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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 4 of 6

Request ID: ocet_ahr_wp001_nsdv_v01

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 4 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, 2014 through June 30, 2015. 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.

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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.

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. Death data may be incomplete and should be interpreted with caution. Therefore, data should be interpreted with this limitation in mind. **Notes:** Please contact the Sentinel Operations Center (info@sentinel-system.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.sentinel-system.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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	398,455	
Number of unique patients	395,892	
Demographics	Mean	Standard Deviation
Mean Age (Years)	30	20.6
Age (Years)	Number	Percent
6 Months - 4	42,465	10.7%
5-17	127,538	32.0%
18-49	140,640	35.3%
50-64	55,834	14.0%
65+	31,978	8.0%
Sex		
Female	208,653	52.7%
Male	187,229	47.3%
Other	10	0.0%
Year		
2014	185,210	46.5%
2015	213,245	53.5%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	780	0.2%
Day -7 to Day 7		
Influenza Testing	287,672	72.2%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.2	0.8
	Number	Percent
Influenza vaccination	110,147	27.6%
Asthma	34,494	8.7%
Chronic obstructive pulmonary disease	6,933	1.7%
Diabetes	24,300	6.1%
Obesity	19,108	4.8%
Enrollment History to Day 0		
Pneumococcal vaccination	79,414	19.9%
Health Service Utilization Intensity	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	5.7	6.4
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	0.3
Mean number of other ambulatory encounters (OA)	0.8	2.6
Mean number of unique drug classes	4.5	3.5
Mean number of generics	4.8	3.8
Mean number of filled prescriptions	8.3	9.9

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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	23,710	
Number of unique patients	23,701	
Demographics	Mean	Standard Deviation
Mean Age (Years)	33.5	21.1
Age (Years)	Number	Percent
6 Months - 4	2,864	12.1%
5-17	6,587	27.8%
18-49	7,342	31.0%
50-64	2,966	12.5%
65+	3,951	16.7%
Sex		
Female	12,924	54.5%
Male	10,776	45.5%
Other	1	0.0%
Year		
2014	11,926	50.3%
2015	11,784	49.7%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	60	0.3%
Day -7 to Day 7		
Influenza Testing	16,513	69.6%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.6	1.4
	Number	Percent
Influenza vaccination	6,122	25.8%
Asthma	2,786	11.8%
Chronic obstructive pulmonary disease	1,294	5.5%
Diabetes	2,714	11.4%
Obesity	1,810	7.6%
Enrollment History to Day 0		
Pneumococcal vaccination	6,430	27.1%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.5	8.3
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.1	0.5
Mean number of non-acute institutional encounters (IS)	0.1	0.5
Mean number of other ambulatory encounters (OA)	1.4	4.5
Mean number of unique drug classes	4.1	4
Mean number of generics	4.4	4.4
Mean number of filled prescriptions	9.4	12.8

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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	32,801	
Number of unique patients	32,783	
Demographics	Mean	Standard Deviation
Mean Age (Years)	39.2	21.6
Age (Years)	Number	Percent
6 Months - 4	3,369	10.3%
5-17	7,821	23.8%
18-49	9,005	27.5%
50-64	4,318	13.2%
65+	8,288	25.3%
Sex		
Female	17,802	54.3%
Male	14,977	45.7%
Other	4	0.0%
Year		
2014	16,392	50.0%
2015	16,409	50.0%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	127	0.4%
Day -7 to Day 7		
Influenza Testing	20,850	63.6%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.9	1.7
	Number	Percent
Influenza vaccination	9,400	28.7%
Asthma	4,364	13.3%
Chronic obstructive pulmonary disease	3,270	10.0%
Diabetes	5,189	15.8%
Obesity	3,080	9.4%
Enrollment History to Day 0		
Pneumococcal vaccination	9,001	27.4%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	7.4	8.8
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.2	0.6
Mean number of non-acute institutional encounters (IS)	0.1	0.7
Mean number of other ambulatory encounters (OA)	1.8	5.2
Mean number of unique drug classes	4.8	4.3
Mean number of generics	5.2	4.7
Mean number of filled prescriptions	11.6	14.2

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	309,814	
Number of unique patients	303,651	
Demographics	Mean	Standard Deviation
Mean Age (Years)	33.2	22.1
Age (Years)	Number	Percent
6 Months - 4	32,286	10.4%
5-17	86,858	28.0%
18-49	105,625	34.1%
50-64	44,944	14.5%
65+	40,101	12.9%
Sex		
Female	164,942	54.3%
Male	138,702	45.7%
Other	7	0.0%
Year		
2014	130,516	42.1%
2015	179,298	57.9%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	3,082	1.0%
Day -7 to Day 7		
Influenza Testing	169,313	54.6%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.4	1.4
	Number	Percent
Influenza vaccination	77,865	25.1%
Asthma	28,460	9.2%
Chronic obstructive pulmonary disease	13,804	4.5%
Diabetes	26,778	8.6%
Obesity	18,668	6.0%
Enrollment History to Day 0		
Pneumococcal vaccination	59,256	19.1%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.2	7.9
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	0.6
Mean number of other ambulatory encounters (OA)	1.2	3.8
Mean number of unique drug classes	3.4	3.8
Mean number of generics	3.6	4.1
Mean number of filled prescriptions	7.2	11.2

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

Table 1e. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those Treated Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	398,882	
Number of unique patients	396,329	
Demographics	Mean	Standard Deviation
Mean Age (Years)	30	20.6
Age (Years)	Number	Percent
6 Months - 4	42,303	10.6%
5-17	127,380	31.9%
18-49	140,921	35.3%
50-64	56,052	14.1%
65+	32,226	8.1%
Sex		
Female	208,827	52.7%
Male	187,492	47.3%
Other	10	0.0%
Year		
2014	185,239	46.4%
2015	213,643	53.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	786	0.2%
Day -7 to Day 7		
Influenza Testing	287,499	72.1%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.2	0.8
	Number	Percent
Influenza vaccination	110,197	27.6%
Asthma	34,438	8.6%
Chronic obstructive pulmonary disease	6,962	1.7%
Diabetes	24,436	6.1%
Obesity	19,187	4.8%
Enrollment History to Day 0		
Pneumococcal vaccination	79,338	19.9%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	5.7	6.5
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	0.3
Mean number of other ambulatory encounters (OA)	0.8	2.6
Mean number of unique drug classes	4.5	3.5
Mean number of generics	4.8	3.8
Mean number of filled prescriptions	8.3	10

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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	24,003	
Number of unique patients	23,994	
Demographics	Mean	Standard Deviation
Mean Age (Years)	33.7	21.2
Age (Years)	Number	Percent
6 Months - 4	2,880	12.0%
5-17	6,614	27.6%
18-49	7,414	30.9%
50-64	3,041	12.7%
65+	4,054	16.9%
Sex		
Female	13,072	54.5%
Male	10,921	45.5%
Other	1	0.0%
Year		
2014	12,035	50.1%
2015	11,968	49.9%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	63	0.3%
Day -7 to Day 7		
Influenza Testing	16,595	69.1%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.6	1.4
	Number	Percent
Influenza vaccination	6,176	25.7%
Asthma	2,830	11.8%
Chronic obstructive pulmonary disease	1,321	5.5%
Diabetes	2,769	11.5%
Obesity	1,865	7.8%
Enrollment History to Day 0		
Pneumococcal vaccination	6,495	27.1%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.5	8.3
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.1	0.5
Mean number of non-acute institutional encounters (IS)	0.1	0.5
Mean number of other ambulatory encounters (OA)	1.4	4.4
Mean number of unique drug classes	4.1	4
Mean number of generics	4.4	4.4
Mean number of filled prescriptions	9.5	13

