

Disclaimer

The following report(s) provides findings from an FDA-initiated query using Sentinel. While Sentinel queries may be undertaken to assess potential medical product safety risks, they may also be initiated for various other reasons. Some examples include determining a rate or count of an identified health outcome of interest, examining medical product use, exploring the feasibility of future, more detailed analyses within Sentinel, and seeking to better understand Sentinel capabilities.

Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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Overview for Request: ocet_ahr_wp001, Report 5 of 6

Request ID: ocet_ahr_wp001_ahr_wp001

Request Description: In this report we examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among three cohorts: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI)¹, pneumonia and influenza (P&I)², and medically attended acute respiratory illness (MAARI)³ in the Sentinel Distributed Database (SDD). This is report 5 of 6. Reports 1-3 identify ILI cohorts only and include data from the Centers for Medicare and Medicaid Services (CMS); the individual reports vary by study period. Reports 4-6 include ILI, P&I, and MAARI cohorts, and do not include CMS as a Data Partner; the individual reports vary by study period.

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 6.0.0, with ad hoc programming.

Data Source: We distributed this request to 14 Sentinel Data Partners (DP) on October 7, 2019. The study period included data from July 1, 2015 through June 30, 2016. Please see Appendix A for a list of dates of available data for each Data Partner.

Study Design: We identified individuals with incident diagnoses of ILI, P&I, or MAARI in the outpatient, ambulatory, or emergency department setting and evaluated the occurrence of outpatient treatment with oseltamivir, zanamivir, or peramivir within five days after diagnosis, among a cohort who were at least six months old. We then looked for eight outcomes from the day after treatment through 30 days after diagnosis. This is a modified Type 2 analysis in the Query Request Package (QRP) documentation.

Cohorts of Interest: We defined the cohort of interest as incident diagnoses of ILI, P&I, or MAARI using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes. All qualifying (index) diagnoses in outpatient, ambulatory, and emergency department settings for each member were included; cohort re-entry was allowed with a washout of 30 days for the event of interest. Please see Appendix B for the specific diagnosis codes used.

Outcomes of Interest: We defined the outcomes of interest as the following: 1) admission to hospital (i.e., inpatient encounter); 2) admission to hospital with discharge status of alive; 3) biphasic positive airway pressure (BiPAP); 4) supplemental oxygen; 5) mechanical ventilation; 6) critical or observational care; 7) extracorporeal membrane oxygenation (ECMO); and 8) death. We assessed all outcomes, with the exception of hospitalizations, in any care setting. Hospitalizations were assessed in the inpatient care setting. Death was defined using information in the death table of the Common Data Model with a confidence of "excellent", or hospitalizations with a discharge status of expired. Please see Appendix C for a list of the ICD-9-CM, ICD-10-CM, International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System (HCPCS), and Revenue codes used to define outcomes in this report.

Cohort Eligibility Criteria: We required members to be enrolled in health plans with medical and drug coverage in the 183 days prior to their index diagnosis in order to be included in the cohort; a gap in coverage of up to 45 days was allowed and treated as continuous enrollment. The following age groups were included in the cohort: 6 months-4 years, 5-17 years, 18-49 years, 50-64 years, and 65+ years. We excluded index diagnoses if there was evidence of influenza treatment with oseltamivir, zanamivir, or peramivir in the ten days prior to the index event. See Appendix D for a list of generic and brand name medical products and Appendix E for HCPCS codes used to define influenza treatment.

Follow-up Time: We created episodes based on the status and timing of treatment with oseltamivir, zanamivir, or peramivir. We looked for treatment on the day of the index diagnosis through the following five days. Treatment status was classified as the day of diagnosis, the day after diagnosis, days 1-5 after diagnosis, and not treated. Only index diagnoses falling in these categories were followed for outcomes, with a maximum follow-up time of 30 days after the index. Follow-up began on the day following treatment, and continued until the first occurrence of any of the following: 1) disenrollment; 2) the end of the data provided by each Data Partner; 3) the end of the query period; or 4) occurrence of the outcome.

We separately report valid index diagnoses with an outcome in the following situations:

- I. Not treated prior to outcome, and outcome occurred on days 0-5;
- II. Treatment and outcome occurred on the same-day, on day 0;
- III. Treatment and outcome occurred on the same-day, on day 1;
- IV. Treatment and outcome occurred on the same-day, on days 1-5;

We excluded index dates in the following situations:

V. Censoring due to disenrollment, DP data ended, or the query period occurred within five days of event index and there was no treatment nor outcome;

VI. Censoring due to disenrollment, DP data ended, or the query period occurred within five days of event index on the same day as treatment

Members from groups 1-4 above were characterized for the outcome that caused the exclusion.

Overview for Request: ocet_ahr_wp001, Report 5 of 6

Baseline Characteristics: We assessed the following characteristics in any care setting within the 183 days prior to and including the index date of the index diagnosis: age, year, sex, health service and drug utilization, asthma, chronic obstructive pulmonary disorder (COPD), diabetes, obesity, and influenza vaccination. We also assessed influenza vaccination on only the date of index diagnosis. We assessed influenza testing on the day of the index diagnosis in addition to seven days prior to and post the diagnosis. Pneumococcal vaccination was assessed on the day of the index diagnosis through the member's prior enrollment history. Please see Appendix F for a list of generic and brand name medical products for the vaccinations. Appendix G contains ICD-9-CM, ICD-10-CM, ICD-10-PCS, CPT-4, and HCPCS used to define the baseline characteristics.

Baseline characteristics of index events were provided for all treatment groups and baseline characteristics of excluded groups 1-4 were provided when the excluding outcome was any hospitalization or death.

Please see Appendices H and I for the specifications of parameters used in the analyses for this request.

Please see Appendix J for a diagram detailing the design of this request.

Limitations: Algorithms to define exposures, outcomes, and treatment are imperfect and may be misclassified. Therefore, data should be interpreted with this limitation in mind. Death data may be incomplete and should be interpreted with caution.

Notes: Please contact the Sentinel Operations Center (info@sentinelssystem.org) for questions and to provide comments/suggestions for future enhancements to this document. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinelssystem.org/projects/SENTINEL/repos/sentinel-routine-querying-tool-documentation/browse>).

¹Eick-Cost et al. Assessment of ICD-9-based Case Definitions for Influenza-like Illness Surveillance. *MSMR* **2015**; 22(9):2-7.

²Matias et al. Estimates of hospitalization attributable to influenza and RSV in the US during 1997–2009, by age and risk status. *BMC Public Health* **2017**; 17(1):271.

³Omer et al. Impact of Statins on Influenza Vaccine Effectiveness Against Medically Attended Acute Respiratory Illness. *JID* **2016**; 213(8):1216-23.

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**Glossary of Terms for Analyses Using
Cohort Identification and Descriptive Analysis (CIDA) Module***

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

Blackout Period - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

Care Setting - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

Ambulatory Visit (AV) - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

Emergency Department (ED) - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

Inpatient Hospital Stay (IP) - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

Non-Acute Institutional Stay (IS) - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

Other Ambulatory Visit (OA) - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

Charlson/Elixhauser Combined Comorbidity Score - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

Code Days - the minimum number of times the diagnosis must be found during the evaluation period in order to fulfill the algorithm to identify the corresponding patient characteristic.

Cohort Definition (drug/exposure) - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

Computed Start Marketing Date - represents the first observed dispensing date among all valid users within a GROUP (scenario) within each Data Partner site.

Days Supplied - number of days supplied for all dispensings in qualifying treatment episodes.

Eligible Members - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

Enrollment Gap - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

Episodes - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

Episode Gap - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

Event Deduplication - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

Exposure Episode Length - number of days after exposure initiation that is considered "exposed time."

Exposure Extension Period - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

Lookback Period - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

Maximum Episode Duration - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Member-Years - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

Minimum Days Supplied - specifies a minimum number of days in length of the days supplied for the episode to be considered.

Minimum Episode Duration - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

Monitoring Period - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

Query Period - period in which the modular program looks for exposures and outcomes of interest.

Switch Evaluation Step Value - value used to differentiate evaluation step. Each switch pattern can support up to 2 evaluation steps (0 = switch pattern evaluation start; 1 = first evaluation; 2 = second evaluation).

Switch Gap Inclusion Indicator - indicator for whether gaps in treatment episodes that are included in a switch episode will be counted as part of the switch episode duration.

Switch Pattern Cohort Inclusion Date - indicates which date to use for inclusion into the switch pattern cohort of interest as well as optionally as the index date of the treatment episode initiating the switch pattern. Valid options are the product approval date, product marketing date, other requester defined date, or computed start marketing date.

Switch Pattern Cohort Inclusion Strategy - indicates how the switch pattern cohort inclusion date will be used: 01: used only as a switch cohort entry date. First treatment episode dispensing date is used as index for computing time to first switch; 02: used as switch cohort entry date and as initial switch step index date for computing time to first switch.

Treatment Episode Truncation Indicator - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

Washout Period (drug/exposure) - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

Washout Period (event/outcome) - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

*all terms may not be used in this report

Table 1a. Aggregated Baseline Table for Influenza-like Illness (ILI) and those Treated Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	206,176	
Number of unique patients	205,118	
Demographics	Mean	Standard Deviation
Mean Age (Years)	30.7	19.3
Age (Years)	Number	Percent
6 Months - 4	21,400	10.4%
5-17	54,191	26.3%
18-49	87,800	42.6%
50-64	32,426	15.7%
65	10,359	5.0%
Sex		
Female	107,707	52.5%
Male	97,403	47.5%
Other	8	0.0%
Year		
2015	21,345	10.4%
2016	184,831	89.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	276	0.1%
Day -7 to Day 7		
Influenza Testing	144,794	70.2%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.3	0.9
	Number	Percent
Influenza vaccination	36,259	17.6%
Asthma	16,635	8.1%
Chronic obstructive pulmonary disease	3,073	1.5%
Diabetes	11,322	5.5%
Obesity	12,364	6.0%
Enrollment History to Day 0		
Pneumococcal vaccination	40,435	19.6%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	5.6	6.7
Mean number of emergency room encounters (ED)	0.3	0.7
Mean number of inpatient hospital encounters (IP)	0	0.2
Mean number of non-acute institutional encounters (IS)	0	0.2
Mean number of other ambulatory encounters (OA)	0.8	2.7
Mean number of unique drug classes	4.5	3.4
Mean number of generics	4.7	3.7
Mean number of filled prescriptions	8	9.5

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1b. Aggregated Baseline Table for Influenza-like Illness (ILI) and those Treated Day after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	13,942	
Number of unique patients	13,929	
Demographics	Mean	Standard Deviation
Mean Age (Years)	31.7	19.4
Age (Years)	Number	Percent
6 Months - 4	1,853	13.3%
5-17	3,325	23.8%
18-49	5,338	38.3%
50-64	1,998	14.3%
65	1,428	10.2%
Sex		
Female	7,552	54.2%
Male	6,376	45.8%
Other	1	0.0%
Year		
2015	1,231	8.8%
2016	12,711	91.2%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	21	0.2%
Day -7 to Day 7		
Influenza Testing	9,789	70.2%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.6	1.3
	Number	Percent
Influenza vaccination	2,255	16.2%
Asthma	1,599	11.5%
Chronic obstructive pulmonary disease	577	4.1%
Diabetes	1,388	10.0%
Obesity	1,283	9.2%
Enrollment History to Day 0		
Pneumococcal vaccination	3,803	27.3%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.1	8.1
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.1	0.4
Mean number of non-acute institutional encounters (IS)	0	0.4
Mean number of other ambulatory encounters (OA)	1.2	4.2
Mean number of unique drug classes	3.8	3.8
Mean number of generics	4.1	4.2
Mean number of filled prescriptions	8.4	11.8

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1c. Aggregated Baseline Table for Influenza-like Illness (ILI) and those Treated 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	18,778	
Number of unique patients	18,758	
Demographics	Mean	Standard Deviation
Mean Age (Years)	35.7	19.9
Age (Years)	Number	Percent
6 Months - 4	2,214	11.8%
5-17	4,021	21.4%
18-49	6,528	34.8%
50-64	3,008	16.0%
65	3,007	16.0%
Sex		
Female	10,247	54.6%
Male	8,510	45.4%
Other	1	0.0%
Year		
2015	1,732	9.2%
2016	17,046	90.8%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	57	0.3%
Day -7 to Day 7		
Influenza Testing	12,312	65.6%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.9	1.7
	Number	Percent
Influenza vaccination	3,325	17.7%
Asthma	2,416	12.9%
Chronic obstructive pulmonary disease	1,550	8.3%
Diabetes	2,584	13.8%
Obesity	2,138	11.4%
Enrollment History to Day 0		
Pneumococcal vaccination	5,293	28.2%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.8	8.6
Mean number of emergency room encounters (ED)	0.9	1.4
Mean number of inpatient hospital encounters (IP)	0.2	0.5
Mean number of non-acute institutional encounters (IS)	0.1	0.6
Mean number of other ambulatory encounters (OA)	1.6	4.9
Mean number of unique drug classes	4.4	4.2
Mean number of generics	4.8	4.7
Mean number of filled prescriptions	10.3	13.4

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1d. Aggregated Baseline Table for Influenza-like Illness (ILI) and NOT Treated 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	201,566	
Number of unique patients	197,469	
Demographics	Mean	Standard Deviation
Mean Age (Years)	32.7	21
Age (Years)	Number	Percent
6 Months - 4	21,564	10.7%
5-17	51,895	25.7%
18-49	75,922	37.7%
50-64	31,512	15.6%
65	20,673	10.3%
Sex		
Female	106,302	53.8%
Male	91,162	46.2%
Other	5	0.0%
Year		
2015	39,607	19.6%
2016	161,959	80.4%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	2,974	1.5%
Day -7 to Day 7		
Influenza Testing	107,228	53.2%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.5	1.4
	Number	Percent
Influenza vaccination	34,989	17.4%
Asthma	17,924	8.9%
Chronic obstructive pulmonary disease	8,454	4.2%
Diabetes	16,592	8.2%
Obesity	14,507	7.2%
Enrollment History to Day 0		
Pneumococcal vaccination	41,284	20.5%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6	7.8
Mean number of emergency room encounters (ED)	0.4	1
Mean number of inpatient hospital encounters (IP)	0.1	0.4
Mean number of non-acute institutional encounters (IS)	0.1	0.5
Mean number of other ambulatory encounters (OA)	1.2	4
Mean number of unique drug classes	3.3	3.7
Mean number of generics	3.6	4.1
Mean number of filled prescriptions	7.1	11

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1e. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those Treated Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	206,594	
Number of unique patients	205,536	
Demographics	Mean	Standard Deviation
Mean Age (Years)	30.8	19.3
Age (Years)	Number	Percent
6 Months - 4	21,292	10.3%
5-17	54,137	26.2%
18-49	88,057	42.6%
50-64	32,629	15.8%
65	10,479	5.1%
Sex		
Female	107,916	52.5%
Male	97,612	47.5%
Other	8	0.0%
Year		
2015	21,487	10.4%
2016	185,107	89.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	277	0.1%
Day -7 to Day 7		
Influenza Testing	144,809	70.1%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.3	0.9
	Number	Percent
Influenza vaccination	36,268	17.6%
Asthma	16,610	8.0%
Chronic obstructive pulmonary disease	3,120	1.5%
Diabetes	11,397	5.5%
Obesity	12,426	6.0%
Enrollment History to Day 0		
Pneumococcal vaccination	40,415	19.6%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	5.6	6.7
Mean number of emergency room encounters (ED)	0.2	0.7
Mean number of inpatient hospital encounters (IP)	0	0.2
Mean number of non-acute institutional encounters (IS)	0	0.2
Mean number of other ambulatory encounters (OA)	0.8	2.6
Mean number of unique drug classes	4.5	3.4
Mean number of generics	4.7	3.7
Mean number of filled prescriptions	8.1	9.6

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1f. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those Treated Day after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	14,132	
Number of unique patients	14,118	
Demographics	Mean	Standard Deviation
Mean Age (Years)	32	19.6
Age (Years)	Number	Percent
6 Months - 4	1,864	13.2%
5-17	3,328	23.5%
18-49	5,393	38.2%
50-64	2,046	14.5%
65	1,501	10.6%
Sex		
Female	7,635	54.1%
Male	6,482	45.9%
Other	1	0.0%
Year		
2015	1,273	9.0%
2016	12,859	91.0%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	25	0.2%
Day -7 to Day 7		
Influenza Testing	9,921	70.2%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.6	1.4
	Number	Percent
Influenza vaccination	2,280	16.1%
Asthma	1,629	11.5%
Chronic obstructive pulmonary disease	587	4.2%
Diabetes	1,433	10.1%
Obesity	1,290	9.1%
Enrollment History to Day 0		
Pneumococcal vaccination	3,846	27.2%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6	8
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.1	0.3
Mean number of non-acute institutional encounters (IS)	0	0.4
Mean number of other ambulatory encounters (OA)	1.2	4.1
Mean number of unique drug classes	3.8	3.8
Mean number of generics	4.1	4.2
Mean number of filled prescriptions	8.4	11.7

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1g. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those Treated 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	19,563	
Number of unique patients	19,540	
Demographics	Mean	Standard Deviation
Mean Age (Years)	36.5	20.1
Age (Years)	Number	Percent
6 Months - 4	2,264	11.6%
5-17	4,071	20.8%
18-49	6,705	34.3%
50-64	3,192	16.3%
65	3,331	17.0%
Sex		
Female	10,651	54.5%
Male	8,888	45.5%
Other	1	0.0%
Year		
2015	1,890	9.7%
2016	17,673	90.3%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	70	0.4%
Day -7 to Day 7		
Influenza Testing	12,689	64.9%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	1	1.7
	Number	Percent
Influenza vaccination	3,464	17.7%
Asthma	2,559	13.1%
Chronic obstructive pulmonary disease	1,685	8.6%
Diabetes	2,786	14.2%
Obesity	2,250	11.5%
Enrollment History to Day 0		
Pneumococcal vaccination	5,533	28.3%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.8	8.6
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.2	0.5
Mean number of non-acute institutional encounters (IS)	0.1	0.6
Mean number of other ambulatory encounters (OA)	1.7	5.1
Mean number of unique drug classes	4.5	4.2
Mean number of generics	4.9	4.7
Mean number of filled prescriptions	10.5	13.5

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1h. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and NOT Treated 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	1,091,495	
Number of unique patients	946,957	
Demographics	Mean	Standard Deviation
Mean Age (Years)	50	23.6
Age (Years)	Number	Percent
6 Months - 4	92,328	8.5%
5-17	155,261	14.2%
18-49	213,659	19.6%
50-64	204,615	18.7%
65	425,632	39.0%
Sex		
Female	494,911	52.3%
Male	451,978	47.7%
Other	68	0.0%
Year		
2015	465,805	42.7%
2016	625,690	57.3%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination-Day 0	10,868	1.0%
Day -7 to Day 7		
Influenza Testing	175,928	16.1%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.2	2.8
	Number	Percent
Influenza vaccination	248,911	22.8%
Asthma	166,096	15.2%
Chronic obstructive pulmonary disease	262,444	24.0%
Diabetes	235,430	21.6%
Obesity	143,427	13.1%
Enrollment History to Day 0		
Pneumococcal vaccination	354,385	32.5%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	10.8	12.5
Mean number of emergency room encounters (ED)	0.7	1.5
Mean number of inpatient hospital encounters (IP)	0.5	0.9
Mean number of non-acute institutional encounters (IS)	0.4	1.3
Mean number of other ambulatory encounters (OA)	3.7	8
Mean number of unique drug classes	6.7	5.2
Mean number of generics	7.2	5.8
Mean number of filled prescriptions	16.3	18.1

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1i. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those Treated Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	194,265	
Number of unique patients	193,340	
Demographics	Mean	Standard Deviation
Mean Age (Years)	32	19.3
Age (Years)	Number	Percent
6 Months - 4	17,469	9.0%
5-17	48,719	25.1%
18-49	84,466	43.5%
50-64	32,504	16.7%
65	11,107	5.7%
Sex		
Female	102,315	52.9%
Male	91,019	47.1%
Other	6	0.0%
Year		
2015	22,693	11.7%
2016	171,572	88.3%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	361	0.2%
Day -7 to Day 7		
Influenza Testing	130,031	66.9%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.3	0.9
	Number	Percent
Influenza vaccination	33,555	17.3%
Asthma	15,389	7.9%
Chronic obstructive pulmonary disease	3,220	1.7%
Diabetes	11,802	6.1%
Obesity	12,348	6.4%
Enrollment History to Day 0		
Pneumococcal vaccination	35,690	18.4%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	5.6	6.8
Mean number of emergency room encounters (ED)	0.2	0.7
Mean number of inpatient hospital encounters (IP)	0	0.2
Mean number of non-acute institutional encounters (IS)	0	0.2
Mean number of other ambulatory encounters (OA)	0.8	2.8
Mean number of unique drug classes	4.5	3.4
Mean number of generics	4.7	3.8
Mean number of filled prescriptions	8.2	9.8

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1j. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those Treated Day after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	16,019	
Number of unique patients	16,008	
Demographics	Mean	Standard Deviation
Mean Age (Years)	31.7	19.5
Age (Years)	Number	Percent
6 Months - 4	1,901	11.9%
5-17	4,004	25.0%
18-49	6,277	39.2%
50-64	2,314	14.4%
65	1,523	9.5%
Sex		
Female	8,798	55.0%
Male	7,209	45.0%
Other	1	0.0%
Year		
2015	1,670	10.4%
2016	14,349	89.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	36	0.2%
Day -7 to Day 7		
Influenza Testing	10,770	67.2%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.6	1.3
	Number	Percent
Influenza vaccination	2,675	16.7%
Asthma	1,782	11.1%
Chronic obstructive pulmonary disease	599	3.7%
Diabetes	1,503	9.4%
Obesity	1,397	8.7%
Enrollment History to Day 0		
Pneumococcal vaccination	4,064	25.4%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.1	7.9
Mean number of emergency room encounters (ED)	0.8	1.2
Mean number of inpatient hospital encounters (IP)	0.1	0.3
Mean number of non-acute institutional encounters (IS)	0	0.4
Mean number of other ambulatory encounters (OA)	1.2	3.9
Mean number of unique drug classes	3.8	3.8
Mean number of generics	4.1	4.2
Mean number of filled prescriptions	8.3	11.7

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1k. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those Treated 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	25,280	
Number of unique patients	25,255	
Demographics	Mean	Standard Deviation
Mean Age (Years)	34	20.2
Age (Years)	Number	Percent
6 Months - 4	2,885	11.4%
5-17	6,084	24.1%
18-49	9,097	36.0%
50-64	3,895	15.4%
65	3,319	13.1%
Sex		
Female	14,009	55.5%
Male	11,245	44.5%
Other	1	0.0%
Year		
2015	2,815	11.1%
2016	22,465	88.9%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	98	0.4%
Day -7 to Day 7		
Influenza Testing	16,168	64.0%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.8	1.5
	Number	Percent
Influenza vaccination	4,706	18.6%
Asthma	3,010	11.9%
Chronic obstructive pulmonary disease	1,614	6.4%
Diabetes	2,910	11.5%
Obesity	2,512	9.9%
Enrollment History to Day 0		
Pneumococcal vaccination	6,584	26.0%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.8	8.4
Mean number of emergency room encounters (ED)	0.7	1.2
Mean number of inpatient hospital encounters (IP)	0.1	0.4
Mean number of non-acute institutional encounters (IS)	0.1	0.5
Mean number of other ambulatory encounters (OA)	1.5	4.4
Mean number of unique drug classes	4.3	4.1
Mean number of generics	4.6	4.6
Mean number of filled prescriptions	9.8	13.1

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1I. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and NOT Treated 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	8,051,860	
Number of unique patients	6,498,214	
Demographics	Mean	Standard Deviation
Mean Age (Years)	31.2	21.6
Age (Years)	Number	Percent
6 Months - 4	1,247,388	15.5%
5-17	2,004,527	24.9%
18-49	2,711,990	33.7%
50-64	1,164,075	14.5%
65	923,880	11.5%
Sex		
Female	3,754,083	57.8%
Male	2,743,921	42.2%
Other	210	0.0%
Year		
2015	3,863,597	48.0%
2016	4,188,263	52.0%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	123,667	1.5%
Day -7 to Day 7		
Influenza Testing	576,895	7.2%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.4	1.2
	Number	Percent
Influenza vaccination	1,683,024	20.9%
Asthma	737,732	9.2%
Chronic obstructive pulmonary disease	291,384	3.6%
Diabetes	619,901	7.7%
Obesity	594,095	7.4%
Enrollment History to Day 0		
Pneumococcal vaccination	2,060,651	25.6%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.4	7.6
Mean number of emergency room encounters (ED)	0.3	0.9
Mean number of inpatient hospital encounters (IP)	0	0.3
Mean number of non-acute institutional encounters (IS)	0	0.4
Mean number of other ambulatory encounters (OA)	1.1	3.6
Mean number of unique drug classes	3.8	3.7
Mean number of generics	4.1	4.1
Mean number of filled prescriptions	8	11

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1m. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Hospitalization before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	6,767	
Number of unique patients	6,751	
Demographics	Mean	Standard Deviation
Mean Age (Years)	60.9	18.8
Age (Years)	Number	Percent
6 Months - 4	252	3.7%
5-17	281	4.2%
18-49	1,038	15.3%
50-64	1,703	25.2%
65	3,493	51.6%
Sex		
Female	3,653	54.1%
Male	3,098	45.9%
Other	0	0.0%
Year		
2015	1,298	19.2%
2016	5,469	80.8%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	47	0.7%
Day -7 to Day 7		
Influenza Testing	1,647	24.3%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	3.5	3
	Number	Percent
Influenza vaccination	1,841	27.2%
Asthma	1,238	18.3%
Chronic obstructive pulmonary disease	2,413	35.7%
Diabetes	2,461	36.4%
Obesity	1,579	23.3%
Enrollment History to Day 0		
Pneumococcal vaccination	2,202	32.5%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	12.8	13.3
Mean number of emergency room encounters (ED)	1	1.6
Mean number of inpatient hospital encounters (IP)	1.1	1
Mean number of non-acute institutional encounters (IS)	0.5	1.7
Mean number of other ambulatory encounters (OA)	4.7	10
Mean number of unique drug classes	8	5.7
Mean number of generics	8.7	6.4
Mean number of filled prescriptions	21.5	21.1

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1n. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Death before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	166	
Number of unique patients	166	
Demographics	Mean	Standard Deviation
Mean Age (Years)	73.5	13.5
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	1	0.6%
18-49	12	7.2%
50-64	21	12.7%
65	132	79.5%
Sex		
Female	75	45.2%
Male	91	54.8%
Other	0	0.0%
Year		
2015	50	30.1%
2016	116	69.9%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination-Day 0	0	0.0%
Day -7 to Day 7		
Influenza Testing	30	18.1%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	6.2	3.8
	Number	Percent
Influenza vaccination	42	25.3%
Asthma	9	5.4%
Chronic obstructive pulmonary disease	64	38.6%
Diabetes	89	53.6%
Obesity	38	22.9%
Enrollment History to Day 0		
Pneumococcal vaccination	53	31.9%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	20.1	17.6
Mean number of emergency room encounters (ED)	1.1	1.7
Mean number of inpatient hospital encounters (IP)	1.5	1.1
Mean number of non-acute institutional encounters (IS)	1.1	2.7
Mean number of other ambulatory encounters (OA)	6.1	9.3
Mean number of unique drug classes	8.5	6.3
Mean number of generics	9.3	7.2
Mean number of filled prescriptions	22.4	24.4

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1o. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Same-Day Hospitalization and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	77	
Number of unique patients	77	
Demographics	Mean	Standard Deviation
Mean Age (Years)	53.8	21.6
Age (Years)	Number	Percent
6 Months - 4	6	7.8%
5-17	1	1.3%
18-49	19	24.7%
50-64	23	29.9%
65	28	36.4%
Sex		
Female	46	59.7%
Male	31	40.3%
Other	0	0.0%
Year		
2015	18	23.4%
2016	59	76.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	36	46.8%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.2	2.3
	Number	Percent
Influenza vaccination	22	28.6%
Asthma	22	28.6%
Chronic obstructive pulmonary disease	20	26.0%
Diabetes	27	35.1%
Obesity	22	28.6%
Enrollment History to Day 0		
Pneumococcal vaccination	24	31.2%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	11.3	10.5
Mean number of emergency room encounters (ED)	0.7	0.5
Mean number of inpatient hospital encounters (IP)	1.2	0.5
Mean number of non-acute institutional encounters (IS)	0.3	1.3
Mean number of other ambulatory encounters (OA)	3.4	5.2
Mean number of unique drug classes	9.1	7.3
Mean number of generics	9.7	8.3
Mean number of filled prescriptions	21.5	24.3

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1p. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Same-Day Death and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	-	
Number of unique patients	-	
Demographics	Mean	Standard Deviation
Mean Age (Years)	-	-
Age (Years)	Number	Percent
6 Months - 4	-	-
5-17	-	-
18-49	-	-
50-64	-	-
65	-	-
Sex		
Female	-	-
Male	-	-
Other	-	-
Year		
2015	-	-
2016	-	-
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	-	-
Day -7 to Day 7		
Influenza Testing	-	-
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	-	-
	Number	Percent
Influenza vaccination	-	-
Asthma	-	-
Chronic obstructive pulmonary disease	-	-
Diabetes	-	-
Obesity	-	-
Enrollment History to Day 0		
Pneumococcal vaccination	-	-
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	-	-
Mean number of emergency room encounters (ED)	-	-
Mean number of inpatient hospital encounters (IP)	-	-
Mean number of non-acute institutional encounters (IS)	-	-
Mean number of other ambulatory encounters (OA)	-	-
Mean number of unique drug classes	-	-
Mean number of generics	-	-
Mean number of filled prescriptions	-	-

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1q. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Same-Day Hospitalization and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	66	
Number of unique patients	66	
Demographics	Mean	Standard Deviation
Mean Age (Years)	48.5	22.5
Age (Years)	Number	Percent
6 Months - 4	8	12.1%
5-17	4	6.1%
18-49	19	28.8%
50-64	11	16.7%
65	24	36.4%
Sex		
Female	34	51.5%
Male	32	48.5%
Other	0	0.0%
Year		
2015	11	16.7%
2016	55	83.3%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	46	69.7%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	1.3	1.6
	Number	Percent
Influenza vaccination	19	28.8%
Asthma	12	18.2%
Chronic obstructive pulmonary disease	9	13.6%
Diabetes	12	18.2%
Obesity	10	15.2%
Enrollment History to Day 0		
Pneumococcal vaccination	16	24.2%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	9.1	8.8
Mean number of emergency room encounters (ED)	1.2	1.4
Mean number of inpatient hospital encounters (IP)	0.2	0.6
Mean number of non-acute institutional encounters (IS)	0.1	0.2
Mean number of other ambulatory encounters (OA)	4.2	9.6
Mean number of unique drug classes	6	4.5
Mean number of generics	6.6	5
Mean number of filled prescriptions	13	11.8

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1r. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Same-Day Death and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SSD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	1	
Number of unique patients	1	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.4	0
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	0	0.0%
18-49	0	0.0%
50-64	0	0.0%
65	1	100.0%
Sex		
Female	0	0.0%
Male	1	100.0%
Other	0	0.0%
Year		
2015	0	0.0%
2016	1	100.0%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	1	100.0%
Day -7 to Day 7		
Influenza Testing	1	100.0%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	6	0
	Number	Percent
Influenza vaccination	1	100.0%
Asthma	0	0.0%
Chronic obstructive pulmonary disease	1	100.0%
Diabetes	1	100.0%
Obesity	0	0.0%
Enrollment History to Day 0		
Pneumococcal vaccination	1	100.0%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	7	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	12	0
Mean number of unique drug classes	7	0
Mean number of generics	7	0
Mean number of filled prescriptions	9	0

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1s. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Hospitalization before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	180,383	
Number of unique patients	168,995	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.9	15.9
Age (Years)	Number	Percent
6 Months - 4	2,835	1.6%
5-17	2,322	1.3%
18-49	12,734	7.1%
50-64	34,332	19.0%
65	128,160	71.0%
Sex		
Female	84,293	49.9%
Male	84,675	50.1%
Other	27	0.0%
Year		
2015	84,465	46.8%
2016	95,918	53.2%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	1,493	0.8%
Day -7 to Day 7		
Influenza Testing	12,252	6.8%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	4.9	3.4
	Number	Percent
Influenza vaccination	46,921	26.0%
Asthma	30,371	16.8%
Chronic obstructive pulmonary disease	88,894	49.3%
Diabetes	72,845	40.4%
Obesity	39,056	21.7%
Enrollment History to Day 0		
Pneumococcal vaccination	69,255	38.4%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	16.1	15.2
Mean number of emergency room encounters (ED)	1.1	1.9
Mean number of inpatient hospital encounters (IP)	1.4	1.2
Mean number of non-acute institutional encounters (IS)	0.8	2
Mean number of other ambulatory encounters (OA)	6.3	9.8
Mean number of unique drug classes	9.5	5.9
Mean number of generics	10.3	6.7
Mean number of filled prescriptions	25.9	22.2

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1t. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Death before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	10,262	
Number of unique patients	10,262	
Demographics	Mean	Standard Deviation
Mean Age	77.2	11.6
Age (Years)	Number	Percent
6 Months - 4	1	0.0%
5-17	10	0.1%
18-49	228	2.2%
50-64	1,193	11.6%
65	8,830	86.0%
Sex		
Female	4,609	44.9%
Male	5,645	55.0%
Other	8	0.1%
Year		
2015	5,094	49.6%
2016	5,168	50.4%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	25	0.2%
Day -7 to Day 7		
Influenza Testing	293	2.9%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	6.9	3.5
	Number	Percent
Influenza vaccination	2,433	23.7%
Asthma	1,015	9.9%
Chronic obstructive pulmonary disease	4,747	46.3%
Diabetes	4,269	41.6%
Obesity	1,610	15.7%
Enrollment History to Day 0		
Pneumococcal vaccination	3,893	37.9%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	20.8	17.5
Mean number of emergency room encounters (ED)	1.1	1.8
Mean number of inpatient hospital encounters (IP)	1.6	1.3
Mean number of non-acute institutional encounters (IS)	1.3	2.4
Mean number of other ambulatory encounters (OA)	7.7	9.5
Mean number of unique drug classes	9.6	5.8
Mean number of generics	10.3	6.6
Mean number of filled prescriptions	25.4	21.4

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1u. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Same-Day Hospitalization and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	94	
Number of unique patients	94	
Demographics	Mean	Standard Deviation
Mean Age (Years)	55.9	21
Age (Years)	Number	Percent
6 Months - 4	7	7.4%
5-17	1	1.1%
18-49	20	21.3%
50-64	27	28.7%
65	39	41.5%
Sex		
Female	53	56.4%
Male	41	43.6%
Other	0	0.0%
Year		
2015	20	21.3%
2016	74	78.7%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	42	44.7%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.4	2.4
	Number	Percent
Influenza vaccination	25	26.6%
Asthma	24	25.5%
Chronic obstructive pulmonary disease	26	27.7%
Diabetes	30	31.9%
Obesity	23	24.5%
Enrollment History to Day 0		
Pneumococcal vaccination	27	28.7%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	11.4	9.6
Mean number of emergency room encounters (ED)	0.7	0.6
Mean number of inpatient hospital encounters (IP)	1.2	0.5
Mean number of non-acute institutional encounters (IS)	0.3	1.2
Mean number of other ambulatory encounters (OA)	3.7	5.6
Mean number of unique drug classes	9	6.5
Mean number of generics	9.6	7.4
Mean number of filled prescriptions	24	28.6

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1v. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Same-Day Death and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	-	
Number of unique patients	-	
Demographics	Mean	Standard Deviation
Mean Age (Years)	-	-
Age (Years)	Number	Percent
6 Months - 4	-	-
5-17	-	-
18-49	-	-
50-64	-	-
65	-	-
Sex		
Female	-	-
Male	-	-
Other	-	-
Year		
2015	-	-
2016	-	-
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	-	-
Day -7 to Day 7		
Influenza Testing	-	-
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	-	-
	Number	Percent
Influenza vaccination	-	-
Asthma	-	-
Chronic obstructive pulmonary disease	-	-
Diabetes	-	-
Obesity	-	-
Enrollment History to Day 0		
Pneumococcal vaccination	-	-
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	-	-
Mean number of emergency room encounters (ED)	-	-
Mean number of inpatient hospital encounters (IP)	-	-
Mean number of non-acute institutional encounters (IS)	-	-
Mean number of other ambulatory encounters (OA)	-	-
Mean number of unique drug classes	-	-
Mean number of generics	-	-
Mean number of filled prescriptions	-	-

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1w. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Same-Day Hospitalization and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	74	
Number of unique patients	74	
Demographics	Mean	Standard Deviation
Mean Age (Years)	49.3	22.3
Age (Years)	Number	Percent
6 Months - 4	8	10.8%
5-17	4	5.4%
18-49	22	29.7%
50-64	13	17.6%
65	27	36.5%
Sex		
Female	38	51.4%
Male	36	48.6%
Other	0	0.0%
Year		
2015	13	17.6%
2016	61	82.4%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	52	70.3%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	1.6	1.7
	Number	Percent
Influenza vaccination	21	28.4%
Asthma	15	20.3%
Chronic obstructive pulmonary disease	10	13.5%
Diabetes	13	17.6%
Obesity	10	13.5%
Enrollment History to Day 0		
Pneumococcal vaccination	20	27.0%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	9.6	9.1
Mean number of emergency room encounters (ED)	1.1	1.4
Mean number of inpatient hospital encounters (IP)	0.2	0.7
Mean number of non-acute institutional encounters (IS)	0.1	0.2
Mean number of other ambulatory encounters (OA)	4.1	9.1
Mean number of unique drug classes	6.2	4.6
Mean number of generics	6.8	5.2
Mean number of filled prescriptions	13.9	12.7

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1x. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Same-Day Death and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	1	
Number of unique patients	1	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.4	0
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	0	0.0%
18-49	0	0.0%
50-64	0	0.0%
65	1	100.0%
Sex		
Female	0	0.0%
Male	1	100.0%
Other	0	0.0%
Year		
2015	0	0.0%
2016	1	100.0%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	1	100.0%
Day -7 to Day 7		
Influenza Testing	1	100.0%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	6	0
	Number	Percent
Influenza vaccination	1	100.0%
Asthma	0	0.0%
Chronic obstructive pulmonary disease	1	100.0%
Diabetes	1	100.0%
Obesity	0	0.0%
Enrollment History to Day 0		
Pneumococcal vaccination	1	100.0%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	7	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	12	0
Mean number of unique drug classes	7	0
Mean number of generics	7	0
Mean number of filled prescriptions	9	0

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1y. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Hospitalization before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	48,111	
Number of unique patients	47,487	
Demographics	Mean	Standard Deviation
Mean Age (Years)	55.8	21.5
Age (Years)	Number	Percent
6 Months - 4	3,527	7.3%
5-17	3,181	6.6%
18-49	8,906	18.5%
50-64	9,988	20.8%
65	22,509	46.8%
Sex		
Female	26,668	56.2%
Male	20,816	43.8%
Other	3	0.0%
Year		
2015	21,209	44.1%
2016	26,902	55.9%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	337	0.7%
Day -7 to Day 7		
Influenza Testing	6,344	13.2%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	3	2.9
	Number	Percent
Influenza vaccination	12,375	25.7%
Asthma	9,686	20.1%
Chronic obstructive pulmonary disease	14,956	31.1%
Diabetes	14,775	30.7%
Obesity	9,833	20.4%
Enrollment History to Day 0		
Pneumococcal vaccination	16,417	34.1%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	13.3	13.9
Mean number of emergency room encounters (ED)	1.1	2.1
Mean number of inpatient hospital encounters (IP)	0.9	1.2
Mean number of non-acute institutional encounters (IS)	0.5	1.5
Mean number of other ambulatory encounters (OA)	4.8	10.3
Mean number of unique drug classes	8	5.7
Mean number of generics	8.7	6.4
Mean number of filled prescriptions	20.6	19.7

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1z. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Death before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	1,072	
Number of unique patients	1,072	
Demographics	Mean	Standard Deviation
Mean Age (Years)	73.7	14.1
Age (Years)	Number	Percent
6 Months - 4	5	0.5%
5-17	11	1.0%
18-49	49	4.6%
50-64	141	13.2%
65	866	80.8%
Sex		
Female	515	48.0%
Male	557	52.0%
Other	0	0.0%
Year		
2015	478	44.6%
2016	594	55.4%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	2	0.2%
Day -7 to Day 7		
Influenza Testing	70	6.5%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	5.7	3.8
	Number	Percent
Influenza vaccination	250	23.3%
Asthma	103	9.6%
Chronic obstructive pulmonary disease	450	42.0%
Diabetes	467	43.6%
Obesity	195	18.2%
Enrollment History to Day 0		
Pneumococcal vaccination	436	40.7%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	21.2	18.8
Mean number of emergency room encounters (ED)	0.9	1.4
Mean number of inpatient hospital encounters (IP)	1.2	1.2
Mean number of non-acute institutional encounters (IS)	1.2	2.4
Mean number of other ambulatory encounters (OA)	7.4	10.5
Mean number of unique drug classes	9.9	5.9
Mean number of generics	10.7	6.7
Mean number of filled prescriptions	26.6	23.2

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1aa. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Same-Day Hospitalization and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	74	
Number of unique patients	74	
Demographics	Mean	Standard Deviation
Mean Age (Years)	56	21.1
Age (Years)	Number	Percent
6 Months - 4	5	6.8%
5-17	0	0.0%
18-49	16	21.6%
50-64	23	31.1%
65	30	40.5%
Sex		
Female	47	63.5%
Male	27	36.5%
Other	0	0.0%
Year		
2015	19	25.7%
2016	55	74.3%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	2	2.7%
Day -7 to Day 7		
Influenza Testing	38	51.4%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.1	2.4
	Number	Percent
Influenza vaccination	22	29.7%
Asthma	22	29.7%
Chronic obstructive pulmonary disease	24	32.4%
Diabetes	24	32.4%
Obesity	23	31.1%
Enrollment History to Day 0		
Pneumococcal vaccination	24	32.4%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	10.6	9.3
Mean number of emergency room encounters (ED)	0.6	0.7
Mean number of inpatient hospital encounters (IP)	1.2	0.4
Mean number of non-acute institutional encounters (IS)	0.4	1.3
Mean number of other ambulatory encounters (OA)	3.2	3.9
Mean number of unique drug classes	9.5	7.1
Mean number of generics	10.3	8.1
Mean number of filled prescriptions	23.4	28.2

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1ab. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Same-Day Death and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	2	
Number of unique patients	2	
Demographics	Mean	Standard Deviation
Mean Age (Years)	42.5	0
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	0	0.0%
18-49	2	100.0%
50-64	0	0.0%
65	0	0.0%
Sex		
Female	0	0.0%
Male	2	100.0%
Other	0	0.0%
Year		
2015	0	0.0%
2016	2	100.0%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	2	100.0%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0	0
	Number	Percent
Influenza vaccination	0	0.0%
Asthma	0	0.0%
Chronic obstructive pulmonary disease	0	0.0%
Diabetes	0	0.0%
Obesity	0	0.0%
Enrollment History to Day 0		
Pneumococcal vaccination	0	0.0%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	3	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	1	0
Mean number of unique drug classes	17	0
Mean number of generics	19	0
Mean number of filled prescriptions	34	0

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1ac. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Same-Day Hospitalization and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	67	
Number of unique patients	67	
Demographics	Mean	Standard Deviation
Mean Age (Years)	49.2	21.3
Age (Years)	Number	Percent
6 Months - 4	8	11.9%
5-17	4	6.0%
18-49	20	29.9%
50-64	11	16.4%
65	24	35.8%
Sex		
Female	35	52.2%
Male	32	47.8%
Other	0	0.0%
Year		
2015	10	14.9%
2016	57	85.1%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	44	65.7%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	1.5	1.9
	Number	Percent
Influenza vaccination	21	31.3%
Asthma	12	17.9%
Chronic obstructive pulmonary disease	9	13.4%
Diabetes	15	22.4%
Obesity	12	17.9%
Enrollment History to Day 0		
Pneumococcal vaccination	15	22.4%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	9.3	8.9
Mean number of emergency room encounters (ED)	1	1.3
Mean number of inpatient hospital encounters (IP)	0.2	0.7
Mean number of non-acute institutional encounters (IS)	0	0.2
Mean number of other ambulatory encounters (OA)	4.1	9.6
Mean number of unique drug classes	6.6	5.4
Mean number of generics	7.1	5.7
Mean number of filled prescriptions	14.8	13.6

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 1ad. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Same-Day Death and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2015 and June 2016

Characteristic¹	Number	
Number of episodes	1	
Number of unique patients	1	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.4	0
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	0	0.0%
18-49	0	0.0%
50-64	0	0.0%
65	1	100.0%
Sex		
Female	0	0.0%
Male	1	100.0%
Other	0	0.0%
Year		
2015	0	0.0%
2016	1	100.0%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	1	100.0%
Day -7 to Day 7		
Influenza Testing	1	100.0%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	6	0
	Number	Percent
Influenza vaccination	1	100.0%
Asthma	0	0.0%
Chronic obstructive pulmonary disease	1	100.0%
Diabetes	1	100.0%
Obesity	0	0.0%
Enrollment History to Day 0		
Pneumococcal vaccination	1	100.0%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	7	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	12	0
Mean number of unique drug classes	7	0
Mean number of generics	7	0
Mean number of filled prescriptions	9	0

¹All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI					
Total	420,413	49,249,524	428,019	0.0	0.54
Treated on Day of Diagnosis	205,118		206,176	16,197.1	1.01
Treated Day After Diagnosis	13,929		13,942	1,057.9	1.00
Treated 1-5 Days After Diagnosis	18,758		18,778	1,402.3	1.00
NOT Treated Within 5 Days of Diagnosis	197,469		201,566	13,053.3	0.00
P and I					
Total	1,178,237	49,247,124	1,335,528	0.0	0.19
Treated on Day of Diagnosis	205,536		206,594	16,229.6	1.01
Treated Day After Diagnosis	14,118		14,132	1,072.2	1.00
Treated 1-5 Days After Diagnosis	19,540		19,563	1,458.1	1.00
NOT Treated Within 5 Days of Diagnosis	946,957		1,091,495	69,014.4	0.00
MAARI					
Total	6,735,144	49,242,483	8,383,029	0.0	0.03
Treated on Day of Diagnosis	193,340		194,265	15,253.7	1.01
Treated Day After Diagnosis	16,008		16,019	1,215.5	1.00
Treated 1-5 Days After Diagnosis	25,255		25,280	1,871.9	1.00
NOT Treated Within 5 Days of Diagnosis	6,498,214		8,051,860	513,568.2	0.00
ILI - Treated Day of Diagnosis					
Hospitalization	205,041		206,099	16,096.1	1.01
Bilevel Positive Airway Pressure (BiPAP)	205,104		206,161	16,170.3	1.01
Supplemental oxygen	201,174		202,189	15,767.8	1.01
Mechanical ventilation	205,116		206,174	16,191.8	1.01
Critical Care	204,987		206,045	16,116.5	1.01
Extracorporeal membrane oxygenation (ECMO)	205,118		206,176	16,196.9	1.01
Death	205,118		206,176	16,196.2	1.01
Discharge from hospital alive	205,047		206,105	16,105.7	1.01