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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	34,124	
Number of unique patients	34,100	
Demographics	Mean	Standard Deviation
Mean Age (Years)	40	21.9
Age (Years)	Number	Percent
6 Months - 4	3,436	10.1%
5-17	7,908	23.2%
18-49	9,214	27.0%
50-64	4,574	13.4%
65+	8,992	26.4%
Sex		
Female	18,504	54.3%
Male	15,592	45.7%
Other	4	0.0%
Year		
2014	16,867	49.4%
2015	17,257	50.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	139	0.4%
Day -7 to Day 7		
Influenza Testing	21,160	62.0%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	1	1.8
	Number	Percent
Influenza vaccination	9,755	28.6%
Asthma	4,609	13.5%
Chronic obstructive pulmonary disease	3,554	10.4%
Diabetes	5,514	16.2%
Obesity	3,295	9.7%
Enrollment History to Day 0		
Pneumococcal vaccination	9,374	27.5%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	7.5	9
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.2	0.6
Mean number of non-acute institutional encounters (IS)	0.1	0.7
Mean number of other ambulatory encounters (OA)	1.9	5.2
Mean number of unique drug classes	4.9	4.3
Mean number of generics	5.3	4.8
Mean number of filled prescriptions	11.9	14.6

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	1,124,991	
Number of unique patients	986,828	
Demographics	Mean	Standard Deviation
Mean Age (Years)	48.4	24.3
Age (Years)	Number	Percent
6 Months - 4	99,588	8.9%
5-17	181,422	16.1%
18-49	224,303	19.9%
50-64	199,912	17.8%
65+	419,766	37.3%
Sex		
Female	516,869	52.4%
Male	469,886	47.6%
Other	73	0.0%
Year		
2014	514,298	45.7%
2015	610,693	54.3%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	9,814	0.9%
Day -7 to Day 7		
Influenza Testing	223,561	19.9%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	1.8	2.6
	Number	Percent
Influenza vaccination	276,257	24.6%
Asthma	174,194	15.5%
Chronic obstructive pulmonary disease	246,551	21.9%
Diabetes	225,971	20.1%
Obesity	122,267	10.9%
Enrollment History to Day 0		
Pneumococcal vaccination	299,928	26.7%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	10.2	11.9
Mean number of emergency room encounters (ED)	0.6	1.4
Mean number of inpatient hospital encounters (IP)	0.5	0.9
Mean number of non-acute institutional encounters (IS)	0.3	1.2
Mean number of other ambulatory encounters (OA)	3.5	7.7
Mean number of unique drug classes	6.3	5.2
Mean number of generics	6.8	5.7
Mean number of filled prescriptions	15.3	17.7

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	408,323	
Number of unique patients	405,876	
Demographics	Mean	Standard Deviation
Mean Age (Years)	31.3	20.7
Age (Years)	Number	Percent
6 Months - 4	37,948	9.3%
5-17	123,270	30.2%
18-49	151,035	37.0%
50-64	61,067	15.0%
65+	35,003	8.6%
Sex		
Female	214,905	52.9%
Male	190,959	47.0%
Other	12	0.0%
Year		
2014	185,799	45.5%
2015	222,524	54.5%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	980	0.2%
Day -7 to Day 7		
Influenza Testing	279,427	68.4%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.2	0.9
	Number	Percent
Influenza vaccination	110,924	27.2%
Asthma	34,258	8.4%
Chronic obstructive pulmonary disease	7,540	1.8%
Diabetes	26,481	6.5%
Obesity	20,698	5.1%
Enrollment History to Day 0		
Pneumococcal vaccination	75,116	18.4%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	5.7	6.5
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	0.3
Mean number of other ambulatory encounters (OA)	0.8	2.6
Mean number of unique drug classes	4.6	3.5
Mean number of generics	4.8	3.8
Mean number of filled prescriptions	8.5	10.1

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	29,716	
Number of unique patients	29,707	
Demographics	Mean	Standard Deviation
Mean Age (Years)	33.1	21.2
Age (Years)	Number	Percent
6 Months - 4	3,156	10.6%
5-17	8,675	29.2%
18-49	9,588	32.3%
50-64	3,789	12.8%
65+	4,508	15.2%
Sex		
Female	16,382	55.1%
Male	13,324	44.9%
Other	1	0.0%
Year		
2014	14,341	48.3%
2015	15,375	51.7%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	113	0.4%
Day -7 to Day 7		
Influenza Testing	19,614	66.0%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.5	1.3
	Number	Percent
Influenza vaccination	7,897	26.6%
Asthma	3,323	11.2%
Chronic obstructive pulmonary disease	1,382	4.7%
Diabetes	3,117	10.5%
Obesity	2,110	7.1%
Enrollment History to Day 0		
Pneumococcal vaccination	7,284	24.5%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.4	8.1
Mean number of emergency room encounters (ED)	0.8	1.2
Mean number of inpatient hospital encounters (IP)	0.1	0.5
Mean number of non-acute institutional encounters (IS)	0.1	0.5
Mean number of other ambulatory encounters (OA)	1.3	4.2
Mean number of unique drug classes	4	3.9
Mean number of generics	4.3	4.3
Mean number of filled prescriptions	9.1	12.5

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	47,588	
Number of unique patients	47,548	
Demographics	Mean	Standard Deviation
Mean Age (Years)	36.4	22
Age (Years)	Number	Percent
6 Months - 4	4,872	10.2%
5-17	12,741	26.8%
18-49	14,040	29.5%
50-64	6,240	13.1%
65+	9,695	20.4%
Sex		
Female	26,259	55.2%
Male	21,285	44.8%
Other	4	0.0%
Year		
2014	22,863	48.0%
2015	24,725	52.0%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	259	0.5%
Day -7 to Day 7		
Influenza Testing	29,444	61.9%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.7	1.5
	Number	Percent
Influenza vaccination	13,844	29.1%
Asthma	5,756	12.1%
Chronic obstructive pulmonary disease	3,491	7.3%
Diabetes	6,220	13.1%
Obesity	3,874	8.1%
Enrollment History to Day 0		
Pneumococcal vaccination	11,959	25.1%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	7.1	8.4
Mean number of emergency room encounters (ED)	0.7	1.1
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	4.7
Mean number of unique drug classes	4.6	4.2
Mean number of generics	4.9	4.6
Mean number of filled prescriptions	10.7	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 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	8,522,350	
Number of unique patients	6,814,259	
Demographics	Mean	Standard Deviation
Mean Age (Years)	30.4	21.8
Age (Years)	Number	Percent
6 Months - 4	1,350,947	15.9%
5-17	2,238,115	26.3%
18-49	2,820,066	33.1%
50-64	1,179,907	13.8%
65+	933,315	11.0%
Sex		
Female	3,897,121	57.2%
Male	2,916,907	42.8%
Other	231	0.0%
Year		
2014	4,152,273	48.7%
2015	4,370,077	51.3%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	130,061	1.5%
Day -7 to Day 7		
Influenza Testing	760,642	8.9%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	0.3	1
	Number	Percent
Influenza vaccination	1,899,827	22.3%
Asthma	792,487	9.3%
Chronic obstructive pulmonary disease	275,525	3.2%
Diabetes	617,018	7.2%
Obesity	516,785	6.1%
Enrollment History to Day 0		
Pneumococcal vaccination	2,005,803	23.5%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	6.2	7.4
Mean number of emergency room encounters (ED)	0.3	0.8
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	3.3
Mean number of unique drug classes	3.7	3.7
Mean number of generics	4	4
Mean number of filled prescriptions	7.7	10.7