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI - Treated Day After Diagnosis					
Hospitalization	13,750		13,762	1,031.9	1.00
BiPAP	13,923		13,936	1,055.4	1.00
Supplemental oxygen	13,073		13,086	982.8	1.00
Mechanical ventilation	13,925		13,938	1,056.8	1.00
Critical Care	13,664		13,676	1,030.2	1.00
ECMO	13,928		13,941	1,057.9	1.00
Death	13,929		13,942	1,057.8	1.00
Discharge from hospital alive	13,771		13,783	1,035.5	1.00
ILI - Treated 1-5 Days After Diagnosis					
Hospitalization	16,923		16,940	1,255.5	1.00
BiPAP	18,749		18,769	1,398.1	1.00
Supplemental oxygen	17,295		17,313	1,277.5	1.00
Mechanical ventilation	18,701		18,721	1,396.8	1.00
Critical Care	16,960		16,977	1,262.3	1.00
ECMO	18,757		18,777	1,402.3	1.00
Death	18,757		18,777	1,401.8	1.00
Discharge from hospital alive	17,082		17,099	1,269.0	1.00
ILI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization	192,708		196,622	12,677.7	0.00
BiPAP	197,335		201,426	13,026.0	0.00
Supplemental oxygen	190,628		194,496	12,540.2	0.00
Mechanical ventilation	196,919		200,975	13,012.6	0.00
Critical Care	192,525		196,413	12,682.9	0.00
ECMO	197,443		201,536	13,051.3	0.00
Death	197,336		201,429	13,036.6	0.00
Discharge from hospital alive	193,266		197,194	12,718.7	0.00

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization	6,751		6,767		
BiPAP	147		147		
Supplemental oxygen	8,443		8,482		
Mechanical ventilation	652		652		
Critical Care	6,920		6,955		
ECMO	30		30		
Death	166		166		
Discharge from hospital alive	6,029		6,041		
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization	77		77		
BiPAP	15		15		
Supplemental oxygen	3,987		3,990		
Mechanical ventilation	2		2		
Critical Care	131		131		
ECMO	0		0		
Death	0		0		
Discharge from hospital alive	71		71		
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization	66		66		
BiPAP	3		3		
Supplemental oxygen	97		97		
Mechanical ventilation	3		3		
Critical Care	74		74		
ECMO	1		1		
Death	1		1		
Discharge from hospital alive	50		50		

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
P and I - Treated Day of Diagnosis					
Hospitalization	205,442		206,500	16,125.0	1.01
BiPAP	205,522		206,579	16,202.6	1.01
Supplemental oxygen	201,535		202,548	15,793.8	1.01
Mechanical ventilation	205,528		206,586	16,223.5	1.01
Critical Care	205,393		206,451	16,146.4	1.01
ECMO	205,536		206,594	16,229.3	1.01
Death	205,536		206,594	16,228.4	1.01
Discharge from hospital alive	205,450		206,508	16,135.0	1.01
P and I - Treated After Day of Diagnosis					
Hospitalization	13,920		13,933	1,045.3	1.00
BiPAP	14,112		14,126	1,069.6	1.00
Supplemental oxygen	13,230		13,244	994.6	1.00
Mechanical ventilation	14,114		14,128	1,071.3	1.00
Critical Care	13,858		13,871	1,045.3	1.00
ECMO	14,117		14,131	1,072.2	1.00
Death	14,118		14,132	1,072.1	1.00
Discharge from hospital alive	13,942		13,955	1,049.1	1.00
P and I - Treated 1-5 Days After Diagnosis					
Hospitalization	17,290		17,308	1,282.4	1.00
BiPAP	19,530		19,553	1,453.5	1.00
Supplemental oxygen	17,950		17,971	1,323.2	1.00
Mechanical ventilation	19,471		19,494	1,451.9	1.00
Critical Care	17,501		17,519	1,301.6	1.00
ECMO	19,539		19,562	1,458.1	1.00
Death	19,539		19,562	1,457.6	1.00
Discharge from hospital alive	17,472		17,490	1,297.4	1.00

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
P and I - NOT Treated 0-5 Days After Diagnosis					
Hospitalization	814,089		916,908	57,017.3	0.00
BiPAP	945,522		1,088,998	68,618.4	0.00
Supplemental oxygen	856,731		980,349	60,979.6	0.00
Mechanical ventilation	928,753		1,066,949	67,358.7	0.00
Critical Care	806,866		910,230	56,897.8	0.00
ECMO	946,857		1,091,362	69,005.2	0.00
Death	939,278		1,082,660	68,098.5	0.00
Discharge from hospital alive	834,302		941,283	58,515.9	0.00
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization	168,995		180,383		
BiPAP	2,242		2,544		
Supplemental oxygen	110,679		114,286		
Mechanical ventilation	24,727		25,468		
Critical Care	174,203		187,409		
ECMO	138		139		
Death	10,262		10,262		
Discharge from hospital alive	145,895		154,743		
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization	94		94		
BiPAP	15		15		
Supplemental oxygen	4,046		4,049		
Mechanical ventilation	8		8		
Critical Care	143		143		
ECMO	0		0		
Death	0		0		
Discharge from hospital alive	86		86		

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization	74		74		
BiPAP	3		3		
Supplemental oxygen	111		111		
Mechanical ventilation	4		4		
Critical Care	73		73		
ECMO	1		1		
Death	1		1		
Discharge from hospital alive	57		57		
MAARI - Treated Day of Diagnosis					
Hospitalization	193,266		194,191	15,155.0	1.01
BiPAP	193,328		194,252	15,226.7	1.01
Supplemental oxygen	189,678		190,570	14,854.9	1.01
Mechanical ventilation	193,338		194,263	15,247.9	1.01
Critical Care	193,228		194,153	15,174.9	1.01
ECMO	193,340		194,265	15,253.5	1.01
Death	193,338		194,263	15,252.4	1.01
Discharge from hospital alive	193,270		194,195	15,163.5	1.01
MAARI - Treated After Day of Diagnosis					
Hospitalization	15,848		15,858	1,190.8	1.00
BiPAP	16,000		16,011	1,212.8	1.00
Supplemental oxygen	15,142		15,152	1,139.1	1.00
Mechanical ventilation	16,002		16,013	1,214.7	1.00
Critical Care	15,769		15,779	1,190.0	1.00
ECMO	16,007		16,018	1,215.5	1.00
Death	16,008		16,019	1,215.4	1.00
Discharge from hospital alive	15,866		15,876	1,194.1	1.00

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
MAARI - Treated 1-5 Days After Diagnosis					
Hospitalization	23,531		23,555	1,730.5	1.00
BiPAP	25,244		25,269	1,866.5	1.00
Supplemental oxygen	23,564		23,586	1,728.5	1.00
Mechanical ventilation	25,198		25,223	1,866.8	1.00
Critical Care	23,597		23,621	1,740.7	1.00
ECMO	25,254		25,279	1,871.9	1.00
Death	25,254		25,279	1,871.4	1.00
Discharge from hospital alive	23,685		23,709	1,743.8	1.00
MAARI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization	6,464,368		8,005,951	508,859.8	0.00
BiPAP	6,493,646		8,045,205	512,430.0	0.00
Supplemental oxygen	6,369,387		7,861,359	499,610.6	0.00
Mechanical ventilation	6,495,679		8,048,495	513,257.9	0.00
Critical Care	6,464,994		8,007,814	509,526.0	0.00
ECMO	6,498,171		8,051,809	513,564.1	0.00
Death	6,497,429		8,050,960	513,448.4	0.00
Discharge from hospital alive	6,468,016		8,010,856	509,350.1	0.00
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization	47,487		48,111		
BiPAP	6,490		6,744		
Supplemental oxygen	188,474		194,211		
Mechanical ventilation	3,467		3,504		
Critical Care	45,472		46,241		
ECMO	51		51		
Death	1,072		1,072		
Discharge from hospital alive	42,449		42,939		

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization	74		74		
BiPAP	13		13		
Supplemental oxygen	3,698		3,700		
Mechanical ventilation	2		2		
Critical Care	112		112		
ECMO	0		0		
Death	2		2		
Discharge from hospital alive	70		70		
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization	67		67		
BiPAP	3		3		
Supplemental oxygen	248		248		
Mechanical ventilation	5		5		
Critical Care	82		82		
ECMO	1		1		
Death	1		1		
Discharge from hospital alive	51		51		

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period
Data are not presented in shaded cells due to their inability to be calculated

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI						
Total	2.82	5.27				
Treated on Day of Diagnosis	5.32	5.29				
Treated Day After Diagnosis	5.30	5.29				
Treated 1-5 Days After Diagnosis	5.07	5.06				
NOT Treated Within 5 Days of Diagnosis	0.00					
P and I						
Total	1.01	5.27				
Treated on Day of Diagnosis	5.32	5.29				
Treated Day After Diagnosis	5.30	5.30				
Treated 1-5 Days After Diagnosis	5.06	5.05				
NOT Treated Within 5 Days of Diagnosis	0.00					
MAARI						
Total	0.17	5.30				
Treated on Day of Diagnosis	5.33	5.31				
Treated Day After Diagnosis	5.36	5.36				
Treated 1-5 Days After Diagnosis	5.26	5.25				
NOT Treated Within 5 Days of Diagnosis	0.00					
ILI - Treated Day of Diagnosis						
Hospitalization	5.32	5.29	1,787	8.67	111.02	
Bilevel Positive Airway Pressure (BiPAP)	5.32	5.29	652	3.16	40.32	
Supplemental oxygen	5.32	5.29	2,112	10.45	133.94	
Mechanical ventilation	5.32	5.29	86	0.42	5.31	
Critical Care	5.32	5.29	1,296	6.29	80.41	
Extracorporeal membrane oxygenation (ECMO)	5.32	5.29	3	0.01	0.19	
Death	5.32	5.29	33	0.16	2.04	
Discharge from hospital alive	5.32	5.29	1,592	7.72	98.85	

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI - Treated Day After Diagnosis						
Hospitalization	5.30	5.29	247	17.95	239.36	
BiPAP	5.30	5.29	63	4.52	59.69	
Supplemental oxygen	5.31	5.31	185	14.14	188.24	
Mechanical ventilation	5.30	5.29	14	1.00	13.25	
Critical Care	5.31	5.30	153	11.19	148.51	
ECMO	5.30	5.29	0	0.00	0.00	
Death	5.30	5.29	8	0.57	7.56	
Discharge from hospital alive	5.30	5.29	201	14.58	194.11	
ILI - Treated 1-5 Days After Diagnosis						
Hospitalization	5.23	5.22	336	19.83	267.62	
BiPAP	5.07	5.06	110	5.86	78.68	
Supplemental oxygen	5.10	5.09	318	18.37	248.92	
Mechanical ventilation	5.07	5.06	29	1.55	20.76	
Critical Care	5.21	5.20	246	14.49	194.88	
ECMO	5.07	5.06	0	0.00	0.00	
Death	5.07	5.06	20	1.07	14.27	
Discharge from hospital alive	5.21	5.20	287	16.78	226.16	
ILI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization	0.00		1,630	8.29	128.57	
BiPAP	0.00		569	2.82	43.68	
Supplemental oxygen	0.00		1,421	7.31	113.32	
Mechanical ventilation	0.00		155	0.77	11.91	
Critical Care	0.00		1,148	5.84	90.52	
ECMO	0.00		4	0.02	0.31	
Death	0.00		388	1.93	29.76	
Discharge from hospital alive	0.00		1,449	7.35	113.93	

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
P and I - Treated Day of Diagnosis						
Hospitalization	5.32	5.29	1,821	8.82	112.93	
BiPAP	5.32	5.29	660	3.19	40.73	
Supplemental oxygen	5.32	5.29	2,143	10.58	135.69	
Mechanical ventilation	5.32	5.29	92	0.45	5.67	
Critical Care	5.32	5.29	1,322	6.40	81.88	
ECMO	5.32	5.29	3	0.01	0.18	
Death	5.32	5.29	40	0.19	2.46	
Discharge from hospital alive	5.32	5.29	1,623	7.86	100.59	
P and I - Treated After Day of Diagnosis						
Hospitalization	5.31	5.30	239	17.15	228.64	
BiPAP	5.30	5.30	67	4.74	62.64	
Supplemental oxygen	5.32	5.31	187	14.12	188.02	
Mechanical ventilation	5.30	5.30	13	0.92	12.13	
Critical Care	5.31	5.30	146	10.53	139.67	
ECMO	5.30	5.30	0	0.00	0.00	
Death	5.30	5.30	7	0.50	6.53	
Discharge from hospital alive	5.31	5.30	192	13.76	183.01	
P and I - Treated 1-5 Days After Diagnosis						
Hospitalization	5.25	5.24	335	19.36	261.23	
BiPAP	5.06	5.05	120	6.14	82.56	
Supplemental oxygen	5.09	5.08	339	18.86	256.20	
Mechanical ventilation	5.06	5.05	30	1.54	20.66	
Critical Care	5.21	5.21	243	13.87	186.69	
ECMO	5.06	5.05	0	0.00	0.00	
Death	5.06	5.05	24	1.23	16.47	
Discharge from hospital alive	5.23	5.22	286	16.35	220.44	

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
P and I - NOT Treated 0-5 Days After Diagnosis						
Hospitalization	0.00		34,894	38.06	611.99	
BiPAP	0.00		7,685	7.06	112.00	
Supplemental oxygen	0.00		27,017	27.56	443.05	
Mechanical ventilation	0.00		7,006	6.57	104.01	
Critical Care	0.00		28,549	31.36	501.76	
ECMO	0.00		43	0.04	0.62	
Death	0.00		22,825	21.08	335.18	
Discharge from hospital alive	0.00		30,894	32.82	527.96	
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
MAARI - Treated Day of Diagnosis						
Hospitalization	5.33	5.31	1,756	9.04	115.87	
BiPAP	5.33	5.31	660	3.40	43.34	
Supplemental oxygen	5.33	5.31	1,986	10.42	133.69	
Mechanical ventilation	5.33	5.31	96	0.49	6.30	
Critical Care	5.33	5.31	1,293	6.66	85.21	
ECMO	5.33	5.31	3	0.02	0.20	
Death	5.33	5.31	36	0.19	2.36	
Discharge from hospital alive	5.33	5.31	1,585	8.16	104.53	
MAARI - Treated After Day of Diagnosis						
Hospitalization	5.37	5.36	256	16.14	214.98	
BiPAP	5.36	5.36	66	4.12	54.42	
Supplemental oxygen	5.38	5.37	199	13.13	174.70	
Mechanical ventilation	5.36	5.36	8	0.50	6.59	
Critical Care	5.37	5.37	156	9.89	131.09	
ECMO	5.36	5.36	0	0.00	0.00	
Death	5.36	5.36	8	0.50	6.58	
Discharge from hospital alive	5.37	5.36	209	13.16	175.03	

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
MAARI - Treated 1-5 Days After Diagnosis						
Hospitalization	5.38	5.37	402	17.07	232.30	
BiPAP	5.26	5.25	131	5.18	70.18	
Supplemental oxygen	5.29	5.28	373	15.81	215.79	
Mechanical ventilation	5.26	5.25	22	0.87	11.78	
Critical Care	5.36	5.36	283	11.98	162.58	
ECMO	5.26	5.25	0	0.00	0.00	
Death	5.26	5.25	18	0.71	9.62	
Discharge from hospital alive	5.37	5.36	348	14.68	199.56	
MAARI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization	0.00		52,804	6.60	103.77	
BiPAP	0.00		22,903	2.85	44.69	
Supplemental oxygen	0.00		49,768	6.33	99.61	
Mechanical ventilation	0.00		3,359	0.42	6.54	
Critical Care	0.00		36,997	4.62	72.61	
ECMO	0.00		30	0.00	0.06	
Death	0.00		3,700	0.46	7.21	
Discharge from hospital alive	0.00		46,948	5.86	92.17	
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						

Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database between July 1, 2015 and June 30, 2016, Overall

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Data are not presented in shaded cells due to their inability to be calculated

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI											
Total											
Female	223,768	25,114,563	227,916	0.0	0.53	2.78	5.25				20,329,982.3
Male	196,631	24,132,971	200,088	0.0	0.54	2.87	5.30				19,340,365.5
Other	14	1,990	15	0.0	0.64	3.29	5.11				1,453.9
Treated on Day of Diagnosis											
Female	107,707		108,235	8,503.1	1.01	5.30	5.27				
Male	97,403		97,933	7,693.4	1.01	5.35	5.32				
Other	8		8	0.6	1.00	5.13	5.13				
Treated Day After Diagnosis											
Female	7,552		7,557	573.7	1.00	5.25	5.24				
Male	6,376		6,384	484.1	1.00	5.36	5.35				
Other	1		1	0.1	1.00	5.00	5.00				
Treated 1-5 Days After Diagnosis											
Female	10,247		10,255	765.6	1.00	5.02	5.02				
Male	8,510		8,522	636.6	1.00	5.12	5.11				
Other	1		1	0.1	1.00	5.00	5.00				
NOT Treated Within 5 Days of Diagnosis											
Female	106,302		108,621	7,036.2	0.00	0.00					
Male	91,162		92,939	6,016.7	0.00	0.00					
Other	5		6	0.4	0.00	0.00					
P and I											
Total											
Female	616,539	25,113,486	700,949	0.0	0.19	1.01	5.24				20,281,790.3
Male	561,619	24,131,650	634,491	0.0	0.19	1.01	5.29				19,296,587.8
Other	79	1,988	88	0.0	0.11	0.58	5.11				1,446.6

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Treated on Day of Diagnosis											
Female	107,916		108,442	8,519.2	1.01	5.30	5.27				
Male	97,612		98,144	7,709.7	1.01	5.35	5.31				
Other	8		8	0.6	1.00	5.13	5.13				
Treated Day After Diagnosis											
Female	7,635		7,641	580.0	1.00	5.25	5.24				
Male	6,482		6,490	492.1	1.00	5.37	5.36				
Other	1		1	0.1	1.00	5.00	5.00				
Treated 1-5 Days After Diagnosis											
Female	10,651		10,662	794.4	1.00	5.02	5.01				
Male	8,888		8,900	663.6	1.00	5.10	5.09				
Other	1		1	0.1	1.00	5.00	5.00				
NOT Treated Within 5 Days of Diagnosis											
Female	494,911		572,680	36,248.7	0.00	0.00					
Male	451,978		518,739	32,761.2	0.00	0.00					
Other	68		76	4.6	0.00	0.00					
MAARI											
Total											
Female	3,882,338	25,110,663	4,834,145	0.0	0.03	0.16	5.28				19,930,073.8
Male	2,852,585	24,129,830	3,548,618	0.0	0.04	0.19	5.32				19,048,884.7
Other	221	1,990	266	0.0	0.03	0.16	5.14				1,432.4
Treated on Day of Diagnosis											
Female	102,315		102,790	8,070.5	1.01	5.31	5.29				
Male	91,019		91,469	7,182.8	1.01	5.36	5.33				
Other	6		6	0.5	1.00	5.17	5.17				

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Treated Day After Diagnosis											
Female	8,798		8,803	668.5	1.00	5.32	5.31				
Male	7,209		7,215	546.9	1.00	5.42	5.41				
Other	1		1	0.1	1.00	5.00	5.00				
Treated 1-5 Days After Diagnosis											
Female	14,009		14,023	1,038.3	1.00	5.22	5.22				
Male	11,245		11,256	833.5	1.00	5.30	5.29				
Other	1		1	0.1	1.00	5.00	5.00				
NOT Treated Within 5 Days of Diagnosis											
Female	3,754,083		4,652,403	296,705.0	0.00	0.00					
Male	2,743,921		3,399,202	216,847.2	0.00	0.00					
Other	210		255	15.9	0.00	0.00					
ILI - Treated Day of Diagnosis											
Hospitalization											
Female	107,661		108,189	8,446.0	1.01	5.30	5.27	1,024	9.46	121.24	
Male	97,372		97,902	7,649.5	1.01	5.35	5.32	763	7.79	99.75	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Bilevel Positive Airway Pressure (BiPAP)											
Female	107,701		108,229	8,493.7	1.01	5.30	5.27	223	2.06	26.25	
Male	97,395		97,924	7,676.0	1.01	5.35	5.32	429	4.38	55.89	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Supplemental oxygen											
Female	105,554		106,062	8,264.1	1.01	5.30	5.27	1,233	11.63	149.20	
Male	95,612		96,119	7,503.0	1.01	5.35	5.31	879	9.14	117.15	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation											
Female	107,705		108,233	8,500.6	1.01	5.30	5.27	38	0.35	4.47	
Male	97,403		97,933	7,690.6	1.01	5.35	5.32	48	0.49	6.24	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Critical Care											
Female	107,631		108,159	8,459.9	1.01	5.30	5.27	679	6.28	80.26	
Male	97,348		97,878	7,655.9	1.01	5.35	5.32	617	6.30	80.59	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Extracorporeal membrane oxygenation (ECMO)											
Female	107,707		108,235	8,503.0	1.01	5.30	5.27	1	0.01	0.12	
Male	97,403		97,933	7,693.2	1.01	5.35	5.32	2	0.02	0.26	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Death											
Female	107,707		108,235	8,502.7	1.01	5.30	5.27	16	0.15	1.88	
Male	97,403		97,933	7,692.9	1.01	5.35	5.32	17	0.17	2.21	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Discharge from hospital alive											
Female	107,663		108,191	8,451.4	1.01	5.30	5.27	909	8.40	107.56	
Male	97,376		97,906	7,653.6	1.01	5.35	5.32	683	6.98	89.24	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
ILI - Treated Day After Diagnosis											
Hospitalization											
Female	7,459		7,464	559.3	1.00	5.25	5.25	157	21.03	280.71	
Male	6,290		6,297	472.5	1.00	5.36	5.35	90	14.29	190.48	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BIPAP											
Female	7,549		7,554	572.4	1.00	5.25	5.24	32	4.24	55.90	
Male	6,373		6,381	482.9	1.00	5.36	5.35	31	4.86	64.20	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	7,079		7,084	532.1	1.00	5.26	5.26	103	14.54	193.57	
Male	5,993		6,001	450.6	1.00	5.37	5.36	82	13.66	181.98	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Mechanical ventilation											
Female	7,550		7,555	573.2	1.00	5.25	5.24	7	0.93	12.21	
Male	6,374		6,382	483.6	1.00	5.36	5.35	7	1.10	14.47	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	7,424		7,429	559.5	1.00	5.25	5.25	96	12.92	171.58	
Male	6,239		6,246	470.6	1.00	5.37	5.35	57	9.13	121.12	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
ECMO											
Female	7,551		7,556	573.7	1.00	5.25	5.24	0	0.00	0.00	
Male	6,376		6,384	484.1	1.00	5.36	5.35	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	7,552		7,557	573.6	1.00	5.25	5.24	4	0.53	6.97	
Male	6,376		6,384	484.1	1.00	5.36	5.35	4	0.63	8.26	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	7,471		7,476	561.1	1.00	5.25	5.25	133	17.79	237.03	
Male	6,299		6,306	474.3	1.00	5.36	5.35	68	10.78	143.37	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
ILI - Treated 1-5 Days After Diagnosis											
Hospitalization											
Female	9,283		9,291	687.5	1.00	5.17	5.17	213	22.93	309.82	
Male	7,639		7,648	567.9	1.00	5.29	5.28	123	16.08	216.59	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
BIPAP											
Female	10,242		10,250	763.3	1.00	5.02	5.02	58	5.66	75.99	
Male	8,506		8,518	634.6	1.00	5.12	5.11	52	6.10	81.94	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	9,426		9,434	696.4	1.00	5.06	5.05	170	18.02	244.11	
Male	7,868		7,878	581.0	1.00	5.15	5.14	148	18.79	254.73	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Mechanical ventilation											
Female	10,211		10,219	762.2	1.00	5.03	5.02	18	1.76	23.62	
Male	8,489		8,501	634.5	1.00	5.12	5.11	11	1.29	17.34	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	9,308		9,316	691.5	1.00	5.16	5.15	158	16.96	228.49	
Male	7,651		7,660	570.7	1.00	5.27	5.26	88	11.49	154.20	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO											
Female	10,246		10,254	765.6	1.00	5.03	5.02	0	0.00	0.00	
Male	8,510		8,522	636.6	1.00	5.12	5.11	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	10,247		10,255	765.4	1.00	5.02	5.02	10	0.98	13.07	
Male	8,509		8,521	636.3	1.00	5.12	5.11	10	1.17	15.72	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Discharge from hospital alive											
Female	9,378		9,386	695.1	1.00	5.16	5.15	188	20.03	270.46	
Male	7,703		7,712	573.8	1.00	5.27	5.26	99	12.84	172.53	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
ILI - NOT Treated 0-5 Days After Diagnosis											
Hospitalization											
Female	103,707		105,917	6,830.1	0.00	0.00		929	8.77	136.02	
Male	88,996		90,699	5,847.2	0.00	0.00		701	7.73	119.89	
Other	5		6	0.4	0.00	0.00		0	0.00	0.00	
BiPAP											
Female	106,256		108,572	7,025.1	0.00	0.00		243	2.24	34.59	
Male	91,074		92,848	6,000.5	0.00	0.00		326	3.51	54.33	
Other	5		6	0.4	0.00	0.00		0	0.00	0.00	
Supplemental oxygen											
Female	102,468		104,644	6,745.0	0.00	0.00		829	7.92	122.91	
Male	88,155		89,846	5,794.8	0.00	0.00		592	6.59	102.16	
Other	5		6	0.4	0.00	0.00		0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation											
Female	106,034		108,331	7,016.1	0.00	0.00		88	0.81	12.54	
Male	90,880		92,638	5,996.1	0.00	0.00		67	0.72	11.17	
Other	5		6	0.4	0.00	0.00		0	0.00	0.00	
Critical Care											
Female	103,680		105,872	6,840.1	0.00	0.00		578	5.46	84.50	
Male	88,840		90,535	5,842.4	0.00	0.00		570	6.30	97.56	
Other	5		6	0.4	0.00	0.00		0	0.00	0.00	
ECMO											
Female	106,293		108,611	7,035.5	0.00	0.00		2	0.02	0.28	
Male	91,145		92,919	6,015.4	0.00	0.00		2	0.02	0.33	
Other	5		6	0.4	0.00	0.00		0	0.00	0.00	
Death											
Female	106,241		108,558	7,029.2	0.00	0.00		176	1.62	25.04	
Male	91,090		92,865	6,006.9	0.00	0.00		212	2.28	35.29	
Other	5		6	0.4	0.00	0.00		0	0.00	0.00	
Discharge from hospital alive											
Female	103,975		106,191	6,850.9	0.00	0.00		810	7.63	118.23	
Male	89,286		90,997	5,867.4	0.00	0.00		639	7.02	108.91	
Other	5		6	0.4	0.00	0.00		0	0.00	0.00	
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis											
Hospitalization											
Female	3,653										
Male	3,098										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP											
Female	54										
Male	93										
Other	0										
Supplemental oxygen											
Female	4,739										
Male	3,704										
Other	0										
Mechanical ventilation											
Female	329										
Male	323										
Other	0										
Critical Care											
Female	3,676										
Male	3,244										
Other	0										
ECMO											
Female	10										
Male	20										
Other	0										
Death											
Female	75										
Male	91										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	3,288										
Male	2,741										
Other	0										
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis											
Hospitalization											
Female	46										
Male	31										
Other	0										
BIPAP											
Female	6										
Male	9										
Other	0										
Supplemental oxygen											
Female	2,171										
Male	1,816										
Other	0										
Mechanical ventilation											
Female	2										
Male	0										
Other	0										
Critical Care											
Female	76										
Male	55										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO											
Female	0										
Male	0										
Other	0										
Death											
Female	0										
Male	0										
Other	0										
Discharge from hospital alive											
Female	44										
Male	27										
Other	0										
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis											
Hospitalization											
Female	34										
Male	32										
Other	0										
BiPAP											
Female	0										
Male	3										
Other	0										
Supplemental oxygen											
Female	53										
Male	44										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation											
Female	1										
Male	2										
Other	0										
Critical Care											
Female	36										
Male	38										
Other	0										
ECMO											
Female	1										
Male	0										
Other	0										
Death											
Female	0										
Male	1										
Other	0										
Discharge from hospital alive											
Female	24										
Male	26										
Other	0										
P and I - Treated Day of Diagnosis											
Hospitalization											
Female	107,863		108,389	8,460.7	1.01	5.30	5.27	1,037	9.57	122.57	
Male	97,571		98,103	7,663.7	1.01	5.35	5.31	784	7.99	102.30	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BIPAP											
Female	107,910		108,436	8,509.8	1.01	5.30	5.27	227	2.09	26.68	
Male	97,604		98,135	7,692.2	1.01	5.35	5.31	433	4.41	56.29	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Supplemental oxygen											
Female	105,732		106,238	8,277.1	1.01	5.30	5.27	1,249	11.76	150.90	
Male	95,795		96,302	7,516.1	1.01	5.34	5.31	894	9.28	118.94	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Mechanical ventilation											
Female	107,912		108,438	8,516.5	1.01	5.30	5.27	39	0.36	4.58	
Male	97,608		98,140	7,706.3	1.01	5.35	5.31	53	0.54	6.88	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Critical Care											
Female	107,835		108,361	8,474.9	1.01	5.30	5.27	692	6.39	81.65	
Male	97,550		98,082	7,670.8	1.01	5.35	5.32	630	6.42	82.13	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
ECMO											
Female	107,916		108,442	8,519.2	1.01	5.30	5.27	1	0.01	0.12	
Male	97,612		98,144	7,709.5	1.01	5.35	5.31	2	0.02	0.26	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
Death											
Female	107,916		108,442	8,518.7	1.01	5.30	5.27	19	0.18	2.23	
Male	97,612		98,144	7,709.0	1.01	5.35	5.31	21	0.21	2.72	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	107,867		108,393	8,466.6	1.01	5.30	5.27	918	8.47	108.43	
Male	97,575		98,107	7,667.8	1.01	5.35	5.31	705	7.19	91.94	
Other	8		8	0.6	1.00	5.13	5.13	0	0.00	0.00	
P and I - Treated After Day of Diagnosis											
Hospitalization											
Female	7,531		7,537	565.5	1.00	5.26	5.25	146	19.37	258.18	
Male	6,388		6,395	479.8	1.00	5.37	5.36	93	14.54	193.83	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
BIPAP											
Female	7,632		7,638	578.7	1.00	5.25	5.24	33	4.32	57.02	
Male	6,479		6,487	490.9	1.00	5.37	5.36	34	5.24	69.26	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	7,140		7,146	536.8	1.00	5.27	5.26	104	14.55	193.74	
Male	6,089		6,097	457.8	1.00	5.38	5.37	83	13.61	181.30	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Mechanical ventilation											
Female	7,633		7,639	579.6	1.00	5.25	5.25	5	0.65	8.63	
Male	6,480		6,488	491.6	1.00	5.37	5.36	8	1.23	16.27	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	7,513		7,519	566.7	1.00	5.26	5.25	88	11.70	155.28	
Male	6,344		6,351	478.5	1.00	5.37	5.36	58	9.13	121.21	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO											
Female	7,634		7,640	580.0	1.00	5.25	5.24	0	0.00	0.00	
Male	6,482		6,490	492.1	1.00	5.37	5.36	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	7,635		7,641	580.0	1.00	5.25	5.24	4	0.52	6.90	
Male	6,482		6,490	492.1	1.00	5.37	5.36	3	0.46	6.10	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Discharge from hospital alive											
Female	7,543		7,549	567.3	1.00	5.26	5.25	122	16.16	215.05	
Male	6,398		6,405	481.7	1.00	5.37	5.36	70	10.93	145.32	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
P and I - Treated 1-5 Days After Diagnosis											
Hospitalization											
Female	9,470		9,479	701.4	1.00	5.19	5.18	207	21.84	295.12	
Male	7,819		7,828	581.0	1.00	5.31	5.30	128	16.35	220.31	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
BiPAP											
Female	10,645		10,656	791.9	1.00	5.02	5.01	61	5.72	77.03	
Male	8,884		8,896	661.5	1.00	5.10	5.09	59	6.63	89.19	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	9,746		9,757	718.6	1.00	5.05	5.05	183	18.76	254.66	
Male	8,203		8,213	604.5	1.00	5.13	5.12	156	18.99	258.06	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation											
Female	10,613		10,624	791.0	1.00	5.03	5.02	16	1.51	20.23	
Male	8,857		8,869	660.8	1.00	5.11	5.10	14	1.58	21.19	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	9,585		9,594	711.8	1.00	5.17	5.16	150	15.63	210.73	
Male	7,915		7,924	589.7	1.00	5.27	5.26	93	11.74	157.71	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
ECMO											
Female	10,650		10,661	794.4	1.00	5.02	5.01	0	0.00	0.00	
Male	8,888		8,900	663.6	1.00	5.10	5.09	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	10,651		10,662	794.2	1.00	5.02	5.01	10	0.94	12.59	
Male	8,887		8,899	663.3	1.00	5.10	5.09	14	1.57	21.11	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Discharge from hospital alive											
Female	9,572		9,581	709.5	1.00	5.18	5.17	182	19.00	256.52	
Male	7,899		7,908	587.9	1.00	5.29	5.28	104	13.15	176.90	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
P and I - NOT Treated 0-5 Days After Diagnosis											
Hospitalization											
Female	429,063		485,800	30,254.7	0.00	0.00		17,508	36.04	578.69	
Male	384,981		431,058	26,759.8	0.00	0.00		17,383	40.33	649.59	
Other	45		50	2.9	0.00	0.00		3	60.00	1,034.48	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BIPAP											
Female	494,328		571,612	36,076.1	0.00	0.00		3,391	5.93	94.00	
Male	451,126		517,310	32,537.7	0.00	0.00		4,294	8.30	131.97	
Other	68		76	4.6	0.00	0.00		0	0.00	0.00	
Supplemental oxygen											
Female	446,529		512,909	31,902.8	0.00	0.00		14,828	28.91	464.79	
Male	410,134		467,367	29,072.4	0.00	0.00		12,187	26.08	419.19	
Other	68		73	4.3	0.00	0.00		2	27.40	465.12	
Mechanical ventilation											
Female	486,448		561,131	35,467.5	0.00	0.00		3,257	5.80	91.83	
Male	442,249		505,755	31,887.4	0.00	0.00		3,749	7.41	117.57	
Other	56		63	3.8	0.00	0.00		0	0.00	0.00	
Critical Care											
Female	426,734		484,038	30,299.9	0.00	0.00		14,102	29.13	465.41	
Male	380,104		426,162	26,596.0	0.00	0.00		14,445	33.90	543.13	
Other	28		30	1.9	0.00	0.00		2	66.67	1,052.63	
ECMO											
Female	494,868		572,631	36,245.3	0.00	0.00		15	0.03	0.41	
Male	451,921		518,655	32,755.4	0.00	0.00		28	0.05	0.85	
Other	68		76	4.6	0.00	0.00		0	0.00	0.00	
Death											
Female	491,435		568,664	35,838.7	0.00	0.00		10,096	17.75	281.71	
Male	447,781		513,927	32,255.9	0.00	0.00		12,719	24.75	394.32	
Other	62		69	4.0	0.00	0.00		10	144.93	2,500.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	438,674		497,479	30,983.5	0.00	0.00		15,495	31.15	500.10	
Male	395,579		443,750	27,529.3	0.00	0.00		15,397	34.70	559.30	
Other	49		54	3.1	0.00	0.00		2	37.04	645.16	
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis											
Hospitalization											
Female	84,293										
Male	84,675										
Other	27										
BIPAP											
Female	937										
Male	1,305										
Other	0										
Supplemental oxygen											
Female	59,400										
Male	51,275										
Other	4										
Mechanical ventilation											
Female	11,593										
Male	13,120										
Other	14										
Critical Care											
Female	85,454										
Male	88,706										
Other	43										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO											
Female	51										
Male	87										
Other	0										
Death											
Female	4,609										
Male	5,645										
Other	8										
Discharge from hospital alive											
Female	73,215										
Male	72,658										
Other	22										
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis											
Hospitalization											
Female	53										
Male	41										
Other	0										
BiPAP											
Female	6										
Male	9										
Other	0										
Supplemental oxygen											
Female	2,202										
Male	1,844										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation											
Female	4										
Male	4										
Other	0										
Critical Care											
Female	81										
Male	62										
Other	0										
ECMO											
Female	0										
Male	0										
Other	0										
Death											
Female	0										
Male	0										
Other	0										
Discharge from hospital alive											
Female	49										
Male	37										
Other	0										
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis											
Hospitalization											
Female	38										
Male	36										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP											
Female	0										
Male	3										
Other	0										
Supplemental oxygen											
Female	65										
Male	46										
Other	0										
Mechanical ventilation											
Female	1										
Male	3										
Other	0										
Critical Care											
Female	36										
Male	37										
Other	0										
ECMO											
Female	1										
Male	0										
Other	0										
Death											
Female	0										
Male	1										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	28										
Male	29										
Other	0										
MAARI - Treated Day of Diagnosis											
Hospitalization											
Female	102,268		102,743	8,013.4	1.01	5.31	5.29	1,024	9.97	127.79	
Male	90,992		91,442	7,141.1	1.01	5.36	5.33	732	8.01	102.51	
Other	6		6	0.5	1.00	5.17	5.17	0	0.00	0.00	
BIPAP											
Female	102,308		102,783	8,060.3	1.01	5.31	5.29	239	2.33	29.65	
Male	91,014		91,463	7,165.9	1.01	5.36	5.33	421	4.60	58.75	
Other	6		6	0.5	1.00	5.17	5.17	0	0.00	0.00	
Supplemental oxygen											
Female	100,284		100,741	7,845.1	1.00	5.31	5.29	1,173	11.64	149.52	
Male	89,388		89,823	7,009.3	1.01	5.36	5.33	813	9.05	115.99	
Other	6		6	0.5	1.00	5.17	5.17	0	0.00	0.00	
Mechanical ventilation											
Female	102,313		102,788	8,067.9	1.01	5.31	5.29	40	0.39	4.96	
Male	91,019		91,469	7,179.5	1.01	5.36	5.33	56	0.61	7.80	
Other	6		6	0.5	1.00	5.17	5.17	0	0.00	0.00	
Critical Care											
Female	102,245		102,720	8,027.2	1.01	5.31	5.29	691	6.73	86.08	
Male	90,977		91,427	7,147.2	1.01	5.36	5.33	602	6.58	84.23	
Other	6		6	0.5	1.00	5.17	5.17	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO											
Female	102,315		102,790	8,070.4	1.01	5.31	5.29	1	0.01	0.12	
Male	91,019		91,469	7,182.6	1.01	5.36	5.33	2	0.02	0.28	
Other	6		6	0.5	1.00	5.17	5.17	0	0.00	0.00	
Death											
Female	102,315		102,790	8,070.0	1.01	5.31	5.29	16	0.16	1.98	
Male	91,017		91,467	7,181.9	1.01	5.36	5.33	20	0.22	2.78	
Other	6		6	0.5	1.00	5.17	5.17	0	0.00	0.00	
Discharge from hospital alive											
Female	102,268		102,743	8,018.2	1.01	5.31	5.29	922	8.97	114.99	
Male	90,996		91,446	7,144.8	1.01	5.36	5.33	663	7.25	92.79	
Other	6		6	0.5	1.00	5.17	5.17	0	0.00	0.00	
MAARI - Treated After Day of Diagnosis											
Hospitalization											
Female	8,709		8,714	654.5	1.00	5.32	5.32	163	18.71	249.05	
Male	7,138		7,143	536.2	1.00	5.43	5.42	93	13.02	173.44	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
BiPAP											
Female	8,793		8,798	667.0	1.00	5.32	5.31	33	3.75	49.48	
Male	7,206		7,212	545.7	1.00	5.42	5.41	33	4.58	60.47	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	8,320		8,324	625.7	1.00	5.33	5.33	121	14.54	193.38	
Male	6,821		6,827	513.3	1.00	5.43	5.42	78	11.43	151.96	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation											
Female	8,794		8,799	668.1	1.00	5.32	5.31	3	0.34	4.49	
Male	7,207		7,213	546.5	1.00	5.42	5.41	5	0.69	9.15	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	8,678		8,683	655.3	1.00	5.33	5.32	94	10.83	143.45	
Male	7,090		7,095	534.6	1.00	5.43	5.42	62	8.74	115.97	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
ECMO											
Female	8,797		8,802	668.5	1.00	5.32	5.31	0	0.00	0.00	
Male	7,209		7,215	546.9	1.00	5.42	5.41	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	8,798		8,803	668.5	1.00	5.32	5.31	4	0.45	5.98	
Male	7,209		7,215	546.9	1.00	5.42	5.41	4	0.55	7.31	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Discharge from hospital alive											
Female	8,721		8,726	656.1	1.00	5.32	5.32	140	16.04	213.38	
Male	7,144		7,149	537.9	1.00	5.43	5.42	69	9.65	128.28	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
MAARI - Treated 1-5 Days After Diagnosis											
Hospitalization											
Female	13,103		13,117	962.6	1.00	5.33	5.33	260	19.82	270.10	
Male	10,427		10,437	767.8	1.00	5.43	5.42	142	13.61	184.94	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BIPAP											
Female	14,002		14,016	1,035.7	1.00	5.22	5.22	60	4.28	57.93	
Male	11,241		11,252	830.8	1.00	5.30	5.29	71	6.31	85.46	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	13,053		13,066	957.9	1.00	5.26	5.25	207	15.84	216.10	
Male	10,510		10,519	770.5	1.00	5.33	5.32	166	15.78	215.44	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Mechanical ventilation											
Female	13,974		13,988	1,035.2	1.00	5.23	5.22	13	0.93	12.56	
Male	11,223		11,234	831.5	1.00	5.30	5.30	9	0.80	10.82	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	13,152		13,166	969.1	1.00	5.32	5.31	181	13.75	186.77	
Male	10,444		10,454	771.5	1.00	5.42	5.41	102	9.76	132.21	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
ECMO											
Female	14,008		14,022	1,038.3	1.00	5.22	5.22	0	0.00	0.00	
Male	11,245		11,256	833.5	1.00	5.30	5.29	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	14,009		14,023	1,038.1	1.00	5.22	5.22	10	0.71	9.63	
Male	11,244		11,255	833.2	1.00	5.30	5.29	8	0.71	9.60	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	13,198		13,212	970.3	1.00	5.32	5.32	231	17.48	238.07	
Male	10,486		10,496	773.4	1.00	5.42	5.41	117	11.15	151.28	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
MAARI - NOT Treated 0-5 Days After Diagnosis											
Hospitalization											
Female	3,735,387		4,626,551	293,962.2	0.00	0.00	-	32,656	7.06	111.09	
Male	2,728,772		3,379,148	214,882.0	0.00	0.00	-	20,142	5.96	93.74	
Other	209		252	15.6	0.00	0.00	-	6	23.81	384.62	
BIPAP											
Female	3,752,083		4,649,365	296,184.8	0.00	0.00	-	10,547	2.27	35.61	
Male	2,741,353		3,395,585	216,229.4	0.00	0.00	-	12,355	3.64	57.14	
Other	210		255	15.9	0.00	0.00	-	1	3.92	62.89	
Supplemental oxygen											
Female	3,678,919		4,542,308	288,614.0	0.00	0.00	-	28,970	6.38	100.38	
Male	2,690,261		3,318,803	210,981.1	0.00	0.00	-	20,796	6.27	98.57	
Other	207		248	15.5	0.00	0.00	-	2	8.06	129.03	
Mechanical ventilation											
Female	3,752,876		4,650,761	296,549.9	0.00	0.00	-	1,766	0.38	5.96	
Male	2,742,593		3,397,479	216,692.2	0.00	0.00	-	1,593	0.47	7.35	
Other	210		255	15.9	0.00	0.00	-	0	0.00	0.00	
Critical Care											
Female	3,736,187		4,628,191	294,453.3	0.00	0.00	-	21,102	4.56	71.67	
Male	2,728,599		3,379,373	215,057.2	0.00	0.00	-	15,889	4.70	73.88	
Other	208		250	15.4	0.00	0.00	-	6	24.00	389.61	

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO											
Female	3,754,069		4,652,386	296,703.7	0.00	0.00	-	8	0.00	0.03	
Male	2,743,892		3,399,168	216,844.5	0.00	0.00	-	22	0.01	0.10	
Other	210		255	15.9	0.00	0.00	-	0	0.00	0.00	
Death											
Female	3,753,720		4,651,980	296,648.2	0.00	0.00	-	1,787	0.38	6.02	
Male	2,743,499		3,398,725	216,784.3	0.00	0.00	-	1,912	0.56	8.82	
Other	210		255	15.9	0.00	0.00	-	1	3.92	62.89	
Discharge from hospital alive											
Female	3,737,376		4,629,269	294,247.1	0.00	0.00	-	29,028	6.27	98.65	
Male	2,730,431		3,381,335	215,087.4	0.00	0.00	-	17,916	5.30	83.30	
Other	209		252	15.6	0.00	0.00	-	4	15.87	256.41	
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis											
Hospitalization											
Female	26,668										
Male	20,816										
Other	3										
BiPAP											
Female	2,985										
Male	3,505										
Other	0										
Supplemental oxygen											
Female	108,939										
Male	79,528										
Other	7										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation											
Female	1,700										
Male	1,767										
Other	0										
Critical Care											
Female	24,930										
Male	20,538										
Other	4										
ECMO											
Female	17										
Male	34										
Other	0										
Death											
Female	515										
Male	557										
Other	0										
Discharge from hospital alive											
Female	23,879										
Male	18,567										
Other	3										
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis											
Hospitalization											
Female	47										
Male	27										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP											
Female	7										
Male	6										
Other	0										
Supplemental oxygen											
Female	2,050										
Male	1,648										
Other	0										
Mechanical ventilation											
Female	2										
Male	0										
Other	0										
Critical Care											
Female	70										
Male	42										
Other	0										
ECMO											
Female	0										
Male	0										
Other	0										
Death											
Female	0										
Male	2										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	47										
Male	23										
Other	0										
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis											
Hospitalization											
Female	35										
Male	32										
Other	0										
BIPAP											
Female	0										
Male	3										
Other	0										
Supplemental oxygen											
Female	127										
Male	121										
Other	0										
Mechanical ventilation											
Female	3										
Male	2										
Other	0										
Critical Care											
Female	43										
Male	39										
Other	0										

Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Sex

Sex	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO											
Female	1										
Male	0										
Other	0										
Death											
Female	0										
Male	1										
Other	0										
Discharge from hospital alive											
Female	25										
Male	26										
Other	0										

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Data are not presented in shaded cells due to their inability to be calculated

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI					
Total					
6 Months - 4	44,180	2,466,639	45,328	0.0	0.54
5-17	108,674	7,418,286	110,379	0.0	0.54
18-49	168,776	22,193,630	170,892	0.0	0.56
50-64	65,919	10,898,760	67,192	0.0	0.54
65+	32,964	8,035,565	34,228	0.0	0.41
Treated on Day of Diagnosis					
6 Months - 4	21,175		21,400	1,681.0	1.01
5-17	53,801		54,191	4,267.0	1.01
18-49	87,500		87,800	6,887.9	1.00
50-64	32,319		32,426	2,547.4	1.00
65+	10,337		10,359	813.8	1.00
Treated Day After Diagnosis					
6 Months - 4	1,847		1,853	141.0	1.00
5-17	3,321		3,325	253.2	1.00
18-49	5,336		5,338	404.6	1.00
50-64	1,997		1,998	151.3	1.00
65+	1,428		1,428	107.8	1.00
Treated 1-5 Days After Diagnosis					
6 Months - 4	2,206		2,214	167.0	1.00
5-17	4,015		4,021	303.3	1.00
18-49	6,525		6,528	489.3	1.00
50-64	3,007		3,008	223.1	1.00
65+	3,005		3,007	219.7	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
NOT Treated Within 5 Days of Diagnosis					
6 Months - 4	21,042		21,564	1,397.8	0.00
5-17	51,214		51,895	3,379.1	0.00
18-49	74,904		75,922	4,907.1	0.00
50-64	30,692		31,512	2,038.8	0.00
65+	19,662		20,673	1,330.6	0.00
P and I					
Total					
6 Months - 4	108,715	2,466,493	116,922	0.0	0.22
5-17	206,233	7,418,137	215,060	0.0	0.28
18-49	294,720	22,193,291	311,424	0.0	0.32
50-64	212,025	10,898,206	243,959	0.0	0.17
65+	357,837	8,033,882	448,163	0.0	0.04
Treated on Day of Diagnosis					
6 Months - 4	21,068		21,292	1,672.6	1.01
5-17	53,750		54,137	4,262.7	1.01
18-49	87,755		88,057	6,907.9	1.00
50-64	32,521		32,629	2,563.3	1.00
65+	10,457		10,479	823.1	1.00
Treated Day After Diagnosis					
6 Months - 4	1,857		1,864	141.8	1.00
5-17	3,324		3,328	253.4	1.00
18-49	5,391		5,393	408.8	1.00
50-64	2,045		2,046	154.9	1.00
65+	1,501		1,501	113.5	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Treated 1-5 Days After Diagnosis					
6 Months - 4	2,256		2,264	170.5	1.00
5-17	4,065		4,071	306.8	1.00
18-49	6,702		6,705	502.1	1.00
50-64	3,190		3,192	236.1	1.00
65+	3,327		3,331	242.6	1.00
NOT Treated Within 5 Days of Diagnosis					
6 Months - 4	85,844		92,328	5,918.3	0.00
5-17	148,812		155,261	9,988.6	0.00
18-49	199,402		213,659	13,640.0	0.00
50-64	174,824		204,615	12,938.1	0.00
65+	339,189		425,632	26,529.4	0.00
MAARI					
Total					
6 Months - 4	854,730	2,463,026	1,285,861	0.0	0.02
5-17	1,587,951	7,415,976	2,081,321	0.0	0.03
18-49	2,447,634	22,190,424	2,847,636	0.0	0.04
50-64	1,059,909	10,897,716	1,217,368	0.0	0.03
65+	815,999	8,035,110	950,843	0.0	0.02
Treated on Day of Diagnosis					
6 Months - 4	17,315		17,469	1,372.0	1.01
5-17	48,415		48,719	3,835.7	1.01
18-49	84,182		84,466	6,622.3	1.00
50-64	32,377		32,504	2,551.7	1.00
65+	11,060		11,107	872.1	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Treated Day After Diagnosis					
6 Months - 4	1,899		1,901	144.4	1.00
5-17	3,998		4,004	304.7	1.00
18-49	6,275		6,277	476.1	1.00
50-64	2,313		2,314	175.1	1.00
65+	1,523		1,523	115.2	1.00
Treated 1-5 Days After Diagnosis					
6 Months - 4	2,880		2,885	214.0	1.00
5-17	6,074		6,084	453.1	1.00
18-49	9,090		9,097	675.7	1.00
50-64	3,893		3,895	287.0	1.00
65+	3,319		3,319	242.1	1.00
NOT Treated Within 5 Days of Diagnosis					
6 Months - 4	836,285		1,247,388	79,407.8	0.00
5-17	1,538,384		2,004,527	128,538.6	0.00
18-49	2,341,093		2,711,990	172,468.9	0.00
50-64	1,016,826		1,164,075	74,216.8	0.00
65+	794,815		923,880	58,936.0	0.00
ILI - Treated Day of Diagnosis					
Hospitalization					
6 Months - 4	21,169		21,394	1,674.3	1.01
5-17	53,800		54,190	4,260.8	1.01
18-49	87,481		87,781	6,853.2	1.00
50-64	32,296		32,403	2,519.3	1.00
65+	10,309		10,331	788.5	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Bilevel Positive Airway Pressure (BiPAP)					
6 Months - 4	21,175		21,400	1,681.0	1.01
5-17	53,801		54,191	4,266.6	1.01
18-49	87,493		87,792	6,876.5	1.00
50-64	32,314		32,421	2,536.9	1.00
65+	10,335		10,357	809.4	1.00
Supplemental oxygen					
6 Months - 4	20,796		21,005	1,637.8	1.01
5-17	53,179		53,559	4,200.5	1.01
18-49	86,045		86,332	6,727.5	1.00
50-64	31,328		31,434	2,441.4	1.00
65+	9,837		9,859	760.5	1.00
Mechanical ventilation					
6 Months - 4	21,175		21,400	1,680.9	1.01
5-17	53,801		54,191	4,266.8	1.01
18-49	87,499		87,799	6,886.5	1.00
50-64	32,318		32,425	2,545.5	1.00
65+	10,337		10,359	812.3	1.00
Critical Care					
6 Months - 4	21,170		21,395	1,677.2	1.01
5-17	53,790		54,180	4,262.3	1.01
18-49	87,452		87,752	6,862.3	1.00
50-64	32,278		32,385	2,522.1	1.00
65+	10,311		10,333	792.6	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Extracorporeal membrane oxygenation (ECMO)					
6 Months - 4	21,175		21,400	1,681.0	1.01
5-17	53,801		54,191	4,267.0	1.01
18-49	87,500		87,800	6,887.9	1.00
50-64	32,319		32,426	2,547.3	1.00
65+	10,337		10,359	813.8	1.00
Death					
6 Months - 4	21,175		21,400	1,681.0	1.01
5-17	53,801		54,191	4,267.0	1.01
18-49	87,500		87,800	6,887.9	1.00
50-64	32,319		32,426	2,547.3	1.00
65+	10,337		10,359	813.0	1.00
Discharge from hospital alive					
6 Months - 4	21,169		21,394	1,676.4	1.01
5-17	53,800		54,190	4,261.6	1.01
18-49	87,481		87,781	6,855.9	1.00
50-64	32,296		32,403	2,520.7	1.00
65+	10,315		10,337	791.1	1.00
ILI - Treated Day After Diagnosis					
Hospitalization					
6 Months - 4	1,836		1,842	139.4	1.00
5-17	3,307		3,311	251.2	1.00
18-49	5,286		5,288	396.5	1.00
50-64	1,960		1,960	145.5	1.00
65+	1,361		1,361	99.2	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	1,847		1,853	141.0	1.00
5-17	3,321		3,325	253.2	1.00
18-49	5,331		5,333	403.5	1.00
50-64	1,997		1,998	150.7	1.00
65+	1,427		1,427	107.0	1.00
Supplemental oxygen					
6 Months - 4	1,770		1,776	134.3	1.00
5-17	3,222		3,226	244.4	1.00
18-49	5,073		5,075	381.4	1.00
50-64	1,792		1,793	133.3	1.00
65+	1,216		1,216	89.4	1.00
Mechanical ventilation					
6 Months - 4	1,847		1,853	141.0	1.00
5-17	3,321		3,325	253.2	1.00
18-49	5,336		5,338	404.4	1.00
50-64	1,996		1,997	151.1	1.00
65+	1,425		1,425	107.2	1.00
Critical Care					
6 Months - 4	1,833		1,839	139.4	1.00
5-17	3,301		3,305	251.1	1.00
18-49	5,270		5,272	397.9	1.00
50-64	1,930		1,930	144.2	1.00
65+	1,330		1,330	97.7	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	1,847		1,853	141.0	1.00
5-17	3,321		3,325	253.2	1.00
18-49	5,336		5,338	404.6	1.00
50-64	1,996		1,997	151.3	1.00
65+	1,428		1,428	107.8	1.00
Death					
6 Months - 4	1,847		1,853	141.0	1.00
5-17	3,321		3,325	253.2	1.00
18-49	5,336		5,338	404.6	1.00
50-64	1,997		1,998	151.3	1.00
65+	1,428		1,428	107.7	1.00
Discharge from hospital alive					
6 Months - 4	1,840		1,846	140.1	1.00
5-17	3,307		3,311	251.5	1.00
18-49	5,288		5,290	397.2	1.00
50-64	1,962		1,962	146.1	1.00
65+	1,374		1,374	100.5	1.00
ILI - Treated 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	2,140		2,148	161.2	1.00
5-17	3,937		3,943	296.8	1.00
18-49	6,224		6,227	462.5	1.00
50-64	2,521		2,521	184.7	1.00
65+	2,101		2,101	150.2	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	2,206		2,214	167.0	1.00
5-17	4,015		4,021	303.3	1.00
18-49	6,520		6,523	488.0	1.00
50-64	3,005		3,006	221.7	1.00
65+	3,003		3,005	218.1	1.00
Supplemental oxygen					
6 Months - 4	2,094		2,102	157.4	1.00
5-17	3,877		3,882	291.4	1.00
18-49	6,167		6,169	458.7	1.00
50-64	2,647		2,648	192.6	1.00
65+	2,510		2,512	177.4	1.00
Mechanical ventilation					
6 Months - 4	2,203		2,211	166.8	1.00
5-17	4,013		4,019	303.2	1.00
18-49	6,517		6,520	488.5	1.00
50-64	2,995		2,996	221.8	1.00
65+	2,973		2,975	216.5	1.00
Critical Care					
6 Months - 4	2,161		2,169	163.1	1.00
5-17	3,946		3,952	297.7	1.00
18-49	6,231		6,234	466.3	1.00
50-64	2,526		2,526	185.7	1.00
65+	2,096		2,096	149.6	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	2,206		2,214	167.0	1.00
5-17	4,015		4,021	303.3	1.00
18-49	6,525		6,528	489.3	1.00
50-64	3,006		3,007	223.1	1.00
65+	3,005		3,007	219.7	1.00
Death					
6 Months - 4	2,206		2,214	167.0	1.00
5-17	4,015		4,021	303.3	1.00
18-49	6,525		6,528	489.3	1.00
50-64	3,007		3,008	223.0	1.00
65+	3,004		3,006	219.2	1.00
Discharge from hospital alive					
6 Months - 4	2,153		2,161	162.7	1.00
5-17	3,939		3,945	297.3	1.00
18-49	6,238		6,241	464.2	1.00
50-64	2,542		2,542	186.7	1.00
65+	2,210		2,210	158.1	1.00
ILI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	20,854		21,372	1,383.1	0.00
5-17	51,014		51,689	3,362.4	0.00
18-49	74,178		75,171	4,841.8	0.00
50-64	29,534		30,298	1,947.7	0.00
65+	17,172		18,092	1,142.6	0.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	21,042		21,564	1,397.8	0.00
5-17	51,214		51,895	3,379.0	0.00
18-49	74,866		75,881	4,898.6	0.00
50-64	30,632		31,450	2,027.1	0.00
65+	19,626		20,636	1,323.5	0.00
Supplemental oxygen					
6 Months - 4	20,414		20,903	1,350.8	0.00
5-17	50,290		50,939	3,310.3	0.00
18-49	72,597		73,560	4,739.4	0.00
50-64	29,113		29,888	1,920.2	0.00
65+	18,258		19,206	1,219.5	0.00
Mechanical ventilation					
6 Months - 4	21,029		21,550	1,396.8	0.00
5-17	51,198		51,878	3,378.0	0.00
18-49	74,826		75,830	4,901.1	0.00
50-64	30,503		31,313	2,025.4	0.00
65+	19,407		20,404	1,311.3	0.00
Critical Care					
6 Months - 4	20,927		21,444	1,388.7	0.00
5-17	51,072		51,745	3,367.6	0.00
18-49	74,182		75,167	4,848.4	0.00
50-64	29,456		30,216	1,946.1	0.00
65+	16,932		17,841	1,132.1	0.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	21,042		21,564	1,397.8	0.00
5-17	51,212		51,893	3,379.0	0.00
18-49	74,888		75,903	4,905.8	0.00
50-64	30,687		31,506	2,038.4	0.00
65+	19,659		20,670	1,330.4	0.00
Death					
6 Months - 4	21,042		21,564	1,397.7	0.00
5-17	51,213		51,894	3,379.0	0.00
18-49	74,896		75,912	4,906.3	0.00
50-64	30,674		31,494	2,036.5	0.00
65+	19,556		20,565	1,317.0	0.00
Discharge from hospital alive					
6 Months - 4	20,886		21,404	1,385.4	0.00
5-17	51,032		51,707	3,363.9	0.00
18-49	74,237		75,231	4,847.7	0.00
50-64	29,631		30,399	1,954.9	0.00
65+	17,524		18,453	1,166.8	0.00
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	252		252		
5-17	281		281		
18-49	1,035		1,038		
50-64	1,700		1,703		
65+	3,483		3,493		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	0		0		
5-17	0		0		
18-49	44		44		
50-64	65		65		
65+	38		38		
Supplemental oxygen					
6 Months - 4	765		769		
5-17	1,082		1,086		
18-49	2,685		2,697		
50-64	1,966		1,975		
65+	1,945		1,955		
Mechanical ventilation					
6 Months - 4	17		17		
5-17	19		19		
18-49	101		101		
50-64	213		213		
65+	302		302		
Critical Care					
6 Months - 4	163		163		
5-17	215		215		
18-49	1,036		1,041		
50-64	1,771		1,779		
65+	3,735		3,757		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	0		0		
5-17	2		2		
18-49	19		19		
50-64	6		6		
65+	3		3		
Death					
6 Months - 4	0		0		
5-17	1		1		
18-49	12		12		
50-64	21		21		
65+	132		132		
Discharge from hospital alive					
6 Months - 4	210		210		
5-17	261		261		
18-49	964		967		
50-64	1,577		1,580		
65+	3,017		3,023		
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
6 Months - 4	6		6		
5-17	1		1		
18-49	19		19		
50-64	23		23		
65+	28		28		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	0		0		
5-17	0		0		
18-49	8		8		
50-64	5		5		
65+	2		2		
Supplemental oxygen					
6 Months - 4	395		396		
5-17	632		632		
18-49	1,468		1,470		
50-64	992		992		
65+	500		500		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	1		1		
50-64	1		1		
65+	0		0		
Critical Care					
6 Months - 4	5		5		
5-17	11		11		
18-49	48		48		
50-64	41		41		
65+	26		26		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	0		0		
Death					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	0		0		
Discharge from hospital alive					
6 Months - 4	6		6		
5-17	1		1		
18-49	19		19		
50-64	23		23		
65+	22		22		
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	8		8		
5-17	4		4		
18-49	19		19		
50-64	11		11		
65+	24		24		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	0		0		
5-17	0		0		
18-49	2		2		
50-64	0		0		
65+	1		1		
Supplemental oxygen					
6 Months - 4	10		10		
5-17	16		16		
18-49	38		38		
50-64	20		20		
65+	13		13		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	1		1		
65+	2		2		
Critical Care					
6 Months - 4	4		4		
5-17	4		4		
18-49	18		18		
50-64	19		19		
65+	29		29		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	1		1		
65+	0		0		
Death					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	1		1		
Discharge from hospital alive					
6 Months - 4	5		5		
5-17	4		4		
18-49	15		15		
50-64	9		9		
65+	17		17		
P and I - Treated Day of Diagnosis					
Hospitalization					
6 Months - 4	21,061		21,285	1,665.9	1.01
5-17	53,749		54,136	4,256.4	1.01
18-49	87,735		88,037	6,872.7	1.00
50-64	32,494		32,602	2,534.1	1.00
65+	10,418		10,440	795.9	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	21,068		21,292	1,672.6	1.01
5-17	53,750		54,137	4,262.4	1.01
18-49	87,748		88,049	6,896.4	1.00
50-64	32,516		32,624	2,552.6	1.00
65+	10,455		10,477	818.7	1.00
Supplemental oxygen					
6 Months - 4	20,690		20,898	1,629.1	1.01
5-17	53,124		53,502	4,196.2	1.01
18-49	86,282		86,570	6,745.2	1.00
50-64	31,514		31,621	2,455.3	1.00
65+	9,937		9,957	768.0	1.00
Mechanical ventilation					
6 Months - 4	21,068		21,292	1,672.4	1.01
5-17	53,750		54,137	4,262.5	1.01
18-49	87,754		88,056	6,906.4	1.00
50-64	32,520		32,628	2,561.2	1.00
65+	10,451		10,473	821.0	1.00
Critical Care					
6 Months - 4	21,063		21,287	1,668.9	1.01
5-17	53,738		54,125	4,258.0	1.01
18-49	87,707		88,009	6,881.7	1.00
50-64	32,476		32,584	2,537.2	1.00
65+	10,424		10,446	800.6	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	21,068		21,292	1,672.6	1.01
5-17	53,750		54,137	4,262.7	1.01
18-49	87,755		88,057	6,907.9	1.00
50-64	32,521		32,629	2,563.2	1.00
65+	10,457		10,479	823.1	1.00
Death					
6 Months - 4	21,068		21,292	1,672.6	1.01
5-17	53,750		54,137	4,262.6	1.01
18-49	87,755		88,057	6,907.9	1.00
50-64	32,521		32,629	2,563.2	1.00
65+	10,457		10,479	822.1	1.00
Discharge from hospital alive					
6 Months - 4	21,061		21,285	1,668.0	1.01
5-17	53,749		54,136	4,257.3	1.01
18-49	87,735		88,037	6,875.4	1.00
50-64	32,494		32,602	2,535.5	1.00
65+	10,426		10,448	798.7	1.00
P and I - Treated After Day of Diagnosis					
Hospitalization					
6 Months - 4	1,847		1,854	140.2	1.00
5-17	3,310		3,314	251.4	1.00
18-49	5,337		5,339	400.7	1.00
50-64	2,005		2,005	148.6	1.00
65+	1,421		1,421	104.3	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	1,857		1,864	141.8	1.00
5-17	3,324		3,328	253.4	1.00
18-49	5,386		5,388	407.6	1.00
50-64	2,045		2,046	154.2	1.00
65+	1,500		1,500	112.6	1.00
Supplemental oxygen					
6 Months - 4	1,777		1,784	134.8	1.00
5-17	3,226		3,230	244.6	1.00
18-49	5,120		5,122	384.7	1.00
50-64	1,836		1,837	136.6	1.00
65+	1,271		1,271	94.0	1.00
Mechanical ventilation					
6 Months - 4	1,857		1,864	141.8	1.00
5-17	3,324		3,328	253.4	1.00
18-49	5,391		5,393	408.7	1.00
50-64	2,044		2,045	154.6	1.00
65+	1,498		1,498	112.9	1.00
Critical Care					
6 Months - 4	1,844		1,851	140.2	1.00
5-17	3,305		3,309	251.3	1.00
18-49	5,327		5,329	402.2	1.00
50-64	1,977		1,977	147.5	1.00
65+	1,405		1,405	104.1	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	1,857		1,864	141.8	1.00
5-17	3,324		3,328	253.4	1.00
18-49	5,391		5,393	408.8	1.00
50-64	2,044		2,045	154.9	1.00
65+	1,501		1,501	113.5	1.00
Death					
6 Months - 4	1,857		1,864	141.8	1.00
5-17	3,324		3,328	253.4	1.00
18-49	5,391		5,393	408.8	1.00
50-64	2,045		2,046	154.9	1.00
65+	1,501		1,501	113.4	1.00
Discharge from hospital alive					
6 Months - 4	1,851		1,858	141.0	1.00
5-17	3,310		3,314	251.7	1.00
18-49	5,340		5,342	401.4	1.00
50-64	2,007		2,007	149.4	1.00
65+	1,434		1,434	105.6	1.00
P and I - Treated 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	2,178		2,186	163.9	1.00
5-17	3,982		3,988	299.9	1.00
18-49	6,340		6,343	471.2	1.00
50-64	2,623		2,624	192.0	1.00
65+	2,167		2,167	155.4	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	2,256		2,264	170.5	1.00
5-17	4,065		4,071	306.8	1.00
18-49	6,697		6,700	500.8	1.00
50-64	3,188		3,190	234.6	1.00
65+	3,324		3,328	240.8	1.00
Supplemental oxygen					
6 Months - 4	2,136		2,144	160.4	1.00
5-17	3,916		3,921	293.9	1.00
18-49	6,323		6,325	469.7	1.00
50-64	2,808		2,810	204.0	1.00
65+	2,767		2,771	195.1	1.00
Mechanical ventilation					
6 Months - 4	2,252		2,260	170.2	1.00
5-17	4,063		4,069	306.7	1.00
18-49	6,689		6,692	501.1	1.00
50-64	3,180		3,182	235.0	1.00
65+	3,287		3,291	238.9	1.00
Critical Care					
6 Months - 4	2,204		2,212	166.1	1.00
5-17	3,993		3,999	300.8	1.00
18-49	6,372		6,375	476.4	1.00
50-64	2,650		2,651	194.4	1.00
65+	2,282		2,282	163.8	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	2,256		2,264	170.5	1.00
5-17	4,065		4,071	306.8	1.00
18-49	6,702		6,705	502.1	1.00
50-64	3,189		3,191	236.1	1.00
65+	3,327		3,331	242.6	1.00
Death					
6 Months - 4	2,256		2,264	170.5	1.00
5-17	4,065		4,071	306.8	1.00
18-49	6,702		6,705	502.1	1.00
50-64	3,190		3,192	236.1	1.00
65+	3,326		3,330	242.1	1.00
Discharge from hospital alive					
6 Months - 4	2,193		2,201	165.4	1.00
5-17	3,984		3,990	300.4	1.00
18-49	6,359		6,362	473.2	1.00
50-64	2,650		2,651	194.4	1.00
65+	2,286		2,286	164.1	1.00
P and I - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	83,625		89,598	5,729.6	0.00
5-17	146,969		153,047	9,826.4	0.00
18-49	189,615		201,485	12,754.6	0.00
50-64	149,874		171,505	10,621.1	0.00
65+	244,854		301,273	18,085.6	0.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	85,833		92,314	5,916.6	0.00
5-17	148,798		155,231	9,984.0	0.00
18-49	199,192		213,355	13,590.2	0.00
50-64	174,325		203,747	12,802.7	0.00
65+	338,478		424,351	26,324.8	0.00
Supplemental oxygen					
6 Months - 4	74,769		79,687	5,072.3	0.00
5-17	135,348		140,550	8,993.0	0.00
18-49	182,548		194,980	12,354.9	0.00
50-64	157,151		182,690	11,352.9	0.00
65+	307,836		382,442	23,206.4	0.00
Mechanical ventilation					
6 Months - 4	85,715		92,151	5,905.6	0.00
5-17	148,664		155,062	9,974.4	0.00
18-49	198,082		211,917	13,520.6	0.00
50-64	170,602		198,821	12,547.7	0.00
65+	326,747		408,998	25,410.4	0.00
Critical Care					
6 Months - 4	84,534		90,684	5,804.1	0.00
5-17	147,633		153,801	9,881.8	0.00
18-49	189,629		201,537	12,791.4	0.00
50-64	148,233		169,822	10,568.7	0.00
65+	237,698		294,386	17,851.8	0.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	85,841		92,324	5,918.0	0.00
5-17	148,810		155,254	9,988.2	0.00
18-49	199,359		213,602	13,636.2	0.00
50-64	174,801		204,583	12,935.5	0.00
65+	339,160		425,599	26,527.4	0.00
Death					
6 Months - 4	85,843		92,327	5,918.1	0.00
5-17	148,806		155,254	9,988.0	0.00
18-49	199,247		213,488	13,624.8	0.00
50-64	173,993		203,671	12,844.3	0.00
65+	332,501		417,920	25,723.2	0.00
Discharge from hospital alive					
6 Months - 4	83,811		89,831	5,746.4	0.00
5-17	147,095		153,192	9,837.6	0.00
18-49	190,466		202,511	12,827.8	0.00
50-64	152,959		175,276	10,859.0	0.00
65+	260,840		320,473	19,245.1	0.00
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	2,768		2,835		
5-17	2,267		2,322		
18-49	12,267		12,734		
50-64	32,098		34,332		
65+	119,674		128,160		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	13		14		
5-17	28		30		
18-49	290		310		
50-64	791		888		
65+	1,122		1,302		
Supplemental oxygen					
6 Months - 4	12,604		12,910		
5-17	14,775		15,011		
18-49	19,038		19,291		
50-64	21,837		22,584		
65+	42,467		44,490		
Mechanical ventilation					
6 Months - 4	179		183		
5-17	198		205		
18-49	1,774		1,815		
50-64	5,780		6,003		
65+	16,804		17,262		
Critical Care					
6 Months - 4	1,672		1,715		
5-17	1,498		1,541		
18-49	12,112		12,699		
50-64	33,456		36,103		
65+	125,566		135,351		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	5		5		
5-17	7		8		
18-49	59		59		
50-64	33		33		
65+	34		34		
Death					
6 Months - 4	1		1		
5-17	10		10		
18-49	228		228		
50-64	1,193		1,193		
65+	8,830		8,830		
Discharge from hospital alive					
6 Months - 4	2,525		2,586		
5-17	2,119		2,171		
18-49	11,236		11,642		
50-64	28,530		30,344		
65+	101,543		108,000		
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
6 Months - 4	7		7		
5-17	1		1		
18-49	20		20		
50-64	27		27		
65+	39		39		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	0		0		
5-17	0		0		
18-49	8		8		
50-64	5		5		
65+	2		2		
Supplemental oxygen					
6 Months - 4	394		395		
5-17	635		635		
18-49	1,487		1,489		
50-64	1,008		1,008		
65+	522		522		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	1		1		
50-64	1		1		
65+	6		6		
Critical Care					
6 Months - 4	5		5		
5-17	12		12		
18-49	48		48		
50-64	45		45		
65+	33		33		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	0		0		
Death					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	0		0		
Discharge from hospital alive					
6 Months - 4	7		7		
5-17	1		1		
18-49	20		20		
50-64	27		27		
65+	31		31		
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	8		8		
5-17	4		4		
18-49	22		22		
50-64	13		13		
65+	27		27		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	0		0		
5-17	0		0		
18-49	2		2		
50-64	0		0		
65+	1		1		
Supplemental oxygen					
6 Months - 4	10		10		
5-17	18		18		
18-49	42		42		
50-64	24		24		
65+	17		17		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	1		1		
50-64	1		1		
65+	2		2		
Critical Care					
6 Months - 4	4		4		
5-17	4		4		
18-49	16		16		
50-64	21		21		
65+	28		28		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	1		1		
65+	0		0		
Death					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	1		1		
Discharge from hospital alive					
6 Months - 4	5		5		
5-17	4		4		
18-49	17		17		
50-64	11		11		
65+	20		20		
MAARI - Treated Day of Diagnosis					
Hospitalization					
6 Months - 4	17,310		17,464	1,366.7	1.01
5-17	48,415		48,719	3,830.4	1.01
18-49	84,166		84,450	6,589.2	1.00
50-64	32,354		32,481	2,523.1	1.00
65+	11,030		11,077	845.7	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	17,315		17,469	1,372.0	1.01
5-17	48,415		48,719	3,835.3	1.01
18-49	84,179		84,462	6,611.4	1.00
50-64	32,370		32,497	2,540.3	1.00
65+	11,058		11,105	867.7	1.00
Supplemental oxygen					
6 Months - 4	17,021		17,164	1,338.7	1.01
5-17	47,866		48,165	3,777.0	1.01
18-49	82,807		83,078	6,471.5	1.00
50-64	31,431		31,555	2,448.9	1.00
65+	10,561		10,608	818.8	1.00
Mechanical ventilation					
6 Months - 4	17,315		17,469	1,371.8	1.01
5-17	48,415		48,719	3,835.5	1.01
18-49	84,181		84,465	6,620.8	1.00
50-64	32,376		32,503	2,549.5	1.00
65+	11,060		11,107	870.3	1.00
Critical Care					
6 Months - 4	17,312		17,466	1,368.8	1.01
5-17	48,407		48,711	3,831.7	1.01
18-49	84,142		84,426	6,597.9	1.00
50-64	32,336		32,463	2,525.9	1.00
65+	11,040		11,087	850.6	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	17,315		17,469	1,372.0	1.01
5-17	48,415		48,719	3,835.7	1.01
18-49	84,182		84,466	6,622.2	1.00
50-64	32,377		32,504	2,551.5	1.00
65+	11,060		11,107	872.1	1.00
Death					
6 Months - 4	17,315		17,469	1,372.0	1.01
5-17	48,415		48,719	3,835.7	1.01
18-49	84,180		84,464	6,622.1	1.00
50-64	32,377		32,504	2,551.5	1.00
65+	11,060		11,107	871.1	1.00
Discharge from hospital alive					
6 Months - 4	17,310		17,464	1,368.5	1.01
5-17	48,415		48,719	3,831.1	1.01
18-49	84,166		84,450	6,591.5	1.00
50-64	32,354		32,481	2,524.5	1.00
65+	11,034		11,081	847.9	1.00
MAARI - Treated After Day of Diagnosis					
Hospitalization					
6 Months - 4	1,893		1,895	143.3	1.00
5-17	3,991		3,997	303.3	1.00
18-49	6,230		6,232	468.6	1.00
50-64	2,278		2,278	169.1	1.00
65+	1,456		1,456	106.4	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	1,899		1,901	144.4	1.00
5-17	3,998		4,004	304.7	1.00
18-49	6,270		6,272	475.1	1.00
50-64	2,311		2,312	174.1	1.00
65+	1,522		1,522	114.4	1.00
Supplemental oxygen					
6 Months - 4	1,823		1,825	137.9	1.00
5-17	3,893		3,898	295.5	1.00
18-49	6,019		6,021	452.8	1.00
50-64	2,109		2,110	157.1	1.00
65+	1,298		1,298	95.9	1.00
Mechanical ventilation					
6 Months - 4	1,899		1,901	144.4	1.00
5-17	3,998		4,004	304.7	1.00
18-49	6,275		6,277	476.1	1.00
50-64	2,312		2,313	175.0	1.00
65+	1,518		1,518	114.6	1.00
Critical Care					
6 Months - 4	1,887		1,889	143.0	1.00
5-17	3,983		3,989	302.9	1.00
18-49	6,221		6,223	470.5	1.00
50-64	2,245		2,245	167.7	1.00
65+	1,433		1,433	105.8	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	1,899		1,901	144.4	1.00
5-17	3,998		4,004	304.7	1.00
18-49	6,275		6,277	476.1	1.00
50-64	2,312		2,313	175.1	1.00
65+	1,523		1,523	115.2	1.00
Death					
6 Months - 4	1,899		1,901	144.4	1.00
5-17	3,998		4,004	304.7	1.00
18-49	6,275		6,277	476.1	1.00
50-64	2,313		2,314	175.1	1.00
65+	1,523		1,523	115.1	1.00
Discharge from hospital alive					
6 Months - 4	1,895		1,897	143.7	1.00
5-17	3,991		3,997	303.5	1.00
18-49	6,234		6,236	469.6	1.00
50-64	2,279		2,279	169.5	1.00
65+	1,467		1,467	107.7	1.00
MAARI - Treated 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	2,822		2,827	208.7	1.00
5-17	6,007		6,017	447.1	1.00
18-49	8,802		8,809	649.1	1.00
50-64	3,435		3,436	249.8	1.00
65+	2,466		2,466	175.8	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	2,880		2,885	214.0	1.00
5-17	6,074		6,084	453.1	1.00
18-49	9,085		9,092	674.0	1.00
50-64	3,889		3,891	285.0	1.00
65+	3,317		3,317	240.4	1.00
Supplemental oxygen					
6 Months - 4	2,741		2,746	202.1	1.00
5-17	5,885		5,893	437.1	1.00
18-49	8,651		8,657	637.6	1.00
50-64	3,485		3,487	252.9	1.00
65+	2,803		2,803	198.8	1.00
Mechanical ventilation					
6 Months - 4	2,877		2,882	213.8	1.00
5-17	6,073		6,083	453.0	1.00
18-49	9,083		9,090	675.2	1.00
50-64	3,882		3,884	286.0	1.00
65+	3,284		3,284	238.9	1.00
Critical Care					
6 Months - 4	2,839		2,844	210.2	1.00
5-17	6,015		6,025	448.0	1.00
18-49	8,821		8,828	654.2	1.00
50-64	3,431		3,432	250.5	1.00
65+	2,492		2,492	177.8	1.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	2,880		2,885	214.0	1.00
5-17	6,074		6,084	453.1	1.00
18-49	9,090		9,097	675.7	1.00
50-64	3,892		3,894	287.0	1.00
65+	3,319		3,319	242.1	1.00
Death					
6 Months - 4	2,880		2,885	214.0	1.00
5-17	6,074		6,084	453.1	1.00
18-49	9,090		9,097	675.7	1.00
50-64	3,893		3,895	287.0	1.00
65+	3,318		3,318	241.6	1.00
Discharge from hospital alive					
6 Months - 4	2,832		2,837	209.9	1.00
5-17	6,009		6,019	447.5	1.00
18-49	8,825		8,832	651.5	1.00
50-64	3,453		3,454	251.5	1.00
65+	2,567		2,567	183.4	1.00
MAARI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	834,776		1,243,948	79,095.9	0.00
5-17	1,536,524		2,001,436	128,218.2	0.00
18-49	2,334,768		2,703,437	171,460.8	0.00
50-64	1,009,546		1,154,651	73,223.7	0.00
65+	777,801		902,479	56,861.1	0.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	836,269		1,247,350	79,403.7	0.00
5-17	1,538,350		2,004,457	128,526.5	0.00
18-49	2,339,856		2,710,225	172,169.0	0.00
50-64	1,014,988		1,161,452	73,766.2	0.00
65+	793,347		921,721	58,564.7	0.00
Supplemental oxygen					
6 Months - 4	823,524		1,217,771	77,176.4	0.00
5-17	1,520,697		1,974,614	126,344.0	0.00
18-49	2,301,537		2,658,953	168,674.9	0.00
50-64	987,291		1,125,514	71,420.4	0.00
65+	764,600		884,507	55,994.9	0.00
Mechanical ventilation					
6 Months - 4	836,216		1,247,216	79,393.2	0.00
5-17	1,538,307		2,004,392	128,526.2	0.00
18-49	2,340,803		2,711,588	172,430.8	0.00
50-64	1,016,156		1,163,170	74,135.2	0.00
65+	793,373		922,129	58,772.6	0.00
Critical Care					
6 Months - 4	835,298		1,245,118	79,212.4	0.00
5-17	1,537,071		2,002,385	128,326.8	0.00
18-49	2,335,600		2,704,643	171,761.7	0.00
50-64	1,009,374		1,154,460	73,310.8	0.00
65+	776,719		901,208	56,914.3	0.00

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	836,284		1,247,387	79,407.6	0.00
5-17	1,538,380		2,004,523	128,538.3	0.00
18-49	2,341,077		2,711,968	172,467.1	0.00
50-64	1,016,815		1,164,062	74,215.9	0.00
65+	794,804		923,869	58,935.1	0.00
Death					
6 Months - 4	836,283		1,247,386	79,407.8	0.00
5-17	1,538,379		2,004,521	128,538.1	0.00
18-49	2,341,066		2,711,957	172,465.4	0.00
50-64	1,016,735		1,163,958	74,202.1	0.00
65+	794,155		923,138	58,835.0	0.00
Discharge from hospital alive					
6 Months - 4	834,937		1,244,369	79,137.5	0.00
5-17	1,536,660		2,001,684	128,249.3	0.00
18-49	2,335,310		2,704,227	171,563.7	0.00
50-64	1,010,234		1,155,531	73,313.2	0.00
65+	779,940		905,045	57,086.4	0.00
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	3,463		3,527		
5-17	3,148		3,181		
18-49	8,807		8,906		
50-64	9,865		9,988		
65+	22,212		22,509		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	36		40		
5-17	66		70		
18-49	1,761		1,794		
50-64	2,572		2,659		
65+	2,055		2,181		
Supplemental oxygen					
6 Months - 4	28,749		30,099		
5-17	29,542		30,340		
18-49	52,806		54,080		
50-64	38,286		39,384		
65+	39,182		40,308		
Mechanical ventilation					
6 Months - 4	171		179		
5-17	140		141		
18-49	405		413		
50-64	928		940		
65+	1,823		1,831		
Critical Care					
6 Months - 4	2,293		2,339		
5-17	2,190		2,216		
18-49	7,600		7,699		
50-64	10,008		10,192		
65+	23,389		23,795		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	1		1		
5-17	4		4		
18-49	22		22		
50-64	13		13		
65+	11		11		
Death					
6 Months - 4	5		5		
5-17	11		11		
18-49	49		49		
50-64	141		141		
65+	866		866		
Discharge from hospital alive					
6 Months - 4	3,035		3,093		
5-17	2,894		2,926		
18-49	8,007		8,086		
50-64	8,980		9,077		
65+	19,540		19,757		
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
6 Months - 4	5		5		
5-17	0		0		
18-49	16		16		
50-64	23		23		
65+	30		30		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	0		0		
5-17	0		0		
18-49	4		4		
50-64	7		7		
65+	2		2		
Supplemental oxygen					
6 Months - 4	305		306		
5-17	554		554		
18-49	1,389		1,390		
50-64	949		949		
65+	501		501		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	1		1		
50-64	1		1		
65+	0		0		
Critical Care					
6 Months - 4	3		3		
5-17	8		8		
18-49	40		40		
50-64	41		41		
65+	20		20		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	0		0		
Death					
6 Months - 4	0		0		
5-17	0		0		
18-49	2		2		
50-64	0		0		
65+	0		0		
Discharge from hospital alive					
6 Months - 4	5		5		
5-17	0		0		
18-49	16		16		
50-64	23		23		
65+	26		26		
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	8		8		
5-17	4		4		
18-49	20		20		
50-64	11		11		
65+	24		24		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
6 Months - 4	0		0		
5-17	0		0		
18-49	2		2		
50-64	0		0		
65+	1		1		
Supplemental oxygen					
6 Months - 4	36		36		
5-17	54		54		
18-49	76		76		
50-64	53		53		
65+	29		29		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	1		1		
65+	4		4		
Critical Care					
6 Months - 4	5		5		
5-17	6		6		
18-49	16		16		
50-64	20		20		
65+	35		35		

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	1		1		
65+	0		0		
Death					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	1		1		
Discharge from hospital alive					
6 Months - 4	5		5		
5-17	4		4		
18-49	15		15		
50-64	10		10		
65+	17		17		

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Data are not presented in shaded cells due to their inability to be calculated

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI						
Total						
6 Months - 4	3.16	5.91				1,671,542.0
5-17	3.00	5.59				5,743,589.6
18-49	2.83	5.05				16,487,203.7
50-64	2.71	5.03				8,684,829.1
65+	2.00	4.93				7,084,637.4
Treated on Day of Diagnosis						
6 Months - 4	6.00	5.94				
5-17	5.63	5.59				
18-49	5.08	5.06				
50-64	5.08	5.06				
65+	5.10	5.09				
Treated Day After Diagnosis						
6 Months - 4	5.79	5.77				
5-17	5.64	5.62				
18-49	5.09	5.09				
50-64	5.02	5.01				
65+	5.05	5.05				
Treated 1-5 Days After Diagnosis						
6 Months - 4	5.75	5.73				
5-17	5.62	5.60				
18-49	4.99	4.98				
50-64	4.69	4.69				
65+	4.37	4.37				

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
NOT Treated Within 5 Days of Diagnosis						
6 Months - 4	0.00					
5-17	0.00					
18-49	0.00					
50-64	0.00					
65+	0.00					
P and I						
Total						
6 Months - 4	1.28	5.92				1,665,148.8
5-17	1.58	5.59				5,734,107.5
18-49	1.63	5.05				16,473,815.3
50-64	0.85	5.03				8,666,686.0
65+	0.19	4.92				7,040,067.0
Treated on Day of Diagnosis						
6 Months - 4	6.01	5.94				
5-17	5.63	5.59				
18-49	5.08	5.06				
50-64	5.08	5.06				
65+	5.10	5.09				
Treated Day After Diagnosis						
6 Months - 4	5.81	5.79				
5-17	5.63	5.62				
18-49	5.09	5.09				
50-64	5.03	5.03				
65+	5.08	5.08				

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Treated 1-5 Days After Diagnosis						
6 Months - 4	5.77	5.74				
5-17	5.62	5.61				
18-49	4.98	4.98				
50-64	4.69	4.69				
65+	4.38	4.37				
NOT Treated Within 5 Days of Diagnosis						
6 Months - 4	0.00					
5-17	0.00					
18-49	0.00					
50-64	0.00					
65+	0.00					
MAARI						
Total						
6 Months - 4	0.14	5.97				1,559,012.4
5-17	0.19	5.62				5,572,421.6
18-49	0.19	5.09				16,257,944.4
50-64	0.17	5.07				8,586,147.2
65+	0.09	5.01				7,004,865.2
Treated on Day of Diagnosis						
6 Months - 4	6.02	5.97				
5-17	5.65	5.61				
18-49	5.11	5.09				
50-64	5.12	5.09				
65+	5.17	5.15				