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	13,162	
Number of unique patients	13,112	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.5	18
Age (Years)	Number	Percent
6 Months - 4	286	2.2%
5-17	326	2.5%
18-49	1,087	8.3%
50-64	2,083	15.8%
65+	9,380	71.3%
Sex		
Female	7,108	54.2%
Male	6,002	45.8%
Other	2	0.0%
Year		
2014	6,214	47.2%
2015	6,948	52.8%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	71	0.5%
Day -7 to Day 7		
Influenza Testing	2,539	19.3%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	3.3	2.9
	Number	Percent
Influenza vaccination	5,368	40.8%
Asthma	2,546	19.3%
Chronic obstructive pulmonary disease	4,881	37.1%
Diabetes	5,153	39.2%
Obesity	2,366	18.0%
Enrollment History to Day 0		
Pneumococcal vaccination	3,797	28.8%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	13.1	12.8
Mean number of emergency room encounters (ED)	0.9	1.8
Mean number of inpatient hospital encounters (IP)	1.1	1
Mean number of non-acute institutional encounters (IS)	0.5	1.5
Mean number of other ambulatory encounters (OA)	5	9.2
Mean number of unique drug classes	8.2	5.6
Mean number of generics	8.8	6.2
Mean number of filled prescriptions	22.3	20.3

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	375	
Number of unique patients	375	
Demographics	Mean	Standard Deviation
Mean Age (Years)	78.9	12.1
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	0	0.0%
18-49	9	2.4%
50-64	42	11.2%
65+	324	86.4%
Sex		
Female	186	49.6%
Male	189	50.4%
Other	0	0.0%
Year		
2014	153	40.8%
2015	222	59.2%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	2	0.5%
Day -7 to Day 7		
Influenza Testing	55	14.7%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	5.5	3.2
	Number	Percent
Influenza vaccination	129	34.4%
Asthma	57	15.2%
Chronic obstructive pulmonary disease	173	46.1%
Diabetes	161	42.9%
Obesity	42	11.2%
Enrollment History to Day 0		
Pneumococcal vaccination	111	29.6%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	18.4	16.4
Mean number of emergency room encounters (ED)	0.9	1.4
Mean number of inpatient hospital encounters (IP)	1.6	1.6
Mean number of non-acute institutional encounters (IS)	1.2	2.2
Mean number of other ambulatory encounters (OA)	7	9.4
Mean number of unique drug classes	8.4	5.4
Mean number of generics	9	6
Mean number of filled prescriptions	24.2	20.5

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	166	
Number of unique patients	166	
Demographics	Mean	Standard Deviation
Mean Age (Years)	63.6	18.6
Age (Years)	Number	Percent
6 Months - 4	5	3.0%
5-17	12	7.2%
18-49	18	10.8%
50-64	29	17.5%
65+	102	61.4%
Sex		
Female	89	53.6%
Male	77	46.4%
Other	0	0.0%
Year		
2014	85	51.2%
2015	81	48.8%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	47	28.3%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.9	2.4
	Number	Percent
Influenza vaccination	78	47.0%
Asthma	32	19.3%
Chronic obstructive pulmonary disease	49	29.5%
Diabetes	52	31.3%
Obesity	32	19.3%
Enrollment History to Day 0		
Pneumococcal vaccination	48	28.9%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	12.3	10.7
Mean number of emergency room encounters (ED)	0.9	1.2
Mean number of inpatient hospital encounters (IP)	1.5	2.1
Mean number of non-acute institutional encounters (IS)	0.5	1.3
Mean number of other ambulatory encounters (OA)	5.9	17.6
Mean number of unique drug classes	9.9	5.1
Mean number of generics	10.6	5.7
Mean number of filled prescriptions	25.2	20.2

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

Table 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 1, 2014 and June 30, 2015

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	-	-
2014	-	-
2015	-	-
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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	92	
Number of unique patients	92	
Demographics	Mean	Standard Deviation
Mean Age (Years)	61.3	24.2
Age (Years)	Number	Percent
6 Months - 4	10	10.9%
5-17	4	4.3%
18-49	12	13.0%
50-64	11	12.0%
65+	55	59.8%
Sex		
Female	40	43.5%
Male	52	56.5%
Other	0	0.0%
Year		
2014	41	44.6%
2015	51	55.4%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	54	58.7%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.1	2.7
	Number	Percent
Influenza vaccination	25	27.2%
Asthma	13	14.1%
Chronic obstructive pulmonary disease	16	17.4%
Diabetes	22	23.9%
Obesity	13	14.1%
Enrollment History to Day 0		
Pneumococcal vaccination	26	28.3%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	13.3	15.4
Mean number of emergency room encounters (ED)	1.1	1.2
Mean number of inpatient hospital encounters (IP)	0.3	0.9
Mean number of non-acute institutional encounters (IS)	0.4	1.2
Mean number of other ambulatory encounters (OA)	4.5	7.3
Mean number of unique drug classes	7.3	5.3
Mean number of generics	7.8	5.7
Mean number of filled prescriptions	18.2	17.3

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

Table 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 (SDD) between July 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	2	
Number of unique patients	2	
Demographics	Mean	Standard Deviation
Mean Age (Years)	55.6	0
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	0	0.0%
18-49	0	0.0%
50-64	2	100.0%
65+	0	0.0%
Sex		
Female	2	100.0%
Male	0	0.0%
Other	0	0.0%
Year		
2014	0	0.0%
2015	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	5	0
	Number	Percent
Influenza vaccination	2	100.0%
Asthma	2	100.0%
Chronic obstructive pulmonary disease	2	100.0%
Diabetes	0	0.0%
Obesity	0	0.0%
Enrollment History to Day 0		
Pneumococcal vaccination	2	100.0%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	28	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	1	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	8	0
Mean number of unique drug classes	14	0
Mean number of generics	18	0
Mean number of filled prescriptions	36	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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	176,377	
Number of unique patients	165,122	
Demographics	Mean	Standard Deviation
Mean Age (Years)	70.4	16.4
Age (Years)	Number	Percent
6 Months - 4	3,027	1.7%
5-17	2,412	1.4%
18-49	11,762	6.7%
50-64	31,006	17.6%
65+	128,170	72.7%
Sex		
Female	82,394	49.9%
Male	82,696	50.1%
Other	32	0.0%
Year		
2014	83,842	47.5%
2015	92,535	52.5%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	1,133	0.6%
Day -7 to Day 7		
Influenza Testing	9,670	5.5%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	4.4	3.2
	Number	Percent
Influenza vaccination	48,466	27.5%
Asthma	32,426	18.4%
Chronic obstructive pulmonary disease	85,209	48.3%
Diabetes	70,255	39.8%
Obesity	33,716	19.1%
Enrollment History to Day 0		
Pneumococcal vaccination	53,273	30.2%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	15.8	14.9
Mean number of emergency room encounters (ED)	1.1	1.8
Mean number of inpatient hospital encounters (IP)	1.4	1.3
Mean number of non-acute institutional encounters (IS)	0.8	1.9
Mean number of other ambulatory encounters (OA)	6.3	9.5
Mean number of unique drug classes	9.3	5.9
Mean number of generics	10.1	6.6
Mean number of filled prescriptions	25.5	21.8