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Treated Day After Diagnosis						
6 Months - 4	5.92	5.92				
5-17	5.71	5.69				
18-49	5.14	5.13				
50-64	5.09	5.09				
65+	5.10	5.10				
Treated 1-5 Days After Diagnosis						
6 Months - 4	6.01	6.00				
5-17	5.74	5.72				
18-49	5.11	5.11				
50-64	4.89	4.89				
65+	4.55	4.55				
NOT Treated Within 5 Days of Diagnosis						
6 Months - 4	0.00					
5-17	0.00					
18-49	0.00					
50-64	0.00					
65+	0.00					
ILI - Treated Day of Diagnosis						
Hospitalization						
6 Months - 4	6.00	5.94	113	5.28	67.49	
5-17	5.63	5.59	117	2.16	27.46	
18-49	5.08	5.06	644	7.34	93.97	
50-64	5.08	5.06	485	14.97	192.51	
65+	5.10	5.09	428	41.43	542.80	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Bilevel Positive Airway Pressure (BiPAP)						
6 Months - 4	6.00	5.94	0	0.00	0.00	
5-17	5.63	5.59	10	0.18	2.34	
18-49	5.08	5.06	258	2.94	37.52	
50-64	5.08	5.06	265	8.17	104.46	
65+	5.10	5.09	119	11.49	147.02	
Supplemental oxygen						
6 Months - 4	6.00	5.94	263	12.52	160.58	
5-17	5.63	5.59	319	5.96	75.94	
18-49	5.08	5.06	778	9.01	115.64	
50-64	5.08	5.06	500	15.91	204.80	
65+	5.11	5.10	252	25.56	331.36	
Mechanical ventilation						
6 Months - 4	6.00	5.94	3	0.14	1.78	
5-17	5.63	5.59	3	0.06	0.70	
18-49	5.08	5.06	26	0.30	3.78	
50-64	5.08	5.06	29	0.89	11.39	
65+	5.10	5.09	25	2.41	30.78	
Critical Care						
6 Months - 4	6.00	5.94	60	2.80	35.77	
5-17	5.63	5.59	76	1.40	17.83	
18-49	5.08	5.06	399	4.55	58.14	
50-64	5.08	5.06	396	12.23	157.01	
65+	5.11	5.09	365	35.32	460.51	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Extracorporeal membrane oxygenation (ECMO)						
6 Months - 4	6.00	5.94	0	0.00	0.00	
5-17	5.63	5.59	0	0.00	0.00	
18-49	5.08	5.06	1	0.01	0.15	
50-64	5.08	5.06	2	0.06	0.79	
65+	5.10	5.09	0	0.00	0.00	
Death						
6 Months - 4	6.00	5.94	1	0.05	0.59	
5-17	5.63	5.59	1	0.02	0.23	
18-49	5.08	5.06	2	0.02	0.29	
50-64	5.08	5.06	6	0.19	2.36	
65+	5.10	5.09	23	2.22	28.29	
Discharge from hospital alive						
6 Months - 4	6.00	5.94	71	3.32	42.35	
5-17	5.63	5.59	96	1.77	22.53	
18-49	5.08	5.06	582	6.63	84.89	
50-64	5.08	5.06	456	14.07	180.90	
65+	5.10	5.09	387	37.44	489.19	
ILI - Treated Day After Diagnosis						
Hospitalization						
6 Months - 4	5.80	5.78	13	7.06	93.26	
5-17	5.63	5.61	17	5.13	67.68	
18-49	5.09	5.09	93	17.59	234.55	
50-64	5.03	5.03	55	28.06	378.01	
65+	5.07	5.07	69	50.70	695.56	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	5.79	5.77	0	0.00	0.00	
5-17	5.64	5.62	0	0.00	0.00	
18-49	5.09	5.08	20	3.75	49.57	
50-64	5.02	5.01	19	9.51	126.08	
65+	5.05	5.05	24	16.82	224.30	
Supplemental oxygen						
6 Months - 4	5.81	5.79	24	13.51	178.70	
5-17	5.64	5.62	21	6.51	85.92	
18-49	5.09	5.09	60	11.82	157.32	
50-64	5.03	5.02	41	22.87	307.58	
65+	5.08	5.08	39	32.07	436.24	
Mechanical ventilation						
6 Months - 4	5.79	5.77	0	0.00	0.00	
5-17	5.64	5.62	0	0.00	0.00	
18-49	5.09	5.09	3	0.56	7.42	
50-64	5.02	5.01	5	2.50	33.09	
65+	5.05	5.05	6	4.21	55.97	
Critical Care						
6 Months - 4	5.79	5.77	10	5.44	71.74	
5-17	5.63	5.61	11	3.33	43.81	
18-49	5.09	5.09	33	6.26	82.94	
50-64	5.03	5.03	39	20.21	270.46	
65+	5.07	5.07	60	45.11	614.12	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	5.79	5.77	0	0.00	0.00	
5-17	5.64	5.62	0	0.00	0.00	
18-49	5.09	5.09	0	0.00	0.00	
50-64	5.02	5.01	0	0.00	0.00	
65+	5.05	5.05	0	0.00	0.00	
Death						
6 Months - 4	5.79	5.77	0	0.00	0.00	
5-17	5.64	5.62	0	0.00	0.00	
18-49	5.09	5.09	0	0.00	0.00	
50-64	5.02	5.01	2	1.00	13.22	
65+	5.05	5.05	6	4.20	55.71	
Discharge from hospital alive						
6 Months - 4	5.80	5.78	6	3.25	42.83	
5-17	5.63	5.61	10	3.02	39.76	
18-49	5.09	5.09	79	14.93	198.89	
50-64	5.03	5.03	45	22.94	308.01	
65+	5.07	5.07	61	44.40	606.97	
ILI - Treated 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	5.78	5.75	18	8.38	111.66	
5-17	5.64	5.63	19	4.82	64.02	
18-49	5.06	5.05	116	18.63	250.81	
50-64	4.92	4.92	73	28.96	395.24	
65+	4.75	4.75	110	52.36	732.36	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	5.75	5.73	0	0.00	0.00	
5-17	5.62	5.60	0	0.00	0.00	
18-49	4.99	4.98	25	3.83	51.23	
50-64	4.70	4.69	37	12.31	166.89	
65+	4.37	4.37	48	15.97	220.08	
Supplemental oxygen						
6 Months - 4	5.78	5.75	31	14.75	196.95	
5-17	5.63	5.61	27	6.96	92.66	
18-49	5.00	4.99	73	11.83	159.15	
50-64	4.72	4.72	73	27.57	379.02	
65+	4.38	4.38	114	45.38	642.62	
Mechanical ventilation						
6 Months - 4	5.75	5.72	0	0.00	0.00	
5-17	5.62	5.60	0	0.00	0.00	
18-49	4.99	4.99	3	0.46	6.14	
50-64	4.70	4.70	10	3.34	45.09	
65+	4.38	4.37	16	5.38	73.90	
Critical Care						
6 Months - 4	5.76	5.74	11	5.07	67.44	
5-17	5.64	5.62	13	3.29	43.67	
18-49	5.05	5.04	42	6.74	90.07	
50-64	4.90	4.90	60	23.75	323.10	
65+	4.69	4.69	120	57.25	802.14	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	5.75	5.73	0	0.00	0.00	
5-17	5.62	5.60	0	0.00	0.00	
18-49	4.99	4.98	0	0.00	0.00	
50-64	4.70	4.69	0	0.00	0.00	
65+	4.37	4.37	0	0.00	0.00	
Death						
6 Months - 4	5.75	5.73	0	0.00	0.00	
5-17	5.62	5.60	0	0.00	0.00	
18-49	4.99	4.98	0	0.00	0.00	
50-64	4.69	4.69	4	1.33	17.94	
65+	4.37	4.37	16	5.32	72.99	
Discharge from hospital alive						
6 Months - 4	5.76	5.74	8	3.70	49.17	
5-17	5.64	5.62	11	2.79	37.00	
18-49	5.05	5.05	100	16.02	215.42	
50-64	4.91	4.91	62	24.39	332.08	
65+	4.70	4.70	106	47.96	670.46	
ILI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	0.00		68	3.18	49.16	
5-17	0.00		82	1.59	24.39	
18-49	0.00		461	6.13	95.21	
50-64	0.00		350	11.55	179.70	
65+	0.00		669	36.98	585.51	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	0.00		0	0.00	0.00	
5-17	0.00		4	0.08	1.18	
18-49	0.00		169	2.23	34.50	
50-64	0.00		245	7.79	120.86	
65+	0.00		151	7.32	114.09	
Supplemental oxygen						
6 Months - 4	0.00		146	6.98	108.08	
5-17	0.00		168	3.30	50.75	
18-49	0.00		344	4.68	72.58	
50-64	0.00		318	10.64	165.61	
65+	0.00		445	23.17	364.90	
Mechanical ventilation						
6 Months - 4	0.00		1	0.05	0.72	
5-17	0.00		1	0.02	0.30	
18-49	0.00		10	0.13	2.04	
50-64	0.00		37	1.18	18.27	
65+	0.00		106	5.20	80.84	
Critical Care						
6 Months - 4	0.00		42	1.96	30.24	
5-17	0.00		45	0.87	13.36	
18-49	0.00		265	3.53	54.66	
50-64	0.00		260	8.60	133.60	
65+	0.00		536	30.04	473.46	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	0.00		0	0.00	0.00	
5-17	0.00		0	0.00	0.00	
18-49	0.00		2	0.03	0.41	
50-64	0.00		2	0.06	0.98	
65+	0.00		0	0.00	0.00	
Death						
6 Months - 4	0.00		2	0.09	1.43	
5-17	0.00		1	0.02	0.30	
18-49	0.00		14	0.18	2.85	
50-64	0.00		60	1.91	29.46	
65+	0.00		311	15.12	236.14	
Discharge from hospital alive						
6 Months - 4	0.00		56	2.62	40.42	
5-17	0.00		73	1.41	21.70	
18-49	0.00		399	5.30	82.31	
50-64	0.00		320	10.53	163.69	
65+	0.00		601	32.57	515.08	
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
P and I - Treated Day of Diagnosis						
Hospitalization						
6 Months - 4	6.01	5.94	111	5.21	66.63	
5-17	5.63	5.59	116	2.14	27.25	
18-49	5.08	5.06	654	7.43	95.16	
50-64	5.08	5.06	495	15.18	195.34	
65+	5.10	5.09	445	42.62	559.12	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	6.01	5.94	0	0.00	0.00	
5-17	5.63	5.59	8	0.15	1.88	
18-49	5.08	5.06	261	2.96	37.85	
50-64	5.08	5.06	270	8.28	105.77	
65+	5.10	5.09	121	11.55	147.80	
Supplemental oxygen						
6 Months - 4	6.00	5.94	267	12.78	163.89	
5-17	5.63	5.59	314	5.87	74.83	
18-49	5.08	5.06	792	9.15	117.42	
50-64	5.08	5.06	515	16.29	209.75	
65+	5.10	5.09	255	25.61	332.03	
Mechanical ventilation						
6 Months - 4	6.01	5.94	3	0.14	1.79	
5-17	5.63	5.59	3	0.06	0.70	
18-49	5.08	5.06	28	0.32	4.05	
50-64	5.08	5.06	31	0.95	12.10	
65+	5.10	5.09	27	2.58	32.89	
Critical Care						
6 Months - 4	6.01	5.94	58	2.72	34.75	
5-17	5.63	5.59	75	1.39	17.61	
18-49	5.08	5.06	410	4.66	59.58	
50-64	5.08	5.06	403	12.37	158.84	
65+	5.10	5.09	376	35.99	469.65	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	6.01	5.94	0	0.00	0.00	
5-17	5.63	5.59	0	0.00	0.00	
18-49	5.08	5.06	1	0.01	0.14	
50-64	5.08	5.06	2	0.06	0.78	
65+	5.10	5.09	0	0.00	0.00	
Death						
6 Months - 4	6.01	5.94	1	0.05	0.60	
5-17	5.63	5.59	2	0.04	0.47	
18-49	5.08	5.06	2	0.02	0.29	
50-64	5.08	5.06	6	0.18	2.34	
65+	5.10	5.09	29	2.77	35.28	
Discharge from hospital alive						
6 Months - 4	6.01	5.94	68	3.19	40.77	
5-17	5.63	5.59	95	1.75	22.31	
18-49	5.08	5.06	592	6.72	86.10	
50-64	5.08	5.06	466	14.29	183.79	
65+	5.10	5.09	402	38.48	503.32	
P and I - Treated After Day of Diagnosis						
Hospitalization						
6 Months - 4	5.82	5.79	13	7.01	92.72	
5-17	5.62	5.61	17	5.13	67.62	
18-49	5.09	5.09	89	16.67	222.11	
50-64	5.05	5.05	60	29.93	403.77	
65+	5.10	5.10	60	42.22	575.26	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	5.81	5.79	0	0.00	0.00	
5-17	5.63	5.62	0	0.00	0.00	
18-49	5.09	5.09	21	3.90	51.52	
50-64	5.03	5.03	20	9.78	129.70	
65+	5.08	5.08	26	17.33	230.91	
Supplemental oxygen						
6 Months - 4	5.83	5.80	24	13.45	178.04	
5-17	5.64	5.62	22	6.81	89.94	
18-49	5.09	5.09	64	12.50	166.36	
50-64	5.05	5.04	42	22.86	307.47	
65+	5.10	5.10	35	27.54	372.34	
Mechanical ventilation						
6 Months - 4	5.81	5.79	0	0.00	0.00	
5-17	5.63	5.62	0	0.00	0.00	
18-49	5.09	5.09	2	0.37	4.89	
50-64	5.03	5.03	5	2.44	32.34	
65+	5.08	5.08	6	4.01	53.14	
Critical Care						
6 Months - 4	5.81	5.79	10	5.40	71.33	
5-17	5.63	5.61	11	3.32	43.77	
18-49	5.09	5.09	34	6.38	84.54	
50-64	5.05	5.05	44	22.26	298.31	
65+	5.10	5.10	47	33.45	451.49	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	5.81	5.79	0	0.00	0.00	
5-17	5.63	5.62	0	0.00	0.00	
18-49	5.09	5.09	0	0.00	0.00	
50-64	5.03	5.03	0	0.00	0.00	
65+	5.08	5.08	0	0.00	0.00	
Death						
6 Months - 4	5.81	5.79	0	0.00	0.00	
5-17	5.63	5.62	0	0.00	0.00	
18-49	5.09	5.09	0	0.00	0.00	
50-64	5.03	5.03	2	0.98	12.91	
65+	5.08	5.08	5	3.33	44.09	
Discharge from hospital alive						
6 Months - 4	5.81	5.79	6	3.23	42.55	
5-17	5.62	5.61	10	3.02	39.73	
18-49	5.09	5.09	75	14.04	186.85	
50-64	5.04	5.04	48	23.92	321.29	
65+	5.11	5.11	53	36.96	501.89	
P and I - Treated 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	5.80	5.78	19	8.69	115.92	
5-17	5.65	5.63	21	5.27	70.02	
18-49	5.06	5.06	115	18.13	244.06	
50-64	4.95	4.95	78	29.73	406.25	
65+	4.83	4.83	102	47.07	656.37	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	5.77	5.74	0	0.00	0.00	
5-17	5.62	5.61	0	0.00	0.00	
18-49	4.98	4.98	27	4.03	53.91	
50-64	4.70	4.69	42	13.17	179.03	
65+	4.38	4.37	51	15.32	211.79	
Supplemental oxygen						
6 Months - 4	5.79	5.77	30	13.99	187.03	
5-17	5.63	5.62	30	7.65	102.08	
18-49	4.99	4.99	77	12.17	163.93	
50-64	4.72	4.72	78	27.76	382.35	
65+	4.38	4.37	124	44.75	635.57	
Mechanical ventilation						
6 Months - 4	5.77	5.74	0	0.00	0.00	
5-17	5.62	5.61	0	0.00	0.00	
18-49	4.99	4.98	2	0.30	3.99	
50-64	4.70	4.70	10	3.14	42.55	
65+	4.39	4.39	18	5.47	75.35	
Critical Care						
6 Months - 4	5.78	5.76	11	4.97	66.23	
5-17	5.64	5.62	15	3.75	49.87	
18-49	5.05	5.05	45	7.06	94.46	
50-64	4.92	4.92	68	25.65	349.79	
65+	4.71	4.71	104	45.57	634.92	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	5.77	5.74	0	0.00	0.00	
5-17	5.62	5.61	0	0.00	0.00	
18-49	4.98	4.98	0	0.00	0.00	
50-64	4.69	4.69	0	0.00	0.00	
65+	4.38	4.37	0	0.00	0.00	
Death						
6 Months - 4	5.77	5.74	0	0.00	0.00	
5-17	5.62	5.61	0	0.00	0.00	
18-49	4.98	4.98	0	0.00	0.00	
50-64	4.69	4.69	4	1.25	16.94	
65+	4.38	4.37	20	6.01	82.61	
Discharge from hospital alive						
6 Months - 4	5.79	5.76	10	4.54	60.46	
5-17	5.65	5.63	13	3.26	43.28	
18-49	5.06	5.05	99	15.56	209.21	
50-64	4.93	4.93	67	25.27	344.65	
65+	4.78	4.78	97	42.43	591.10	
P and I - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	0.00		436	4.87	76.10	
5-17	0.00		519	3.39	52.82	
18-49	0.00		3,334	16.55	261.40	
50-64	0.00		7,386	43.07	695.41	
65+	0.00		23,219	77.07	1,283.84	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	0.00		30	0.32	5.07	
5-17	0.00		84	0.54	8.41	
18-49	0.00		954	4.47	70.20	
50-64	0.00		2,663	13.07	208.00	
65+	0.00		3,954	9.32	150.20	
Supplemental oxygen						
6 Months - 4	0.00		1,183	14.85	233.23	
5-17	0.00		1,307	9.30	145.34	
18-49	0.00		2,383	12.22	192.88	
50-64	0.00		5,389	29.50	474.68	
65+	0.00		16,755	43.81	722.00	
Mechanical ventilation						
6 Months - 4	0.00		41	0.44	6.94	
5-17	0.00		45	0.29	4.51	
18-49	0.00		399	1.88	29.51	
50-64	0.00		1,495	7.52	119.15	
65+	0.00		5,026	12.29	197.79	
Critical Care						
6 Months - 4	0.00		290	3.20	49.96	
5-17	0.00		351	2.28	35.52	
18-49	0.00		2,460	12.21	192.32	
50-64	0.00		6,088	35.85	576.04	
65+	0.00		19,360	65.76	1,084.48	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	0.00		1	0.01	0.17	
5-17	0.00		0	0.00	0.00	
18-49	0.00		9	0.04	0.66	
50-64	0.00		20	0.10	1.55	
65+	0.00		13	0.03	0.49	
Death						
6 Months - 4	0.00		4	0.04	0.68	
5-17	0.00		5	0.03	0.50	
18-49	0.00		369	1.73	27.08	
50-64	0.00		2,500	12.27	194.64	
65+	0.00		19,947	47.73	775.45	
Discharge from hospital alive						
6 Months - 4	0.00		384	4.27	66.82	
5-17	0.00		468	3.05	47.57	
18-49	0.00		2,941	14.52	229.27	
50-64	0.00		6,683	38.13	615.43	
65+	0.00		20,418	63.71	1,060.95	
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
MAARI - Treated Day of Diagnosis						
Hospitalization						
6 Months - 4	6.02	5.97	89	5.10	65.12	
5-17	5.65	5.61	102	2.09	26.63	
18-49	5.11	5.09	629	7.45	95.46	
50-64	5.12	5.10	495	15.24	196.19	
65+	5.17	5.15	441	39.81	521.46	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	6.02	5.97	0	0.00	0.00	
5-17	5.65	5.61	9	0.18	2.35	
18-49	5.11	5.09	251	2.97	37.96	
50-64	5.12	5.09	284	8.74	111.80	
65+	5.17	5.15	116	10.45	133.69	
Supplemental oxygen						
6 Months - 4	6.02	5.97	194	11.30	144.92	
5-17	5.65	5.61	287	5.96	75.99	
18-49	5.11	5.10	737	8.87	113.88	
50-64	5.12	5.10	512	16.23	209.07	
65+	5.18	5.15	256	24.13	312.65	
Mechanical ventilation						
6 Months - 4	6.02	5.97	4	0.23	2.92	
5-17	5.65	5.61	3	0.06	0.78	
18-49	5.11	5.09	25	0.30	3.78	
50-64	5.12	5.09	32	0.98	12.55	
65+	5.17	5.15	32	2.88	36.77	
Critical Care						
6 Months - 4	6.02	5.97	52	2.98	37.99	
5-17	5.65	5.61	65	1.33	16.96	
18-49	5.11	5.09	397	4.70	60.17	
50-64	5.12	5.10	404	12.44	159.94	
65+	5.17	5.15	375	33.82	440.87	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	6.02	5.97	0	0.00	0.00	
5-17	5.65	5.61	0	0.00	0.00	
18-49	5.11	5.09	1	0.01	0.15	
50-64	5.12	5.09	2	0.06	0.78	
65+	5.17	5.15	0	0.00	0.00	
Death						
6 Months - 4	6.02	5.97	0	0.00	0.00	
5-17	5.65	5.61	1	0.02	0.26	
18-49	5.11	5.09	0	0.00	0.00	
50-64	5.12	5.09	7	0.22	2.74	
65+	5.17	5.15	28	2.52	32.14	
Discharge from hospital alive						
6 Months - 4	6.02	5.97	56	3.21	40.92	
5-17	5.65	5.61	84	1.72	21.93	
18-49	5.11	5.09	580	6.87	87.99	
50-64	5.12	5.10	465	14.32	184.19	
65+	5.17	5.15	400	36.10	471.75	
MAARI - Treated After Day of Diagnosis						
Hospitalization						
6 Months - 4	5.93	5.92	11	5.80	76.76	
5-17	5.71	5.69	18	4.50	59.35	
18-49	5.14	5.13	91	14.60	194.20	
50-64	5.10	5.10	62	27.22	366.65	
65+	5.12	5.12	74	50.82	695.49	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	5.92	5.92	0	0.00	0.00	
5-17	5.71	5.69	0	0.00	0.00	
18-49	5.13	5.13	19	3.03	39.99	
50-64	5.09	5.09	25	10.81	143.60	
65+	5.10	5.10	22	14.45	192.31	
Supplemental oxygen						
6 Months - 4	5.93	5.92	24	13.15	174.04	
5-17	5.71	5.69	21	5.39	71.07	
18-49	5.14	5.14	71	11.79	156.80	
50-64	5.10	5.10	47	22.27	299.17	
65+	5.13	5.13	36	27.73	375.39	
Mechanical ventilation						
6 Months - 4	5.92	5.92	0	0.00	0.00	
5-17	5.71	5.69	0	0.00	0.00	
18-49	5.14	5.13	1	0.16	2.10	
50-64	5.09	5.09	3	1.30	17.14	
65+	5.10	5.10	4	2.64	34.90	
Critical Care						
6 Months - 4	5.92	5.91	8	4.24	55.94	
5-17	5.71	5.70	12	3.01	39.62	
18-49	5.14	5.14	31	4.98	65.89	
50-64	5.11	5.11	46	20.49	274.30	
65+	5.13	5.13	59	41.17	557.66	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	5.92	5.92	0	0.00	0.00	
5-17	5.71	5.69	0	0.00	0.00	
18-49	5.14	5.13	0	0.00	0.00	
50-64	5.09	5.09	0	0.00	0.00	
65+	5.10	5.10	0	0.00	0.00	
Death						
6 Months - 4	5.92	5.92	0	0.00	0.00	
5-17	5.71	5.69	0	0.00	0.00	
18-49	5.14	5.13	0	0.00	0.00	
50-64	5.09	5.09	2	0.86	11.42	
65+	5.10	5.10	6	3.94	52.13	
Discharge from hospital alive						
6 Months - 4	5.92	5.92	6	3.16	41.75	
5-17	5.71	5.69	12	3.00	39.54	
18-49	5.14	5.13	74	11.87	157.58	
50-64	5.10	5.10	53	23.26	312.68	
65+	5.13	5.13	64	43.63	594.24	
MAARI - Treated 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	6.02	6.01	21	7.43	100.62	
5-17	5.76	5.74	26	4.32	58.15	
18-49	5.16	5.15	137	15.55	211.06	
50-64	5.08	5.07	94	27.36	376.30	
65+	4.89	4.89	124	50.28	705.35	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	6.01	6.00	0	0.00	0.00	
5-17	5.74	5.72	0	0.00	0.00	
18-49	5.11	5.11	34	3.74	50.45	
50-64	4.89	4.89	50	12.85	175.44	
65+	4.55	4.55	47	14.17	195.51	
Supplemental oxygen						
6 Months - 4	6.03	6.02	41	14.93	202.87	
5-17	5.74	5.73	35	5.94	80.07	
18-49	5.12	5.12	105	12.13	164.68	
50-64	4.93	4.92	88	25.24	347.96	
65+	4.57	4.57	104	37.10	523.14	
Mechanical ventilation						
6 Months - 4	6.01	5.99	0	0.00	0.00	
5-17	5.74	5.72	0	0.00	0.00	
18-49	5.11	5.11	1	0.11	1.48	
50-64	4.90	4.90	8	2.06	27.97	
65+	4.56	4.56	13	3.96	54.42	
Critical Care						
6 Months - 4	6.02	6.01	14	4.92	66.60	
5-17	5.75	5.74	17	2.82	37.95	
18-49	5.15	5.15	49	5.55	74.90	
50-64	5.07	5.06	77	22.44	307.39	
65+	4.83	4.83	126	50.56	708.66	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	6.01	6.00	0	0.00	0.00	
5-17	5.74	5.72	0	0.00	0.00	
18-49	5.11	5.11	0	0.00	0.00	
50-64	4.89	4.89	0	0.00	0.00	
65+	4.55	4.55	0	0.00	0.00	
Death						
6 Months - 4	6.01	6.00	0	0.00	0.00	
5-17	5.74	5.72	0	0.00	0.00	
18-49	5.11	5.11	0	0.00	0.00	
50-64	4.89	4.89	4	1.03	13.94	
65+	4.55	4.55	14	4.22	57.95	
Discharge from hospital alive						
6 Months - 4	6.02	6.00	12	4.23	57.17	
5-17	5.76	5.74	19	3.16	42.46	
18-49	5.16	5.15	116	13.13	178.05	
50-64	5.07	5.07	83	24.03	330.02	
65+	4.85	4.85	118	45.97	643.40	
MAARI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	0.00		2,745	2.21	34.70	
5-17	0.00		3,455	1.73	26.95	
18-49	0.00		13,969	5.17	81.47	
50-64	0.00		11,556	10.01	157.82	
65+	0.00		21,079	23.36	370.71	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4	0.00		62	0.05	0.78	
5-17	0.00		245	0.12	1.91	
18-49	0.00		6,065	2.24	35.23	
50-64	0.00		9,027	7.77	122.37	
65+	0.00		7,504	8.14	128.13	
Supplemental oxygen						
6 Months - 4	0.00		10,852	8.91	140.61	
5-17	0.00		7,447	3.77	58.94	
18-49	0.00		10,851	4.08	64.33	
50-64	0.00		8,991	7.99	125.89	
65+	0.00		11,627	13.15	207.64	
Mechanical ventilation						
6 Months - 4	0.00		118	0.09	1.49	
5-17	0.00		107	0.05	0.83	
18-49	0.00		432	0.16	2.51	
50-64	0.00		850	0.73	11.47	
65+	0.00		1,852	2.01	31.51	
Critical Care						
6 Months - 4	0.00		1,571	1.26	19.83	
5-17	0.00		2,142	1.07	16.69	
18-49	0.00		7,058	2.61	41.09	
50-64	0.00		8,810	7.63	120.17	
65+	0.00		17,416	19.33	306.00	

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4	0.00		3	0.00	0.04	
5-17	0.00		2	0.00	0.02	
18-49	0.00		12	0.00	0.07	
50-64	0.00		3	0.00	0.04	
65+	0.00		10	0.01	0.17	
Death						
6 Months - 4	0.00		11	0.01	0.14	
5-17	0.00		12	0.01	0.09	
18-49	0.00		129	0.05	0.75	
50-64	0.00		529	0.45	7.13	
65+	0.00		3,019	3.27	51.31	
Discharge from hospital alive						
6 Months - 4	0.00		2,284	1.84	28.86	
5-17	0.00		2,988	1.49	23.30	
18-49	0.00		12,305	4.55	71.72	
50-64	0.00		10,470	9.06	142.81	
65+	0.00		18,901	20.88	331.09	
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Supplemental oxygen						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Mechanical ventilation						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Critical Care						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Age Group

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Death						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
Discharge from hospital alive						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Data are not presented in shaded cells due to their inability to be calculated

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI					
Total					
<i>2015</i>					
July	3,309	41,097,017	3,309	0.0	0.23
August	3,818	41,862,489	3,818	0.0	0.25
September	7,683	41,191,671	7,683	0.0	0.33
October	13,154	41,717,952	13,154	0.0	0.34
November	15,193	41,182,962	15,193	0	0.39
December	19,836	41,863,420	19,836	0.0	0.43
<i>2016</i>					
January	28,217	38,634,213	28,217	0.0	0.47
February	94,909	38,110,198	94,909	0.0	0.57
March	150,364	38,300,150	150,364	0.0	0.58
April	63,272	38,481,830	63,272	0	0.54
May	22,013	38,541,541	22,013	0.0	0.49
June	6,251	38,689,906	6,251	0.0	0.37
Treated on Day of Diagnosis					
<i>2015</i>					
July	690		690	54.3	1.00
August	869		869	68.7	1
September	2,285		2,285	180.3	1.00
October	4,115		4,115	324.5	1.00
November	5,613		5,613	442.6	1.00
December	7,773		7,773	591.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12270		12270	968.6	1
February	49475		49475	3903.8	1
March	79,766		79,766	6,301.3	1.00
April	31,412		31,412	2,482.3	1.00
May	9,835		9,835	776.6	1.00
June	2,073		2,073	102.5	1.00
Treated Day After Diagnosis					
2015					
July	52		52	4.0	1.00
August	61		61	4.6	1.00
September	170		170	13.0	1.00
October	205		205	15.7	1.00
November	271		271	20.7	1.00
December	472		472	35.0	1.00
2016					
January	734		734	56.1	1.00
February	3,604		3,604	274.5	1.00
March	5,342		5,342	407.3	1.00
April	2,174		2,174	165.9	1.00
May	710		710	54.0	1.00
June	147		147	7.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Treated 1-5 Days After Diagnosis					
<i>2015</i>					
July	79		79	5.9	1.00
August	91		91	6.8	1.00
September	223		223	16.8	1.00
October	302		302	22.7	1.00
November	376		376	28.2	1.00
December	661		661	48.1	1.00
<i>2016</i>					
January	1,003		1,003	75.2	1.00
February	4,812		4,812	360.9	1.00
March	7,180		7,180	538.9	1.00
April	2,934		2,934	220.3	1.00
May	927		927	69.4	1.00
June	190		190	9.1	1.00
NOT Treated Within 5 Days of Diagnosis					
<i>2015</i>					
July	2,533		2,533	164.8	0.00
August	2,845		2,845	185.8	0.00
September	5,162		5,162	336.9	0.00
October	8,710		8,710	569.6	0.00
November	9,174		9,174	599.2	0.00
December	11,183		11,183	709.7	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	14,884		14,884	971.5	0.00
February	40,414		40,414	2,640.2	0.00
March	63,232		63,232	4,130.8	0.00
April	28,837		28,837	1,884.0	0.00
May	11,223		11,223	732.8	0.00
June	3,369		3,369	128.1	0.00
P and I					
Total					
2015					
July	58,912	41,076,160	58,912	0.0	0.01
August	64,186	41,848,613	64,186	0.0	0.02
September	74,346	41,175,432	74,346	0.0	0.03
October	84,123	41,697,349	84,123	0.0	0.05
November	98,398	41,166,173	98,398	0.0	0.06
December	112,601	41,837,789	112,601	0.0	0.08
2016					
January	122,735	38,614,720	122,735	0.0	0.11
February	188,449	38,087,424	188,449	0.0	0.29
March	237,830	38,273,637	237,830	0.0	0.37
April	138,981	38,459,453	138,981	0.0	0.25
May	85,603	38,518,434	85,603	0.0	0.13
June	69,364	38,671,558	69,364	0.0	0.03

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Treated on Day of Diagnosis					
<i>2015</i>					
July	702		702	55.3	1.00
August	874		874	69.1	1.00
September	2,296		2,296	181.2	1.00
October	4,143		4,143	326.7	1.00
November	5,646		5,646	445.2	1.00
December	7,826		7,826	595.7	1.00
<i>2016</i>					
January	12,341		12,341	974.2	1.00
February	49,568		49,568	3,911.2	1.00
March	79,852		79,852	6,308.1	1.00
April	31,412		31,412	2,482.2	1.00
May	9,849		9,849	777.7	1.00
June	2,085		2,085	103.0	1.00
Treated Day After Diagnosis					
<i>2015</i>					
July	55		55	4.2	1.00
August	65		65	4.9	1.00
September	166		166	12.7	1.00
October	219		219	16.8	1.00
November	281		281	21.4	1.00
December	487		487	36.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	759		759	58.0	1.00
February	3,646		3,646	277.6	1.00
March	5,392		5,392	411.2	1.00
April	2,197		2,197	167.7	1.00
May	714		714	54.3	1.00
June	151		151	7.3	1.00
Treated 1-5 Days After Diagnosis					
2015					
July	85		85	6.3	1.00
August	106		106	7.9	1.00
September	230		230	17.3	1.00
October	337		337	25.2	1.00
November	418		418	31.1	1.00
December	714		714	51.6	1.00
2016					
January	1,075		1,075	80.4	1.00
February	5,013		5,013	375.2	1.00
March	7,399		7,399	554.6	1.00
April	3,030		3,030	227.2	1.00
May	957		957	71.6	1.00
June	199		199	9.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
NOT Treated Within 5 Days of Diagnosis					
<i>2015</i>					
July	57,837		57,837	3,738.0	0.00
August	62,933		62,933	4,074.5	0.00
September	71,525		71,525	4,631.1	0.00
October	79,300		79,300	5,141.4	0.00
November	92,001		92,001	5,968.7	0.00
December	102,209		102,209	6,467.6	0.00
<i>2016</i>					
January	108,855		108,855	7,057.2	0.00
February	133,328		133,328	8,665.6	0.00
March	150,058		150,058	9,760.0	0.00
April	104,150		104,150	6,767.4	0.00
May	74,494		74,494	4,830.9	0.00
June	54,805		54,805	1,912.1	0.00
MAARI					
Total					
<i>2015</i>					
July	433,664	41,069,659	433,664	0.0	0.00
August	484,133	41,834,572	484,133	0.0	0.00
September	633,488	41,135,193	633,488	0.0	0.00
October	677,474	41,674,250	677,474	0.0	0.01
November	775,249	41,133,007	775,249	0.0	0.01
December	909,250	41,795,460	909,250	0.0	0.01