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	9,649	
Number of unique patients	9,649	
Demographics	Mean	Standard Deviation
Mean Age (Years)	77.6	11.6
Age (Years)	Number	Percent
6 Months - 4	5	0.1%
5-17	6	0.1%
18-49	195	2.0%
50-64	1,152	11.9%
65+	8,291	85.9%
Sex		
Female	4,482	46.5%
Male	5,166	53.5%
Other	1	0.0%
Year		
2014	4,613	47.8%
2015	5,036	52.2%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	28	0.3%
Day -7 to Day 7		
Influenza Testing	244	2.5%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	6.4	3.5
	Number	Percent
Influenza vaccination	2,269	23.5%
Asthma	968	10.0%
Chronic obstructive pulmonary disease	4,568	47.3%
Diabetes	3,843	39.8%
Obesity	1,314	13.6%
Enrollment History to Day 0		
Pneumococcal vaccination	2,707	28.1%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	20.3	17.2
Mean number of emergency room encounters (ED)	1.1	1.8
Mean number of inpatient hospital encounters (IP)	1.7	1.4
Mean number of non-acute institutional encounters (IS)	1.2	2.2
Mean number of other ambulatory encounters (OA)	7.6	9.3
Mean number of unique drug classes	9.3	5.8
Mean number of generics	10.1	6.5
Mean number of filled prescriptions	25.6	22.4

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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	198	
Number of unique patients	198	
Demographics	Mean	Standard Deviation
Mean Age (Years)	64.1	19.2
Age (Years)	Number	Percent
6 Months - 4	5	2.5%
5-17	13	6.6%
18-49	23	11.6%
50-64	41	20.7%
65+	116	58.6%
Sex		
Female	114	57.6%
Male	84	42.4%
Other	0	0.0%
Year		
2014	94	47.5%
2015	104	52.5%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	56	28.3%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.9	2.4
	Number	Percent
Influenza vaccination	84	42.4%
Asthma	39	19.7%
Chronic obstructive pulmonary disease	57	28.8%
Diabetes	62	31.3%
Obesity	35	17.7%
Enrollment History to Day 0		
Pneumococcal vaccination	57	28.8%
Health Service Utilization Intensity:		
Mean number of ambulatory encounters (AV)	11.6	10.2
Mean number of emergency room encounters (ED)	0.8	1.1
Mean number of inpatient hospital encounters (IP)	1.4	1.9
Mean number of non-acute institutional encounters (IS)	0.4	1.2
Mean number of other ambulatory encounters (OA)	5.8	16.5
Mean number of unique drug classes	10.1	5.2
Mean number of generics	10.7	5.7
Mean number of filled prescriptions	26.3	20.1

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

Table 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 1, 2014 and June 30, 2015

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	-	-
2014	-	-
2015	-	-
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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	106	
Number of unique patients	106	
Demographics	Mean	Standard Deviation
Mean Age (Years)	62.9	23.1
Age (Years)	Number	Percent
6 Months - 4	10	9.4%
5-17	4	3.8%
18-49	12	11.3%
50-64	12	11.3%
65+	68	64.2%
Sex		
Female	46	43.4%
Male	60	56.6%
Other	0	0.0%
Year		
2014	46	43.4%
2015	60	56.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	54	50.9%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.2	2.8
	Number	Percent
Influenza vaccination	26	24.5%
Asthma	17	16.0%
Chronic obstructive pulmonary disease	24	22.6%
Diabetes	28	26.4%
Obesity	20	18.9%
Enrollment History to Day 0		
Pneumococcal vaccination	28	26.4%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	13.2	14.8
Mean number of emergency room encounters (ED)	1.1	1.2
Mean number of inpatient hospital encounters (IP)	0.4	1.2
Mean number of non-acute institutional encounters (IS)	0.3	1.2
Mean number of other ambulatory encounters (OA)	5.6	9.7
Mean number of unique drug classes	7.6	5.2
Mean number of generics	8.2	5.6
Mean number of filled prescriptions	18.4	16.6

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	2	
Number of unique patients	2	
Demographics	Mean	Standard Deviation
Mean Age (Years)	55.6	0
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	0	0.0%
18-49	0	0.0%
50-64	2	100.0%
65+	0	0.0%
Sex		
Female	2	100.0%
Male	0	0.0%
Other	0	0.0%
Year		
2014	0	0.0%
2015	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	5	0
	Number	Percent
Influenza vaccination	2	100.0%
Asthma	2	100.0%
Chronic obstructive pulmonary disease	2	100.0%
Diabetes	0	0.0%
Obesity	0	0.0%
Enrollment History to Day 0		
Pneumococcal vaccination	2	100.0%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	28	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	1	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	8	0
Mean number of unique drug classes	14	0
Mean number of generics	18	0
Mean number of filled prescriptions	36	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 in the Sentinel Distributed Database (SDD), 0-5 Days after Diagnosis between July 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	57,321	
Number of unique patients	56,551	
Demographics	Mean	Standard Deviation
Mean Age (Years)	57.4	22
Age (Years)	Number	Percent
6 Months - 4	4,220	7.4%
5-17	3,973	6.9%
18-49	9,398	16.4%
50-64	10,354	18.1%
65+	29,376	51.2%
Sex		
Female	31,564	55.8%
Male	24,982	44.2%
Other	5	0.0%
Year		
2014	27,378	47.8%
2015	29,943	52.2%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	334	0.6%
Day -7 to Day 7		
Influenza Testing	7,637	13.3%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.6	2.8
	Number	Percent
Influenza vaccination	17,066	29.8%
Asthma	11,856	20.7%
Chronic obstructive pulmonary disease	17,006	29.7%
Diabetes	18,083	31.5%
Obesity	10,094	17.6%
Enrollment History to Day 0		
Pneumococcal vaccination	16,453	28.7%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	12.9	13.5
Mean number of emergency room encounters (ED)	1	1.9
Mean number of inpatient hospital encounters (IP)	0.9	1.2
Mean number of non-acute institutional encounters (IS)	0.4	1.4
Mean number of other ambulatory encounters (OA)	4.7	9.5
Mean number of unique drug classes	7.8	5.6
Mean number of generics	8.4	6.3
Mean number of filled prescriptions	20.2	19.5

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	1,099	
Number of unique patients	1,099	
Demographics	Mean	Standard Deviation
Mean Age (Years)	75.9	13.4
Age (Years)	Number	Percent
6 Months - 4	3	0.3%
5-17	4	0.4%
18-49	44	4.0%
50-64	146	13.3%
65+	902	82.1%
Sex		
Female	541	49.2%
Male	558	50.8%
Other	0	0.0%
Year		
2014	512	46.6%
2015	587	53.4%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	5	0.5%
Day -7 to Day 7		
Influenza Testing	108	9.8%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	4.9	3.5
	Number	Percent
Influenza vaccination	334	30.4%
Asthma	119	10.8%
Chronic obstructive pulmonary disease	479	43.6%
Diabetes	463	42.1%
Obesity	156	14.2%
Enrollment History to Day 0		
Pneumococcal vaccination	289	26.3%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	17.9	16.5
Mean number of emergency room encounters (ED)	0.9	1.9
Mean number of inpatient hospital encounters (IP)	1.2	1.5
Mean number of non-acute institutional encounters (IS)	1	2.1
Mean number of other ambulatory encounters (OA)	6.4	8.2
Mean number of unique drug classes	9.1	5.8
Mean number of generics	9.7	6.3
Mean number of filled prescriptions	25	22.8

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	177	
Number of unique patients	177	
Demographics	Mean	Standard Deviation
Mean Age (Years)	62.8	19.5
Age (Years)	Number	Percent
6 Months - 4	5	2.8%
5-17	12	6.8%
18-49	25	14.1%
50-64	30	16.9%
65+	105	59.3%
Sex		
Female	97	54.8%
Male	80	45.2%
Other	0	0.0%
Year		
2014	91	51.4%
2015	86	48.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	52	29.4%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2.9	2.4
	Number	Percent
Influenza vaccination	85	48.0%
Asthma	34	19.2%
Chronic obstructive pulmonary disease	49	27.7%
Diabetes	56	31.6%
Obesity	29	16.4%
Enrollment History to Day 0		
Pneumococcal vaccination	50	28.2%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	13.4	11.4
Mean number of emergency room encounters (ED)	0.9	1.2
Mean number of inpatient hospital encounters (IP)	1.5	2
Mean number of non-acute institutional encounters (IS)	0.4	1.3
Mean number of other ambulatory encounters (OA)	5.8	16.9
Mean number of unique drug classes	10.1	4.7
Mean number of generics	10.7	5.3
Mean number of filled prescriptions	24.6	17.3

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

Table 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 1, 2014 and June 30, 2015

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	-	-
2014	-	-
2015	-	-
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 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	108	
Number of unique patients	108	
Demographics	Mean	Standard Deviation
Mean Age (Years)	61.3	24.4
Age (Years)	Number	Percent
6 Months - 4	10	9.3%
5-17	6	5.6%
18-49	13	12.0%
50-64	17	15.7%
65+	62	57.4%
Sex		
Female	50	46.3%
Male	58	53.7%
Other	0	0.0%
Year		
2014	49	45.4%
2015	59	54.6%
Recorded history of:	Number	Percent
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	58	53.7%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	2	2.6
	Number	Percent
Influenza vaccination	30	27.8%
Asthma	15	13.9%
Chronic obstructive pulmonary disease	18	16.7%
Diabetes	23	21.3%
Obesity	15	13.9%
Enrollment History to Day 0		
Pneumococcal vaccination	30	27.8%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	12.8	14.4
Mean number of emergency room encounters (ED)	1	1.3
Mean number of inpatient hospital encounters (IP)	0.3	0.8
Mean number of non-acute institutional encounters (IS)	0.3	1.1
Mean number of other ambulatory encounters (OA)	4.6	7
Mean number of unique drug classes	7.2	5.2
Mean number of generics	7.7	5.6
Mean number of filled prescriptions	17.8	17.4

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

Table 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 1, 2014 and June 30, 2015

Characteristic¹	Number	
Number of episodes	4	
Number of unique patients	4	
Demographics	Mean	Standard Deviation
Mean Age (Years)	69.2	19.2
Age (Years)	Number	Percent
6 Months - 4	0	0.0%
5-17	0	0.0%
18-49	0	0.0%
50-64	2	50.0%
65+	2	50.0%
Sex		
Female	4	100.0%
Male	0	0.0%
Other	0	0.0%
Year		
2014	0	0.0%
2015	4	100.0%
Recorded history of:	Mean	Standard Deviation
Day 0		
Influenza vaccination	0	0.0%
Day -7 to Day 7		
Influenza Testing	4	100.0%
Day -183 to Day 0	Mean	Standard Deviation
Prior combined comorbidity raw score	6	1.4
	Number	Percent
Influenza vaccination-Day	2	50.0%
Asthma	2	50.0%
Chronic obstructive pulmonary disease	4	100.0%
Diabetes	0	0.0%
Obesity	0	0.0%
Enrollment History to Day 0		
Pneumococcal vaccination	4	100.0%
Health Service Utilization Intensity:	Mean	Standard Deviation
Mean number of ambulatory encounters (AV)	18	14.1
Mean number of emergency room encounters (ED)	0.5	0.7
Mean number of inpatient hospital encounters (IP)	0.5	0.7
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	4	5.7
Mean number of unique drug classes	13.5	0.7
Mean number of generics	16	2.8
Mean number of filled prescriptions	55.5	27.6

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

Table 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 (SDD) between July 1, 2014 and June 30, 2015, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI					
Total	731,293	47,720,168	745,232	0.0	0.59
Treated Day of Diagnosis	395,892		398,455	30,890.1	1.01
Treated Day After Diagnosis	23,701		23,710	1,775.6	1.00
Treated 1-5 Days After Diagnosis	32,783		32,801	2,415.3	1.00
Not Treated 0-5 Days After Diagnosis	303,651		309,814	19,913.8	0.00
P and I					
Total	1,418,948	47,717,826	1,577,968	0.0	0.31
Treated Day of Diagnosis	396,329		398,882	30,923.0	1.01
Treated Day After Diagnosis	23,994		24,003	1,797.4	1.00
Treated 1-5 Days After Diagnosis	34,100		34,124	2,508.1	1.00
Not Treated 0-5 Days After Diagnosis	986,828		1,124,991	71,074.4	0.00
MAARI					
Total	7,224,092	47,712,629	9,104,083	0.0	0.06
Treated Day of Diagnosis	405,876		408,323	31,654.6	1.01
Treated Day After Diagnosis	29,707		29,716	2,226.9	1.00
Treated 1-5 Days After Diagnosis	47,548		47,588	3,480.3	1.00
Not Treated 0-5 Days After Diagnosis	6,814,259		8,522,350	542,806.5	0.00
ILI - Treated Day of Diagnosis					
Hospitalization	395,728		398,289	30,711.3	1.01
Bilevel Positive Airway Pressure (BiPAP)	395,852		398,414	30,843.1	1.01
Supplemental oxygen	388,628		391,104	30,143.0	1.01
Mechanical ventilation	395,884		398,447	30,879.4	1.01
Critical Care	395,702		398,264	30,756.9	1.01
Extracorporeal membrane oxygenation (ECMO)	395,892		398,455	30,889.9	1.01
Death	395,892		398,455	30,887.8	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 (SDD) between July 1, 2014 and June 30, 2015, 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	3.13	5.29				38,025,820.4
Treated Day of Diagnosis	5.36	5.32				
Treated Day After Diagnosis	5.28	5.27				
Treated 1-5 Days After Diagnosis	5.02	5.01				
NOT Treated 0-5 Days After Diagnosis	0.00					
P and I						
Total	1.62	5.29				37,941,667.9
Treated Day of Diagnosis	5.36	5.32				
Treated Day After Diagnosis	5.29	5.27				
Treated 1-5 Days After Diagnosis	5.02	5.01				
NOT Treated 0-5 Days After Diagnosis	0.00	-				
MAARI						
Total	0.34	5.33				37,302,251.6
Treated Day of Diagnosis	5.38	5.34				
Treated Day After Diagnosis	5.35	5.34				
Treated 1-5 Days After Diagnosis	5.26	5.25				
NOT Treated 0-5 Days After Diagnosis	0.00	-				
ILI - Treated Day of Diagnosis						
Hospitalization	5.36	5.32	3,313	8.32	107.88	
Bilevel Positive Airway Pressure (BiPAP)	5.36	5.32	1,142	2.87	37.03	
Supplemental oxygen	5.36	5.32	3,466	8.86	114.99	
Mechanical ventilation	5.36	5.32	206	0.52	6.67	
Critical Care	5.36	5.32	2,292	5.75	74.52	
Extracorporeal membrane oxygenation (ECMO)	5.36	5.32	5	0.01	0.16	
Death	5.36	5.32	112	0.28	3.63	