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	824,226	38,578,693	824,226	0.0	0.02
February	954,345	38,035,522	954,345	0.0	0.05
March	960,162	38,239,757	960,162	0.0	0.09
April	683,787	38,414,582	683,787	0.0	0.05
May	596,075	38,506,693	596,075	0.0	0.02
June	451,176	38,639,148	451,176	0.0	0.01
Treated on Day of Diagnosis					
2015					
July	874		874	68.9	1.00
August	1,045		1,045	82.5	1.00
September	2,639		2,639	207.8	1.00
October	4,311		4,311	339.7	1.00
November	5,772		5,772	455.4	1.00
December	8,052		8,052	613.1	1.00
2016					
January	12,076		12,076	953.4	1.00
February	45,704		45,704	3,606.0	1.00
March	72,827		72,827	5,752.4	1.00
April	29,475		29,475	2,328.9	1.00
May	9,430		9,430	744.5	1.00
June	2,060		2,060	101.1	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Treated Day After Diagnosis					
<i>2015</i>					
July	71		71	5.4	1.00
August	89		89	6.8	1.00
September	228		228	17.5	1.00
October	295		295	22.5	1.00
November	389		389	29.7	1.00
December	598		598	44.0	1.00
<i>2016</i>					
January	912		912	69.8	1.00
February	4,129		4,129	314.7	1.00
March	5,869		5,869	447.5	1.00
April	2,440		2,440	186.3	1.00
May	823		823	62.8	1.00
June	176		176	8.6	1.00
Treated 1-5 Days After Diagnosis					
<i>2015</i>					
July	133		133	9.8	1.00
August	160		160	11.9	1.00
September	365		365	27.1	1.00
October	494		494	36.6	1.00
November	665		665	49.3	1.00
December	998		998	71.6	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	1,514		1,514	112.8	1.00
February	6,493		6,493	483.3	1.00
March	9,132		9,132	679.8	1.00
April	3,804		3,804	283.4	1.00
May	1,264		1,264	94.0	1.00
June	258		258	12.3	1.01
NOT Treated Within 5 Days of Diagnosis					
2015					
July	431,462		431,462	28,196.9	0.00
August	481,194		481,194	31,435.0	0.00
September	628,410		628,410	41,028.9	0.00
October	670,719		670,719	43,858.0	0.00
November	766,832		766,832	50,056.7	0.00
December	884,980		884,980	56,343.3	0.00
2016					
January	808,381		808,381	52,844.8	0.00
February	900,034		900,034	58,850.4	0.00
March	876,162		876,162	57,282.9	0.00
April	648,775		648,775	42,425.1	0.00
May	584,041		584,041	38,150.6	0.00
June	370,870		370,870	13,095.6	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI - Treated Day of Diagnosis					
Hospitalization					
<i>2015</i>					
July	690		690	53.4	1.00
August	869		869	68.1	1.00
September	2,281		2,281	177.9	1.00
October	4,111		4,111	319.9	1.00
November	5,611		5,611	436.7	1.00
December	7,765		7,765	585.2	1.00
<i>2016</i>					
January	12,260		12,260	961.6	1.00
February	49,463		49,463	3,882.7	1.00
March	79,739		79,739	6,269.4	1.00
April	31,408		31,408	2,468.3	1.00
May	9,829		9,829	771.1	1.00
June	2,073		2,073	101.9	1.00
Bilevel Positive Airway Pressure (BiPAP)					
<i>2015</i>					
July	690		690	54.1	1.00
August	869		869	68.3	1.00
September	2,285		2,285	179.9	1.00
October	4,114		4,114	323.5	1.00
November	5,613		5,613	441.5	1.00
December	7,771		7,771	590.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12,270		12,270	967.3	1.00
February	49,473		49,473	3,898.3	1.00
March	79,760		79,760	6,291.0	1.00
April	31,409		31,409	2,477.8	1.00
May	9,834		9,834	775.5	1.00
June	2,073		2,073	102.4	1.00
Supplemental oxygen					
2015					
July	673		673	52.8	1.00
August	851		851	66.8	1.00
September	2,251		2,251	176.2	1.00
October	4,023		4,023	313.4	1.00
November	5,491		5,491	427.9	1.00
December	7,599		7,599	572.1	1.00
2016					
January	12,002		12,002	938.7	1.00
February	48,515		48,515	3,801.0	1.00
March	78,276		78,276	6,144.3	1.00
April	30,793		30,793	2,415.7	1.00
May	9,673		9,673	758.6	1.00
June	2,042		2,042	100.3	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2015</i>					
July	690		690	54.3	1.00
August	869		869	68.7	1.00
September	2,285		2,285	180.3	1.00
October	4,115		4,115	324.5	1.00
November	5,613		5,613	442.4	1.00
December	7,773		7,773	591.4	1.00
<i>2016</i>					
January	12,270		12,270	968.3	1.00
February	49,474		49,474	3,902.9	1.00
March	79,766		79,766	6,299.4	1.00
April	31,412		31,412	2,481.1	1.00
May	9,834		9,834	776.2	1.00
June	2,073		2,073	102.5	1.00
Critical Care					
<i>2015</i>					
July	690		690	53.6	1.00
August	869		869	68.2	1.00
September	2,279		2,279	178.2	1.00
October	4,108		4,108	320.6	1.00
November	5,607		5,607	438.2	1.00
December	7,770		7,770	587.2	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12,260		12,260	962.4	1.00
February	49,440		49,440	3,886.5	1.00
March	79,725		79,725	6,275.8	1.00
April	31,392		31,392	2,471.2	1.00
May	9,832		9,832	772.6	1.00
June	2,073		2,073	102.0	1.00
Extracorporeal membrane oxygenation (ECMO)					
2015					
July	690		690	54.3	1.00
August	869		869	68.7	1.00
September	2,285		2,285	180.3	1.00
October	4,115		4,115	324.5	1.00
November	5,613		5,613	442.5	1.00
December	7,773		7,773	591.7	1.00
2016					
January	12,270		12,270	968.6	1.00
February	49,475		49,475	3,903.7	1.00
March	79,766		79,766	6,301.2	1.00
April	31,412		31,412	2,482.3	1.00
May	9,835		9,835	776.6	1.00
June	2,073		2,073	102.5	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2015</i>					
July	690		690	54.3	1.00
August	869		869	68.7	1.00
September	2,285		2,285	180.2	1.00
October	4,115		4,115	324.5	1.00
November	5,613		5,613	442.6	1.00
December	7,773		7,773	591.7	1.00
<i>2016</i>					
January	12,270		12,270	968.6	1.00
February	49,475		49,475	3,903.7	1.00
March	79,766		79,766	6,300.8	1.00
April	31,412		31,412	2,482.2	1.00
May	9,835		9,835	776.5	1.00
June	2,073		2,073	102.5	1.00
Discharge from hospital alive					
<i>2015</i>					
July	690		690	53.4	1.00
August	869		869	68.1	1.00
September	2,283		2,283	178.1	1.00
October	4,111		4,111	320.4	1.00
November	5,611		5,611	436.9	1.00
December	7,765		7,765	585.5	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12,260		12,260	962.0	1.00
February	49,463		49,463	3,884.8	1.00
March	79,743		79,743	6,273.1	1.00
April	31,408		31,408	2,469.5	1.00
May	9,829		9,829	771.9	1.00
June	2,073		2,073	102.0	1.00
ILI - Treated Day After Diagnosis					
Hospitalization					
2015					
July	50		50	3.6	1.00
August	61		61	4.5	1.00
September	169		169	12.6	1.00
October	197		197	14.8	1.00
November	263		263	19.7	1.00
December	461		461	33.8	1.00
2016					
January	723		723	54.9	1.00
February	3,562		3,562	268.8	1.00
March	5,283		5,283	398.2	1.00
April	2,145		2,145	161.2	1.00
May	702		702	53.0	1.00
June	146		146	6.9	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2015</i>					
July	52		52	3.9	1.00
August	61		61	4.6	1.00
September	170		170	13.0	1.00
October	205		205	15.7	1.00
November	270		270	20.6	1.00
December	472		472	35.0	1.00
<i>2016</i>					
January	734		734	56.0	1.00
February	3,601		3,601	273.9	1.00
March	5,342		5,342	406.5	1.00
April	2,172		2,172	165.3	1.00
May	710		710	54.0	1.00
June	147		147	7.0	1.00
Supplemental oxygen					
<i>2015</i>					
July	49		49	3.8	1.00
August	60		60	4.4	1.00
September	163		163	12.4	1.00
October	189		189	14.3	1.00
November	246		246	18.5	1.00
December	435		435	31.9	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	688		688	52.0	1.00
February	3,400		3,400	256.1	1.00
March	5,014		5,014	378.7	1.00
April	2,019		2,019	152.8	1.00
May	684		684	51.3	1.00
June	139		139	6.6	1.00
Mechanical ventilation					
2015					
July	52		52	4.0	1.00
August	61		61	4.6	1.00
September	170		170	13.0	1.00
October	205		205	15.7	1.00
November	271		271	20.7	1.00
December	472		472	35.0	1.00
2016					
January	734		734	56.1	1.00
February	3,604		3,604	274.5	1.00
March	5,339		5,339	406.6	1.00
April	2,173		2,173	165.7	1.00
May	710		710	54.0	1.00
June	147		147	7.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2015</i>					
July	51		51	3.7	1.00
August	61		61	4.6	1.00
September	169		169	12.8	1.00
October	198		198	14.9	1.00
November	262		262	19.8	1.00
December	463		463	34.5	1.00
<i>2016</i>					
January	713		713	54.1	1.00
February	3,542		3,542	268.3	1.00
March	5,246		5,246	396.7	1.00
April	2,132		2,132	161.5	1.00
May	697		697	52.6	1.00
June	142		142	6.7	1.00
ECMO					
<i>2015</i>					
July	52		52	4.0	1.00
August	61		61	4.6	1.00
September	170		170	13.0	1.00
October	205		205	15.7	1.00
November	271		271	20.7	1.00
December	472		472	35.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	734		734	56.1	1.00
February	3,604		3,604	274.5	1.00
March	5,341		5,341	407.3	1.00
April	2,174		2,174	165.9	1.00
May	710		710	54.0	1.00
June	147		147	7.0	1.00
Death					
2015					
July	52		52	4.0	1.00
August	61		61	4.6	1.00
September	170		170	13.0	1.00
October	205		205	15.7	1.00
November	271		271	20.7	1.00
December	472		472	35.0	1.00
2016					
January	734		734	56.1	1.00
February	3,604		3,604	274.5	1.00
March	5,342		5,342	407.2	1.00
April	2,174		2,174	165.9	1.00
May	710		710	54.0	1.00
June	147		147	7.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive					
<i>2015</i>					
July	50		50	3.6	1.00
August	61		61	4.5	1.00
September	169		169	12.6	1.00
October	197		197	14.8	1.00
November	263		263	19.7	1.00
December	461		461	33.9	1.00
<i>2016</i>					
January	723		723	54.9	1.00
February	3,566		3,566	269.4	1.00
March	5,294		5,294	399.7	1.00
April	2,149		2,149	162.3	1.00
May	704		704	53.2	1.00
June	146		146	6.9	1.00
ILI - Treated 1-5 Days After Diagnosis					
Hospitalization					
<i>2015</i>					
July	63		63	4.5	1.00
August	83		83	6.1	1.00
September	202		202	15.0	1.00
October	261		261	19.3	1.00
November	338		338	24.9	1.00
December	568		568	41.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	899		899	67.5	1.00
February	4,384		4,384	326.8	1.00
March	6,479		6,479	483.0	1.00
April	2,638		2,638	196.2	1.00
May	849		849	63.1	1.00
June	176		176	8.3	1.00
BiPAP					
2015					
July	79		79	5.8	1.00
August	91		91	6.7	1.00
September	223		223	16.7	1.00
October	302		302	22.6	1.00
November	375		375	28.1	1.00
December	661		661	48.0	1.00
2016					
January	1,003		1,003	75.0	1.00
February	4,809		4,809	360.2	1.00
March	7,177		7,177	537.1	1.00
April	2,932		2,932	219.5	1.00
May	927		927	69.2	1.00
June	190		190	9.1	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2015</i>					
July	71		71	5.3	1.00
August	83		83	6.1	1.00
September	212		212	15.7	1.00
October	273		273	20.3	1.00
November	348		348	25.6	1.00
December	603		603	43.3	1.00
<i>2016</i>					
January	932		932	69.0	1.00
February	4,469		4,469	331.1	1.00
March	6,609		6,609	490.6	1.00
April	2,668		2,668	197.9	1.00
May	873		873	64.4	1.00
June	172		172	8.3	1.00
Mechanical ventilation					
<i>2015</i>					
July	79		79	5.9	1.00
August	90		90	6.7	1.00
September	223		223	16.8	1.00
October	302		302	22.7	1.00
November	374		374	28.0	1.00
December	661		661	47.9	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	1,000		1,000	74.9	1.00
February	4,801		4,801	360.0	1.00
March	7,161		7,161	536.9	1.00
April	2,917		2,917	218.8	1.00
May	923		923	69.1	1.00
June	190		190	9.1	1.00
Critical Care					
2015					
July	62		62	4.5	1.00
August	78		78	5.8	1.00
September	203		203	15.2	1.00
October	273		273	20.3	1.00
November	342		342	25.2	1.00
December	582		582	42.5	1.00
2016					
January	899		899	67.3	1.00
February	4,403		4,403	329.1	1.00
March	6,509		6,509	486.6	1.00
April	2,615		2,615	195.6	1.00
May	840		840	62.1	1.00
June	171		171	8.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2015</i>					
July	79		79	5.9	1.00
August	91		91	6.8	1.00
September	223		223	16.8	1.00
October	302		302	22.7	1.00
November	376		376	28.2	1.00
December	661		661	48.1	1.00
<i>2016</i>					
January	1,003		1,003	75.2	1.00
February	4,812		4,812	360.9	1.00
March	7,179		7,179	538.9	1.00
April	2,934		2,934	220.3	1.00
May	927		927	69.4	1.00
June	190		190	9.1	1.00
Death					
<i>2015</i>					
July	79		79	5.9	1.00
August	91		91	6.8	1.00
September	223		223	16.8	1.00
October	302		302	22.7	1.00
November	376		376	28.1	1.00
December	661		661	48.1	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	1,003		1,003	75.2	1.00
February	4,812		4,812	360.8	1.00
March	7,179		7,179	538.6	1.00
April	2,934		2,934	220.2	1.00
May	927		927	69.4	1.00
June	190		190	9.1	1.00
Discharge from hospital alive					
2015					
July	65		65	4.7	1.00
August	87		87	6.3	1.00
September	208		208	15.4	1.00
October	265		265	19.5	1.00
November	343		343	25.2	1.00
December	579		579	41.8	1.00
2016					
January	901		901	67.6	1.00
February	4,422		4,422	330.0	1.00
March	6,532		6,532	487.4	1.00
April	2,666		2,666	199.0	1.00
May	855		855	63.7	1.00
June	176		176	8.3	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
<i>2015</i>					
July	2,431		2,431	156.5	0.00
August	2,753		2,753	178.4	0.00
September	5,012		5,012	324.3	0.00
October	8,485		8,485	551.3	0.00
November	8,957		8,957	580.5	0.00
December	10,881		10,881	686.9	0.00
<i>2016</i>					
January	14,495		14,495	941.5	0.00
February	39,540		39,540	2,573.5	0.00
March	61,733		61,733	4,020.4	0.00
April	28,131		28,131	1,829.7	0.00
May	10,942		10,942	711.1	0.00
June	3,262		3,262	123.5	0.00
BiPAP					
<i>2015</i>					
July	2,532		2,532	164.4	0.00
August	2,840		2,840	185.2	0.00
September	5,155		5,155	336.2	0.00
October	8,701		8,701	567.8	0.00
November	9,165		9,165	597.9	0.00
December	11,175		11,175	707.4	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	14,869		14,869	969.5	0.00
February	40,404		40,404	2,636.2	0.00
March	63,190		63,190	4,122.8	0.00
April	28,813		28,813	1,879.0	0.00
May	11,215		11,215	731.6	0.00
June	3,367		3,367	128.0	0.00
Supplemental oxygen					
2015					
July	2,473		2,473	160.0	0.00
August	2,764		2,764	179.6	0.00
September	4,996		4,996	324.8	0.00
October	8,415		8,415	547.8	0.00
November	8,813		8,813	572.7	0.00
December	10,752		10,752	678.6	0.00
2016					
January	14,301		14,301	929.2	0.00
February	39,059		39,059	2,541.3	0.00
March	61,039		61,039	3,971.2	0.00
April	27,807		27,807	1,808.1	0.00
May	10,815		10,815	703.5	0.00
June	3,262		3,262	123.4	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2015</i>					
July	2,522		2,522	164.1	0.00
August	2,839		2,839	185.2	0.00
September	5,150		5,150	336.0	0.00
October	8,684		8,684	567.9	0.00
November	9,147		9,147	597.1	0.00
December	11,149		11,149	707.4	0.00
<i>2016</i>					
January	14,845		14,845	969.2	0.00
February	40,301		40,301	2,632.6	0.00
March	63,006		63,006	4,115.3	0.00
April	28,764		28,764	1,878.9	0.00
May	11,208		11,208	731.5	0.00
June	3,360		3,360	127.6	0.00
Critical Care					
<i>2015</i>					
July	2,408		2,408	155.8	0.00
August	2,728		2,728	177.1	0.00
September	4,997		4,997	324.2	0.00
October	8,475		8,475	552.1	0.00
November	8,938		8,938	580.7	0.00
December	10,891		10,891	688.1	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	14,490		14,490	943.0	0.00
February	39,488		39,488	2,573.2	0.00
March	61,711		61,711	4,023.3	0.00
April	28,101		28,101	1,830.6	0.00
May	10,930		10,930	711.6	0.00
June	3,256		3,256	123.2	0.00
ECMO					
2015					
July	2,532		2,532	164.8	0.00
August	2,845		2,845	185.8	0.00
September	5,162		5,162	336.9	0.00
October	8,709		8,709	569.5	0.00
November	9,174		9,174	599.2	0.00
December	11,183		11,183	709.7	0.00
2016					
January	14,882		14,882	971.4	0.00
February	40,404		40,404	2,639.4	0.00
March	63,222		63,222	4,130.0	0.00
April	28,832		28,832	1,883.7	0.00
May	11,223		11,223	732.8	0.00
June	3,368		3,368	128.1	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2015</i>					
July	2,526		2,526	164.1	0.00
August	2,845		2,845	185.7	0.00
September	5,154		5,154	336.4	0.00
October	8,698		8,698	568.4	0.00
November	9,173		9,173	598.5	0.00
December	11,169		11,169	708.8	0.00
<i>2016</i>					
January	14,868		14,868	969.8	0.00
February	40,398		40,398	2,637.8	0.00
March	63,203		63,203	4,126.1	0.00
April	28,812		28,812	1,881.4	0.00
May	11,216		11,216	731.8	0.00
June	3,367		3,367	127.9	0.00
Discharge from hospital alive					
<i>2015</i>					
July	2,450		2,450	157.6	0.00
August	2,762		2,762	178.9	0.00
September	5,025		5,025	325.5	0.00
October	8,519		8,519	553.7	0.00
November	8,977		8,977	582.2	0.00
December	10,913		10,913	689.2	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	14,535		14,535	944.7	0.00
February	39,643		39,643	2,581.1	0.00
March	61,903		61,903	4,032.2	0.00
April	28,223		28,223	1,836.4	0.00
May	10,972		10,972	713.3	0.00
June	3,272		3,272	124.0	0.00
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
2015					
July	118		118		
August	100		100		
September	170		170		
October	261		261		
November	253		253		
December	396		396		
2016					
January	495		495		
February	1,297		1,297		
March	2,183		2,183		
April	992		992		
May	355		355		
June	147		147		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2015</i>					
July	1		1		
August	5		5		
September	7		7		
October	9		9		
November	10		10		
December	8		8		
<i>2016</i>					
January	15		15		
February	13		13		
March	44		44		
April	24		24		
May	8		8		
June	3		3		
Supplemental oxygen					
<i>2015</i>					
July	68		68		
August	90		90		
September	176		176		
October	324		324		
November	391		391		
December	494		494		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	653		653		
February	1,673		1,673		
March	2,731		2,731		
April	1,281		1,281		
May	463		463		
June	138		138		
Mechanical ventilation					
2015					
July	11		11		
August	7		7		
September	12		12		
October	26		26		
November	30		30		
December	34		34		
2016					
January	42		42		
February	126		126		
March	244		244		
April	90		90		
May	19		19		
June	11		11		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2015</i>					
July	142		142		
August	130		130		
September	184		184		
October	263		263		
November	275		275		
December	373		373		
<i>2016</i>					
January	496		496		
February	1,331		1,331		
March	2,187		2,187		
April	1,043		1,043		
May	376		376		
June	155		155		
ECMO					
<i>2015</i>					
July	1		1		
August	0		0		
September	0		0		
October	1		1		
November	0		0		
December	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	2		2		
February	10		10		
March	10		10		
April	5		5		
May	0		0		
June	1		1		
Death					
2015					
July	7		7		
August	2		2		
September	8		8		
October	14		14		
November	5		5		
December	14		14		
2016					
January	19		19		
February	21		21		
March	39		39		
April	28		28		
May	7		7		
June	2		2		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive					
<i>2015</i>					
July	97		97		
August	87		87		
September	151		151		
October	223		223		
November	227		227		
December	354		354		
<i>2016</i>					
January	451		451		
February	1,156		1,156		
March	1,966		1,966		
April	875		875		
May	321		321		
June	133		133		
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
<i>2015</i>					
July	0		0		
August	0		0		
September	4		4		
October	4		4		
November	2		2		
December	8		8		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	10		10		
February	12		12		
March	27		27		
April	4		4		
May	6		6		
June	0		0		
BiPAP					
2015					
July	0		0		
August	0		0		
September	0		0		
October	1		1		
November	0		0		
December	2		2		
2016					
January	0		0		
February	2		2		
March	6		6		
April	3		3		
May	1		1		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2015</i>					
July	17		17		
August	18		18		
September	34		34		
October	92		92		
November	122		122		
December	174		174		
<i>2016</i>					
January	268		268		
February	960		960		
March	1,492		1,492		
April	619		619		
May	162		162		
June	32		32		
Mechanical ventilation					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	0		0		
February	1		1		
March	0		0		
April	0		0		
May	1		1		
June	0		0		
Critical Care					
2015					
July	0		0		
August	0		0		
September	6		6		
October	7		7		
November	6		6		
December	3		3		
2016					
January	10		10		
February	35		35		
March	41		41		
April	20		20		
May	3		3		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2016</i>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Death					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Discharge from hospital alive					
2015					
July	0		0		
August	0		0		
September	2		2		
October	4		4		
November	2		2		
December	8		8		
2016					
January	10		10		
February	12		12		
March	23		23		
April	4		4		
May	6		6		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
<i>2015</i>					
July	0		0		
August	0		0		
September	1		1		
October	5		5		
November	3		3		
December	2		2		
<i>2016</i>					
January	1		1		
February	13		13		
March	25		25		
April	10		10		
May	6		6		
June	0		0		
BiPAP					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	0		0		
February	0		0		
March	1		1		
April	2		2		
May	0		0		
June	0		0		
Supplemental oxygen					
2015					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	2		2		
December	4		4		
2016					
January	4		4		
February	31		31		
March	36		36		
April	17		17		
May	0		0		
June	2		2		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2016</i>					
January	0		0		
February	0		0		
March	3		3		
April	0		0		
May	0		0		
June	0		0		
Critical Care					
<i>2015</i>					
July	0		0		
August	0		0		
September	1		1		
October	3		3		
November	0		0		
December	2		2		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	5		5		
February	16		16		
March	25		25		
April	15		15		
May	4		4		
June	3		3		
ECMO					
2015					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2016					
January	0		0		
February	0		0		
March	1		1		
April	0		0		
May	0		0		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2016</i>					
January	0		0		
February	0		0		
March	1		1		
April	0		0		
May	0		0		
June	0		0		
Discharge from hospital alive					
<i>2015</i>					
July	0		0		
August	0		0		
September	1		1		
October	5		5		
November	3		3		
December	1		1		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	1		1		
February	11		11		
March	17		17		
April	7		7		
May	4		4		
June	0		0		
P and I - Treated Day of Diagnosis					
Hospitalization					
2015					
July	702		702	54.2	1.00
August	874		874	68.5	1.00
September	2,290		2,290	178.7	1.00
October	4,139		4,139	321.9	1.00
November	5,646		5,646	439.5	1.00
December	7,816		7,816	588.8	1.00
2016					
January	12,328		12,328	966.7	1.00
February	49,550		49,550	3,889.2	1.00
March	79,824		79,824	6,275.5	1.00
April	31,407		31,407	2,468.0	1.00
May	9,839		9,839	771.9	1.00
June	2,085		2,085	102.3	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2015</i>					
July	702		702	55.1	1.00
August	874		874	68.7	1.00
September	2,296		2,296	180.9	1.00
October	4,142		4,142	325.7	1.00
November	5,646		5,646	444.0	1.00
December	7,824		7,824	594.7	1.00
<i>2016</i>					
January	12,341		12,341	972.9	1.00
February	49,566		49,566	3,905.7	1.00
March	79,846		79,846	6,297.8	1.00
April	31,409		31,409	2,477.7	1.00
May	9,848		9,848	776.6	1.00
June	2,085		2,085	102.8	1.00
Supplemental oxygen					
<i>2015</i>					
July	684		684	53.6	1.00
August	853		853	66.9	1.00
September	2,264		2,264	177.1	1.00
October	4,050		4,050	315.4	1.00
November	5,518		5,518	430.2	1.00
December	7,649		7,649	575.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12,064		12,064	943.2	1.00
February	48,598		48,598	3,807.4	1.00
March	78,340		78,340	6,148.9	1.00
April	30,794		30,794	2,415.5	1.00
May	9,681		9,681	759.4	1.00
June	2,053		2,053	100.6	1.00
Mechanical ventilation					
2015					
July	702		702	55.2	1.00
August	874		874	69.1	1.00
September	2,296		2,296	181.2	1.00
October	4,143		4,143	326.7	1.00
November	5,645		5,645	444.9	1.00
December	7,824		7,824	595.2	1.00
2016					
January	12,341		12,341	973.8	1.00
February	49,567		49,567	3,910.2	1.00
March	79,852		79,852	6,306.0	1.00
April	31,412		31,412	2,481.0	1.00
May	9,845		9,845	777.1	1.00
June	2,085		2,085	103.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2015</i>					
July	702		702	54.5	1.00
August	874		874	68.6	1.00
September	2,288		2,288	179.0	1.00
October	4,135		4,135	322.6	1.00
November	5,642		5,642	441.1	1.00
December	7,821		7,821	590.8	1.00
<i>2016</i>					
January	12,327		12,327	967.5	1.00
February	49,532		49,532	3,893.2	1.00
March	79,811		79,811	6,282.2	1.00
April	31,392		31,392	2,471.1	1.00
May	9,842		9,842	773.3	1.00
June	2,085		2,085	102.4	1.00
ECMO					
<i>2015</i>					
July	702		702	55.3	1.00
August	874		874	69.1	1.00
September	2,296		2,296	181.2	1.00
October	4,143		4,143	326.7	1.00
November	5,646		5,646	445.1	1.00
December	7,826		7,826	595.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12,341		12,341	974.2	1.00
February	49,568		49,568	3,911.2	1.00
March	79,852		79,852	6,308.0	1.00
April	31,412		31,412	2,482.2	1.00
May	9,849		9,849	777.7	1.00
June	2,085		2,085	103.0	1.00
Death					
2015					
July	702		702	55.2	1.00
August	874		874	69.1	1.00
September	2,296		2,296	181.1	1.00
October	4,143		4,143	326.6	1.00
November	5,646		5,646	445.2	1.00
December	7,826		7,826	595.7	1.00
2016					
January	12,341		12,341	974.2	1.00
February	49,568		49,568	3,911.1	1.00
March	79,852		79,852	6,307.5	1.00
April	31,412		31,412	2,482.2	1.00
May	9,849		9,849	777.5	1.00
June	2,085		2,085	103.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive					
<i>2015</i>					
July	702		702	54.3	1.00
August	874		874	68.5	1.00
September	2,294		2,294	179.0	1.00
October	4,139		4,139	322.4	1.00
November	5,646		5,646	439.7	1.00
December	7,816		7,816	589.1	1.00
<i>2016</i>					
January	12,328		12,328	967.0	1.00
February	49,550		49,550	3,891.3	1.00
March	79,828		79,828	6,279.4	1.00
April	31,407		31,407	2,469.3	1.00
May	9,839		9,839	772.7	1.00
June	2,085		2,085	102.3	1.00
P and I - Treated After Day of Diagnosis					
Hospitalization					
<i>2015</i>					
July	53		53	3.8	1.00
August	63		63	4.6	1.00
September	165		165	12.3	1.00
October	209		209	15.7	1.00
November	273		273	20.4	1.00
December	474		474	34.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	746		746	56.7	1.00
February	3,601		3,601	271.6	1.00
March	5,330		5,330	402.3	1.00
April	2,165		2,165	162.8	1.00
May	704		704	53.1	1.00
June	150		150	7.2	1.00
BiPAP					
2015					
July	55		55	4.1	1.00
August	65		65	4.9	1.00
September	166		166	12.7	1.00
October	219		219	16.8	1.00
November	280		280	21.4	1.00
December	487		487	36.0	1.00
2016					
January	759		759	57.9	1.00
February	3,643		3,643	277.1	1.00
March	5,392		5,392	410.3	1.00
April	2,195		2,195	167.0	1.00
May	714		714	54.2	1.00
June	151		151	7.3	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2015</i>					
July	52		52	4.0	1.00
August	63		63	4.6	1.00
September	160		160	12.2	1.00
October	203		203	15.3	1.00
November	254		254	19.0	1.00
December	447		447	32.6	1.00
<i>2016</i>					
January	707		707	53.2	1.00
February	3,436		3,436	258.9	1.00
March	5,054		5,054	381.9	1.00
April	2,038		2,038	154.4	1.00
May	687		687	51.5	1.00
June	143		143	6.9	1.00
Mechanical ventilation					
<i>2015</i>					
July	55		55	4.2	1.00
August	65		65	4.9	1.00
September	166		166	12.7	1.00
October	219		219	16.8	1.00
November	281		281	21.4	1.00
December	487		487	36.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	759		759	58.0	1.00
February	3,646		3,646	277.6	1.00
March	5,389		5,389	410.6	1.00
April	2,196		2,196	167.4	1.00
May	714		714	54.3	1.00
June	151		151	7.3	1.00
Critical Care					
2015					
July	54		54	4.0	1.00
August	65		65	4.9	1.00
September	165		165	12.5	1.00
October	212		212	16.0	1.00
November	272		272	20.5	1.00
December	479		479	35.5	1.00
2016					
January	738		738	56.0	1.00
February	3,589		3,589	271.8	1.00
March	5,293		5,293	400.8	1.00
April	2,156		2,156	163.3	1.00
May	702		702	52.9	1.00
June	146		146	7.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2015</i>					
July	55		55	4.2	1.00
August	65		65	4.9	1.00
September	166		166	12.7	1.00
October	219		219	16.8	1.00
November	281		281	21.4	1.00
December	487		487	36.0	1.00
<i>2016</i>					
January	759		759	58.0	1.00
February	3,646		3,646	277.6	1.00
March	5,391		5,391	411.2	1.00
April	2,197		2,197	167.7	1.00
May	714		714	54.3	1.00
June	151		151	7.3	1.00
Death					
<i>2015</i>					
July	55		55	4.2	1.00
August	65		65	4.9	1.00
September	166		166	12.7	1.00
October	219		219	16.8	1.00
November	281		281	21.4	1.00
December	487		487	36.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	759		759	58.0	1.00
February	3,646		3,646	277.6	1.00
March	5,392		5,392	411.0	1.00
April	2,197		2,197	167.7	1.00
May	714		714	54.3	1.00
June	151		151	7.3	1.00
Discharge from hospital alive					
2015					
July	53		53	3.8	1.00
August	63		63	4.6	1.00
September	165		165	12.3	1.00
October	209		209	15.7	1.00
November	273		273	20.4	1.00
December	474		474	34.8	1.00
2016					
January	746		746	56.7	1.00
February	3,605		3,605	272.3	1.00
March	5,341		5,341	403.7	1.00
April	2,169		2,169	164.1	1.00
May	707		707	53.4	1.00
June	150		150	7.2	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
P and I - Treated 1-5 Days After Diagnosis					
Hospitalization					
<i>2015</i>					
July	65		65	4.7	1.00
August	90		90	6.6	1.00
September	204		204	15.1	1.00
October	285		285	21.0	1.00
November	361		361	26.4	1.00
December	594		594	42.8	1.00
<i>2016</i>					
January	938		938	70.3	1.00
February	4,486		4,486	334.1	1.00
March	6,560		6,560	489.4	1.00
April	2,684		2,684	199.5	1.00
May	859		859	63.9	1.00
June	182		182	8.8	1.00
BiPAP					
<i>2015</i>					
July	85		85	6.2	1.00
August	106		106	7.8	1.00
September	230		230	17.1	1.00
October	337		337	25.1	1.00
November	417		417	31.1	1.00
December	714		714	51.5	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	1,075		1,075	80.2	1.00
February	5,010		5,010	374.5	1.00
March	7,396		7,396	552.7	1.00
April	3,027		3,027	226.2	1.00
May	957		957	71.3	1.00
June	199		199	9.7	1.00
Supplemental oxygen					
2015					
July	77		77	5.7	1.00
August	91		91	6.7	1.00
September	220		220	16.2	1.00
October	308		308	22.7	1.00
November	383		383	27.8	1.00
December	642		642	45.8	1.00
2016					
January	994		994	73.2	1.00
February	4,641		4,641	343.1	1.00
March	6,789		6,789	503.3	1.00
April	2,750		2,750	204.0	1.00
May	896		896	65.9	1.00
June	180		180	8.8	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2015</i>					
July	85		85	6.3	1.00
August	105		105	7.8	1.00
September	230		230	17.3	1.00
October	337		337	25.2	1.00
November	418		418	31.0	1.00
December	712		712	51.3	1.00
<i>2016</i>					
January	1,072		1,072	80.1	1.00
February	4,997		4,997	374.0	1.00
March	7,374		7,374	552.3	1.00
April	3,013		3,013	225.8	1.00
May	952		952	71.2	1.00
June	199		199	9.7	1.00
Critical Care					
<i>2015</i>					
July	66		66	4.8	1.00
August	89		89	6.6	1.00
September	205		205	15.3	1.00
October	301		301	22.3	1.00
November	369		369	27.0	1.00
December	615		615	44.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	957		957	71.6	1.00
February	4,555		4,555	340.1	1.00
March	6,635		6,635	496.1	1.00
April	2,690		2,690	201.0	1.00
May	859		859	63.6	1.00
June	178		178	8.5	1.00
ECMO					
2015					
July	85		85	6.3	1.00
August	106		106	7.9	1.00
September	230		230	17.3	1.00
October	337		337	25.2	1.00
November	418		418	31.1	1.00
December	714		714	51.6	1.00
2016					
January	1,075		1,075	80.4	1.00
February	5,013		5,013	375.2	1.00
March	7,398		7,398	554.6	1.00
April	3,030		3,030	227.2	1.00
May	957		957	71.6	1.00
June	199		199	9.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2015</i>					
July	85		85	6.3	1.00
August	106		106	7.9	1.00
September	230		230	17.3	1.00
October	337		337	25.2	1.00
November	418		418	31.0	1.00
December	714		714	51.6	1.00
<i>2016</i>					
January	1,075		1,075	80.4	1.00
February	5,013		5,013	375.1	1.00
March	7,398		7,398	554.3	1.00
April	3,030		3,030	227.1	1.00
May	957		957	71.6	1.00
June	199		199	9.7	1.00
Discharge from hospital alive					
<i>2015</i>					
July	67		67	4.8	1.00
August	96		96	7.0	1.00
September	212		212	15.6	1.00
October	291		291	21.4	1.00
November	366		366	26.6	1.00
December	605		605	43.6	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	940		940	70.4	1.00
February	4,532		4,532	337.8	1.00
March	6,621		6,621	494.2	1.00
April	2,710		2,710	202.4	1.00
May	868		868	64.7	1.00
June	182		182	8.8	1.00
P and I - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
2015					
July	45,178		45,178	2,847.1	0.00
August	50,840		50,840	3,210.3	0.00
September	58,698		58,698	3,715.5	0.00
October	65,547		65,547	4,166.3	0.00
November	77,288		77,288	4,923.5	0.00
December	84,857		84,857	5,278.5	0.00
2016					
January	91,577		91,577	5,838.5	0.00
February	116,427		116,427	7,469.6	0.00
March	132,077		132,077	8,487.2	0.00
April	88,822		88,822	5,682.0	0.00
May	60,762		60,762	3,864.6	0.00
June	44,835		44,835	1,534.2	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2015</i>					
July	57,692		57,692	3,715.1	0.00
August	62,744		62,744	4,043.3	0.00
September	71,292		71,292	4,597.5	0.00
October	79,169		79,169	5,113.5	0.00
November	91,800		91,800	5,935.0	0.00
December	101,987		101,987	6,432.1	0.00
<i>2016</i>					
January	108,628		108,628	7,019.1	0.00
February	133,079		133,079	8,620.7	0.00
March	149,781		149,781	9,717.0	0.00
April	103,889		103,889	6,725.7	0.00
May	74,336		74,336	4,800.6	0.00
June	54,601		54,601	1,898.9	0.00
Supplemental oxygen					
<i>2015</i>					
July	52,046		52,046	3,302.4	0.00
August	56,775		56,775	3,606.9	0.00
September	64,136		64,136	4,076.7	0.00
October	70,549		70,549	4,493.1	0.00
November	81,655		81,655	5,202.9	0.00
December	89,699		89,699	5,579.7	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	97,059		97,059	6,181.1	0.00
February	120,891		120,891	7,750.4	0.00
March	137,115		137,115	8,808.6	0.00
April	94,585		94,585	6,047.9	0.00
May	66,505		66,505	4,236.7	0.00
June	49,334		49,334	1,693.1	0.00
Mechanical ventilation					
2015					
July	55,984		55,984	3,610.7	0.00
August	61,233		61,233	3,953.3	0.00
September	69,774		69,774	4,509.4	0.00
October	77,426		77,426	5,008.4	0.00
November	90,031		90,031	5,830.6	0.00
December	99,791		99,791	6,306.3	0.00
2016					
January	106,407		106,407	6,887.5	0.00
February	130,889		130,889	8,496.6	0.00
March	147,455		147,455	9,582.8	0.00
April	102,060		102,060	6,623.1	0.00
May	72,558		72,558	4,695.9	0.00
June	53,341		53,341	1,854.1	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2015</i>					
July	44,566		44,566	2,830.4	0.00
August	50,028		50,028	3,182.0	0.00
September	57,958		57,958	3,691.2	0.00
October	64,734		64,734	4,144.5	0.00
November	76,659		76,659	4,908.1	0.00
December	84,580		84,580	5,286.5	0.00
<i>2016</i>					
January	91,190		91,190	5,841.8	0.00
February	116,180		116,180	7,481.9	0.00
March	131,804		131,804	8,503.2	0.00
April	88,350		88,350	5,674.4	0.00
May	60,192		60,192	3,847.4	0.00
June	43,989		43,989	1,506.5	0.00
ECMO					
<i>2015</i>					
July	57,833		57,833	3,737.8	0.00
August	62,922		62,922	4,073.7	0.00
September	71,519		71,519	4,630.6	0.00
October	79,289		79,289	5,140.6	0.00
November	91,994		91,994	5,968.2	0.00
December	102,192		102,192	6,466.5	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	108,847		108,847	7,056.6	0.00
February	133,305		133,305	8,663.9	0.00
March	150,033		150,033	9,758.3	0.00
April	104,138		104,138	6,766.6	0.00
May	74,490		74,490	4,830.6	0.00
June	54,800		54,800	1,912.0	0.00
Death					
2015					
July	57,126		57,126	3,664.5	0.00
August	62,240		62,240	4,003.7	0.00
September	70,788		70,788	4,556.4	0.00
October	78,552		78,552	5,062.5	0.00
November	91,265		91,265	5,888.4	0.00
December	101,397		101,397	6,382.3	0.00
2016					
January	107,995		107,995	6,962.7	0.00
February	132,530		132,530	8,577.1	0.00
March	149,269		149,269	9,673.7	0.00
April	103,449		103,449	6,693.2	0.00
May	73,845		73,845	4,763.4	0.00
June	54,204		54,204	1,870.6	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive					
<i>2015</i>					
July	46,987		46,987	2,957.5	0.00
August	52,441		52,441	3,307.8	0.00
September	60,415		60,415	3,825.4	0.00
October	67,813		67,813	4,308.8	0.00
November	79,469		79,469	5,059.7	0.00
December	87,236		87,236	5,428.2	0.00
<i>2016</i>					
January	94,045		94,045	5,995.3	0.00
February	118,708		118,708	7,613.4	0.00
March	134,374		134,374	8,631.7	0.00
April	90,980		90,980	5,818.7	0.00
May	62,634		62,634	3,986.3	0.00
June	46,181		46,181	1,583.2	0.00
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
<i>2015</i>					
July	12,768		12,768		
August	12,186		12,186		
September	12,952		12,952		
October	13,893		13,893		
November	14,861		14,861		
December	17,805		17,805		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	17,542		17,542		
February	17,539		17,539		
March	18,916		18,916		
April	15,760		15,760		
May	13,913		13,913		
June	12,248		12,248		
BiPAP					
2015					
July	145		145		
August	189		189		
September	233		233		
October	132		132		
November	202		202		
December	224		224		
2016					
January	228		228		
February	254		254		
March	279		279		
April	262		262		
May	158		158		
June	238		238		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2015</i>					
July	5,822		5,822		
August	6,207		6,207		
September	7,429		7,429		
October	8,806		8,806		
November	10,415		10,415		
December	12,780		12,780		
<i>2016</i>					
January	11,921		11,921		
February	12,818		12,818		
March	13,550		13,550		
April	9,847		9,847		
May	8,069		8,069		
June	6,622		6,622		
Mechanical ventilation					
<i>2015</i>					
July	1,887		1,887		
August	1,735		1,735		
September	1,791		1,791		
October	1,913		1,913		
November	2,018		2,018		
December	2,488		2,488		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	2,491		2,491		
February	2,516		2,516		
March	2,687		2,687		
April	2,149		2,149		
May	1,975		1,975		
June	1,818		1,818		
Critical Care					
2015					
July	13,414		13,414		
August	13,027		13,027		
September	13,714		13,714		
October	14,723		14,723		
November	15,532		15,532		
December	18,081		18,081		
2016					
January	17,953		17,953		
February	17,745		17,745		
March	19,165		19,165		
April	16,271		16,271		
May	14,520		14,520		
June	13,264		13,264		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2015</i>					
July	4		4		
August	11		11		
September	6		6		
October	12		12		
November	9		9		
December	17		17		
<i>2016</i>					
January	9		9		
February	23		23		
March	25		25		
April	12		12		
May	4		4		
June	7		7		
Death					
<i>2015</i>					
July	828		828		
August	774		774		
September	824		824		
October	864		864		
November	851		851		
December	953		953		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	1,020		1,020		
February	928		928		
March	932		932		
April	818		818		
May	754		754		
June	716		716		
Discharge from hospital alive					
2015					
July	10,893		10,893		
August	10,533		10,533		
September	11,163		11,163		
October	11,559		11,559		
November	12,609		12,609		
December	15,304		15,304		
2016					
January	15,004		15,004		
February	15,130		15,130		
March	16,475		16,475		
April	13,512		13,512		
May	11,972		11,972		
June	10,589		10,589		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
<i>2015</i>					
July	0		0		
August	0		0		
September	6		6		
October	4		4		
November	0		0		
December	10		10		
<i>2016</i>					
January	13		13		
February	18		18		
March	28		28		
April	5		5		
May	10		10		
June	0		0		
BiPAP					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	1		1		
November	0		0		
December	2		2		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	0		0		
February	2		2		
March	6		6		
April	3		3		
May	1		1		
June	0		0		
Supplemental oxygen					
2015					
July	18		18		
August	21		21		
September	32		32		
October	93		93		
November	128		128		
December	177		177		
2016					
January	277		277		
February	970		970		
March	1,514		1,514		
April	618		618		
May	168		168		
June	33		33		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	1		1		
December	2		2		
<i>2016</i>					
January	0		0		
February	1		1		
March	0		0		
April	0		0		
May	4		4		
June	0		0		
Critical Care					
<i>2015</i>					
July	0		0		
August	0		0		
September	8		8		
October	8		8		
November	4		4		
December	5		5		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	14		14		
February	36		36		
March	41		41		
April	20		20		
May	7		7		
June	0		0		
ECMO					
2015					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2016					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2016</i>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Discharge from hospital alive					
<i>2015</i>					
July	0		0		
August	0		0		
September	2		2		
October	4		4		
November	0		0		
December	10		10		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	13		13		
February	18		18		
March	24		24		
April	5		5		
May	10		10		
June	0		0		
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
2015					
July	0		0		
August	0		0		
September	2		2		
October	5		5		
November	3		3		
December	3		3		
2016					
January	2		2		
February	14		14		
March	26		26		
April	11		11		
May	8		8		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2016</i>					
January	0		0		
February	0		0		
March	1		1		
April	2		2		
May	0		0		
June	0		0		
Supplemental oxygen					
<i>2015</i>					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	2		2		
December	4		4		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	6		6		
February	33		33		
March	42		42		
April	21		21		
May	0		0		
June	2		2		
Mechanical ventilation					
2015					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2016					
January	0		0		
February	0		0		
March	3		3		
April	1		1		
May	0		0		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2015</i>					
July	0		0		
August	0		0		
September	2		2		
October	3		3		
November	0		0		
December	1		1		
<i>2016</i>					
January	5		5		
February	16		16		
March	25		25		
April	13		13		
May	5		5		
June	3		3		
ECMO					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	0		0		
February	0		0		
March	1		1		
April	0		0		
May	0		0		
June	0		0		
Death					
2015					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2016					
January	0		0		
February	0		0		
March	1		1		
April	0		0		
May	0		0		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive					
<i>2015</i>					
July	0		0		
August	0		0		
September	2		2		
October	5		5		
November	3		3		
December	2		2		
<i>2016</i>					
January	2		2		
February	12		12		
March	18		18		
April	8		8		
May	5		5		
June	0		0		
MAARI - Treated Day of Diagnosis					
Hospitalization					
<i>2015</i>					
July	874		874	67.4	1.00
August	1,045		1,045	81.7	1.00
September	2,634		2,634	205.2	1.00
October	4,307		4,307	335.7	1.00
November	5,770		5,770	450.1	1.00
December	8,044		8,044	606.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12,067		12,067	946.1	1.00
February	45,690		45,690	3,583.9	1.00
March	72,804		72,804	5,722.6	1.00
April	29,472		29,472	2,316.2	1.00
May	9,424		9,424	738.7	1.00
June	2,060		2,060	100.6	1.00
BiPAP					
2015					
July	874		874	68.7	1.00
August	1,045		1,045	82.0	1.00
September	2,639		2,639	207.3	1.00
October	4,310		4,310	338.9	1.00
November	5,772		5,772	454.3	1.00
December	8,049		8,049	611.7	1.00
2016					
January	12,076		12,076	952.2	1.00
February	45,702		45,702	3,600.7	1.00
March	72,822		72,822	5,742.3	1.00
April	29,473		29,473	2,324.3	1.00
May	9,430		9,430	743.4	1.00
June	2,060		2,060	101.0	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2015</i>					
July	856		856	67.2	1.00
August	1,027		1,027	80.4	1.00
September	2,603		2,603	203.4	1.00
October	4,220		4,220	328.7	1.00
November	5,655		5,655	441.4	1.00
December	7,888		7,888	594.5	1.00
<i>2016</i>					
January	11,808		11,808	923.7	1.00
February	44,810		44,810	3,510.8	1.00
March	71,507		71,507	5,612.1	1.00
April	28,899		28,899	2,266.9	1.00
May	9,274		9,274	727.1	1.00
June	2,023		2,023	98.6	1.00
Mechanical ventilation					
<i>2015</i>					
July	874		874	68.8	1.00
August	1,045		1,045	82.5	1.00
September	2,639		2,639	207.8	1.00
October	4,311		4,311	339.7	1.00
November	5,772		5,772	455.2	1.00
December	8,052		8,052	612.9	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12,076		12,076	953.1	1.00
February	45,703		45,703	3,604.8	1.00
March	72,827		72,827	5,750.5	1.00
April	29,475		29,475	2,327.7	1.00
May	9,429		9,429	744.0	1.00
June	2,060		2,060	101.1	1.00
Critical Care					
2015					
July	874		874	67.7	1.00
August	1,045		1,045	81.9	1.00
September	2,635		2,635	205.5	1.00
October	4,307		4,307	336.3	1.00
November	5,766		5,766	451.7	1.00
December	8,050		8,050	608.5	1.00
2016					
January	12,066		12,066	947.1	1.00
February	45,670		45,670	3,587.9	1.00
March	72,793		72,793	5,728.4	1.00
April	29,459		29,459	2,319.0	1.00
May	9,428		9,428	740.3	1.00
June	2,060		2,060	100.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2015</i>					
July	874		874	68.9	1.00
August	1,045		1,045	82.5	1.00
September	2,639		2,639	207.8	1.00
October	4,311		4,311	339.7	1.00
November	5,772		5,772	455.3	1.00
December	8,052		8,052	613.1	1.00
<i>2016</i>					
January	12,076		12,076	953.4	1.00
February	45,704		45,704	3,605.9	1.00
March	72,827		72,827	5,752.3	1.00
April	29,475		29,475	2,328.9	1.00
May	9,430		9,430	744.5	1.00
June	2,060		2,060	101.1	1.00
Death					
<i>2015</i>					
July	874		874	68.8	1.00
August	1,045		1,045	82.5	1.00
September	2,639		2,639	207.7	1.00
October	4,311		4,311	339.7	1.00
November	5,772		5,772	455.4	1.00
December	8,052		8,052	613.1	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	12,076		12,076	953.4	1.00
February	45,704		45,704	3,605.8	1.00
March	72,825		72,825	5,751.8	1.00
April	29,475		29,475	2,328.8	1.00
May	9,430		9,430	744.4	1.00
June	2,060		2,060	101.1	1.00
Discharge from hospital alive					
2015					
July	874		874	67.5	1.00
August	1,045		1,045	81.7	1.00
September	2,636		2,636	205.4	1.00
October	4,307		4,307	336.1	1.00
November	5,770		5,770	450.3	1.00
December	8,044		8,044	607.0	1.00
2016					
January	12,067		12,067	946.6	1.00
February	45,690		45,690	3,585.8	1.00
March	72,806		72,806	5,725.7	1.00
April	29,472		29,472	2,317.3	1.00
May	9,424		9,424	739.5	1.00
June	2,060		2,060	100.6	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
MAARI - Treated After Day of Diagnosis					
Hospitalization					
<i>2015</i>					
July	70		70	5.2	1.00
August	89		89	6.8	1.00
September	225		225	16.8	1.00
October	290		290	21.8	1.00
November	382		382	28.7	1.00
December	588		588	42.7	1.00
<i>2016</i>					
January	902		902	68.5	1.00
February	4,091		4,091	309.5	1.00
March	5,813		5,813	438.5	1.00
April	2,414		2,414	181.7	1.00
May	818		818	62.0	1.00
June	176		176	8.6	1.00
BiPAP					
<i>2015</i>					
July	71		71	5.4	1.00
August	89		89	6.8	1.00
September	228		228	17.4	1.00
October	295		295	22.5	1.00
November	387		387	29.5	1.00
December	598		598	43.9	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	912		912	69.6	1.00
February	4,126		4,126	314.1	1.00
March	5,868		5,868	446.6	1.00
April	2,438		2,438	185.7	1.00
May	823		823	62.7	1.00
June	176		176	8.6	1.00
Supplemental oxygen					
2015					
July	68		68	5.2	1.00
August	87		87	6.6	1.00
September	220		220	16.7	1.00
October	280		280	21.0	1.00
November	361		361	27.1	1.00
December	554		554	40.2	1.00
2016					
January	861		861	65.1	1.00
February	3,930		3,930	296.2	1.00
March	5,532		5,532	418.9	1.00
April	2,299		2,299	174.3	1.00
May	794		794	59.8	1.00
June	166		166	8.1	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2015</i>					
July	71		71	5.4	1.00
August	89		89	6.8	1.00
September	228		228	17.5	1.00
October	295		295	22.5	1.00
November	389		389	29.6	1.00
December	598		598	44.0	1.00
<i>2016</i>					
January	912		912	69.8	1.00
February	4,129		4,129	314.7	1.00
March	5,866		5,866	447.0	1.00
April	2,437		2,437	186.0	1.00
May	823		823	62.8	1.00
June	176		176	8.6	1.00
Critical Care					
<i>2015</i>					
July	71		71	5.3	1.00
August	89		89	6.8	1.00
September	224		224	16.9	1.00
October	289		289	21.8	1.00
November	381		381	28.8	1.00
December	588		588	43.2	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	893		893	67.8	1.00
February	4,079		4,079	309.5	1.00
March	5,776		5,776	437.6	1.00
April	2,404		2,404	182.4	1.00
May	813		813	61.5	1.00
June	172		172	8.4	1.00
ECMO					
2015					
July	71		71	5.4	1.00
August	89		89	6.8	1.00
September	228		228	17.5	1.00
October	295		295	22.5	1.00
November	389		389	29.7	1.00
December	598		598	44.0	1.00
2016					
January	912		912	69.8	1.00
February	4,129		4,129	314.7	1.00
March	5,868		5,868	447.5	1.00
April	2,440		2,440	186.3	1.00
May	823		823	62.8	1.00
June	176		176	8.6	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2015</i>					
July	71		71	5.4	1.00
August	89		89	6.8	1.00
September	228		228	17.5	1.00
October	295		295	22.5	1.00
November	389		389	29.7	1.00
December	598		598	44.0	1.00
<i>2016</i>					
January	912		912	69.8	1.00
February	4,129		4,129	314.7	1.00
March	5,869		5,869	447.3	1.00
April	2,440		2,440	186.3	1.00
May	823		823	62.8	1.00
June	176		176	8.6	1.00
Discharge from hospital alive					
<i>2015</i>					
July	70		70	5.2	1.00
August	89		89	6.8	1.00
September	225		225	16.8	1.00
October	290		290	21.8	1.00
November	382		382	28.7	1.00
December	588		588	42.7	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	902		902	68.5	1.00
February	4,096		4,096	310.2	1.00
March	5,822		5,822	439.9	1.00
April	2,416		2,416	182.6	1.00
May	820		820	62.3	1.00
June	176		176	8.6	1.00
MAARI - Treated 1-5 Days After Diagnosis					
Hospitalization					
2015					
July	117		117	8.4	1.00
August	146		146	10.9	1.00
September	340		340	24.8	1.00
October	460		460	33.6	1.00
November	626		626	45.7	1.00
December	906		906	63.9	1.00
2016					
January	1,406		1,406	104.2	1.00
February	6,097		6,097	450.9	1.00
March	8,487		8,487	627.5	1.00
April	3,536		3,536	261.2	1.00
May	1,189		1,189	87.8	1.00
June	245		245	11.7	1.01

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2015</i>					
July	133		133	9.7	1.00
August	160		160	11.8	1.00
September	365		365	27.0	1.00
October	494		494	36.4	1.00
November	663		663	49.1	1.00
December	998		998	71.4	1.00
<i>2016</i>					
January	1,514		1,514	112.4	1.00
February	6,490		6,490	482.3	1.00
March	9,128		9,128	677.8	1.00
April	3,802		3,802	282.6	1.00
May	1,264		1,264	93.8	1.00
June	258		258	12.3	1.01
Supplemental oxygen					
<i>2015</i>					
July	122		122	9.0	1.00
August	146		146	10.8	1.00
September	350		350	25.7	1.00
October	464		464	34.0	1.00
November	627		627	45.7	1.00
December	923		923	65.2	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	1,422		1,422	104.5	1.00
February	6,100		6,100	448.5	1.00
March	8,476		8,476	625.6	1.00
April	3,515		3,515	259.6	1.00
May	1,203		1,203	88.5	1.00
June	238		238	11.3	1.01
Mechanical ventilation					
2015					
July	133		133	9.8	1.00
August	159		159	11.8	1.00
September	365		365	27.1	1.00
October	494		494	36.6	1.00
November	663		663	49.0	1.00
December	998		998	71.4	1.00
2016					
January	1,511		1,511	112.4	1.00
February	6,483		6,483	482.4	1.00
March	9,111		9,111	678.0	1.00
April	3,788		3,788	282.1	1.00
May	1,260		1,260	93.8	1.00
June	258		258	12.3	1.01

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2015</i>					
July	115		115	8.3	1.00
August	144		144	10.7	1.00
September	341		341	25.0	1.00
October	466		466	34.3	1.00
November	628		628	46.0	1.00
December	916		916	65.4	1.00
<i>2016</i>					
January	1,410		1,410	104.5	1.00
February	6,124		6,124	453.9	1.00
March	8,531		8,531	633.0	1.00
April	3,526		3,526	261.6	1.00
May	1,179		1,179	86.6	1.00
June	241		241	11.4	1.01
ECMO					
<i>2015</i>					
July	133		133	9.8	1.00
August	160		160	11.9	1.00
September	365		365	27.1	1.00
October	494		494	36.6	1.00
November	665		665	49.3	1.00
December	998		998	71.6	1.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	1,514		1,514	112.8	1.00
February	6,493		6,493	483.3	1.00
March	9,131		9,131	679.8	1.00
April	3,804		3,804	283.4	1.00
May	1,264		1,264	94.0	1.00
June	258		258	12.3	1.01
Death					
2015					
July	133		133	9.8	1.00
August	160		160	11.9	1.00
September	365		365	27.1	1.00
October	494		494	36.6	1.00
November	665		665	49.2	1.00
December	998		998	71.6	1.00
2016					
January	1,514		1,514	112.8	1.00
February	6,493		6,493	483.2	1.00
March	9,131		9,131	679.6	1.00
April	3,804		3,804	283.3	1.00
May	1,264		1,264	94.0	1.00
June	258		258	12.3	1.01

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive					
<i>2015</i>					
July	119		119	8.6	1.00
August	150		150	11.1	1.00
September	346		346	25.2	1.00
October	462		462	33.7	1.00
November	630		630	45.9	1.00
December	915		915	64.5	1.00
<i>2016</i>					
January	1,408		1,408	104.3	1.00
February	6,139		6,139	454.3	1.00
March	8,540		8,540	632.3	1.00
April	3,559		3,559	263.6	1.00
May	1,195		1,195	88.4	1.00
June	246		246	11.7	1.01
MAARI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
<i>2015</i>					
July	428,733		428,733	27,912.8	0.00
August	478,352		478,352	31,139.2	0.00
September	625,192		625,192	40,676.1	0.00
October	667,085		667,085	43,459.1	0.00
November	763,005		763,005	49,632.1	0.00
December	880,346		880,346	55,852.5	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	803,519		803,519	52,336.4	0.00
February	894,933		894,933	58,322.7	0.00
March	870,484		870,484	56,717.1	0.00
April	644,848		644,848	42,015.5	0.00
May	580,740		580,740	37,812.6	0.00
June	368,714		368,714	12,983.7	0.00
BiPAP					
2015					
July	431,131		431,131	28,137.5	0.00
August	480,821		480,821	31,374.4	0.00
September	627,886		627,886	40,942.5	0.00
October	670,210		670,210	43,764.7	0.00
November	766,242		766,242	49,948.3	0.00
December	884,242		884,242	56,209.0	0.00
2016					
January	807,712		807,712	52,723.6	0.00
February	899,256		899,256	58,712.4	0.00
March	875,443		875,443	57,155.4	0.00
April	648,213		648,213	42,327.0	0.00
May	583,549		583,549	38,065.9	0.00
June	370,500		370,500	13,069.2	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2015</i>					
July	423,173		423,173	27,574.4	0.00
August	471,126		471,126	30,676.9	0.00
September	613,803		613,803	39,932.6	0.00
October	654,330		654,330	42,619.6	0.00
November	748,235		748,235	48,648.3	0.00
December	863,314		863,314	54,751.8	0.00
<i>2016</i>					
January	788,277		788,277	51,325.6	0.00
February	878,081		878,081	57,207.1	0.00
March	854,754		854,754	55,690.2	0.00
April	632,804		632,804	41,241.0	0.00
May	570,734		570,734	37,169.3	0.00
June	362,728		362,728	12,773.9	0.00
Mechanical ventilation					
<i>2015</i>					
July	431,282		431,282	28,178.9	0.00
August	481,033		481,033	31,418.5	0.00
September	628,232		628,232	41,010.3	0.00
October	670,477		670,477	43,833.2	0.00
November	766,523		766,523	50,028.0	0.00
December	884,640		884,640	56,312.7	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	808,033		808,033	52,812.5	0.00
February	899,607		899,607	58,811.5	0.00
March	875,663		875,663	57,238.8	0.00
April	648,479		648,479	42,397.5	0.00
May	583,816		583,816	38,128.3	0.00
June	370,710		370,710	13,087.8	0.00
Critical Care					
2015					
July	428,848		428,848	27,951.9	0.00
August	478,581		478,581	31,185.6	0.00
September	625,406		625,406	40,734.5	0.00
October	667,231		667,231	43,518.6	0.00
November	763,184		763,184	49,702.6	0.00
December	880,607		880,607	55,929.8	0.00
2016					
January	803,709		803,709	52,406.4	0.00
February	895,172		895,172	58,395.4	0.00
March	870,621		870,621	56,786.4	0.00
April	644,836		644,836	42,060.8	0.00
May	580,901		580,901	37,858.9	0.00
June	368,718		368,718	12,995.3	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2015</i>					
July	431,460		431,460	28,196.8	0.00
August	481,193		481,193	31,434.8	0.00
September	628,408		628,408	41,028.8	0.00
October	670,715		670,715	43,857.7	0.00
November	766,830		766,830	50,056.5	0.00
December	884,980		884,980	56,343.2	0.00
<i>2016</i>					
January	808,376		808,376	52,844.3	0.00
February	900,020		900,020	58,849.2	0.00
March	876,148		876,148	57,281.8	0.00
April	648,769		648,769	42,424.8	0.00
May	584,041		584,041	38,150.6	0.00
June	370,869		370,869	13,095.5	0.00
Death					
<i>2015</i>					
July	431,408		431,408	28,190.1	0.00
August	481,133		481,133	31,427.8	0.00
September	628,368		628,368	41,023.0	0.00
October	670,642		670,642	43,847.7	0.00
November	766,755		766,755	50,045.2	0.00
December	884,897		884,897	56,330.7	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	808,280		808,280	52,829.4	0.00
February	899,947		899,947	58,838.0	0.00
March	876,049		876,049	57,266.9	0.00
April	648,693		648,693	42,415.0	0.00
May	583,976		583,976	38,143.0	0.00
June	370,812		370,812	13,091.3	0.00
Discharge from hospital alive					
2015					
July	428,990		428,990	27,935.0	0.00
August	478,572		478,572	31,161.2	0.00
September	625,466		625,466	40,704.9	0.00
October	667,488		667,488	43,499.5	0.00
November	763,376		763,376	49,668.8	0.00
December	880,791		880,791	55,900.2	0.00
2016					
January	804,107		804,107	52,398.4	0.00
February	895,511		895,511	58,383.5	0.00
March	871,123		871,123	56,782.3	0.00
April	645,319		645,319	42,065.3	0.00
May	581,156		581,156	37,853.7	0.00
June	368,957		368,957	12,997.2	0.00