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 (SDD) between July 1, 2014 and June 30, 2015, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive	395,741		398,302	30,721.2	1.01
ILI - Treated Day After Diagnosis					
Hospitalization	23,330		23,339	1,724.3	1.00
BiPAP	23,696		23,705	1,772.5	1.00
Supplemental oxygen	22,059		22,066	1,636.7	1.00
Mechanical ventilation	23,685		23,694	1,772.6	1.00
Critical Care	23,234		23,243	1,723.9	1.00
ECMO	23,701		23,710	1,775.6	1.00
Death	23,699		23,708	1,774.5	1.00
Discharge from hospital alive	23,373		23,382	1,730.0	1.00
ILI - Treated 1-5 Days After Diagnosis					
Hospitalization	28,840		28,855	2,106.1	1.00
BiPAP	32,762		32,780	2,408.9	1.00
Supplemental oxygen	30,023		30,034	2,186.1	1.00
Mechanical ventilation	32,676		32,694	2,404.6	1.00
Critical Care	29,325		29,339	2,147.5	1.00
ECMO	32,783		32,801	2,415.3	1.00
Death	32,781		32,799	2,413.3	1.00
Discharge from hospital alive	29,281		29,296	2,138.5	1.00
ILI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization	294,909		300,698	19,239.5	0.00
BiPAP	303,422		309,568	19,870.3	0.00
Supplemental oxygen	293,435		299,235	19,151.9	0.00
Mechanical ventilation	302,708		308,834	19,845.7	0.00
Critical Care	295,165		300,964	19,283.7	0.00
ECMO	303,647		309,809	19,913.5	0.00
Death	303,342		309,497	19,883.9	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 (SDD) between July 1, 2014 and June 30, 2015, 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
Discharge from hospital alive	5.36	5.32	3,120	7.83	101.56	
ILI - Treated Day After Diagnosis						
Hospitalization	5.29	5.28	483	20.69	280.11	
BiPAP	5.28	5.27	76	3.21	42.88	
Supplemental oxygen	5.30	5.28	304	13.78	185.74	
Mechanical ventilation	5.28	5.27	35	1.48	19.75	
Critical Care	5.29	5.28	330	14.20	191.43	
ECMO	5.28	5.27	0	0.00	0.00	
Death	5.28	5.27	40	1.69	22.54	
Discharge from hospital alive	5.29	5.28	434	18.56	250.87	
ILI - Treated 1-5 Days After Diagnosis						
Hospitalization	5.22	5.21	675	23.39	320.50	
BiPAP	5.03	5.01	136	4.15	56.46	
Supplemental oxygen	5.06	5.05	534	17.78	244.27	
Mechanical ventilation	5.03	5.02	67	2.05	27.86	
Critical Care	5.18	5.17	499	17.01	232.36	
ECMO	5.02	5.01	0	0.00	0.00	
Death	5.02	5.01	81	2.47	33.56	
Discharge from hospital alive	5.19	5.18	642	21.91	300.21	
ILI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization	0.00	-	2,696	8.97	140.13	
BiPAP	0.00	-	871	2.81	43.83	
Supplemental oxygen	0.00	-	2,157	7.21	112.63	
Mechanical ventilation	0.00	-	280	0.91	14.11	
Critical Care	0.00	-	1,971	6.55	102.21	
ECMO	0.00	-	1	0.00	0.05	
Death	0.00	-	707	2.28	35.56	

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 (SDD) between July 1, 2014 and June 30, 2015, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive	296,049		301,871	19,315.8	0.00
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization	13,112		13,162		
BiPAP	263		266		
Supplemental oxygen	13,296		13,356		
Mechanical ventilation	1,100		1,104		
Critical Care	12,327		12,385		
ECMO	5		5		
Death	375		375		
Discharge from hospital alive	11,488		11,525		
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization	166		166		
BiPAP	41		41		
Supplemental oxygen	7,352		7,360		
Mechanical ventilation	8		8		
Critical Care	191		191		
ECMO	0		0		
Death	0		0		
Discharge from hospital alive	153		153		
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization	92		92		
BiPAP	8		8		
Supplemental oxygen	129		129		
Mechanical ventilation	9		9		
Critical Care	122		122		
ECMO	0		0		
Death	2		2		

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 (SDD) between July 1, 2014 and June 30, 2015, 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
Discharge from hospital alive	0.00	-	2,493	8.26	129.07	
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						

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 (SDD) between July 1, 2014 and June 30, 2015, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive	67		67		
P and I - Treated Day of Diagnosis					
Hospitalization	396,133		398,684	30,739.5	1.01
BiPAP	396,289		398,841	30,876.0	1.01
Supplemental oxygen	388,985		391,448	30,168.7	1.01
Mechanical ventilation	396,316		398,869	30,911.4	1.01
Critical Care	396,113		398,665	30,786.8	1.01
ECMO	396,329		398,882	30,922.8	1.01
Death	396,329		398,882	30,920.2	1.01
Discharge from hospital alive	396,150		398,701	30,749.7	1.01
P and I - Treated After Day of Diagnosis					
Hospitalization	23,587		23,596	1,742.6	1.00
BiPAP	23,989		23,998	1,794.3	1.00
Supplemental oxygen	22,333		22,340	1,657.2	1.00
Mechanical ventilation	23,976		23,985	1,794.0	1.00
Critical Care	23,520		23,529	1,744.7	1.00
ECMO	23,994		24,003	1,797.4	1.00
Death	23,992		24,001	1,796.2	1.00
Discharge from hospital alive	23,630		23,639	1,748.4	1.00
P and I - Treated 1-5 Days After Diagnosis					
Hospitalization	29,462		29,479	2,148.9	1.00
BiPAP	34,076		34,100	2,501.1	1.00
Supplemental oxygen	31,189		31,205	2,267.7	1.00
Mechanical ventilation	33,950		33,974	2,494.4	1.00
Critical Care	30,241		30,259	2,211.6	1.00
ECMO	34,100		34,124	2,508.1	1.00
Death	34,098		34,122	2,505.9	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 (SDD) between July 1, 2014 and June 30, 2015, 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
Discharge from hospital alive						
P and I - Treated Day of Diagnosis						
Hospitalization	5.36	5.32	3,344	8.39	108.79	
BiPAP	5.36	5.32	1,144	2.87	37.05	
Supplemental oxygen	5.36	5.32	3,475	8.88	115.19	
Mechanical ventilation	5.36	5.32	216	0.54	6.99	
Critical Care	5.36	5.32	2,309	5.79	75.00	
ECMO	5.36	5.32	5	0.01	0.16	
Death	5.36	5.32	128	0.32	4.14	
Discharge from hospital alive	5.36	5.32	3,150	7.90	102.44	
P and I - Treated After Day of Diagnosis						
Hospitalization	5.30	5.28	495	20.98	284.06	
BiPAP	5.29	5.27	74	3.08	41.24	
Supplemental oxygen	5.30	5.28	302	13.52	182.24	
Mechanical ventilation	5.29	5.27	40	1.67	22.30	
Critical Care	5.30	5.28	339	14.41	194.30	
ECMO	5.29	5.27	0	0.00	0.00	
Death	5.29	5.27	46	1.92	25.61	
Discharge from hospital alive	5.30	5.28	445	18.82	254.52	
P and I - Treated 1-5 Days After Diagnosis						
Hospitalization	5.25	5.23	709	24.05	329.94	
BiPAP	5.02	5.01	142	4.16	56.78	
Supplemental oxygen	5.06	5.04	556	17.82	245.18	
Mechanical ventilation	5.03	5.02	73	2.15	29.27	
Critical Care	5.19	5.17	528	17.45	238.74	
ECMO	5.02	5.01	0	0.00	0.00	
Death	5.02	5.01	91	2.67	36.31	