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
<i>2015</i>					
July	2,748		2,748		
August	2,867		2,867		
September	3,248		3,248		
October	3,678		3,678		
November	3,873		3,873		
December	4,795		4,795		
<i>2016</i>					
January	4,974		4,974		
February	5,495		5,495		
March	6,322		6,322		
April	4,189		4,189		
May	3,382		3,382		
June	2,540		2,540		
BiPAP					
<i>2015</i>					
July	332		332		
August	374		374		
September	528		528		
October	512		512		
November	592		592		
December	751		751		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	669		669		
February	783		783		
March	722		722		
April	562		562		
May	493		493		
June	426		426		
Supplemental oxygen					
2015					
July	8,316		8,316		
August	10,104		10,104		
September	14,662		14,662		
October	16,460		16,460		
November	18,676		18,676		
December	22,058		22,058		
2016					
January	20,240		20,240		
February	22,324		22,324		
March	22,021		22,021		
April	16,257		16,257		
May	13,389		13,389		
June	9,704		9,704		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2015</i>					
July	183		183		
August	165		165		
September	181		181		
October	244		244		
November	315		315		
December	349		349		
<i>2016</i>					
January	352		352		
February	441		441		
March	522		522		
April	314		314		
May	234		234		
June	204		204		
Critical Care					
<i>2015</i>					
July	2,641		2,641		
August	2,643		2,643		
September	3,031		3,031		
October	3,526		3,526		
November	3,706		3,706		
December	4,530		4,530		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	4,789		4,789		
February	5,241		5,241		
March	6,152		6,152		
April	4,215		4,215		
May	3,234		3,234		
June	2,533		2,533		
ECMO					
2015					
July	2		2		
August	1		1		
September	2		2		
October	4		4		
November	2		2		
December	0		0		
2016					
January	5		5		
February	14		14		
March	14		14		
April	6		6		
May	0		0		
June	1		1		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2015</i>					
July	66		66		
August	75		75		
September	54		54		
October	86		86		
November	95		95		
December	102		102		
<i>2016</i>					
January	126		126		
February	99		99		
March	137		137		
April	96		96		
May	74		74		
June	62		62		
Discharge from hospital alive					
<i>2015</i>					
July	2,487		2,487		
August	2,636		2,636		
September	2,962		2,962		
October	3,268		3,268		
November	3,492		3,492		
December	4,330		4,330		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	4,379		4,379		
February	4,872		4,872		
March	5,625		5,625		
April	3,695		3,695		
May	2,957		2,957		
June	2,236		2,236		
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
2015					
July	0		0		
August	0		0		
September	5		5		
October	4		4		
November	2		2		
December	8		8		
2016					
January	9		9		
February	14		14		
March	23		23		
April	3		3		
May	6		6		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	1		1		
November	0		0		
December	3		3		
<i>2016</i>					
January	0		0		
February	2		2		
March	5		5		
April	2		2		
May	0		0		
June	0		0		
Supplemental oxygen					
<i>2015</i>					
July	18		18		
August	18		18		
September	36		36		
October	91		91		
November	117		117		
December	164		164		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	268		268		
February	894		894		
March	1,322		1,322		
April	576		576		
May	156		156		
June	40		40		
Mechanical ventilation					
2015					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2016					
January	0		0		
February	1		1		
March	0		0		
April	0		0		
May	1		1		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2015</i>					
July	0		0		
August	0		0		
September	4		4		
October	4		4		
November	6		6		
December	2		2		
<i>2016</i>					
January	10		10		
February	34		34		
March	34		34		
April	16		16		
May	2		2		
June	0		0		
ECMO					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Death					
2015					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2016					
January	0		0		
February	0		0		
March	2		2		
April	0		0		
May	0		0		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive					
<i>2015</i>					
July	0		0		
August	0		0		
September	3		3		
October	4		4		
November	2		2		
December	8		8		
<i>2016</i>					
January	9		9		
February	14		14		
March	21		21		
April	3		3		
May	6		6		
June	0		0		
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
<i>2015</i>					
July	0		0		
August	0		0		
September	4		4		
October	1		1		
November	3		3		
December	2		2		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	3		3		
February	15		15		
March	24		24		
April	11		11		
May	4		4		
June	0		0		
BiPAP					
2015					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2016					
January	0		0		
February	0		0		
March	1		1		
April	2		2		
May	0		0		
June	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2015</i>					
July	2		2		
August	5		5		
September	0		0		
October	1		1		
November	5		5		
December	13		13		
<i>2016</i>					
January	10		10		
February	69		69		
March	97		97		
April	37		37		
May	5		5		
June	4		4		
Mechanical ventilation					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	0		0		
February	0		0		
March	3		3		
April	2		2		
May	0		0		
June	0		0		
Critical Care					
2015					
July	0		0		
August	0		0		
September	5		5		
October	3		3		
November	1		1		
December	3		3		
2016					
January	6		6		
February	18		18		
March	23		23		
April	16		16		
May	4		4		
June	3		3		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2016</i>					
January	0		0		
February	0		0		
March	1		1		
April	0		0		
May	0		0		
June	0		0		
Death					
<i>2015</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2016					
January	0		0		
February	0		0		
March	1		1		
April	0		0		
May	0		0		
June	0		0		
Discharge from hospital alive					
2015					
July	0		0		
August	0		0		
September	4		4		
October	1		1		
November	3		3		
December	1		1		
2016					
January	3		3		
February	13		13		
March	15		15		
April	9		9		
May	2		2		
June	0		0		

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period
Data are not presented in shaded cells due to their inability to be calculated

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI						
Total						
<i>2015</i>						
July	1.2	5				3,454,389.30
August	1.3	5				3,478,185.20
September	1.7	5				3,375,164.80
October	1.76	5				3,482,722.10
November	2.08	5.27				3,373,625.7
December	2.23	5				3,481,786.90
<i>2016</i>						
January	2.46	5				3,218,449.60
February	3.03	5				3,013,170.40
March	3.05	5				3,222,760.90
April	2.86	5.27				3,143,655
May	2.58	5				3,258,046.70
June	1.94	5				3,169,845.10
Treated on Day of Diagnosis						
<i>2015</i>						
July	5.24	5				
August	5.19	5.19				
September	5.23	5				
October	5.25	5				
November	5.29	5				
December	5.26	5				

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.25	5.25				
February	5.31	5.31				
March	5.30	5.29				
April	5.30	5.30				
May	5.28	5.28				
June	5.32	5.31				
Treated Day After Diagnosis						
2015						
July	5.21	5.21				
August	5.02	5.02				
September	5.18	5.18				
October	5.72	5.72				
November	5.14	5.14				
December	5.33	5.33				
2016						
January	5.26	5.26				
February	5.33	5.33				
March	5.29	5.29				
April	5.24	5.24				
May	5.27	5.26				
June	5.08	5.08				

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Treated 1-5 Days After Diagnosis						
<i>2015</i>						
July	4.61	4.61				
August	4.82	4.82				
September	5.02	5.02				
October	5.21	5.21				
November	5.03	5.03				
December	5.06	5.06				
<i>2016</i>						
January	5.02	5.02				
February	5.15	5.15				
March	5.04	5.04				
April	4.99	4.99				
May	5.11	5.10				
June	4.83	4.83				
NOT Treated Within 5 Days of Diagnosis						
<i>2015</i>						
July	0.00					
August	0.00					
September	0.00					
October	0.00					
November	0.00					
December	0.00					

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00					
February	0.00					
March	0.00					
April	0.00					
May	0.00					
June	0.00					
P and I						
Total						
2015						
July	0.07	5.18				3,447,932.5
August	0.08	5.15				3,472,141.5
September	0.18	5.20				3,369,082.6
October	0.28	5.24				3,475,663.6
November	0.32	5.27				3,366,018.6
December	0.40	5.23				3,472,895.8
2016						
January	0.57	5.23				3,209,353.9
February	1.53	5.29				3,004,334.5
March	1.93	5.27				3,213,203.2
April	1.31	5.27				3,135,370.7
May	0.66	5.26				3,250,534.5
June	0.18	5.26				3,163,293.3

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Treated on Day of Diagnosis						
<i>2015</i>						
July	5.23	5.23				
August	5.19	5.19				
September	5.23	5.23				
October	5.25	5.25				
November	5.29	5.29				
December	5.26	5.26				
<i>2016</i>						
January	5.25	5.25				
February	5.31	5.31				
March	5.29	5.29				
April	5.30	5.30				
May	5.28	5.28				
June	5.32	5.31				
Treated Day After Diagnosis						
<i>2015</i>						
July	5.27	5.27				
August	5.05	5.05				
September	5.23	5.23				
October	5.64	5.64				
November	5.13	5.13				
December	5.38	5.38				

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.25	5.24				
February	5.33	5.33				
March	5.30	5.30				
April	5.25	5.25				
May	5.28	5.27				
June	5.13	5.13				
Treated 1-5 Days After Diagnosis						
2015						
July	4.71	4.71				
August	4.75	4.75				
September	5.05	5.05				
October	5.15	5.15				
November	4.99	4.99				
December	5.07	5.07				
2016						
January	5.00	4.99				
February	5.13	5.13				
March	5.03	5.03				
April	4.99	4.98				
May	5.10	5.09				
June	4.83	4.83				

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
NOT Treated Within 5 Days of Diagnosis						
<i>2015</i>						
July	0.00	-				
August	0.00					
September	0.00					
October	0.00					
November	0.00					
December	0.00					
<i>2016</i>						
January	0.00					
February	0.00					
March	0.00					
April	0.00					
May	0.00					
June	0.00					
MAARI						
Total						
<i>2015</i>						
July	0.01	5.21				3,413,644.4
August	0.01	5.17				3,440,287.1
September	0.02	5.22				3,328,203.0
October	0.04	5.27				3,425,916.9
November	0.04	5.31				3,311,975.6
December	0.05	5.23				3,408,741.7

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.09	5.27				3,148,835.8
February	0.29	5.31				2,943,002.7
March	0.45	5.31				3,145,830.7
April	0.26	5.30				3,083,157.8
May	0.10	5.29				3,204,318.3
June	0.03	5.28				3,126,476.8
Treated on Day of Diagnosis						
2015						
July	5.26	5.26				
August	5.18	5.18				
September	5.23	5.22				
October	5.26	5.25				
November	5.31	5.31				
December	5.25	5.25				
2016						
January	5.27	5.26				
February	5.32	5.31				
March	5.32	5.32				
April	5.31	5.31				
May	5.31	5.30				
June	5.32	5.32				

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Treated Day After Diagnosis						
<i>2015</i>						
July	5.21	5.21				
August	5.21	5.21				
September	5.27	5.27				
October	5.76	5.76				
November	5.43	5.43				
December	5.34	5.34				
<i>2016</i>						
January	5.31	5.31				
February	5.40	5.39				
March	5.36	5.36				
April	5.31	5.30				
May	5.30	5.29				
June	5.15	5.15				
Treated 1-5 Days After Diagnosis						
<i>2015</i>						
July	4.90	4.90				
August	5.16	5.16				
September	5.24	5.24				
October	5.40	5.40				
November	5.31	5.31				
December	5.22	5.22				

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.30	5.29				
February	5.31	5.31				
March	5.24	5.24				
April	5.18	5.18				
May	5.24	5.23				
June	5.05	5.01				
NOT Treated Within 5 Days of Diagnosis						
2015						
July	0.00					
August	0.00					
September	0.00					
October	0.00					
November	0.00					
December	0.00					
2016						
January	0.00					
February	0.00					
March	0.00					
April	0.00					
May	0.00					
June	0.00					

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI - Treated Day of Diagnosis						
Hospitalization						
<i>2015</i>						
July	5.24	5.24	15	21.74	280.90	
August	5.19	5.19	11	12.66	161.53	
September	5.23	5.23	35	15.34	196.74	
October	5.25	5.25	73	17.76	228.20	
November	5.29	5.29	93	16.57	212.96	
December	5.26	5.26	115	14.81	196.51	
<i>2016</i>						
January	5.26	5.25	117	9.54	121.67	
February	5.31	5.31	384	7.76	98.90	
March	5.30	5.29	580	7.27	92.51	
April	5.30	5.30	257	8.18	104.12	
May	5.28	5.28	90	9.16	116.72	
June	5.32	5.31	17	8.20	166.83	
Bilevel Positive Airway Pressure (BiPAP)						
<i>2015</i>						
July	5.24	5.24	6	8.70	110.91	
August	5.19	5.19	8	9.21	117.13	
September	5.23	5.23	10	4.38	55.59	
October	5.25	5.25	25	6.08	77.28	
November	5.29	5.29	32	5.70	72.48	
December	5.26	5.26	24	3.09	40.63	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.25	5.25	33	2.69	34.12	
February	5.31	5.31	133	2.69	34.12	
March	5.30	5.29	252	3.16	40.06	
April	5.30	5.30	104	3.31	41.97	
May	5.28	5.28	21	2.14	27.08	
June	5.32	5.31	4	1.93	39.06	
Supplemental oxygen						
2015						
July	5.24	5.24	4	5.94	75.76	
August	5.20	5.20	8	9.40	119.76	
September	5.23	5.23	22	9.77	124.86	
October	5.25	5.25	69	17.15	220.17	
November	5.29	5.28	92	16.75	215.00	
December	5.26	5.26	122	16.05	213.25	
2016						
January	5.25	5.25	162	13.50	172.58	
February	5.31	5.30	502	10.35	132.07	
March	5.30	5.29	707	9.03	115.07	
April	5.31	5.30	316	10.26	130.81	
May	5.28	5.28	91	9.41	119.96	
June	5.32	5.31	17	8.33	169.49	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2015</i>						
July	5.24	5.24	1	1.45	18.42	
August	5.19	5.19	0	0.00	0.00	
September	5.23	5.23	0	0.00	0.00	
October	5.25	5.25	3	0.73	9.24	
November	5.29	5.29	3	0.53	6.78	
December	5.26	5.26	5	0.64	8.45	
<i>2016</i>						
January	5.25	5.25	5	0.41	5.16	
February	5.31	5.31	13	0.26	3.33	
March	5.30	5.29	32	0.40	5.08	
April	5.30	5.30	19	0.60	7.66	
May	5.28	5.28	5	0.51	6.44	
June	5.32	5.31	0	0.00	0.00	
Critical Care						
<i>2015</i>						
July	5.24	5.24	13	18.84	242.54	
August	5.19	5.19	8	9.21	117.30	
September	5.23	5.23	28	12.29	157.13	
October	5.25	5.25	62	15.09	193.39	
November	5.29	5.29	65	11.59	148.33	
December	5.26	5.26	82	10.55	139.65	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.26	5.25	92	7.50	95.59	
February	5.31	5.31	279	5.64	71.79	
March	5.30	5.29	417	5.23	66.45	
April	5.30	5.30	163	5.19	65.96	
May	5.28	5.28	72	7.32	93.19	
June	5.32	5.31	15	7.24	147.06	
Extracorporeal membrane oxygenation (ECMO)						
2015						
July	5.24	5.24	0	0.00	0.00	
August	5.19	5.19	0	0.00	0.00	
September	5.23	5.23	0	0.00	0.00	
October	5.25	5.25	0	0.00	0.00	
November	5.29	5.29	1	0.18	2.26	
December	5.26	5.26	0	0.00	0.00	
2016						
January	5.25	5.25	0	0.00	0.00	
February	5.31	5.31	1	0.02	0.26	
March	5.30	5.29	1	0.01	0.16	
April	5.30	5.30	0	0.00	0.00	
May	5.28	5.28	0	0.00	0.00	
June	5.32	5.31	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2015</i>						
July	5.24	5.24	2	2.90	36.83	
August	5.19	5.19	0	0.00	0.00	
September	5.23	5.23	2	0.88	11.10	
October	5.25	5.25	2	0.49	6.16	
November	5.29	5.29	3	0.53	6.78	
December	5.26	5.26	0	0.00	0.00	
<i>2016</i>						
January	5.25	5.25	0	0.00	0.00	
February	5.31	5.31	6	0.12	1.54	
March	5.30	5.29	13	0.16	2.06	
April	5.30	5.30	2	0.06	0.81	
May	5.28	5.28	3	0.31	3.86	
June	5.32	5.31	0	0.00	0.00	
Discharge from hospital alive						
<i>2015</i>						
July	5.24	5.24	14	20.29	262.17	
August	5.19	5.19	11	12.66	161.53	
September	5.23	5.23	33	14.45	185.29	
October	5.25	5.25	66	16.05	205.99	
November	5.29	5.29	88	15.68	201.42	
December	5.26	5.26	103	13.26	175.92	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.26	5.25	106	8.65	110.19	
February	5.31	5.31	341	6.89	87.78	
March	5.30	5.29	508	6.37	80.98	
April	5.30	5.30	232	7.39	93.95	
May	5.28	5.28	75	7.63	97.16	
June	5.32	5.31	15	7.24	147.06	
ILI - Treated Day After Diagnosis						
Hospitalization						
2015						
July	5.24	5.24	4	80.00	1,111.11	
August	5.02	5.02	2	32.79	444.44	
September	5.18	5.18	9	53.25	714.29	
October	5.78	5.78	5	25.38	337.84	
November	5.17	5.17	6	22.81	304.57	
December	5.33	5.33	10	21.69	295.86	
2016						
January	5.25	5.24	8	11.07	145.72	
February	5.34	5.33	46	12.91	171.13	
March	5.30	5.30	96	18.17	241.08	
April	5.24	5.24	47	21.91	291.56	
May	5.27	5.27	10	14.25	188.68	
June	5.08	5.08	4	27.40	579.71	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2015</i>						
July	5.21	5.21	1	19.23	256.41	
August	5.02	5.02	1	16.39	217.39	
September	5.18	5.18	1	5.88	76.92	
October	5.72	5.72	0	0.00	0.00	
November	5.14	5.14	0	0.00	0.00	
December	5.33	5.33	2	4.24	57.14	
<i>2016</i>						
January	5.26	5.26	3	4.09	53.57	
February	5.33	5.32	10	2.78	36.51	
March	5.29	5.29	27	5.05	66.42	
April	5.24	5.24	13	5.99	78.64	
May	5.27	5.26	3	4.23	55.56	
June	5.08	5.08	2	13.61	285.71	
Supplemental oxygen						
<i>2015</i>						
July	5.22	5.22	0	0.00	0.00	
August	5.02	5.02	2	33.33	454.55	
September	5.19	5.19	1	6.13	80.65	
October	5.79	5.79	3	15.87	209.79	
November	5.13	5.13	6	24.39	324.32	
December	5.37	5.37	9	20.69	282.13	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.28	5.27	11	15.99	211.54	
February	5.35	5.34	48	14.12	187.43	
March	5.31	5.31	65	12.96	171.64	
April	5.27	5.26	24	11.89	157.07	
May	5.27	5.27	13	19.01	253.41	
June	5.09	5.09	3	21.58	454.55	
Mechanical ventilation						
2015						
July	5.21	5.21	0	0.00	0.00	
August	5.02	5.02	0	0.00	0.00	
September	5.18	5.18	0	0.00	0.00	
October	5.72	5.72	0	0.00	0.00	
November	5.14	5.14	0	0.00	0.00	
December	5.33	5.33	0	0.00	0.00	
2016						
January	5.26	5.26	0	0.00	0.00	
February	5.33	5.33	0	0.00	0.00	
March	5.29	5.29	10	1.87	24.59	
April	5.25	5.24	3	1.38	18.11	
May	5.27	5.26	1	1.41	18.52	
June	5.08	5.08	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2015</i>						
July	5.22	5.22	3	58.82	810.81	
August	5.02	5.02	1	16.39	217.39	
September	5.18	5.18	5	29.59	390.63	
October	5.76	5.76	3	15.15	201.34	
November	5.18	5.18	4	15.27	202.02	
December	5.35	5.35	3	6.48	86.96	
<i>2016</i>						
January	5.26	5.25	8	11.22	147.87	
February	5.35	5.34	26	7.34	96.91	
March	5.30	5.30	68	12.96	171.41	
April	5.24	5.24	22	10.32	136.22	
May	5.28	5.27	8	11.48	152.09	
June	5.08	5.08	2	14.08	298.51	
ECMO						
<i>2015</i>						
July	5.21	5.21	0	0.00	0.00	
August	5.02	5.02	0	0.00	0.00	
September	5.18	5.18	0	0.00	0.00	
October	5.72	5.72	0	0.00	0.00	
November	5.14	5.14	0	0.00	0.00	
December	5.33	5.33	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.26	5.26	0	0.00	0.00	
February	5.33	5.33	0	0.00	0.00	
March	5.29	5.29	0	0.00	0.00	
April	5.24	5.24	0	0.00	0.00	
May	5.27	5.26	0	0.00	0.00	
June	5.08	5.08	0	0.00	0.00	
Death						
2015						
July	5.21	5.21	0	0.00	0.00	
August	5.02	5.02	0	0.00	0.00	
September	5.18	5.18	0	0.00	0.00	
October	5.72	5.72	0	0.00	0.00	
November	5.14	5.14	0	0.00	0.00	
December	5.33	5.33	0	0.00	0.00	
2016						
January	5.26	5.26	0	0.00	0.00	
February	5.33	5.33	0	0.00	0.00	
March	5.29	5.29	8	1.50	19.65	
April	5.24	5.24	0	0.00	0.00	
May	5.27	5.26	0	0.00	0.00	
June	5.08	5.08	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive						
<i>2015</i>						
July	5.24	5.24	4	80.00	1,111.11	
August	5.02	5.02	2	32.79	444.44	
September	5.18	5.18	9	53.25	714.29	
October	5.78	5.78	5	25.38	337.84	
November	5.17	5.17	6	22.81	304.57	
December	5.33	5.33	8	17.35	235.99	
<i>2016</i>						
January	5.25	5.24	8	11.07	145.72	
February	5.34	5.33	40	11.22	148.48	
March	5.30	5.30	76	14.36	190.14	
April	5.24	5.24	32	14.89	197.17	
May	5.27	5.27	8	11.36	150.38	
June	5.08	5.08	3	20.55	434.78	
ILI - Treated 1-5 Days After Diagnosis						
Hospitalization						
<i>2015</i>						
July	5.00	5.00	4	63.49	888.89	
August	4.94	4.94	4	48.19	655.74	
September	5.14	5.14	10	49.50	666.67	
October	5.51	5.51	7	26.82	362.69	
November	5.14	5.14	8	23.67	321.29	
December	5.27	5.27	14	24.65	341.46	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.17	5.16	10	11.12	148.15	
February	5.30	5.29	69	15.74	211.14	
March	5.21	5.21	130	20.06	269.15	
April	5.14	5.13	57	21.61	290.52	
May	5.23	5.23	19	22.38	301.11	
June	4.93	4.93	4	22.73	481.93	
BiPAP						
2015						
July	4.61	4.61	2	25.32	344.83	
August	4.82	4.82	1	10.99	149.25	
September	5.02	5.02	3	13.45	179.64	
October	5.21	5.21	3	9.93	132.74	
November	5.04	5.04	0	0.00	0.00	
December	5.06	5.06	4	6.05	83.33	
2016						
January	5.02	5.02	5	4.99	66.67	
February	5.15	5.14	16	3.33	44.42	
March	5.04	5.04	49	6.83	91.23	
April	4.99	4.99	18	6.14	82.00	
May	5.11	5.10	7	7.55	101.16	
June	4.83	4.83	2	10.53	219.78	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2015</i>						
July	4.65	4.65	0	0.00	0.00	
August	4.86	4.86	2	24.10	327.87	
September	5.01	5.01	4	18.87	254.78	
October	5.28	5.28	5	18.32	246.31	
November	5.03	5.03	12	34.48	468.75	
December	5.09	5.09	15	24.88	346.42	
<i>2016</i>						
January	5.05	5.04	19	20.39	275.36	
February	5.19	5.18	78	17.45	235.58	
March	5.07	5.07	113	17.10	230.33	
April	5.04	5.04	46	17.24	232.44	
May	5.14	5.14	21	24.05	326.09	
June	4.89	4.89	3	17.44	361.45	
Mechanical ventilation						
<i>2015</i>						
July	4.61	4.61	0	0.00	0.00	
August	4.83	4.83	0	0.00	0.00	
September	5.02	5.02	0	0.00	0.00	
October	5.21	5.21	0	0.00	0.00	
November	5.03	5.03	2	5.35	71.43	
December	5.06	5.06	4	6.05	83.51	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.03	5.03	2	2.00	26.70	
February	5.16	5.15	2	0.42	5.56	
March	5.04	5.04	13	1.82	24.21	
April	5.00	5.00	5	1.71	22.85	
May	5.11	5.11	1	1.08	14.47	
June	4.83	4.83	0	0.00	0.00	
Critical Care						
2015						
July	4.97	4.97	3	48.39	666.67	
August	4.97	4.97	3	38.46	517.24	
September	5.14	5.14	6	29.56	394.74	
October	5.37	5.37	4	14.65	197.04	
November	5.08	5.08	8	23.39	317.46	
December	5.24	5.24	8	13.75	188.24	
2016						
January	5.13	5.12	10	11.12	148.59	
February	5.29	5.29	49	11.13	148.89	
March	5.18	5.18	98	15.06	201.40	
April	5.14	5.14	35	13.38	178.94	
May	5.24	5.24	20	23.81	322.06	
June	4.93	4.93	2	11.70	250.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2015</i>						
July	4.61	4.61	0	0.00	0.00	
August	4.82	4.82	0	0.00	0.00	
September	5.02	5.02	0	0.00	0.00	
October	5.21	5.21	0	0.00	0.00	
November	5.03	5.03	0	0.00	0.00	
December	5.06	5.06	0	0.00	0.00	
<i>2016</i>						
January	5.02	5.02	0	0.00	0.00	
February	5.15	5.15	0	0.00	0.00	
March	5.04	5.04	0	0.00	0.00	
April	4.99	4.99	0	0.00	0.00	
May	5.11	5.10	0	0.00	0.00	
June	4.83	4.83	0	0.00	0.00	
Death						
<i>2015</i>						
July	4.61	4.61	0	0.00	0.00	
August	4.82	4.82	0	0.00	0.00	
September	5.02	5.02	0	0.00	0.00	
October	5.21	5.21	0	0.00	0.00	
November	5.03	5.03	2	5.32	71.17	
December	5.06	5.06	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.02	5.02	0	0.00	0.00	
February	5.15	5.15	2	0.42	5.54	
March	5.04	5.04	11	1.53	20.42	
April	4.99	4.99	5	1.70	22.71	
May	5.11	5.10	0	0.00	0.00	
June	4.83	4.83	0	0.00	0.00	
Discharge from hospital alive						
2015						
July	4.91	4.91	4	61.54	851.06	
August	4.87	4.87	4	45.98	634.92	
September	5.12	5.12	12	57.69	779.22	
October	5.46	5.46	7	26.42	358.97	
November	5.10	5.10	10	29.15	396.83	
December	5.24	5.24	12	20.73	287.08	
2016						
January	5.17	5.16	10	11.10	147.93	
February	5.29	5.28	61	13.79	184.85	
March	5.20	5.20	109	16.69	223.64	
April	5.12	5.12	41	15.38	206.03	
May	5.22	5.22	14	16.37	219.78	
June	4.93	4.93	3	17.05	361.45	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
<i>2015</i>						
July	0.00		42	17.28	268.37	
August	0.00		32	11.62	179.37	
September	0.00		73	14.57	225.10	
October	0.00		109	12.85	197.71	
November	0.00		126	14.07	217.05	
December	0.00		102	9.37	148.49	
<i>2016</i>						
January	0.00		136	9.38	144.45	
February	0.00		262	6.63	101.81	
March	0.00		369	5.98	91.78	
April	0.00		244	8.67	133.36	
May	0.00		102	9.32	143.44	
June	0.00		33	10.12	267.21	
BiPAP						
<i>2015</i>						
July	0.00		8	3.16	48.66	
August	0.00		7	2.46	37.80	
September	0.00		13	2.52	38.67	
October	0.00		34	3.91	59.88	
November	0.00		28	3.06	46.83	
December	0.00		46	4.12	65.03	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00		36	2.42	37.13	
February	0.00		98	2.43	37.17	
March	0.00		168	2.66	40.75	
April	0.00		104	3.61	55.35	
May	0.00		23	2.05	31.44	
June	0.00		4	1.19	31.25	
Supplemental oxygen						
2015						
July	0.00		24	9.70	150.00	
August	0.00		21	7.60	116.93	
September	0.00		40	8.01	123.15	
October	0.00		75	8.91	136.91	
November	0.00		80	9.08	139.69	
December	0.00		92	8.56	135.57	
2016						
January	0.00		108	7.55	116.23	
February	0.00		254	6.50	99.95	
March	0.00		417	6.83	105.01	
April	0.00		215	7.73	118.91	
May	0.00		73	6.75	103.77	
June	0.00		22	6.74	178.28	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2015</i>						
July	0.00		2	0.79	12.19	
August	0.00		4	1.41	21.60	
September	0.00		9	1.75	26.79	
October	0.00		9	1.04	15.85	
November	0.00		13	1.42	21.77	
December	0.00		8	0.72	11.31	
<i>2016</i>						
January	0.00		5	0.34	5.16	
February	0.00		18	0.45	6.84	
March	0.00		48	0.76	11.66	
April	0.00		19	0.66	10.11	
May	0.00		13	1.16	17.77	
June	0.00		7	2.08	54.86	
Critical Care						
<i>2015</i>						
July	0.00		27	11.21	173.30	
August	0.00		27	9.90	152.46	
September	0.00		50	10.01	154.23	
October	0.00		60	7.08	108.68	
November	0.00		86	9.62	148.10	
December	0.00		84	7.71	122.08	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00		91	6.28	96.50	
February	0.00		184	4.66	71.51	
March	0.00		271	4.39	67.36	
April	0.00		173	6.16	94.50	
May	0.00		70	6.40	98.37	
June	0.00		25	7.68	202.92	
ECMO						
2015						
July	0.00		0	0.00	0.00	
August	0.00		0	0.00	0.00	
September	0.00		0	0.00	0.00	
October	0.00		0	0.00	0.00	
November	0.00		0	0.00	0.00	
December	0.00		0	0.00	0.00	
2016						
January	0.00		0	0.00	0.00	
February	0.00		2	0.05	0.76	
March	0.00		2	0.03	0.48	
April	0.00		0	0.00	0.00	
May	0.00		0	0.00	0.00	
June	0.00		0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2015</i>						
July	0.00		12	4.75	73.13	
August	0.00		6	2.11	32.31	
September	0.00		16	3.10	47.56	
October	0.00		30	3.45	52.78	
November	0.00		21	2.29	35.09	
December	0.00		16	1.43	22.57	
<i>2016</i>						
January	0.00		34	2.29	35.06	
February	0.00		53	1.31	20.09	
March	0.00		117	1.85	28.36	
April	0.00		53	1.84	28.17	
May	0.00		25	2.23	34.16	
June	0.00		5	1.49	39.09	
Discharge from hospital alive						
<i>2015</i>						
July	0.00		40	16.33	253.81	
August	0.00		36	13.03	201.23	
September	0.00		62	12.34	190.48	
October	0.00		100	11.74	180.60	
November	0.00		113	12.59	194.09	
December	0.00		91	8.34	132.04	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00		115	7.91	121.73	
February	0.00		229	5.78	88.72	
March	0.00		335	5.41	83.08	
April	0.00		212	7.51	115.44	
May	0.00		90	8.20	126.17	
June	0.00		26	7.95	209.68	
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
ECMO						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Death						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
BiPAP						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Critical Care						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Death						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
BiPAP						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Critical Care						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
ECMO						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
P and I - Treated Day of Diagnosis						
Hospitalization						
2015						
July	5.23	5.23	16	22.79	295.20	
August	5.19	5.19	11	12.59	160.58	
September	5.23	5.23	36	15.72	201.45	
October	5.25	5.25	76	18.36	236.10	
November	5.29	5.29	92	16.29	209.33	
December	5.26	5.26	120	15.35	203.80	
2016						
January	5.25	5.25	121	9.82	125.17	
February	5.31	5.31	392	7.91	100.79	
March	5.29	5.29	589	7.38	93.86	
April	5.30	5.30	259	8.25	104.94	
May	5.28	5.28	90	9.15	116.60	
June	5.32	5.31	19	9.11	185.73	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2015</i>						
July	5.23	5.23	6	8.55	108.89	
August	5.19	5.19	8	9.15	116.45	
September	5.23	5.23	10	4.36	55.28	
October	5.25	5.25	25	6.04	76.76	
November	5.29	5.29	34	6.02	76.58	
December	5.26	5.26	24	3.07	40.36	
<i>2016</i>						
January	5.25	5.25	33	2.67	33.92	
February	5.31	5.31	135	2.72	34.56	
March	5.29	5.29	254	3.18	40.33	
April	5.30	5.30	105	3.34	42.38	
May	5.28	5.28	21	2.13	27.04	
June	5.32	5.31	5	2.40	48.64	
Supplemental oxygen						
<i>2015</i>						
July	5.24	5.24	4	5.85	74.63	
August	5.20	5.20	8	9.38	119.58	
September	5.23	5.23	25	11.04	141.16	
October	5.25	5.25	72	17.78	228.28	
November	5.29	5.28	90	16.31	209.21	
December	5.26	5.26	127	16.60	220.60	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.25	5.25	168	13.93	178.12	
February	5.30	5.30	507	10.43	133.16	
March	5.30	5.29	715	9.13	116.28	
April	5.31	5.30	319	10.36	132.06	
May	5.28	5.28	88	9.09	115.88	
June	5.32	5.32	20	9.74	198.81	
Mechanical ventilation						
2015						
July	5.23	5.23	1	1.42	18.12	
August	5.19	5.19	0	0.00	0.00	
September	5.23	5.23	0	0.00	0.00	
October	5.25	5.25	3	0.72	9.18	
November	5.29	5.29	3	0.53	6.74	
December	5.26	5.26	5	0.64	8.40	
2016						
January	5.25	5.25	5	0.41	5.13	
February	5.31	5.31	16	0.32	4.09	
March	5.29	5.29	35	0.44	5.55	
April	5.30	5.30	19	0.60	7.66	
May	5.28	5.28	5	0.51	6.43	
June	5.32	5.31	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2015</i>						
July	5.23	5.23	14	19.94	256.88	
August	5.19	5.19	8	9.15	116.62	
September	5.23	5.23	29	12.67	162.01	
October	5.25	5.25	65	15.72	201.49	
November	5.29	5.29	62	10.99	140.56	
December	5.26	5.26	85	10.87	143.87	
<i>2016</i>						
January	5.25	5.25	94	7.63	97.16	
February	5.31	5.31	288	5.81	73.98	
March	5.29	5.29	422	5.29	67.17	
April	5.30	5.30	164	5.22	66.37	
May	5.28	5.28	73	7.42	94.40	
June	5.32	5.31	18	8.63	175.78	
ECMO						
<i>2015</i>						
July	5.23	5.23	0	0.00	0.00	
August	5.19	5.19	0	0.00	0.00	
September	5.23	5.23	0	0.00	0.00	
October	5.25	5.25	0	0.00	0.00	
November	5.29	5.29	1	0.18	2.25	
December	5.26	5.26	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.25	5.25	0	0.00	0.00	
February	5.31	5.31	1	0.02	0.26	
March	5.29	5.29	1	0.01	0.16	
April	5.30	5.30	0	0.00	0.00	
May	5.28	5.28	0	0.00	0.00	
June	5.32	5.31	0	0.00	0.00	
Death						
2015						
July	5.23	5.23	2	2.85	36.23	
August	5.19	5.19	0	0.00	0.00	
September	5.23	5.23	2	0.87	11.04	
October	5.25	5.25	3	0.72	9.19	
November	5.29	5.29	4	0.71	8.98	
December	5.26	5.26	0	0.00	0.00	
2016						
January	5.25	5.25	0	0.00	0.00	
February	5.31	5.31	7	0.14	1.79	
March	5.29	5.29	15	0.19	2.38	
April	5.30	5.30	2	0.06	0.81	
May	5.28	5.28	5	0.51	6.43	
June	5.32	5.31	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive						
<i>2015</i>						
July	5.23	5.23	15	21.37	276.24	
August	5.19	5.19	11	12.59	160.58	
September	5.23	5.23	34	14.82	189.94	
October	5.25	5.25	69	16.67	214.02	
November	5.29	5.29	87	15.41	197.86	
December	5.26	5.26	108	13.82	183.33	
<i>2016</i>						
January	5.25	5.25	110	8.92	113.75	
February	5.31	5.31	348	7.02	89.43	
March	5.29	5.29	515	6.45	82.01	
April	5.30	5.30	234	7.45	94.76	
May	5.28	5.28	75	7.62	97.06	
June	5.32	5.31	17	8.15	166.18	
P and I - Treated After Day of Diagnosis						
Hospitalization						
<i>2015</i>						
July	5.30	5.30	3	56.60	789.47	
August	5.05	5.05	2	31.75	434.78	
September	5.24	5.24	10	60.61	813.01	
October	5.70	5.70	5	23.92	318.47	
November	5.16	5.16	7	25.64	343.14	
December	5.39	5.39	8	16.88	230.55	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.23	5.23	8	10.72	141.09	
February	5.34	5.34	50	13.89	184.09	
March	5.31	5.31	88	16.51	218.74	
April	5.25	5.24	45	20.79	276.41	
May	5.29	5.28	11	15.63	207.16	
June	5.13	5.13	2	13.33	277.78	
BiPAP						
2015						
July	5.27	5.27	1	18.18	243.90	
August	5.05	5.05	1	15.38	204.08	
September	5.23	5.23	1	6.02	78.74	
October	5.64	5.64	0	0.00	0.00	
November	5.14	5.14	0	0.00	0.00	
December	5.38	5.38	2	4.11	55.56	
2016						
January	5.25	5.24	3	3.95	51.81	
February	5.33	5.32	12	3.29	43.31	
March	5.30	5.30	28	5.19	68.24	
April	5.25	5.25	14	6.38	83.83	
May	5.28	5.27	3	4.20	55.35	
June	5.13	5.13	2	13.25	273.97	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2015</i>						
July	5.29	5.29	0	0.00	0.00	
August	5.05	5.05	2	31.75	434.78	
September	5.24	5.24	1	6.25	81.97	
October	5.71	5.71	3	14.78	196.08	
November	5.13	5.13	7	27.56	368.42	
December	5.43	5.43	10	22.37	306.75	
<i>2016</i>						
January	5.26	5.26	14	19.80	263.16	
February	5.35	5.34	47	13.68	181.54	
March	5.31	5.31	64	12.66	167.58	
April	5.27	5.27	22	10.79	142.49	
May	5.28	5.27	14	20.38	271.84	
June	5.14	5.14	3	20.98	434.78	
Mechanical ventilation						
<i>2015</i>						
July	5.27	5.27	0	0.00	0.00	
August	5.05	5.05	0	0.00	0.00	
September	5.23	5.23	1	6.02	78.74	
October	5.64	5.64	0	0.00	0.00	
November	5.13	5.13	0	0.00	0.00	
December	5.38	5.38	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.25	5.24	0	0.00	0.00	
February	5.33	5.33	0	0.00	0.00	
March	5.30	5.30	8	1.48	19.48	
April	5.25	5.25	3	1.37	17.92	
May	5.28	5.27	1	1.40	18.42	
June	5.13	5.13	0	0.00	0.00	
Critical Care						
2015						
July	5.28	5.28	2	37.04	500.00	
August	5.05	5.05	1	15.38	204.08	
September	5.24	5.24	5	30.30	400.00	
October	5.67	5.67	3	14.15	187.50	
November	5.17	5.17	4	14.71	195.12	
December	5.39	5.39	3	6.26	84.51	
2016						
January	5.24	5.23	8	10.84	142.86	
February	5.34	5.34	29	8.08	106.70	
March	5.31	5.31	60	11.34	149.70	
April	5.24	5.24	22	10.20	134.72	
May	5.28	5.27	9	12.82	170.13	
June	5.14	5.14	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2015</i>						
July	5.27	5.27	0	0.00	0.00	
August	5.05	5.05	0	0.00	0.00	
September	5.23	5.23	0	0.00	0.00	
October	5.64	5.64	0	0.00	0.00	
November	5.13	5.13	0	0.00	0.00	
December	5.38	5.38	0	0.00	0.00	
<i>2016</i>						
January	5.25	5.24	0	0.00	0.00	
February	5.33	5.33	0	0.00	0.00	
March	5.30	5.30	0	0.00	0.00	
April	5.25	5.25	0	0.00	0.00	
May	5.28	5.27	0	0.00	0.00	
June	5.13	5.13	0	0.00	0.00	
Death						
<i>2015</i>						
July	5.27	5.27	0	0.00	0.00	
August	5.05	5.05	0	0.00	0.00	
September	5.23	5.23	0	0.00	0.00	
October	5.64	5.64	0	0.00	0.00	
November	5.13	5.13	0	0.00	0.00	
December	5.38	5.38	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.25	5.24	0	0.00	0.00	
February	5.33	5.33	0	0.00	0.00	
March	5.30	5.30	7	1.30	17.03	
April	5.25	5.25	0	0.00	0.00	
May	5.28	5.27	0	0.00	0.00	
June	5.13	5.13	0	0.00	0.00	
Discharge from hospital alive						
2015						
July	5.30	5.30	3	56.60	789.47	
August	5.05	5.05	2	31.75	434.78	
September	5.24	5.24	10	60.61	813.01	
October	5.70	5.70	5	23.92	318.47	
November	5.16	5.16	7	25.64	343.14	
December	5.39	5.39	6	12.66	172.41	
2016						
January	5.23	5.23	8	10.72	141.09	
February	5.34	5.34	44	12.21	161.59	
March	5.31	5.31	69	12.92	170.92	
April	5.24	5.24	28	12.91	170.63	
May	5.28	5.28	9	12.73	168.54	
June	5.13	5.13	1	6.67	138.89	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
P and I - Treated 1-5 Days After Diagnosis						
Hospitalization						
<i>2015</i>						
July	5.22	5.22	3	46.15	638.30	
August	4.97	4.97	4	44.44	606.06	
September	5.23	5.23	11	53.92	728.48	
October	5.47	5.47	8	28.07	380.95	
November	5.14	5.14	13	36.01	492.42	
December	5.35	5.35	10	16.84	233.64	
<i>2016</i>						
January	5.17	5.16	12	12.79	170.70	
February	5.31	5.30	75	16.72	224.48	
March	5.24	5.23	122	18.60	249.28	
April	5.15	5.15	57	21.24	285.71	
May	5.26	5.25	18	20.95	281.69	
June	4.97	4.97	2	10.99	227.27	
BiPAP						
<i>2015</i>						
July	4.71	4.71	2	23.53	322.58	
August	4.75	4.75	1	9.43	128.21	
September	5.05	5.05	5	21.74	292.40	
October	5.15	5.15	3	8.90	119.52	
November	4.99	4.99	0	0.00	0.00	
December	5.07	5.07	4	5.60	77.67	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.00	4.99	5	4.65	62.34	
February	5.13	5.13	18	3.59	48.06	
March	5.04	5.03	51	6.90	92.27	
April	4.99	4.99	22	7.27	97.26	
May	5.10	5.09	7	7.31	98.18	
June	4.83	4.83	2	10.05	206.19	
Supplemental oxygen						
2015						
July	4.75	4.75	0	0.00	0.00	
August	4.85	4.85	2	21.98	298.51	
September	5.05	5.05	4	18.18	246.91	
October	5.23	5.23	6	19.48	264.32	
November	4.97	4.97	15	39.16	539.57	
December	5.11	5.11	17	26.48	371.18	
2016						
January	5.02	5.01	25	25.15	341.53	
February	5.17	5.16	82	17.67	239.00	
March	5.06	5.05	119	17.53	236.44	
April	5.03	5.03	44	16.00	215.69	
May	5.14	5.13	22	24.55	333.84	
June	4.89	4.89	3	16.67	340.91	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2015</i>						
July	4.71	4.71	0	0.00	0.00	
August	4.76	4.76	0	0.00	0.00	
September	5.05	5.05	1	4.35	57.80	
October	5.15	5.15	0	0.00	0.00	
November	4.99	4.99	2	4.78	64.52	
December	5.08	5.08	4	5.62	77.97	
<i>2016</i>						
January	5.00	5.00	2	1.87	24.97	
February	5.14	5.14	2	0.40	5.35	
March	5.04	5.04	13	1.76	23.54	
April	5.00	4.99	5	1.66	22.14	
May	5.11	5.10	1	1.05	14.04	
June	4.83	4.83	0	0.00	0.00	
Critical Care						
<i>2015</i>						
July	5.12	5.12	2	30.30	416.67	
August	4.98	4.98	3	33.71	454.55	
September	5.22	5.22	6	29.27	392.16	
October	5.33	5.33	5	16.61	224.22	
November	5.11	5.11	12	32.52	444.44	
December	5.28	5.28	6	9.76	134.23	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.11	5.11	10	10.45	139.66	
February	5.28	5.28	51	11.20	149.96	
March	5.20	5.20	91	13.72	183.43	
April	5.14	5.14	38	14.13	189.05	
May	5.24	5.23	19	22.12	298.74	
June	4.97	4.97	0	0.00	0.00	
ECMO						
2015						
July	4.71	4.71	0	0.00	0.00	
August	4.75	4.75	0	0.00	0.00	
September	5.05	5.05	0	0.00	0.00	
October	5.15	5.15	0	0.00	0.00	
November	4.99	4.99	0	0.00	0.00	
December	5.07	5.07	0	0.00	0.00	
2016						
January	5.00	4.99	0	0.00	0.00	
February	5.13	5.13	0	0.00	0.00	
March	5.03	5.03	0	0.00	0.00	
April	4.99	4.98	0	0.00	0.00	
May	5.10	5.09	0	0.00	0.00	
June	4.83	4.83	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2015</i>						
July	4.71	4.71	0	0.00	0.00	
August	4.75	4.75	0	0.00	0.00	
September	5.05	5.05	0	0.00	0.00	
October	5.15	5.15	0	0.00	0.00	
November	4.99	4.99	4	9.57	129.03	
December	5.07	5.07	0	0.00	0.00	
<i>2016</i>						
January	5.00	4.99	0	0.00	0.00	
February	5.13	5.13	2	0.40	5.33	
March	5.03	5.03	12	1.62	21.65	
April	4.99	4.98	6	1.98	26.42	
May	5.10	5.09	0	0.00	0.00	
June	4.83	4.83	0	0.00	0.00	
Discharge from hospital alive						
<i>2015</i>						
July	5.12	5.12	3	44.78	625.00	
August	4.89	4.89	4	41.67	571.43	
September	5.19	5.19	13	61.32	833.33	
October	5.41	5.41	8	27.49	373.83	
November	5.10	5.10	13	35.52	488.72	
December	5.31	5.31	8	13.22	183.49	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.17	5.16	12	12.77	170.45	
February	5.30	5.29	67	14.78	198.34	
March	5.22	5.22	105	15.86	212.46	
April	5.14	5.13	39	14.39	192.69	
May	5.24	5.23	13	14.98	200.93	
June	4.97	4.97	1	5.49	113.64	
P and I - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
2015						
July	0.00	-	2,485	55.00	872.82	
August	0.00		2,707	53.25	843.22	
September	0.00		2,913	49.63	784.01	
October	0.00		2,877	43.89	690.54	
November	0.00		3,175	41.08	644.87	
December	0.00		3,155	37.18	597.71	
2016						
January	0.00		3,591	39.21	615.06	
February	0.00		3,452	29.65	462.14	
March	0.00		3,461	26.20	407.79	
April	0.00		3,182	35.82	560.01	
May	0.00		2,607	42.91	674.58	
June	0.00		1,289	28.75	840.18	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2015</i>						
July	0.00		463	8.03	124.63	
August	0.00		571	9.10	141.22	
September	0.00		566	7.94	123.11	
October	0.00		599	7.57	117.14	
November	0.00		689	7.51	116.09	
December	0.00		680	6.67	105.72	
<i>2016</i>						
January	0.00		752	6.92	107.14	
February	0.00		867	6.51	100.57	
March	0.00		823	5.49	84.70	
April	0.00		785	7.56	116.72	
May	0.00		590	7.94	122.90	
June	0.00		300	5.49	157.99	
Supplemental oxygen						
<i>2015</i>						
July	0.00		1,598	30.70	483.89	
August	0.00		1,829	32.21	507.08	
September	0.00		2,099	32.73	514.88	
October	0.00		2,136	30.28	475.40	
November	0.00		2,554	31.28	490.88	
December	0.00		2,599	28.97	465.80	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00		2,878	29.65	465.61	
February	0.00		2,891	23.91	373.01	
March	0.00		2,850	20.79	323.55	
April	0.00		2,548	26.94	421.30	
May	0.00		1,979	29.76	467.11	
June	0.00		1,056	21.41	623.71	
Mechanical ventilation						
2015						
July	0.00		533	9.52	147.62	
August	0.00		619	10.11	156.58	
September	0.00		540	7.74	119.75	
October	0.00		633	8.18	126.39	
November	0.00		653	7.25	112.00	
December	0.00		610	6.11	96.73	
2016						
January	0.00		728	6.84	105.70	
February	0.00		635	4.85	74.74	
March	0.00		655	4.44	68.35	
April	0.00		621	6.08	93.76	
May	0.00		518	7.14	110.31	
June	0.00		261	4.89	140.77	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2015</i>						
July	0.00		2,036	45.69	719.33	
August	0.00		2,234	44.65	702.07	
September	0.00		2,423	41.81	656.43	
October	0.00		2,228	34.42	537.58	
November	0.00		2,575	33.59	524.64	
December	0.00		2,640	31.21	499.39	
<i>2016</i>						
January	0.00		2,903	31.83	496.94	
February	0.00		2,841	24.45	379.72	
March	0.00		2,757	20.92	324.23	
April	0.00		2,636	29.84	464.54	
May	0.00		2,129	35.37	553.36	
June	0.00		1,147	26.07	761.37	
ECMO						
<i>2015</i>						
July	0.00		2	0.03	0.54	
August	0.00		7	0.11	1.72	
September	0.00		3	0.04	0.65	
October	0.00		3	0.04	0.58	
November	0.00		1	0.01	0.17	
December	0.00		4	0.04	0.62	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00		2	0.02	0.28	
February	0.00		7	0.05	0.81	
March	0.00		3	0.02	0.31	
April	0.00		4	0.04	0.59	
May	0.00		5	0.07	1.04	
June	0.00		2	0.04	1.05	
Death						
2015						
July	0.00		1,799	31.49	490.93	
August	0.00		1,794	28.82	448.09	
September	0.00		1,819	25.70	399.22	
October	0.00		1,965	25.02	388.15	
November	0.00		2,010	22.02	341.35	
December	0.00		2,120	20.91	332.17	
2016						
January	0.00		2,416	22.37	346.99	
February	0.00		2,221	16.76	258.95	
March	0.00		2,163	14.49	223.60	
April	0.00		1,942	18.77	290.15	
May	0.00		1,724	23.35	361.93	
June	0.00		852	15.72	455.47	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive						
<i>2015</i>						
July	0.00		2,259	48.08	763.82	
August	0.00		2,448	46.68	740.07	
September	0.00		2,590	42.87	677.05	
October	0.00		2,612	38.52	606.20	
November	0.00		2,842	35.76	561.69	
December	0.00		2,702	30.97	497.77	
<i>2016</i>						
January	0.00		3,130	33.28	522.08	
February	0.00		3,052	25.71	400.87	
March	0.00		3,084	22.95	357.29	
April	0.00		2,795	30.72	480.35	
May	0.00		2,255	36.00	565.69	
June	0.00		1,125	24.36	710.59	
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
BiPAP						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Critical Care						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Death						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
BiPAP						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Critical Care						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
ECMO						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
ECMO						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Death						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
MAARI - Treated Day of Diagnosis						
Hospitalization						
<i>2015</i>						
July	5.26	5.26	24	27.46	356.08	
August	5.18	5.18	16	15.31	195.84	
September	5.23	5.22	38	14.43	185.19	
October	5.26	5.25	63	14.63	187.67	
November	5.31	5.31	84	14.56	186.63	
December	5.25	5.25	115	14.30	189.55	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.27	5.26	122	10.11	128.95	
February	5.32	5.31	395	8.65	110.22	
March	5.32	5.32	550	7.55	96.11	
April	5.31	5.31	238	8.08	102.75	
May	5.31	5.30	95	10.08	128.60	
June	5.32	5.32	16	7.77	159.05	
BiPAP						
2015						
July	5.26	5.26	6	6.86	87.34	
August	5.18	5.18	10	9.57	121.95	
September	5.23	5.22	13	4.93	62.71	
October	5.26	5.25	25	5.80	73.77	
November	5.31	5.31	32	5.54	70.44	
December	5.25	5.25	32	3.98	52.31	
2016						
January	5.27	5.26	30	2.48	31.51	
February	5.32	5.31	127	2.78	35.27	
March	5.32	5.32	246	3.38	42.84	
April	5.31	5.31	107	3.63	46.04	
May	5.31	5.30	27	2.86	36.32	
June	5.32	5.32	5	2.43	49.50	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2015</i>						
July	5.27	5.27	4	4.67	59.52	
August	5.18	5.18	11	10.71	136.82	
September	5.23	5.22	26	9.99	127.83	
October	5.25	5.25	73	17.30	222.09	
November	5.31	5.31	90	15.92	203.90	
December	5.25	5.25	118	14.96	198.49	
<i>2016</i>						
January	5.26	5.26	154	13.04	166.72	
February	5.32	5.32	460	10.27	131.02	
March	5.32	5.32	646	9.03	115.11	
April	5.32	5.31	295	10.21	130.13	
May	5.31	5.31	90	9.70	123.78	
June	5.32	5.32	19	9.39	192.70	
Mechanical ventilation						
<i>2015</i>						
July	5.26	5.26	2	2.29	29.07	
August	5.18	5.18	0	0.00	0.00	
September	5.23	5.22	0	0.00	0.00	
October	5.26	5.25	3	0.70	8.83	
November	5.31	5.31	4	0.69	8.79	
December	5.25	5.25	4	0.50	6.53	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.27	5.26	5	0.41	5.25	
February	5.32	5.31	19	0.42	5.27	
March	5.32	5.32	32	0.44	5.56	
April	5.31	5.31	19	0.64	8.16	
May	5.31	5.30	8	0.85	10.75	
June	5.32	5.32	0	0.00	0.00	
Critical Care						
2015						
July	5.26	5.26	21	24.03	310.19	
August	5.18	5.18	11	10.53	134.31	
September	5.23	5.22	34	12.90	165.45	
October	5.26	5.25	58	13.47	172.47	
November	5.31	5.31	53	9.19	117.33	
December	5.25	5.25	86	10.68	141.33	
2016						
January	5.27	5.26	96	7.96	101.36	
February	5.32	5.31	287	6.28	79.99	
March	5.32	5.32	401	5.51	70.00	
April	5.31	5.31	155	5.26	66.84	
May	5.31	5.30	76	8.06	102.66	
June	5.32	5.32	15	7.28	148.96	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2015</i>						
July	5.26	5.26	0	0.00	0.00	
August	5.18	5.18	0	0.00	0.00	
September	5.23	5.22	0	0.00	0.00	
October	5.26	5.25	0	0.00	0.00	
November	5.31	5.31	1	0.17	2.20	
December	5.25	5.25	0	0.00	0.00	
<i>2016</i>						
January	5.27	5.26	0	0.00	0.00	
February	5.32	5.31	1	0.02	0.28	
March	5.32	5.32	1	0.01	0.17	
April	5.31	5.31	0	0.00	0.00	
May	5.31	5.30	0	0.00	0.00	
June	5.32	5.32	0	0.00	0.00	
Death						
<i>2015</i>						
July	5.26	5.26	2	2.29	29.07	
August	5.18	5.18	0	0.00	0.00	
September	5.23	5.22	2	0.76	9.63	
October	5.26	5.25	2	0.46	5.89	
November	5.31	5.31	2	0.35	4.39	
December	5.25	5.25	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.27	5.26	0	0.00	0.00	
February	5.32	5.31	7	0.15	1.94	
March	5.32	5.32	14	0.19	2.43	
April	5.31	5.31	3	0.10	1.29	
May	5.31	5.30	4	0.42	5.37	
June	5.32	5.32	0	0.00	0.00	
Discharge from hospital alive						
2015						
July	5.26	5.26	23	26.32	340.74	
August	5.18	5.18	16	15.31	195.84	
September	5.23	5.22	36	13.66	175.27	
October	5.26	5.25	56	13.00	166.62	
November	5.31	5.31	80	13.86	177.66	
December	5.25	5.25	103	12.80	169.69	
2016						
January	5.27	5.26	112	9.28	118.32	
February	5.32	5.31	357	7.81	99.56	
March	5.32	5.32	488	6.70	85.23	
April	5.31	5.31	217	7.36	93.64	
May	5.31	5.30	82	8.70	110.89	
June	5.32	5.32	15	7.28	149.11	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
MAARI - Treated After Day of Diagnosis						
Hospitalization						
<i>2015</i>						
July	5.23	5.23	2	28.57	384.62	
August	5.21	5.21	0	0.00	0.00	
September	5.27	5.27	11	48.89	654.76	
October	5.79	5.79	5	17.24	229.36	
November	5.46	5.46	7	18.32	243.90	
December	5.36	5.36	15	25.51	351.29	
<i>2016</i>						
January	5.30	5.30	11	12.20	160.58	
February	5.41	5.40	44	10.76	142.16	
March	5.36	5.36	101	17.37	230.33	
April	5.31	5.31	50	20.71	275.18	
May	5.30	5.30	9	11.00	145.16	
June	5.15	5.15	1	5.68	116.28	
BiPAP						
<i>2015</i>						
July	5.21	5.21	0	0.00	0.00	
August	5.21	5.21	0	0.00	0.00	
September	5.27	5.27	2	8.77	114.94	
October	5.76	5.76	0	0.00	0.00	
November	5.43	5.43	1	2.58	33.90	
December	5.34	5.34	4	6.69	91.12	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.31	5.31	4	4.39	57.47	
February	5.40	5.39	13	3.15	41.39	
March	5.36	5.36	24	4.09	53.74	
April	5.31	5.30	13	5.33	70.01	
May	5.30	5.29	3	3.65	47.85	
June	5.15	5.15	2	11.36	232.56	
Supplemental oxygen						
2015						
July	5.22	5.22	0	0.00	0.00	
August	5.22	5.22	1	11.49	151.52	
September	5.28	5.28	3	13.64	179.64	
October	5.81	5.81	6	21.43	285.71	
November	5.43	5.43	10	27.70	369.00	
December	5.37	5.37	13	23.47	323.38	
2016						
January	5.32	5.32	15	17.42	230.41	
February	5.41	5.40	61	15.52	205.94	
March	5.37	5.37	53	9.58	126.52	
April	5.33	5.33	23	10.00	131.96	
May	5.30	5.29	12	15.11	200.67	
June	5.16	5.16	2	12.05	246.91	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2015</i>						
July	5.21	5.21	0	0.00	0.00	
August	5.21	5.21	0	0.00	0.00	
September	5.27	5.27	0	0.00	0.00	
October	5.76	5.76	0	0.00	0.00	
November	5.43	5.43	1	2.57	33.78	
December	5.34	5.34	0	0.00	0.00	
<i>2016</i>						
January	5.31	5.31	0	0.00	0.00	
February	5.40	5.39	0	0.00	0.00	
March	5.36	5.36	6	1.02	13.42	
April	5.31	5.30	1	0.41	5.38	
May	5.30	5.29	0	0.00	0.00	
June	5.15	5.15	0	0.00	0.00	
Critical Care						
<i>2015</i>						
July	5.21	5.21	2	28.17	377.36	
August	5.21	5.21	0	0.00	0.00	
September	5.27	5.27	7	31.25	414.20	
October	5.79	5.79	3	10.38	137.61	
November	5.45	5.45	4	10.50	138.89	
December	5.36	5.36	7	11.90	162.04	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.31	5.31	10	11.20	147.49	
February	5.41	5.40	32	7.85	103.39	
March	5.37	5.37	62	10.73	141.68	
April	5.31	5.31	20	8.32	109.65	
May	5.30	5.30	9	11.07	146.34	
June	5.16	5.16	0	0.00	0.00	
ECMO						
2015						
July	5.21	5.21	0	0.00	0.00	
August	5.21	5.21	0	0.00	0.00	
September	5.27	5.27	0	0.00	0.00	
October	5.76	5.76	0	0.00	0.00	
November	5.43	5.43	0	0.00	0.00	
December	5.34	5.34	0	0.00	0.00	
2016						
January	5.31	5.31	0	0.00	0.00	
February	5.40	5.39	0	0.00	0.00	
March	5.36	5.36	0	0.00	0.00	
April	5.31	5.30	0	0.00	0.00	
May	5.30	5.29	0	0.00	0.00	
June	5.15	5.15	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2015</i>						
July	5.21	5.21	0	0.00	0.00	
August	5.21	5.21	0	0.00	0.00	
September	5.27	5.27	0	0.00	0.00	
October	5.76	5.76	0	0.00	0.00	
November	5.43	5.43	0	0.00	0.00	
December	5.34	5.34	0	0.00	0.00	
<i>2016</i>						
January	5.31	5.31	0	0.00	0.00	
February	5.40	5.39	0	0.00	0.00	
March	5.36	5.36	8	1.36	17.89	
April	5.31	5.30	0	0.00	0.00	
May	5.30	5.29	0	0.00	0.00	
June	5.15	5.15	0	0.00	0.00	
Discharge from hospital alive						
<i>2015</i>						
July	5.23	5.23	2	28.57	384.62	
August	5.21	5.21	0	0.00	0.00	
September	5.27	5.27	11	48.89	654.76	
October	5.79	5.79	5	17.24	229.36	
November	5.46	5.46	7	18.32	243.90	
December	5.36	5.36	13	22.11	304.45	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.30	5.30	11	12.20	160.58	
February	5.41	5.40	38	9.28	122.50	
March	5.37	5.37	79	13.57	179.59	
April	5.31	5.31	36	14.90	197.15	
May	5.30	5.29	7	8.54	112.36	
June	5.15	5.15	0	0.00	0.00	
MAARI - Treated 1-5 Days After Diagnosis						
Hospitalization						
2015						
July	5.17	5.17	4	34.19	476.19	
August	5.26	5.26	2	13.70	183.49	
September	5.34	5.34	14	41.18	564.52	
October	5.58	5.58	10	21.74	297.62	
November	5.39	5.39	12	19.17	262.58	
December	5.37	5.37	27	29.80	422.54	
2016						
January	5.41	5.41	19	13.51	182.34	
February	5.42	5.41	82	13.45	181.86	
March	5.37	5.37	145	17.08	231.08	
April	5.30	5.30	64	18.10	245.02	
May	5.34	5.34	22	18.50	250.57	
June	5.12	5.08	1	4.08	85.47	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2015</i>						
July	4.90	4.90	2	15.04	206.19	
August	5.16	5.16	1	6.25	84.75	
September	5.24	5.24	5	13.70	185.19	
October	5.40	5.40	4	8.10	109.89	
November	5.32	5.32	2	3.02	40.73	
December	5.22	5.22	8	8.02	112.04	
<i>2016</i>						
January	5.30	5.29	7	4.62	62.28	
February	5.31	5.31	22	3.39	45.61	
March	5.24	5.24	51	5.59	75.24	
April	5.18	5.18	20	5.26	70.77	
May	5.24	5.23	7	5.54	74.63	
June	5.05	5.01	2	7.75	162.60	
Supplemental oxygen						
<i>2015</i>						
July	4.95	4.95	0	0.00	0.00	
August	5.21	5.21	1	6.85	92.59	
September	5.22	5.22	6	17.14	233.46	
October	5.44	5.44	10	21.55	294.12	
November	5.32	5.32	18	28.71	393.87	
December	5.24	5.24	23	24.92	352.76	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.31	5.31	32	22.50	306.22	
February	5.34	5.34	105	17.21	234.11	
March	5.27	5.27	111	13.10	177.43	
April	5.23	5.23	45	12.80	173.34	
May	5.26	5.26	19	15.79	214.69	
June	5.08	5.04	3	12.61	265.49	
Mechanical ventilation						
2015						
July	4.90	4.90	0	0.00	0.00	
August	5.16	5.16	0	0.00	0.00	
September	5.24	5.24	0	0.00	0.00	
October	5.40	5.40	0	0.00	0.00	
November	5.32	5.32	3	4.52	61.22	
December	5.22	5.22	4	4.01	56.02	
2016						
January	5.30	5.30	2	1.32	17.79	
February	5.32	5.31	2	0.31	4.15	
March	5.24	5.24	8	0.88	11.80	
April	5.19	5.18	3	0.79	10.63	
May	5.24	5.24	0	0.00	0.00	
June	5.05	5.01	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2015</i>						
July	5.15	5.15	4	34.78	481.93	
August	5.28	5.28	2	13.89	186.92	
September	5.33	5.33	10	29.33	400.00	
October	5.51	5.51	4	8.58	116.62	
November	5.36	5.36	10	15.92	217.39	
December	5.34	5.34	15	16.38	229.36	
<i>2016</i>						
January	5.39	5.38	15	10.64	143.54	
February	5.41	5.41	65	10.61	143.20	
March	5.35	5.35	94	11.02	148.50	
April	5.30	5.29	38	10.78	145.26	
May	5.35	5.34	26	22.05	300.23	
June	5.12	5.08	0	0.00	0.00	
ECMO						
<i>2015</i>						
July	4.90	4.90	0	0.00	0.00	
August	5.16	5.16	0	0.00	0.00	
September	5.24	5.24	0	0.00	0.00	
October	5.40	5.40	0	0.00	0.00	
November	5.31	5.31	0	0.00	0.00	
December	5.22	5.22	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	5.30	5.29	0	0.00	0.00	
February	5.31	5.31	0	0.00	0.00	
March	5.24	5.24	0	0.00	0.00	
April	5.18	5.18	0	0.00	0.00	
May	5.24	5.23	0	0.00	0.00	
June	5.05	5.01	0	0.00	0.00	
Death						
2015						
July	4.90	4.90	0	0.00	0.00	
August	5.16	5.16	0	0.00	0.00	
September	5.24	5.24	0	0.00	0.00	
October	5.40	5.40	0	0.00	0.00	
November	5.31	5.31	2	3.01	40.65	
December	5.22	5.22	0	0.00	0.00	
2016						
January	5.30	5.29	0	0.00	0.00	
February	5.31	5.31	2	0.31	4.14	
March	5.24	5.24	9	0.99	13.24	
April	5.18	5.18	5	1.31	17.65	
May	5.24	5.23	0	0.00	0.00	
June	5.05	5.01	0	0.00	0.00	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive						
<i>2015</i>						
July	5.12	5.12	3	25.21	348.84	
August	5.21	5.21	2	13.33	180.18	
September	5.32	5.32	16	46.24	634.92	
October	5.56	5.56	10	21.65	296.74	
November	5.37	5.37	14	22.22	305.01	
December	5.35	5.35	25	27.32	387.60	
<i>2016</i>						
January	5.41	5.41	19	13.49	182.17	
February	5.40	5.40	75	12.22	165.09	
March	5.36	5.36	118	13.82	186.62	
April	5.29	5.28	49	13.77	185.89	
May	5.34	5.33	17	14.23	192.31	
June	5.12	5.08	0	0.00	0.00	
MAARI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
<i>2015</i>						
July	0.00		3,105	7.24	111.24	
August	0.00		3,145	6.57	101.00	
September	0.00		4,189	6.70	102.98	
October	0.00		4,680	7.02	107.69	
November	0.00		5,062	6.63	101.99	
December	0.00		5,704	6.48	102.13	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00		5,698	7.09	108.87	
February	0.00		5,822	6.51	99.82	
March	0.00		5,703	6.55	100.55	
April	0.00		4,545	7.05	108.17	
May	0.00		3,585	6.17	94.81	
June	0.00		1,566	4.25	120.61	
BiPAP						
2015						
July	0.00		1,210	2.81	43.00	
August	0.00		1,115	2.32	35.54	
September	0.00		1,642	2.62	40.11	
October	0.00		1,906	2.84	43.55	
November	0.00		2,225	2.90	44.55	
December	0.00		2,837	3.21	50.47	
2016						
January	0.00		2,467	3.05	46.79	
February	0.00		2,652	2.95	45.17	
March	0.00		2,591	2.96	45.33	
April	0.00		1,929	2.98	45.57	
May	0.00		1,643	2.82	43.16	
June	0.00		686	1.85	52.49	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2015</i>						
July	0.00		2,108	4.98	76.45	
August	0.00		2,768	5.88	90.23	
September	0.00		3,966	6.46	99.32	
October	0.00		4,628	7.07	108.59	
November	0.00		5,458	7.29	112.19	
December	0.00		6,033	6.99	110.19	
<i>2016</i>						
January	0.00		5,772	7.32	112.46	
February	0.00		5,766	6.57	100.79	
March	0.00		5,193	6.08	93.25	
April	0.00		3,802	6.01	92.19	
May	0.00		2,986	5.23	80.34	
June	0.00		1,288	3.55	100.83	
Mechanical ventilation						
<i>2015</i>						
July	0.00		213	0.49	7.56	
August	0.00		188	0.39	5.98	
September	0.00		251	0.40	6.12	
October	0.00		288	0.43	6.57	
November	0.00		298	0.39	5.96	
December	0.00		346	0.39	6.14	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00		358	0.44	6.78	
February	0.00		372	0.41	6.33	
March	0.00		410	0.47	7.16	
April	0.00		300	0.46	7.08	
May	0.00		241	0.41	6.32	
June	0.00		94	0.25	7.18	
Critical Care						
2015						
July	0.00		2,232	5.20	79.85	
August	0.00		2,281	4.77	73.14	
September	0.00		2,903	4.64	71.27	
October	0.00		3,233	4.85	74.29	
November	0.00		3,427	4.49	68.95	
December	0.00		3,991	4.53	71.36	
2016						
January	0.00		4,010	4.99	76.52	
February	0.00		4,123	4.61	70.60	
March	0.00		3,954	4.54	69.63	
April	0.00		3,182	4.93	75.65	
May	0.00		2,518	4.33	66.51	
June	0.00		1,143	3.10	87.95	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2015</i>						
July	0.00		1	0.00	0.04	
August	0.00		2	0.00	0.06	
September	0.00		4	0.01	0.10	
October	0.00		1	0.00	0.02	
November	0.00		2	0.00	0.04	
December	0.00		3	0.00	0.05	
<i>2016</i>						
January	0.00		5	0.01	0.09	
February	0.00		5	0.01	0.08	
March	0.00		4	0.00	0.07	
April	0.00		0	0.00	0.00	
May	0.00		2	0.00	0.05	
June	0.00		1	0.00	0.08	
Death						
<i>2015</i>						
July	0.00		217	0.50	7.70	
August	0.00		218	0.45	6.94	
September	0.00		214	0.34	5.22	
October	0.00		304	0.45	6.93	
November	0.00		371	0.48	7.41	
December	0.00		381	0.43	6.76	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January	0.00		480	0.59	9.09	
February	0.00		410	0.46	6.97	
March	0.00		482	0.55	8.42	
April	0.00		305	0.47	7.19	
May	0.00		238	0.41	6.24	
June	0.00		80	0.22	6.11	
Discharge from hospital alive						
2015						
July	0.00		2,899	6.76	103.78	
August	0.00		2,909	6.08	93.35	
September	0.00		3,830	6.12	94.09	
October	0.00		4,273	6.40	98.23	
November	0.00		4,648	6.09	93.58	
December	0.00		5,066	5.75	90.63	
2016						
January	0.00		4,918	6.12	93.86	
February	0.00		5,052	5.64	86.53	
March	0.00		4,921	5.65	86.66	
April	0.00		3,929	6.09	93.40	
May	0.00		3,152	5.42	83.27	
June	0.00		1,351	3.66	103.95	