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 (SDD) between July 1, 2014 and June 30, 2015, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive	29,916		29,933	2,182.6	1.00
P and I - NOT Treated 0-5 Days After Diagnosis					
Hospitalization	857,981		956,759	59,493.0	0.00
BiPAP	985,578		1,122,679	70,712.8	0.00
Supplemental oxygen	903,663		1,023,438	63,785.4	0.00
Mechanical ventilation	969,365		1,101,313	69,461.3	0.00
Critical Care	856,384		957,026	59,817.5	0.00
ECMO	986,763		1,124,907	71,068.3	0.00
Death	979,768		1,116,759	70,213.0	0.00
Discharge from hospital alive	878,669		981,815	61,024.5	0.00
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization	165,122		176,377		
BiPAP	2,066		2,360		
Supplemental oxygen	103,017		106,049		
Mechanical ventilation	24,038		24,692		
Critical Care	163,247		175,730		
ECMO	80		86		
Death	9,649		9,649		
Discharge from hospital alive	141,315		149,762		
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization	198		198		
BiPAP	41		41		
Supplemental oxygen	7,435		7,443		
Mechanical ventilation	13		13		
Critical Care	217		217		
ECMO	0		0		
Death	0		0		

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 (SDD) between July 1, 2014 and June 30, 2015, 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
Discharge from hospital alive	5.22	5.21	665	22.22	304.68	
P and I - NOT Treated 0-5 Days After Diagnosis						
Hospitalization	0.00	-	34,485	36.04	579.65	
BiPAP	0.00	-	6,897	6.14	97.54	
Supplemental oxygen	0.00	-	23,792	23.25	373.00	
Mechanical ventilation	0.00	-	7,151	6.49	102.95	
Critical Care	0.00	-	27,534	28.77	460.30	
ECMO	0.00	-	34	0.03	0.48	
Death	0.00	-	21,715	19.44	309.27	
Discharge from hospital alive	0.00	-	31,188	31.77	511.07	
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						

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 (SDD) between July 1, 2014 and June 30, 2015, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive	181		181		
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization	106		106		
BiPAP	10		10		
Supplemental oxygen	152		152		
Mechanical ventilation	10		10		
Critical Care	124		124		
ECMO	0		0		
Death	2		2		
Discharge from hospital alive	81		81		
MAARI - Treated Day of Diagnosis					
Hospitalization	405,700		408,146	31,462.7	1.01
BiPAP	405,826		408,272	31,604.6	1.01
Supplemental oxygen	398,596		400,968	30,905.1	1.01
Mechanical ventilation	405,869		408,316	31,643.8	1.01
Critical Care	405,675		408,121	31,510.5	1.01
ECMO	405,876		408,323	31,654.4	1.01
Death	405,876		408,323	31,652.1	1.01
Discharge from hospital alive	405,714		408,160	31,473.6	1.01
MAARI - Treated After Day of Diagnosis					
Hospitalization	29,337		29,346	2,170.7	1.00
BiPAP	29,705		29,714	2,223.0	1.00
Supplemental oxygen	27,985		27,992	2,078.5	1.00
Mechanical ventilation	29,691		29,700	2,223.5	1.00
Critical Care	29,244		29,253	2,172.3	1.00
ECMO	29,707		29,716	2,226.9	1.00
Death	29,705		29,714	2,225.6	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 (SDD) between July 1, 2014 and June 30, 2015, 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
Discharge from hospital alive						
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	5.38	5.34	3,534	8.66	112.32	
BiPAP	5.38	5.34	1,190	2.91	37.65	
Supplemental oxygen	5.38	5.34	3,462	8.63	112.02	
Mechanical ventilation	5.38	5.34	213	0.52	6.73	
Critical Care	5.38	5.34	2,468	6.05	78.32	
ECMO	5.38	5.34	5	0.01	0.16	
Death	5.38	5.34	109	0.27	3.44	
Discharge from hospital alive	5.38	5.34	3,321	8.14	105.52	
MAARI - Treated After Day of Diagnosis						
Hospitalization	5.36	5.34	564	19.22	259.82	
BiPAP	5.35	5.34	100	3.37	44.98	
Supplemental oxygen	5.36	5.35	376	13.43	180.90	
Mechanical ventilation	5.35	5.34	43	1.45	19.34	
Critical Care	5.35	5.34	388	13.26	178.61	
ECMO	5.35	5.34	0	0.00	0.00	
Death	5.35	5.34	44	1.48	19.77	

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 (SDD) between July 1, 2014 and June 30, 2015, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive	29,380		29,389	2,176.7	1.00
MAARI - Treated 1-5 Days After Diagnosis					
Hospitalization	43,611		43,644	3,161.2	1.00
BiPAP	47,522		47,562	3,471.3	1.00
Supplemental oxygen	44,314		44,343	3,209.7	1.00
Mechanical ventilation	47,438		47,478	3,468.8	1.00
Critical Care	44,157		44,189	3,210.7	1.00
ECMO	47,548		47,588	3,480.3	1.00
Death	47,544		47,584	3,477.9	1.00
Discharge from hospital alive	44,032		44,065	3,193.3	1.00
MAARI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization	6,775,391		8,469,518	537,589.6	0.00
BiPAP	6,810,194		8,516,490	541,795.6	0.00
Supplemental oxygen	6,681,345		8,321,583	528,202.3	0.00
Mechanical ventilation	6,811,450		8,518,689	542,478.5	0.00
Critical Care	6,778,823		8,475,249	538,554.9	0.00
ECMO	6,814,244		8,522,332	542,805.0	0.00
Death	6,813,473		8,521,432	542,686.9	0.00
Discharge from hospital alive	6,779,271		8,474,509	538,033.5	0.00
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization	56,551		57,321		
BiPAP	5,757		5,939		
Supplemental oxygen	199,851		206,077		
Mechanical ventilation	3,821		3,849		
Critical Care	50,243		51,057		
ECMO	18		18		
Death	1,099		1,099		

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 (SDD) between July 1, 2014 and June 30, 2015, 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
Discharge from hospital alive	5.35	5.34	509	17.32	233.84	
MAARI - Treated 1-5 Days After Diagnosis						
Hospitalization	5.41	5.39	886	20.30	280.27	
BiPAP	5.26	5.25	193	4.06	55.60	
Supplemental oxygen	5.29	5.28	698	15.74	217.47	
Mechanical ventilation	5.26	5.25	82	1.73	23.64	
Critical Care	5.38	5.36	632	14.30	196.84	
ECMO	5.26	5.25	0	0.00	0.00	
Death	5.26	5.25	83	1.74	23.86	
Discharge from hospital alive	5.39	5.38	830	18.84	259.92	
MAARI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization	0.00	-	55,057	6.50	102.41	
BiPAP	0.00	-	20,148	2.37	37.19	
Supplemental oxygen	0.00	-	49,613	5.96	93.93	
Mechanical ventilation	0.00	-	3,314	0.39	6.11	
Critical Care	0.00	-	37,440	4.42	69.52	
ECMO	0.00	-	13	0.00	0.02	
Death	0.00	-	3,702	0.43	6.82	
Discharge from hospital alive	0.00	-	50,823	6.00	94.46	
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						

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 (SDD) between July 1, 2014 and June 30, 2015, Overall

	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Discharge from hospital alive	51,152		51,806		
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization	177		177		
BiPAP	51		51		
Supplemental oxygen	7,359		7,366		
Mechanical ventilation	7		7		
Critical Care	202		202		
ECMO	0		0		
Death	0		0		
Discharge from hospital alive	163		163		
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization	108		108		
BiPAP	8		8		
Supplemental oxygen	385		387		
Mechanical ventilation	10		10		
Critical Care	128		128		
ECMO	0		0		
Death	4		4		
Discharge from hospital alive	78		78		