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
BiPAP						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Critical Care						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
ECMO						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
ECMO						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Death						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
BiPAP						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Critical Care						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2015</i>						
July						
August						
September						
October						
November						
December						
<i>2016</i>						
January						
February						
March						
April						
May						
June						
Death						
<i>2015</i>						
July						
August						
September						
October						
November						
December						

Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2015 and June 30, 2016 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2016						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
2015						
July						
August						
September						
October						
November						
December						
2016						
January						
February						
March						
April						
May						
June						

¹Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period
Data are not presented in shaded cells due to their inability to be calculated

Appendix A. Start and End Dates for Each Data Partner up to Request End Date (June 30, 2016)

DP ID	Start Date¹	End Date¹
DP01	1/1/2000	6/30/2016
DP02	1/1/2004	6/30/2016
DP03	1/1/2008	6/30/2016
DP04	6/1/2007	6/30/2016
DP05	1/1/2000	6/30/2016
DP06	1/1/2000	6/30/2016
DP07	1/1/2000	6/30/2016
DP08	1/1/2000	6/30/2016
DP09	1/1/2008	6/30/2016
DP10	1/1/2000	6/30/2016
DP11	6/1/2007	6/30/2016
DP12	1/1/2006	6/30/2016

¹The start and end dates are based on the minimum and maximum dates within each DP. The month with the maximum date must have at least 80% of the number of records in the previous month.

Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Cohorts in this Request

Code	Description	Code Category	Code Type
Influenza-Like Illness (ILI)			
487	Influenza	Diagnosis	ICD-9-CM
487.0	Influenza with pneumonia	Diagnosis	ICD-9-CM
487.1	Influenza with other respiratory manifestations	Diagnosis	ICD-9-CM
487.8	Influenza with other manifestations	Diagnosis	ICD-9-CM
488	Influenza due to certain identified influenza viruses	Diagnosis	ICD-9-CM
488.0	Influenza due to identified avian influenza virus	Diagnosis	ICD-9-CM
488.01	Influenza due to identified avian influenza virus with pneumonia	Diagnosis	ICD-9-CM
488.02	Influenza due to identified avian influenza virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.09	Influenza due to identified avian influenza virus with other manifestations	Diagnosis	ICD-9-CM
488.1	Influenza due to identified 2009 H1N1 influenza virus	Diagnosis	ICD-9-CM
488.11	Influenza due to identified 2009 H1N1 influenza virus with pneumonia	Diagnosis	ICD-9-CM
488.12	Influenza due to identified 2009 H1N1 influenza virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.19	Influenza due to identified 2009 H1N1 influenza virus with other manifestations	Diagnosis	ICD-9-CM
488.8	Influenza due to novel influenza A	Diagnosis	ICD-9-CM
488.81	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-9-CM
488.82	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.89	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-9-CM
J09.X1	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-10-CM
J09.X2	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J09.X3	Influenza due to identified novel influenza A virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J09.X9	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-10-CM
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	Diagnosis	ICD-10-CM
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	Diagnosis	ICD-10-CM
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J10.2	Influenza due to other identified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J10.81	Influenza due to other identified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J10.82	Influenza due to other identified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J10.83	Influenza due to other identified influenza virus with otitis media	Diagnosis	ICD-10-CM
J10.89	Influenza due to other identified influenza virus with other manifestations	Diagnosis	ICD-10-CM
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	Diagnosis	ICD-10-CM
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J11.2	Influenza due to unidentified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J11.81	Influenza due to unidentified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J11.82	Influenza due to unidentified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J11.83	Influenza due to unidentified influenza virus with otitis media	Diagnosis	ICD-10-CM
J11.89	Influenza due to unidentified influenza virus with other manifestations	Diagnosis	ICD-10-CM

Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Cohorts in this Request

Code	Description	Code Category	Code Type
Pneumonia and Influenza (P&I)			
480	Viral pneumonia	Diagnosis	ICD-9-CM
480.8	Pneumonia due to other virus not elsewhere classified	Diagnosis	ICD-9-CM
480.9	Unspecified viral pneumonia	Diagnosis	ICD-9-CM
481	Pneumococcal pneumonia (streptococcus pneumoniae pneumonia)	Diagnosis	ICD-9-CM
482	Other bacterial pneumonia	Diagnosis	ICD-9-CM
482.0	Pneumonia due to Klebsiella pneumoniae	Diagnosis	ICD-9-CM
482.1	Pneumonia due to Pseudomonas	Diagnosis	ICD-9-CM
482.2	Pneumonia due to Hemophilus influenzae (H. influenzae)	Diagnosis	ICD-9-CM
482.3	Pneumonia due to Streptococcus	Diagnosis	ICD-9-CM
482.30	Pneumonia due to unspecified Streptococcus	Diagnosis	ICD-9-CM
482.31	Pneumonia due to Streptococcus, group A	Diagnosis	ICD-9-CM
482.32	Pneumonia due to Streptococcus, group B	Diagnosis	ICD-9-CM
482.39	Pneumonia due to other Streptococcus	Diagnosis	ICD-9-CM
482.4	Pneumonia due to Staphylococcus	Diagnosis	ICD-9-CM
482.40	Pneumonia due to Staphylococcus, unspecified	Diagnosis	ICD-9-CM
482.41	Methicillin susceptible pneumonia due to Staphylococcus aureus	Diagnosis	ICD-9-CM
482.42	Methicillin resistant pneumonia due to Staphylococcus aureus	Diagnosis	ICD-9-CM
482.49	Other Staphylococcus pneumonia	Diagnosis	ICD-9-CM
482.8	Pneumonia due to other specified bacteria	Diagnosis	ICD-9-CM
482.81	Pneumonia due to anaerobes	Diagnosis	ICD-9-CM
482.83	Pneumonia due to other gram-negative bacteria	Diagnosis	ICD-9-CM
482.89	Pneumonia due to other specified bacteria	Diagnosis	ICD-9-CM
482.9	Unspecified bacterial pneumonia	Diagnosis	ICD-9-CM
483	Pneumonia due to other specified organism	Diagnosis	ICD-9-CM
483.0	Pneumonia due to Mycoplasma pneumoniae	Diagnosis	ICD-9-CM
483.1	Pneumonia due to Chlamydia	Diagnosis	ICD-9-CM
483.8	Pneumonia due to other specified organism	Diagnosis	ICD-9-CM
484	Pneumonia in infectious diseases classified elsewhere	Diagnosis	ICD-9-CM
484.3	Pneumonia in whooping cough	Diagnosis	ICD-9-CM
484.5	Pneumonia in anthrax	Diagnosis	ICD-9-CM
484.8	Pneumonia in other infectious diseases classified elsewhere	Diagnosis	ICD-9-CM
485	Bronchopneumonia, organism unspecified	Diagnosis	ICD-9-CM
486	Pneumonia, organism unspecified	Diagnosis	ICD-9-CM
487	Influenza	Diagnosis	ICD-9-CM
487.0	Influenza with pneumonia	Diagnosis	ICD-9-CM
487.1	Influenza with other respiratory manifestations	Diagnosis	ICD-9-CM
487.8	Influenza with other manifestations	Diagnosis	ICD-9-CM
488	Influenza due to certain identified influenza viruses	Diagnosis	ICD-9-CM
488.0	Influenza due to identified avian influenza virus	Diagnosis	ICD-9-CM
488.01	Influenza due to identified avian influenza virus with pneumonia	Diagnosis	ICD-9-CM

Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Cohorts in this Request

Code	Description	Code Category	Code Type
488.02	Influenza due to identified avian influenza virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.09	Influenza due to identified avian influenza virus with other manifestations	Diagnosis	ICD-9-CM
488.1	Influenza due to identified 2009 H1N1 influenza virus	Diagnosis	ICD-9-CM
488.11	Influenza due to identified 2009 H1N1 influenza virus with pneumonia	Diagnosis	ICD-9-CM
488.12	Influenza due to identified 2009 H1N1 influenza virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.19	Influenza due to identified 2009 H1N1 influenza virus with other manifestations	Diagnosis	ICD-9-CM
488.8	Influenza due to novel influenza A	Diagnosis	ICD-9-CM
488.81	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-9-CM
488.82	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.89	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-9-CM
J09.X1	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-10-CM
J09.X2	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J09.X3	Influenza due to identified novel influenza A virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J09.X9	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-10-CM
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	Diagnosis	ICD-10-CM
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	Diagnosis	ICD-10-CM
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J10.2	Influenza due to other identified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J10.81	Influenza due to other identified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J10.82	Influenza due to other identified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J10.83	Influenza due to other identified influenza virus with otitis media	Diagnosis	ICD-10-CM
J10.89	Influenza due to other identified influenza virus with other manifestations	Diagnosis	ICD-10-CM
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	Diagnosis	ICD-10-CM
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J11.2	Influenza due to unidentified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J11.81	Influenza due to unidentified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J11.82	Influenza due to unidentified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J11.83	Influenza due to unidentified influenza virus with otitis media	Diagnosis	ICD-10-CM
J11.89	Influenza due to unidentified influenza virus with other manifestations	Diagnosis	ICD-10-CM
J12.89	Other viral pneumonia	Diagnosis	ICD-10-CM
J12.9	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
J13	Pneumonia due to Streptococcus pneumoniae	Diagnosis	ICD-10-CM
J14	Pneumonia due to Hemophilus influenzae	Diagnosis	ICD-10-CM
J15.0	Pneumonia due to Klebsiella pneumoniae	Diagnosis	ICD-10-CM
J15.1	Pneumonia due to Pseudomonas	Diagnosis	ICD-10-CM
J15.20	Pneumonia due to staphylococcus, unspecified	Diagnosis	ICD-10-CM
J15.211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	Diagnosis	ICD-10-CM
J15.212	Pneumonia due to Methicillin resistant Staphylococcus aureus	Diagnosis	ICD-10-CM

Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Cohorts in this Request

Code	Description	Code Category	Code Type
J15.29	Pneumonia due to other staphylococcus	Diagnosis	ICD-10-CM
J15.3	Pneumonia due to streptococcus, group B	Diagnosis	ICD-10-CM
J15.4	Pneumonia due to other streptococci	Diagnosis	ICD-10-CM
J15.6	Pneumonia due to other Gram-negative bacteria	Diagnosis	ICD-10-CM
J15.7	Pneumonia due to Mycoplasma pneumoniae	Diagnosis	ICD-10-CM
J15.8	Pneumonia due to other specified bacteria	Diagnosis	ICD-10-CM
J15.9	Unspecified bacterial pneumonia	Diagnosis	ICD-10-CM
J16.0	Chlamydial pneumonia	Diagnosis	ICD-10-CM
J16.8	Pneumonia due to other specified infectious organisms	Diagnosis	ICD-10-CM
J17	Pneumonia in diseases classified elsewhere	Diagnosis	ICD-10-CM
J18.0	Bronchopneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.1	Lobar pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.8	Other pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.9	Pneumonia, unspecified organism	Diagnosis	ICD-10-CM
Medically Attended Acute Respiratory Illness (MAARI)			
079.99	Unspecified viral infection, in conditions classified elsewhere and of unspecified site	Diagnosis	ICD-9-CM
079.3	Rhinovirus infection in conditions classified elsewhere and of unspecified site	Diagnosis	ICD-9-CM
460	Acute nasopharyngitis (common cold)	Diagnosis	ICD-9-CM
462	Acute pharyngitis	Diagnosis	ICD-9-CM
463	Acute tonsillitis	Diagnosis	ICD-9-CM
464.0	Acute laryngitis	Diagnosis	ICD-9-CM
464.1	Acute tracheitis	Diagnosis	ICD-9-CM
465	Acute upper respiratory infections of multiple or unspecified sites	Diagnosis	ICD-9-CM
465.9	Acute upper respiratory infections of unspecified site	Diagnosis	ICD-9-CM
478.9	Other and unspecified diseases of upper respiratory tract	Diagnosis	ICD-9-CM
487	Influenza	Diagnosis	ICD-9-CM
487.0	Influenza with pneumonia	Diagnosis	ICD-9-CM
487.1	Influenza with other respiratory manifestations	Diagnosis	ICD-9-CM
488	Influenza due to certain identified influenza viruses	Diagnosis	ICD-9-CM
488.1	Influenza due to identified 2009 H1N1 influenza virus	Diagnosis	ICD-9-CM
490	Bronchitis, not specified as acute or chronic	Diagnosis	ICD-9-CM
B97.89	Other viral agents as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
J00	Acute nasopharyngitis [common cold]	Diagnosis	ICD-10-CM
J02.8	Acute pharyngitis due to other specified organisms	Diagnosis	ICD-10-CM
J02.9	Acute pharyngitis, unspecified	Diagnosis	ICD-10-CM
J03.80	Acute tonsillitis due to other specified organisms	Diagnosis	ICD-10-CM
J03.81	Acute recurrent tonsillitis due to other specified organisms	Diagnosis	ICD-10-CM
J03.90	Acute tonsillitis, unspecified	Diagnosis	ICD-10-CM
J03.91	Acute recurrent tonsillitis, unspecified	Diagnosis	ICD-10-CM
J06.9	Acute upper respiratory infection, unspecified	Diagnosis	ICD-10-CM
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM

Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Cohorts in this Request

Code	Description	Code Category	Code Type
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	Diagnosis	ICD-10-CM
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	Diagnosis	ICD-10-CM
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	Diagnosis	ICD-10-CM
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J12.9	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
J20.6	Acute bronchitis due to rhinovirus	Diagnosis	ICD-10-CM
J39.8	Other specified diseases of upper respiratory tract	Diagnosis	ICD-10-CM
J39.9	Disease of upper respiratory tract, unspecified	Diagnosis	ICD-10-CM
J40	Bronchitis, not specified as acute or chronic	Diagnosis	ICD-10-CM
B97.89	Other viral agents as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM

Appendix C: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System (HCPCS), and Revenue Codes Used to Define Endpoints in this Request

Code	Description	Code Category	Code Type
BIPHASIC POSITIVE AIRWAY PRESSURE (BiPAP)			
A7027	Combination oral/nasal mask, used with continuous positive airway pressure device, each	Procedure	HCPCS
A7030	Full face mask used with positive airway pressure device, each	Procedure	HCPCS
A7034	Nasal interface (mask or cannula type) used with positive airway pressure device, with or without head strap	Procedure	HCPCS
A7044	Oral interface used with positive airway pressure device, each	Procedure	HCPCS
A7045	Exhalation port with or without swivel used with accessories for positive airway devices, replacement only	Procedure	HCPCS
A7046	Water chamber for humidifier, used with positive airway pressure device, replacement, each	Procedure	HCPCS
E0470	Respiratory assist device, bi-level pressure capability, without backup rate feature, used with noninvasive interface, e.g., nasal or facial mask (intermittent assist device with continuous positive airway pressure device)	Procedure	HCPCS
E0471	Respiratory assist device, bi-level pressure capability, with back-up rate feature, used with noninvasive interface, e.g., nasal or facial mask (intermittent assist device with continuous positive airway pressure device)	Procedure	HCPCS
E0472	Respiratory assist device, bi-level pressure capability, with backup rate feature, used with invasive interface, e.g., tracheostomy tube (intermittent assist device with continuous positive airway pressure device)	Procedure	HCPCS
E0561	Humidifier, nonheated, used with positive airway pressure device	Procedure	HCPCS
E0562	Humidifier, heated, used with positive airway pressure device	Procedure	HCPCS
SUPPLEMENTAL OXYGEN			
93.96	Other oxygen enrichment	Procedure	ICD-9-CM
V46.2	Other dependence on machines, supplemental oxygen	Diagnosis	ICD-9-CM
3E0F7GC	Introduction of Other Therapeutic Substance into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM
Z99.81	Dependence on supplemental oxygen	Diagnosis	ICD-10-CM
94640	Pressurized or nonpressurized inhalation treatment for acute airway obstruction or for sputum induction for diagnostic purposes (eg, with an aerosol generator, nebulizer, metered dose inhaler or intermittent positive pressure breathing [IPPB] device)	Procedure	CPT-4
94644	Continuous inhalation treatment with aerosol medication for acute airway obstruction; first hour	Procedure	CPT-4
94645	Continuous inhalation treatment with aerosol medication for acute airway obstruction; each additional hour (List separately in addition to code for primary procedure)	Procedure	CPT-4
MECHANICAL VENTILATION			
93.90	Non-invasive mechanical ventilation	Procedure	ICD-9-CM
96.03	Insertion of esophageal obturator airway	Procedure	ICD-9-CM
96.04	Insertion of endotracheal tube	Procedure	ICD-9-CM
96.05	Other intubation of respiratory tract	Procedure	ICD-9-CM
96.7	Other continuous invasive mechanical ventilation	Procedure	ICD-9-CM

Appendix C: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System (HCPCS), and Revenue Codes Used to Define Endpoints in this Request

Code	Description	Code Category	Code Type
96.70	Continuous invasive mechanical ventilation of unspecified duration	Procedure	ICD-9-CM
96.71	Continuous invasive mechanical ventilation for less than 96 consecutive hours	Procedure	ICD-9-CM
96.72	Continuous invasive mechanical ventilation for 96 consecutive hours or more	Procedure	ICD-9-CM
93.91	Intermittent positive pressure breathing (IPPB)	Procedure	ICD-9-CM
5A09357	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM
5A09457	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM
5A09557	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-CM
0B717DZ	Dilation of Trachea with Intraluminal Device, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0B718DZ	Dilation of Trachea with Intraluminal Device, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH072Z	Insertion of Monitoring Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH073Z	Insertion of Infusion Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH07DZ	Insertion of Intraluminal Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH07YZ	Insertion of Other Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH172Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH17YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BH182Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BH18YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BHK72Z	Insertion of Monitoring Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BHK73Z	Insertion of Infusion Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BHK7YZ	Insertion of Other Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BHK82Z	Insertion of Monitoring Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BHK83Z	Insertion of Infusion Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BHK8YZ	Insertion of Other Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BHL72Z	Insertion of Monitoring Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BHL73Z	Insertion of Infusion Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BHL7YZ	Insertion of Other Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0BHL82Z	Insertion of Monitoring Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BHL83Z	Insertion of Infusion Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0BHL8YZ	Insertion of Other Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0DH57BZ	Insertion of Airway into Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0DH58BZ	Insertion of Airway into Esophagus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0WHQ73Z	Insertion of Infusion Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0WHQ7YZ	Insertion of Other Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-CM
5A1935Z	Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-CM
5A1945Z	Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-CM
5A1955Z	Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-CM

Appendix C: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System (HCPCS), and Revenue Codes Used to Define Endpoints in this Request

Code	Description	Code Category	Code Type
5A09358	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-CM
5A0955B	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A09558	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-CM
5A09559	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A09459	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A0945B	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A09458	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-CM
5A0935B	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-CM
5A09359	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-CM
5A0935Z	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-CM
5A0955Z	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-CM
5A0945Z	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-CM
4168F	Patient receiving care in the intensive care unit (ICU) and receiving mechanical ventilation, 24	Procedure	CPT-2
94662	continuous negative pressure ventilator	Procedure	CPT-4
94656	ventilation assist and management, initiation of pressure or volume preset ventilator for assisted or controlled breathing: first day	Procedure	CPT-4
94657	ventilation assist and management, initiation of pressure or volume preset ventilator for assisted or controlled breathing: subsequent days	Procedure	CPT-4
94002	ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, initial day	Procedure	CPT-4
94003	ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, each subsequent day	Procedure	CPT-4
94004	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; nursing facility, per day	Procedure	CPT-4
CRITICAL OR OBSERVATIONAL CARE			
99220	Initial observation care, per day, for the evaluation and management of a patient, which requires these 3 key components: A comprehensive history; A comprehensive examination; and Medical decision making of high complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the problem(s) requiring admission to outpatient hospital "observation status" are of high severity. Typically, 70 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4

Appendix C: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System (HCPCS), and Revenue Codes Used to Define Endpoints in this Request

Code	Description	Code Category	Code Type
99221	Initial hospital care, per day, for the evaluation and management of a patient, which requires these 3 key components: A detailed or comprehensive history; A detailed or comprehensive examination; and Medical decision making that is straightforward or of low complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the problem(s) requiring admission are of low severity. Typically, 30 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99222	Initial hospital care, per day, for the evaluation and management of a patient, which requires these 3 key components: A comprehensive history; A comprehensive examination; and Medical decision making of moderate complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the problem(s) requiring admission are of moderate severity. Typically, 50 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99223	Initial hospital care, per day, for the evaluation and management of a patient, which requires these 3 key components: A comprehensive history; A comprehensive examination; and Medical decision making of high complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the problem(s) requiring admission are of high severity. Typically, 70 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99224	Subsequent observation care, per day, for the evaluation and management of a patient, which requires at least 2 of these 3 key components: Problem focused interval history; Problem focused examination; Medical decision making that is straightforward or of low complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the patient is stable, recovering, or improving. Typically, 15 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99225	Subsequent observation care, per day, for the evaluation and management of a patient, which requires at least 2 of these 3 key components: An expanded problem focused interval history; An expanded problem focused examination; Medical decision making of moderate complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the patient is responding inadequately to therapy or has developed a minor complication. Typically, 25 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4

Appendix C: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System (HCPCS), and Revenue Codes Used to Define Endpoints in this Request

Code	Description	Code Category	Code Type
99226	Subsequent observation care, per day, for the evaluation and management of a patient, which requires at least 2 of these 3 key components: A detailed interval history; A detailed examination; Medical decision making of high complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the patient is unstable or has developed a significant complication or a significant new problem. Typically, 35 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99291	Critical care, evaluation and management of the critically ill or critically injured patient; first 30-74 minutes	Procedure	CPT-4
99292	Critical care, evaluation and management of the critically ill or critically injured patient; each additional 30 minutes (List separately in addition to code for primary service)	Procedure	CPT-4
31500	Intubation, endotracheal, emergency procedure	Procedure	CPT-4
94002	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, initial day	Procedure	CPT-4
94003	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, each subsequent day	Procedure	CPT-4
94004	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; nursing facility, per day	Procedure	CPT-4
94660	Continuous positive airway pressure ventilation (CPAP), initiation and management	Procedure	CPT-4
99468	Initial inpatient neonatal critical care, per day, for the evaluation and management of a critically ill neonate, 28 days of age or younger	Procedure	CPT-4
99471	Initial inpatient pediatric critical care, per day, for the evaluation and management of a critically ill infant or young child, 29 days through 24 months of age	Procedure	CPT-4
99475	Initial inpatient pediatric critical care, per day, for the evaluation and management of a critically ill infant or young child, 2 through 5 years of age	Procedure	CPT-4
99295	Critically ill neonate through 28 days of life	Procedure	CPT-4
99256	Critically ill neonate through 28 days of life	Procedure	CPT-4
99293	Critically ill infant 29 days through 24 months of age	Procedure	CPT-4
99254	Critically ill infant 29 days through 24 months of age	Procedure	CPT-4
200	ICU	Procedure	Revenue
201	Surgical	Procedure	Revenue
202	Medical	Procedure	Revenue
203	Pediatric	Procedure	Revenue
204	Psychiatric	Procedure	Revenue
206	Post ICU	Procedure	Revenue
207	Burn Care	Procedure	Revenue
208	Trauma	Procedure	Revenue
209	Other intensive care	Procedure	Revenue

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Code	Description	Code	
		Category	Code Type
175	Neonatal ICU	Procedure	Revenue
0200	ICU	Procedure	Revenue
0201	Surgical	Procedure	Revenue
0202	Medical	Procedure	Revenue
0203	Pediatric	Procedure	Revenue
0204	Psychiatric	Procedure	Revenue
0206	Post ICU	Procedure	Revenue
0207	Burn Care	Procedure	Revenue
0208	Trauma	Procedure	Revenue
0209	Other intensive care	Procedure	Revenue
0175	Neonatal ICU	Procedure	Revenue
EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO)			
39.65	Extracorporeal membrane oxygenation (ECMO)	Procedure	ICD-9-CM
5A15223	Extracorporeal Membrane Oxygenation, Continuous	Procedure	ICD-10-CM
33988	Insertion of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS	Procedure	CPT-4
33947	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; initiation, veno-arterial	Procedure	CPT-4
33965	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age	Procedure	CPT-4
33955	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age	Procedure	CPT-4
33964	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition central cannula(e) by sternotomy or thoracotomy, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33953	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age	Procedure	CPT-4
33959	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33984	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), open, 6 years and older	Procedure	CPT-4
33962	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), open, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4

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Code	Description	Code Category	Code Type
33958	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33986	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of central cannula(e) by sternotomy or thoracotomy, 6 years and older	Procedure	CPT-4
33952	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33948	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; daily management, each day, veno-venous	Procedure	CPT-4
33989	Removal of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS	Procedure	CPT-4
33946	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; initiation, veno-venous	Procedure	CPT-4
36822	Insertion of cannula(s) for prolonged extracorporeal circulation for cardiopulmonary insufficiency (ECMO) (separate procedure)	Procedure	CPT-4
33954	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), open, 6 years and older	Procedure	CPT-4
33951	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33963	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33969	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age	Procedure	CPT-4
33966	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older	Procedure	CPT-4
33987	Arterial exposure with creation of graft conduit (eg, chimney graft) to facilitate arterial perfusion for ECMO/ECLS (List separately in addition to code for primary procedure)	Procedure	CPT-4
33957	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4

Appendix C: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System (HCPCS), and Revenue Codes Used to Define Endpoints in this Request

Code	Description	Code Category	Code Type
33985	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age	Procedure	CPT-4
33949	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; daily management, each day, veno-arterial	Procedure	CPT-4
33956	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of central cannula(e) by sternotomy or thoracotomy, 6 years and older	Procedure	CPT-4
33960	Prolonged extracorporeal circulation for cardiopulmonary insufficiency; initial day	Procedure	CPT-4
33961	Prolonged extracorporeal circulation for cardiopulmonary insufficiency; each subsequent day	Procedure	CPT-4

Appendix D: List of Generic and Brand Name Medical Products Used to Define Influenza Treatment in this Request

Generic Name	Brand Name
Oseltamivir	
Oseltamivir Phosphate	Tamiflu
Oseltamivir Phosphate	Oseltamivir
Zanamivir	
Zanamivir	Relenza Diskhaler
Peramivir	
Peramivir/PF	Rapivab

Appendix E: List of Healthcare Common Procedure Coding System (HCPCS) Used to Define Influenza Treatment in this Request

Code	Description	Code Category	Code Type
Peramivir			
C9451	Injection, peramivir, 1 mg	Procedure	HCPCS
J2547	Injection, peramivir, 1 mg	Procedure	HCPCS

Appendix F: List of Generic and Brand Name Medical Products Used to Define Baseline Characteristics in this Request

Generic Name	Brand Name
Influenza Vaccination	
Influenza Season: July 1, 2014 - June 30, 2015	
influenza vaccine quadrivalent live 2014-2015 (2 yrs-49 yrs)	Flumist Quad 2014-2015
influenza virus vaccine quad vs 2014-2015 (36 mos and older)	Flulaval Quad 2014-2015
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Flulaval 2014-2015 (PF)
influenza virus vaccine trivalent 2014-15 (36 mos and older)	Flulaval 2014-2015
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Flulaval Quad 2014-2015 (PF)
influenza virus vaccine trivalent 2014-2015 (5 yr, older)/PF	Afluria 2014-2015 (PF)
influenza virus vaccine trivalent 2014-2015 (5 yr and older)	Afluria 2014-2015
influenza virus vaccine tv 2014-2015(18 yrs, older)recomb/PF	Flublok 2014-2015 (PF)
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Fluzone 2014-2015 (PF)
influenza virus vaccine trivalent 2014-15 (6 mos and older)	Fluzone 2014-2015
influenza virus vaccine trivalent 2014-2015 (65 yr,older)/PF	Fluzone High-Dose 2014-15 (PF)
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Fluzone Quad 2014-2015 (PF)
influenza virus vaccine quadrival 2014-15 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2014-15 (PF)
influenza virus vaccine quadrival 2014-2015(6 mos and older)	Fluzone Quad 2014-2015
influenza virus vaccine trivalent 2014-15 (18 yrs-64 yrs)/PF	Fluzone Intraderm 2014-15 (PF)
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Fluarix 2014-2015 (PF)
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Fluarix Quad 2014-2015 (PF)
influenza vaccine tv split 2014-15 (18 yr,up)cell derived/PF	Flucelvax 2014-2015 (PF)
influenza virus vaccine trivalent 2014-2015 (4 yr, older)/PF	Fluvirin 2014-2015 (PF)
influenza virus vaccine trivalent 2014-2015 (4 yr and older)	Fluvirin 2014-2015
influenza vaccine tv split 2014-15 (18 yr,up)cell derived/PF	Single Use EZ Flu 2014-15(PF)
Influenza Season: July 1, 2015 - June 30, 2016	
influenza vaccine quadrivalent live 2015-2016 (2 yrs-49 yrs)	Flumist Quad 2015-2016
influenza virus vaccine quadrival 2015-2016 (36 mos, older)	Flulaval Quad 2015-2016
influenza virus vaccine trivalent 2015-2016 (5 yr, older)/PF	Afluria 2015-2016 (PF)
influenza virus vaccine trivalent 2015-2016 (5 yr and older)	Afluria 2015-2016
influenza virus vaccine tv 2015-2016(18 yrs, older)recomb/PF	Flublok 2015-2016 (PF)
influenza virus vaccine trivalent 2015-16 (6 mos and older)	Fluzone 2015-2016
influenza virus vaccine trivalent split 2015-16(65 yr,up)/PF	Fluzone High-Dose 2015-16 (PF)
influenza virus vaccine quadrival split2015-16(36 mos,up)/PF	Fluzone Quad 2015-2016 (PF)
influenza virus vaccine quadrival 2015-16 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2015-16 (PF)
influenza virus vaccine qvalsplitt 2015-2016(6 mos and older)	Fluzone Quad 2015-2016
influenza virus vaccine quadrivalent 2015-16(18yrs-64yrs)/PF	Fluzone Intraderm Quad 2015-16
influenza virus vaccine quadrival split2015-16(36 mos,up)/PF	Fluarix Quad 2015-2016 (PF)
influenza vaccine trivalent 2015-16(18 yr,up)cell derived/PF	Flucelvax 2015-2016 (PF)
influenza vaccine tvs 2015-16 (65 yr,up)/adjuvant MF59C.1/PF	Fluad 2015-16(65yr+)(PF)
influenza virus vaccine trivalent 2015-2016 (4 yr, older)/PF	Fluvirin 2015-2016 (PF)
influenza virus vaccine trivalent 2015-2016 (4 yr and older)	Fluvirin 2015-2016
influenza virus vaccine trivalent 2015-2016 (4 yr, older)/PF	EZ Flu 2015-16 (Fluvirin) (PF)
influenza vaccine trivalent 2015-16(18 yr,up)cell derived/PF	EZ Flu 2015-16(Flucelvax)(PF)

Appendix F: List of Generic and Brand Name Medical Products Used to Define Baseline Characteristics in this Request

Generic Name	Brand Name
Influenza Season: July 1, 2015 - June 30, 2016	
influenza virus vaccine qvalsplrit 2016-2017(6 mos and older)	Flulaval Quad 2016-2017
influenza virus vaccine qvalsplrit 2016-2017(6 mos and up)/PF	Flulaval Quad 2016-2017 (PF)
influenza virus vaccine trivalent 2016-2017 (5 years up)/PF	Afluria 2016-2017 (PF)
influenza virus vaccine trivalent 2016-2017 (5 yr and older)	Afluria 2016-2017
influenza virus vaccine tv 2016-17(18 yrs and older)rcmb/PF	Flublok 2016-2017 (PF)
influenza virus vaccine trival split 2016-2017(65 yr up)/PF	Fluzone High-Dose 2016-17 (PF)
influenza virus vaccine quadval split 2016-17(36 mos up)/PF	Fluzone Quad 2016-2017 (PF)
influenza virus vaccine quadrival 2016-17 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2016-17 (PF)
influenza virus vaccine qvalsplrit 2016-2017(6 mos and older)	Fluzone Quad 2016-2017
influenza virus vaccine quadrivalent 2016-17(18yrs-64yrs)/PF	Fluzone Intraderm Quad 2016-17
influenza virus vaccine quadval split 2016-17(36 mos up)/PF	Fluarix Quad 2016-2017 (PF)
influenza vaccine tvs 2016-17 (65 yr up)/adjuvant MF59C.1/PF	Fluad 2016-2017 (65 yr up)(PF)
influenza virus vaccine trival 2016-2017 (4yr and older)/PF	Fluvirin 2016-2017 (PF)
influenza virus vaccine trivalent 2016-2017 (4 yr and older)	Fluvirin 2016-2017
flu vaccine qs 2016-2017(4 years and older)cell derived/PF	Flucelvax Quad 2016-2017 (PF)
influenza virus vaccine trival 2016-2017 (4yr and older)/PF	EZ Flu 2016-17 (Fluvirin) (PF)
influenza virus vaccine trivalent 2016-2017 (5 years up)/PF	EZ Flu 2016-17 (Afluria) (PF)
influenza vaccine quadrivalent live 2016-2017 (2 yrs-49 yrs)	Flumist Quad 2016-2017
influenza virus vaccine quadrival 2016-17 (6 mos-35 mos)/PF	EZ Flu16-17(Fluzon Qd Ped)(PF)
influenza virus vaccine quadrivalent 2016-17(18yr and up)/PF	Afluria Quad 2016-2017 (PF)
influenza virus vaccine quadrivalent 2016-17(18 year and up)	Afluria Quad 2016-2017
Pneumococcal Vaccination	
pneumococcal 7-valent conjugate vaccine (diphtheria crm)/PF	Pevnar (PF)
pneumococcal 23-valent polysaccharide vaccine	Pneumovax 23
pneumococcal 13-valent conjugate vaccine (Diphtheria crm)/PF	Pevnar 13 (PF)

Appendix G: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code	
		Category	Code Type
Influenza Testing			
87275	Infectious agent antigen detection by immunofluorescent technique; influenza B virus	Procedure	CPT-4
87276	Infectious agent antigen detection by immunofluorescent technique; influenza A virus	Procedure	CPT-4
87400	Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay [EIA], enzyme-linked immunosorbent assay [ELISA], immunochemiluminometric assay [IMCA]) qualitative or semiquantitative, multiple-step method; Influenza, A or B, each	Procedure	CPT-4
87501	Infectious agent detection by nucleic acid (DNA or RNA); influenza virus, includes reverse transcription, when performed, and amplified probe technique, each type or subtype	Procedure	CPT-4
87502	Infectious agent detection by nucleic acid (DNA or RNA); influenza virus, for multiple types or sub-types, includes multiplex reverse transcription, when performed, and multiplex amplified probe technique, first 2 types or sub-types	Procedure	CPT-4
87503	Infectious agent detection by nucleic acid (DNA or RNA); influenza virus, for multiple types or sub-types, includes multiplex reverse transcription, when performed, and multiplex amplified probe technique, each additional influenza virus type or sub-type beyond 2 (List separately in addition to code for primary procedure)	Procedure	CPT-4
87804	Infectious agent antigen detection by immunoassay with direct optical observation; Influenza	Procedure	CPT-4
86710	Influenza A and B antibody serology (complement fixation)	Procedure	CPT-4
Asthma			
493	Asthma	Diagnosis	ICD-9-CM
493.0	Extrinsic asthma	Diagnosis	ICD-9-CM
493.00	Extrinsic asthma, unspecified	Diagnosis	ICD-9-CM
493.01	Extrinsic asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.02	Extrinsic asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.1	Intrinsic asthma	Diagnosis	ICD-9-CM
493.10	Intrinsic asthma, unspecified	Diagnosis	ICD-9-CM
493.11	Intrinsic asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.12	Intrinsic asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.2	Chronic obstructive asthma	Diagnosis	ICD-9-CM
493.20	Chronic obstructive asthma, unspecified	Diagnosis	ICD-9-CM
493.21	Chronic obstructive asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.22	Chronic obstructive asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.8	Other forms of asthma	Diagnosis	ICD-9-CM
493.81	Exercise induced bronchospasm	Diagnosis	ICD-9-CM
493.82	Cough variant asthma	Diagnosis	ICD-9-CM
493.9	Unspecified asthma	Diagnosis	ICD-9-CM
493.90	Asthma, unspecified, unspecified status	Diagnosis	ICD-9-CM
493.91	Asthma, unspecified with status asthmaticus	Diagnosis	ICD-9-CM
493.92	Asthma, unspecified, with (acute) exacerbation	Diagnosis	ICD-9-CM

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Code	Description	Code	
		Category	Code Type
J45.20	Mild intermittent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.21	Mild intermittent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.22	Mild intermittent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.30	Mild persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.31	Mild persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.32	Mild persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.40	Moderate persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.41	Moderate persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.42	Moderate persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.50	Severe persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.51	Severe persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.52	Severe persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.901	Unspecified asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.902	Unspecified asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.909	Unspecified asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.990	Exercise induced bronchospasm	Diagnosis	ICD-10-CM
J45.991	Cough variant asthma	Diagnosis	ICD-10-CM
J45.998	Other asthma	Diagnosis	ICD-10-CM
Chronic Obstructive Pulmonary Disease (COPD)			
491	Chronic bronchitis	Diagnosis	ICD-9-CM
491.0	Simple chronic bronchitis	Diagnosis	ICD-9-CM
491.1	Mucopurulent chronic bronchitis	Diagnosis	ICD-9-CM
491.2	Obstructive chronic bronchitis	Diagnosis	ICD-9-CM
491.20	Obstructive chronic bronchitis, without exacerbation	Diagnosis	ICD-9-CM
491.21	Obstructive chronic bronchitis, with (acute) exacerbation	Diagnosis	ICD-9-CM
491.22	Obstructive chronic bronchitis with acute bronchitis	Diagnosis	ICD-9-CM
491.8	Other chronic bronchitis	Diagnosis	ICD-9-CM
491.9	Unspecified chronic bronchitis	Diagnosis	ICD-9-CM
492	Emphysema	Diagnosis	ICD-9-CM
492.0	Emphysematous bleb	Diagnosis	ICD-9-CM
492.8	Other emphysema	Diagnosis	ICD-9-CM
496	Chronic airway obstruction, not elsewhere classified	Diagnosis	ICD-9-CM
J41.0	Simple chronic bronchitis	Diagnosis	ICD-10-CM
J41.1	Mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J41.8	Mixed simple and mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J42	Unspecified chronic bronchitis	Diagnosis	ICD-10-CM
J43.0	Unilateral pulmonary emphysema [MacLeod's syndrome]	Diagnosis	ICD-10-CM
J43.1	Panlobular emphysema	Diagnosis	ICD-10-CM
J43.2	Centrilobular emphysema	Diagnosis	ICD-10-CM
J43.8	Other emphysema	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
J43.9	Emphysema, unspecified	Diagnosis	ICD-10-CM
J44	Other chronic obstructive pulmonary disease	Diagnosis	ICD-10-CM
J44.0	Chronic obstructive pulmonary disease with acute lower respiratory infection	Diagnosis	ICD-10-CM
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	Diagnosis	ICD-10-CM
J44.9	Chronic obstructive pulmonary disease, unspecified	Diagnosis	ICD-10-CM
Diabetes			
250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.03	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.11	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.13	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.21	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.23	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.31	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.33	Diabetes with other coma, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.51	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.53	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.61	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.63	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.81	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.83	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.91	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.93	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
E109	Type 1 diabetes mellitus without complications	Diagnosis	ICD-10-CM
E1065	Type 1 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1010	Type 1 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1069	Type 1 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E1011	Type 1 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E10641	Type 1 diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E1029	Type 1 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E1021	Type 1 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E10311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E10319	Type 1 diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
E1036	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E1037X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E1037X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E1037X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E1037X9	Type 1 diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E1039	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E1040	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E1051	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E10618	Type 1 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E10620	Type 1 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E10621	Type 1 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E10622	Type 1 diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E10628	Type 1 diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E10630	Type 1 diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E10638	Type 1 diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E10649	Type 1 diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E108	Type 1 diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E1022	Type 1 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E103599	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103559	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E103553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E103552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E103551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E103549	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E103543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E103542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
E103541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E103539	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E103533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E103532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E103531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E103529	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E103523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E103522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E103521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E103519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
E103411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E10610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E1049	Type 1 diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E1044	Type 1 diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E1043	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E1042	Type 1 diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E1041	Type 1 diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
E1059	Type 1 diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E1052	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.10	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.20	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.30	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.50	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.90	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.02	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.12	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.22	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.32	Diabetes with other coma, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.52	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.62	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.82	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.92	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E11.10	Type 2 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E11.11	Type 2 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
E11.3211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
E11.3491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E11.3522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E11.3523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E11.3529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E11.3531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E11.3532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E11.3533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E11.3539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E11.3541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E11.3542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E11.3543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E11.3549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
E11.3551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E11.3552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E11.3559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.36	Type 2 diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E11.37X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E11.37X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E11.37X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E11.37X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E11.59	Type 2 diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E11.620	Type 2 diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E11.621	Type 2 diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E11.622	Type 2 diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E11.628	Type 2 diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E11.630	Type 2 diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E11.638	Type 2 diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
E11.649	Type 2 diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E11.65	Type 2 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E11.69	Type 2 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E11.8	Type 2 diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E11.9	Type 2 diabetes mellitus without complications	Diagnosis	ICD-10-CM
E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E13.01	Other specified diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E13.10	Other specified diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E13.11	Other specified diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E13.21	Other specified diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E13.29	Other specified diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E13.3211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM

Appendix G: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code Category	Code Type
E13.3319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
E13.3529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E13.3539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E13.3549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E13.3559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E13.3591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.36	Other specified diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E13.37X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E13.37X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E13.37X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
E13.37X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E13.41	Other specified diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E13.42	Other specified diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E13.44	Other specified diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E13.49	Other specified diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E13.59	Other specified diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E13.610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E13.620	Other specified diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E13.621	Other specified diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E13.622	Other specified diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E13.628	Other specified diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E13.630	Other specified diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E13.638	Other specified diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E13.641	Other specified diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E13.649	Other specified diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E13.65	Other specified diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E13.69	Other specified diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E13.8	Other specified diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E13.9	Other specified diabetes mellitus without complications	Diagnosis	ICD-10-CM
648.0	Maternal diabetes mellitus complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-10-CM
648.00	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	Diagnosis	ICD-10-CM
648.01	Maternal diabetes mellitus with delivery	Diagnosis	ICD-10-CM
648.02	Maternal diabetes mellitus with delivery, with current postpartum complication	Diagnosis	ICD-10-CM
648.03	Maternal diabetes mellitus, antepartum	Diagnosis	ICD-10-CM
648.04	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-10-CM
O24319	Unspecified pre-existing diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O2432	Unspecified pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O2492	Unspecified diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O24913	Unspecified diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24912	Unspecified diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24911	Unspecified diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
O2493	Unspecified diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O24019	Pre-existing type 1 diabetes mellitus, in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O24919	Unspecified diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O24819	Other pre-existing diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O24119	Pre-existing type 2 diabetes mellitus, in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O24011	Pre-existing type 1 diabetes mellitus, in pregnancy, first trimester	Diagnosis	ICD-10-CM
O2482	Other pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O24813	Other pre-existing diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24812	Other pre-existing diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24811	Other pre-existing diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM
O24313	Unspecified pre-existing diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24312	Unspecified pre-existing diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24311	Unspecified pre-existing diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM
O2412	Pre-existing type 2 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O24113	Pre-existing type 2 diabetes mellitus, in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24112	Pre-existing type 2 diabetes mellitus, in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24111	Pre-existing type 2 diabetes mellitus, in pregnancy, first trimester	Diagnosis	ICD-10-CM
O2402	Pre-existing type 1 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O24013	Pre-existing type 1 diabetes mellitus, in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24012	Pre-existing type 1 diabetes mellitus, in pregnancy, second trimester	Diagnosis	ICD-10-CM
O2403	Pre-existing type 1 diabetes mellitus, in the puerperium	Diagnosis	ICD-10-CM
O2483	Other pre-existing diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O2433	Unspecified pre-existing diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O2413	Pre-existing type 2 diabetes mellitus, in the puerperium	Diagnosis	ICD-10-CM
648.81	Abnormal maternal glucose tolerance, with delivery	Diagnosis	ICD-9-CM
648.82	Abnormal maternal glucose tolerance, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
648.83	Abnormal maternal glucose tolerance, antepartum	Diagnosis	ICD-9-CM
648.84	Abnormal maternal glucose tolerance complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
O24.414	Gestational diabetes mellitus in pregnancy, insulin controlled	Diagnosis	ICD-10-CM
O24.415	Gestational diabetes mellitus in pregnancy, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24.419	Gestational diabetes mellitus in pregnancy, unspecified control	Diagnosis	ICD-10-CM
O24.425	Gestational diabetes mellitus in childbirth, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24.429	Gestational diabetes mellitus in childbirth, unspecified control	Diagnosis	ICD-10-CM
O24.434	Gestational diabetes mellitus in the puerperium, insulin controlled	Diagnosis	ICD-10-CM
O24.435	Gestational diabetes mellitus in puerperium, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24.439	Gestational diabetes mellitus in the puerperium, unspecified control	Diagnosis	ICD-10-CM
Obesity			
278.00	Obesity, unspecified	Diagnosis	ICD-9-CM

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Code	Description	Code	
		Category	Code Type
278.01	Morbid obesity	Diagnosis	ICD-9-CM
539.0	Complications of gastric band procedure	Diagnosis	ICD-9-CM
539.01	Infection due to gastric band procedure	Diagnosis	ICD-9-CM
539.09	Other complications of gastric band procedure	Diagnosis	ICD-9-CM
539.8	Complications of other bariatric procedure	Diagnosis	ICD-9-CM
539.81	Infection due to other bariatric procedure	Diagnosis	ICD-9-CM
539.89	Other complications of other bariatric procedure	Diagnosis	ICD-9-CM
649.1	Obesity complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
649.10	Obesity complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	Diagnosis	ICD-9-CM
649.11	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
649.12	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
649.13	Obesity complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	Diagnosis	ICD-9-CM
649.14	Obesity complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
649.2	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
649.20	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	Diagnosis	ICD-9-CM
649.21	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
649.22	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
649.23	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	Diagnosis	ICD-9-CM
649.24	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
V85.3	Body Mass Index between 30-39, adult	Diagnosis	ICD-9-CM
V85.30	Body Mass Index 30.0-30.9, adult	Diagnosis	ICD-9-CM
V85.31	Body Mass Index 31.0-31.9, adult	Diagnosis	ICD-9-CM
V85.32	Body Mass Index 32.0-32.9, adult	Diagnosis	ICD-9-CM
V85.33	Body Mass Index 33.0-33.9, adult	Diagnosis	ICD-9-CM
V85.34	Body Mass Index 34.0-34.9, adult	Diagnosis	ICD-9-CM
V85.35	Body Mass Index 35.0-35.9, adult	Diagnosis	ICD-9-CM
V85.36	Body Mass Index 36.0-36.9, adult	Diagnosis	ICD-9-CM
V85.37	Body Mass Index 37.0-37.9, adult	Diagnosis	ICD-9-CM
V85.38	Body Mass Index 38.0-38.9, adult	Diagnosis	ICD-9-CM
V85.39	Body Mass Index 39.0-39.9, adult	Diagnosis	ICD-9-CM

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Code	Description	Code	
		Category	Code Type
V85.4	Body Mass Index 40 and over, adult	Diagnosis	ICD-9-CM
V85.41	Body Mass Index 40.0-44.9, adult	Diagnosis	ICD-9-CM
V85.42	Body Mass Index 45.0-49.9, adult	Diagnosis	ICD-9-CM
V85.43	Body Mass Index 50.0-59.9, adult	Diagnosis	ICD-9-CM
V85.44	Body Mass Index 60.0-69.9, adult	Diagnosis	ICD-9-CM
V85.45	Body Mass Index 70 and over, adult	Diagnosis	ICD-9-CM
E66.01	Morbid (severe) obesity due to excess calories	Diagnosis	ICD-10-CM
E66.09	Other obesity due to excess calories	Diagnosis	ICD-10-CM
E66.1	Drug-induced obesity	Diagnosis	ICD-10-CM
E66.8	Other obesity	Diagnosis	ICD-10-CM
E66.9	Obesity, unspecified	Diagnosis	ICD-10-CM
K95.01	Infection due to gastric band procedure	Diagnosis	ICD-10-CM
K95.09	Other complications of gastric band procedure	Diagnosis	ICD-10-CM
K95.81	Infection due to other bariatric procedure	Diagnosis	ICD-10-CM
K95.89	Other complications of other bariatric procedure	Diagnosis	ICD-10-CM
O99.210	Obesity complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.211	Obesity complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.212	Obesity complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.213	Obesity complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.214	Obesity complicating childbirth	Diagnosis	ICD-10-CM
O99.215	Obesity complicating the puerperium	Diagnosis	ICD-10-CM
O99.840	Bariatric surgery status complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.841	Bariatric surgery status complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.842	Bariatric surgery status complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.843	Bariatric surgery status complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.844	Bariatric surgery status complicating childbirth	Diagnosis	ICD-10-CM
O99.845	Bariatric surgery status complicating the puerperium	Diagnosis	ICD-10-CM
Z68.30	Body mass index (BMI) 30.0-30.9, adult	Diagnosis	ICD-10-CM
Z68.31	Body mass index (BMI) 31.0-31.9, adult	Diagnosis	ICD-10-CM
Z68.32	Body mass index (BMI) 32.0-32.9, adult	Diagnosis	ICD-10-CM
Z68.33	Body mass index (BMI) 33.0-33.9, adult	Diagnosis	ICD-10-CM
Z68.34	Body mass index (BMI) 34.0-34.9, adult	Diagnosis	ICD-10-CM
Z68.35	Body mass index (BMI) 35.0-35.9, adult	Diagnosis	ICD-10-CM
Z68.36	Body mass index (BMI) 36.0-36.9, adult	Diagnosis	ICD-10-CM
Z68.37	Body mass index (BMI) 37.0-37.9, adult	Diagnosis	ICD-10-CM
Z68.38	Body mass index (BMI) 38.0-38.9, adult	Diagnosis	ICD-10-CM
Z68.39	Body mass index (BMI) 39.0-39.9, adult	Diagnosis	ICD-10-CM
Z68.41	Body mass index (BMI) 40.0-44.9, adult	Diagnosis	ICD-10-CM
Z68.42	Body mass index (BMI) 45.0-49.9, adult	Diagnosis	ICD-10-CM
Z68.43	Body mass index (BMI) 50-59.9, adult	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
Z68.44	Body mass index (BMI) 60.0-69.9, adult	Diagnosis	ICD-10-CM
Z68.45	Body mass index (BMI) 70 or greater, adult	Diagnosis	ICD-10-CM
278.03	Obesity hypoventilation syndrome	Diagnosis	ICD-9-CM
E66.2	Morbid (severe) obesity with alveolar hypoventilation	Diagnosis	ICD-10-CM
43644	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and Roux-en-Y gastroenterostomy (roux limb 150 cm or less)	Procedure	CPT-4
43645	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and small intestine reconstruction to limit absorption	Procedure	CPT-4
43770	Laparoscopy, surgical, gastric restrictive procedure; placement of adjustable gastric restrictive device (eg, gastric band and subcutaneous port components)	Procedure	CPT-4
43842	Gastric restrictive procedure, without gastric bypass, for morbid obesity; vertical-banded gastroplasty	Procedure	CPT-4
43843	Gastric restrictive procedure, without gastric bypass, for morbid obesity; other than vertical-banded gastroplasty	Procedure	CPT-4
43845	Gastric restrictive procedure with partial gastrectomy, pylorus-preserving duodenoileostomy and ileoileostomy (50 to 100 cm common channel) to limit absorption (biliopancreatic diversion with duodenal switch)	Procedure	CPT-4
43846	Gastric restrictive procedure, with gastric bypass for morbid obesity; with short limb (150 cm or less) Roux-en-Y gastroenterostomy	Procedure	CPT-4
43847	Gastric restrictive procedure, with gastric bypass for morbid obesity; with small intestine reconstruction to limit absorption	Procedure	CPT-4
43.89	Open and other partial gastrectomy	Procedure	ICD-9-CM
44.38	Laparoscopic gastroenterostomy	Procedure	ICD-9-CM
44.39	Other gastroenterostomy without gastrectomy	Procedure	ICD-9-CM
44.68	Laparoscopic gastroplasty	Procedure	ICD-9-CM
44.95	Laparoscopic gastric restrictive procedure	Procedure	ICD-9-CM
45.51	Isolation of segment of small intestine	Procedure	ICD-9-CM
45.91	Small-to-small intestinal anastomosis	Procedure	ICD-9-CM
0D16079	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1607A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1607B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1607L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D160J9	Bypass Stomach to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D160JA	Bypass Stomach to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D160JB	Bypass Stomach to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D160JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D160K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D160KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D160KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
0D160KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D160Z9	Bypass Stomach to Duodenum, Open Approach	Procedure	ICD-10-CM
0D160ZA	Bypass Stomach to Jejunum, Open Approach	Procedure	ICD-10-CM
0D160ZB	Bypass Stomach to Ileum, Open Approach	Procedure	ICD-10-CM
0D160ZL	Bypass Stomach to Transverse Colon, Open Approach	Procedure	ICD-10-CM
0D16479	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1647A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1647B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1647L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164J9	Bypass Stomach to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164JA	Bypass Stomach to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164JB	Bypass Stomach to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164Z9	Bypass Stomach to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164ZA	Bypass Stomach to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164ZB	Bypass Stomach to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D164ZL	Bypass Stomach to Transverse Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D16879	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1687A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1687B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM

Appendix G: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code	
		Category	Code Type
0D1687L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168J9	Bypass Stomach to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168JA	Bypass Stomach to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168JB	Bypass Stomach to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168Z9	Bypass Stomach to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168ZA	Bypass Stomach to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168ZB	Bypass Stomach to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D168ZL	Bypass Stomach to Transverse Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D19079	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1907A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1907B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D190J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D190JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D190JB	Bypass Duodenum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D190K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D190KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D190KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D190Z9	Bypass Duodenum to Duodenum, Open Approach	Procedure	ICD-10-CM
0D190ZA	Bypass Duodenum to Jejunum, Open Approach	Procedure	ICD-10-CM
0D190ZB	Bypass Duodenum to Ileum, Open Approach	Procedure	ICD-10-CM
0D19479	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1947A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1947B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM

Appendix G: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code	
		Category	Code Type
0D194J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D194JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D194JB	Bypass Duodenum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D194KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D194KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D194Z9	Bypass Duodenum to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D194ZA	Bypass Duodenum to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D194ZB	Bypass Duodenum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D19879	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1987A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1987B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198JB	Bypass Duodenum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198Z9	Bypass Duodenum to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198ZA	Bypass Duodenum to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D198ZB	Bypass Duodenum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A07A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1A07B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1A0JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D1A0JB	Bypass Jejunum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D1A0KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1A0KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM

Appendix G: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request

Code	Description	Code	
		Category	Code Type
0D1A0ZA	Bypass Jejunum to Jejunum, Open Approach	Procedure	ICD-10-CM
0D1A0ZB	Bypass Jejunum to Ileum, Open Approach	Procedure	ICD-10-CM
0D1A47A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1A47B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1A4JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1A4JB	Bypass Jejunum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1A4KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1A4KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1A4ZA	Bypass Jejunum to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1A4ZB	Bypass Jejunum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1A87A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A87B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A8JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A8JB	Bypass Jejunum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A8KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A8KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A8ZA	Bypass Jejunum to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A8ZB	Bypass Jejunum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1A8ZH	Bypass Jejunum to Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1B07B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1B0JB	Bypass Ileum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-CM
0D1B0KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
0D1B0ZB	Bypass Ileum to Ileum, Open Approach	Procedure	ICD-10-CM
0D1B47B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1B4JB	Bypass Ileum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1B4KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
0D1B4ZB	Bypass Ileum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0D1B87B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1B8JB	Bypass Ileum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1B8KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1B8ZB	Bypass Ileum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0D1B8ZH	Bypass Ileum to Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-CM
0DB60Z3	Excision of Stomach, Open Approach, Vertical	Procedure	ICD-10-CM
0DB60ZZ	Excision of Stomach, Open Approach	Procedure	ICD-10-CM
0DB63Z3	Excision of Stomach, Percutaneous Approach, Vertical	Procedure	ICD-10-CM
0DB63ZZ	Excision of Stomach, Percutaneous Approach	Procedure	ICD-10-CM
0DB67Z3	Excision of Stomach, Via Natural or Artificial Opening, Vertical	Procedure	ICD-10-CM
0DB67ZZ	Excision of Stomach, Via Natural or Artificial Opening	Procedure	ICD-10-CM
0DB68Z3	Excision of Stomach, Via Natural or Artificial Opening Endoscopic, Vertical	Procedure	ICD-10-CM
0DB80ZZ	Excision of Small Intestine, Open Approach	Procedure	ICD-10-CM
0DB90ZZ	Excision of Duodenum, Open Approach	Procedure	ICD-10-CM
0DBB0ZZ	Excision of Ileum, Open Approach	Procedure	ICD-10-CM
0DQ64ZZ	Repair Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0DV64CZ	Restriction of Stomach with Extraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-CM
0F190Z3	Bypass Common Bile Duct to Duodenum, Open Approach	Procedure	ICD-10-CM
0TRB07Z	Replacement of Bladder with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-CM
Influenza Vaccination			
90630	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, for intradermal use	Procedure	CPT-4
90653	Influenza vaccine, inactivated (IIV), subunit, adjuvanted, for intramuscular use	Procedure	CPT-4
90654	Influenza virus vaccine, trivalent (IIV3), split virus, preservative-free, for intradermal use	Procedure	CPT-4
90655	Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, 0.25 mL dosage, for intramuscular use	Procedure	CPT-4
90656	Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90657	Influenza virus vaccine, trivalent (IIV3), split virus, 0.25 mL dosage, for intramuscular use	Procedure	CPT-4
90658	Influenza virus vaccine, trivalent (IIV3), split virus, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90659	Influenza virus vaccine, whole virus, for intramuscular or jet injection use	Procedure	CPT-4
90660	Influenza virus vaccine, trivalent, live (LAIV3), for intranasal use	Procedure	CPT-4
90661	Influenza virus vaccine, trivalent (ccIIV3), derived from cell cultures, subunit, preservative and antibiotic free, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4

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Code	Description	Code	
		Category	Code Type
90662	Influenza virus vaccine (IIV), split virus, preservative free, enhanced immunogenicity via increased antigen content, for intramuscular use	Procedure	CPT-4
90663	Influenza virus vaccine, pandemic formulation, H1N1	Procedure	CPT-4
90664	Influenza virus vaccine, live (LAIV), pandemic formulation, for intranasal use	Procedure	CPT-4
90666	Influenza virus vaccine (IIV), pandemic formulation, split virus, preservative free, for intramuscular use	Procedure	CPT-4
90667	Influenza virus vaccine (IIV), pandemic formulation, split virus, adjuvanted, for intramuscular use	Procedure	CPT-4
90668	Influenza virus vaccine (IIV), pandemic formulation, split virus, for intramuscular use	Procedure	CPT-4
90672	Influenza virus vaccine, quadrivalent, live (LAIV4), for intranasal use	Procedure	CPT-4
90673	Influenza virus vaccine, trivalent (RIV3), derived from recombinant DNA, hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use	Procedure	CPT-4
90674	Influenza virus vaccine, quadrivalent (ccIIV4), derived from cell cultures, subunit, preservative and antibiotic free, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90685	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, 0.25 mL, for intramuscular use	Procedure	CPT-4
90686	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90687	Influenza virus vaccine, quadrivalent (IIV4), split virus, 0.25 mL dosage, for intramuscular use	Procedure	CPT-4
90688	Influenza virus vaccine, quadrivalent (IIV4), split virus, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90682	Influenza virus vaccine, quadrivalent (RIV4), derived from recombinant DNA, hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use	Procedure	CPT-4
90756	Influenza virus vaccine, quadrivalent (ccIIV4), derived from cell cultures, subunit, antibiotic free, 0.5mL dosage, for intramuscular use	Procedure	CPT-4
Q2033	Influenza vaccine, recombinant hemagglutinin antigens, for intramuscular use (Flublok)	Procedure	HCPCS
Q2034	Influenza virus vaccine, split virus, for intramuscular use (Agriflu)	Procedure	HCPCS
Q2035	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (AFLURIA)	Procedure	HCPCS
Q2036	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (FLULAVAL)	Procedure	HCPCS
Q2037	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (FLUVIRIN)	Procedure	HCPCS
Q2038	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (Fluzone)	Procedure	HCPCS
4037F	Influenza immunization ordered or administered (COPD, PV, CKD, ESRD)(IBD)	Procedure	CPT-2
4274F	Influenza immunization administered or previously received (HIV) (P-ESRD)	Procedure	CPT-2

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Code	Description	Code	
		Category	Code Type
G0008	Administration of influenza virus vaccine	Procedure	HCPCS
G8482	Influenza immunization administered or previously received	Procedure	HCPCS
G8636	Influenza immunization administered or previously received	Procedure	HCPCS
G9141	Influenza A (H1N1) immunization administration (includes the physician counseling the patient/family)	Procedure	HCPCS
G9142	Influenza A (H1N1) vaccine, any route of administration	Procedure	HCPCS
Q0034	Administration of influenza vaccine to Medicare beneficiaries by participating demonstration sites	Procedure	HCPCS
Q2039	Influenza virus vaccine, not otherwise specified	Procedure	HCPCS
Pneumococcal Vaccination			
90669	Pneumococcal conjugate vaccine, 7 valent (PCV7), for intramuscular use	Procedure	CPT-4
90732	Pneumococcal polysaccharide vaccine, 23-valent (PPSV23), adult or immunosuppressed patient dosage, when administered to individuals 2 years or older, for subcutaneous or intramuscular use	Procedure	CPT-4
90670	Pneumococcal conjugate vaccine, 13 valent (PCV13), for intramuscular use	Procedure	CPT-4
G0009	Administration of pneumococcal vaccine	Procedure	HCPCS
G8864	Pneumococcal vaccine administered or previously received	Procedure	HCPCS
4040F	Pneumococcal vaccine administered or previously received (COPD) (PV), (IBD)	Procedure	CPT-2

Appendix H. Specifications Defining Parameters for this Request

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

Query period: July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017
Coverage requirement: Medical & Drug Coverage
Pre-index enrollment requirement: 183 days
Post-index enrollment requirement: 0 days
Stratifications: Age, Sex, Year-Month
Enrollment gap: 45 days
Age groups: 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years
Envelope macro: *Off: Do not reclassify encounters during inpatient stay as inpatient
MFU Output: Requested
Distribution of Index Output: No

Scenario	Exposure				Inclusion/Exclusion						Outcome			
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
1	Influenza-like Illness (ILI) Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; Data Partner (DP) end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for National Drug Codes (NDCs) For procedure codes (PXs): Ambulatory visit; Other ambulatory visit; Emergency department;	None	0	---
2	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Hospitalization (Admission Date; Discharge Status = Alive, Expired, Unknown)	0	Inpatient
3	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Extracorporeal membrane oxygenation (ECMO)	0	Any
4	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Mechanical ventilation	0	Any
5	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Supplemental oxygen	0	Any

Appendix H. Specifications Defining Parameters for this Request

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

Query period: July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017
Coverage requirement: Medical & Drug Coverage
Pre-index enrollment requirement: 183 days
Post-index enrollment requirement: 0 days
Stratifications: Age, Sex, Year-Month
Enrollment gap: 45 days
Age groups: 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years
Envelope macro: *Off: Do not reclassify encounters during inpatient stay as inpatient
MFU Output: Requested
Distribution of Index Output: No

Scenario	Exposure				Inclusion/Exclusion						Outcome			
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
6	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Bilevel Positive Airway Pressure (BiPAP)	0	Any
7	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Critical Care	0	Any
8	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Discharge from hospital alive (Admission Date; Discharge Status = Alive)	0	Inpatient
9	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Death	0	Any

Appendix H. Specifications Defining Parameters for this Request

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

Query period: July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017
Coverage requirement: Medical & Drug Coverage
Pre-index enrollment requirement: 183 days
Post-index enrollment requirement: 0 days
Stratifications: Age, Sex, Year-Month
Enrollment gap: 45 days
Age groups: 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years
Envelope macro: *Off: Do not reclassify encounters during inpatient stay as inpatient
MFU Output: Requested
Distribution of Index Output: No

Scenario	Exposure					Inclusion/Exclusion					Outcome			
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
10	Pneumonia and Influenza (P&I) Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	None	0	---
11	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Hospitalization (Admission Date; Discharge Status = Alive, Expired, Unknown)	0	Inpatient
12	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	ECMO	0	Any
13	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Mechanical ventilation	0	Any
14	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Supplemental oxygen	0	Any

Appendix H. Specifications Defining Parameters for this Request

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

Query period: July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017
Coverage requirement: Medical & Drug Coverage
Pre-index enrollment requirement: 183 days
Post-index enrollment requirement: 0 days
Stratifications: Age, Sex, Year-Month
Enrollment gap: 45 days
Age groups: 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years
Envelope macro: *Off: Do not reclassify encounters during inpatient stay as inpatient
MFU Output: Requested
Distribution of Index Output: No

Scenario	Exposure				Inclusion/Exclusion						Outcome			
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
15	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	BiPAP	0	Any
16	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Critical Care	0	Any
17	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Discharge from hospital alive (Admission Date; Discharge Status = Alive)	0	Inpatient
18	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Death	0	Any

Appendix H. Specifications Defining Parameters for this Request

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

Query period: July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017
Coverage requirement: Medical & Drug Coverage
Pre-index enrollment requirement: 183 days
Post-index enrollment requirement: 0 days
Stratifications: Age, Sex, Year-Month
Enrollment gap: 45 days
Age groups: 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years
Envelope macro: *Off: Do not reclassify encounters during inpatient stay as inpatient
MFU Output: Requested
Distribution of Index Output: No

Scenario	Exposure				Inclusion/Exclusion						Outcome			
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
19	Medically Attended Acute Respiratory Illness (MAARI) Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	None	0	---
20	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Hospitalization (Admission Date; Discharge Status = Alive, Expired, Unknown)	0	Any
21	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	ECMO	0	Any
22	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Mechanical ventilation	0	Any
23	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Supplemental oxygen	0	Any

Appendix H. Specifications Defining Parameters for this Request

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

Query period: July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017
Coverage requirement: Medical & Drug Coverage
Pre-index enrollment requirement: 183 days
Post-index enrollment requirement: 0 days
Stratifications: Age, Sex, Year-Month
Enrollment gap: 45 days
Age groups: 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years
Envelope macro: *Off: Do not reclassify encounters during inpatient stay as inpatient
MFU Output: Requested
Distribution of Index Output: No

Scenario	Exposure					Inclusion/Exclusion					Outcome			
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
24	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	BiPAP	0	Any
25	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Critical Care	0	Any
26	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Discharge from hospital alive (Admission Date; Discharge Status = Alive)	0	Inpatient
27	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Death	0	Any

Note: International Classification of Diseases, Ninth Revision (ICD-9), International Classification of Diseases, Tenth Revision (ICD-10), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology (CPT) codes are provided by Optum360. National Drug Codes (NDCs) are checked against First Data Bank's "National Drug Data File (NDDF®) Plus"

Appendix I: Specifications Defining Parameters for Baseline Characteristics in this Request

Baseline Characteristics

Condition	Care Setting	Evaluation period start	Evaluation period end
User-Defined			
Influenza Vaccination (season specific)	Any	0	0
Influenza Vaccination (season specific)	Any	-183	0
Flu Test	Any	-7	7
Asthma	Any	-183	0
Diabetes	Any	-183	0
Chronic obstructive pulmonary disease (COPD)	Any	-183	0
Obesity	Any	-183	0
Pneumococcal vaccination	Any	Entire History	0
Automatic			
Sex	---	---	---
Age	---	---	---
Race/ethnicity	---	---	---
Healthcare utilization	---	-183	0
Combined prior comorbidity score	---	-183	0

Appendix J: Diagram Detailing the Design of the Request