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 (SDD) between July 1, 2014 and June 30, 2015, 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
Discharge from hospital alive						
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, 2014 and June 30, 2015 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	390,985	24,361,589	398,528	0.0	0.58	3.08	5.27				19,482,452.3
Male	340,287	23,356,524	346,683	0.0	0.60	3.18	5.31				18,541,747.8
Other	21	2,055	21	0.0	0.67	3.29	4.93				1,620.3
Treated Day of Diagnosis											
Female	208,653		209,950	16,265.6	1.01	5.33	5.30				
Male	187,229		188,495	14,623.7	1.01	5.38	5.34				
Other	10		10	0.8	1.00	5.50	5.50				
Treated Day After Diagnosis											
Female	12,924		12,930	966.3	1.00	5.25	5.23				
Male	10,776		10,779	809.2	1.00	5.33	5.31				
Other	1		1	0.1	1.00	5.00	5.00				
Treated 1-5 Days After Diagnosis											
Female	17,802		17,811	1,309.8	1.00	5.00	4.99				
Male	14,977		14,986	1,105.3	1.00	5.06	5.04				
Other	4		4	0.3	1.00	3.50	3.50				
NOT Treated 0-5 Days After Diagnosis											
Female	164,942		168,343	10,818.5	0.00	0.00	-				
Male	138,702		141,464	9,094.9	0.00	0.00	-				
Other	7		7	0.4	0.00	0.00	-				
P and I											
Total											
Female	745,112	24,360,503	829,510	0.0	0.31	1.62	5.27				19,438,624.3
Male	673,746	23,355,269	748,349	0.0	0.30	1.61	5.31				18,501,431.2
Other	90	2,054	109	0.0	0.16	0.77	4.93				1,612.3

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, 2014 and June 30, 2015 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 of Diagnosis											
Female	208,827		210,130	16,279.4	1.01	5.33	5.30				
Male	187,492		188,742	14,642.9	1.01	5.38	5.34				
Other	10		10	0.8	1.00	5.50	5.50				
Treated Day After Diagnosis											
Female	13,072		13,078	977.4	1.00	5.25	5.24				
Male	10,921		10,924	819.9	1.00	5.33	5.32				
Other	1		1	0.1	1.00	5.00	5.00				
Treated 1-5 Days After Diagnosis											
Female	18,504		18,515	1,359.2	1.00	5.00	4.99				
Male	15,592		15,605	1,148.6	1.00	5.05	5.04				
Other	4		4	0.3	1.00	3.50	3.50				
NOT Treated 0-5 Days After Diagnosis											
Female	516,869		590,411	37,335.3	0.00	0.00	-				
Male	469,886		534,490	33,733.7	0.00	0.00	-				
Other	73		90	5.4	0.00	0.00	-				
MAARI											
Total											
Female	4,116,123	24,357,529	5,185,171	0.0	0.06	0.31	5.31				19,068,499.7
Male	3,107,722	23,353,045	3,918,619	0.0	0.07	0.37	5.35				18,232,154.9
Other	247	2,055	293	0.0	0.06	0.32	4.94				1,597.1
Treated Day of Diagnosis											
Female	214,905		216,146	16,743.6	1.01	5.36	5.32				
Male	190,959		192,165	14,910.0	1.01	5.40	5.36				
Other	12		12	1.0	1.00	5.42	5.42				

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, 2014 and June 30, 2015 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	16,382		16,388	1,226.9	1.00	5.32	5.31				
Male	13,324		13,327	999.9	1.00	5.38	5.37				
Other	1		1	0.1	1.00	5.00	5.00				
Treated 1-5 Days After Diagnosis											
Female	26,259		26,274	1,920.2	1.00	5.24	5.23				
Male	21,285		21,310	1,559.8	1.00	5.28	5.27				
Other	4		4	0.3	1.00	3.50	3.50				
NOT Treated 0-5 Days After Diagnosis											
Female	3,897,121		4,870,296	310,143.8	0.00	0.00	-				
Male	2,916,907		3,651,780	232,645.4	0.00	0.00	-				
Other	231		274	17.3	0.00	0.00	-				
ILI - Treated Day of Diagnosis											
Hospitalization											
Female	208,565		209,861	16,163.1	1.01	5.33	5.30	1,936	9.23	119.78	
Male	187,153		188,418	14,547.4	1.01	5.38	5.34	1,377	7.31	94.66	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Bilevel Positive Airway Pressure (BiPAP)											
Female	208,641		209,938	16,247.7	1.01	5.33	5.30	435	2.07	26.77	
Male	187,201		188,466	14,594.6	1.01	5.38	5.34	707	3.75	48.44	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Supplemental oxygen											
Female	204,717		205,970	15,855.5	1.01	5.34	5.30	1,954	9.49	123.24	
Male	183,901		185,124	14,286.7	1.01	5.38	5.34	1,512	8.17	105.83	
Other	10		10	0.8	1.00	5.50	5.50	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, 2014 and June 30, 2015 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	208,649		209,946	16,260.4	1.01	5.33	5.30	101	0.48	6.21	
Male	187,225		188,491	14,618.2	1.01	5.38	5.34	105	0.56	7.18	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Critical Care											
Female	208,563		209,859	16,196.1	1.01	5.33	5.30	1,215	5.79	75.02	
Male	187,129		188,395	14,560.0	1.01	5.38	5.34	1,077	5.72	73.97	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Extracorporeal membrane oxygenation (ECMO)											
Female	208,653		209,950	16,265.6	1.01	5.33	5.30	0	0.00	0.00	
Male	187,229		188,495	14,623.5	1.01	5.38	5.34	5	0.03	0.34	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Death											
Female	208,653		209,950	16,264.1	1.01	5.33	5.30	65	0.31	4.00	
Male	187,229		188,495	14,622.9	1.01	5.38	5.34	47	0.25	3.21	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Discharge from hospital alive											
Female	208,576		209,872	16,168.5	1.01	5.33	5.30	1,837	8.75	113.62	
Male	187,155		188,420	14,551.9	1.01	5.38	5.34	1,283	6.81	88.17	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
ILI - Treated Day After Diagnosis											
Hospitalization											
Female	12,750		12,756	939.3	1.00	5.26	5.24	296	23.20	315.13	
Male	10,579		10,582	785.0	1.00	5.33	5.32	187	17.67	238.22	
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, 2014 and June 30, 2015 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	12,920		12,926	965.3	1.00	5.25	5.23	25	1.93	25.90	
Male	10,775		10,778	807.1	1.00	5.33	5.31	51	4.73	63.19	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	11,995		12,000	887.6	1.00	5.26	5.25	173	14.42	194.91	
Male	10,063		10,065	749.0	1.00	5.34	5.32	131	13.02	174.90	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Mechanical ventilation											
Female	12,923		12,929	965.4	1.00	5.25	5.23	18	1.39	18.65	
Male	10,761		10,764	807.1	1.00	5.33	5.31	17	1.58	21.06	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	12,688		12,694	939.7	1.00	5.26	5.24	187	14.73	199.00	
Male	10,545		10,548	784.2	1.00	5.33	5.32	143	13.56	182.35	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
ECMO											
Female	12,924		12,930	966.3	1.00	5.25	5.23	0	0.00	0.00	
Male	10,776		10,779	809.2	1.00	5.33	5.31	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	12,922		12,928	965.7	1.00	5.25	5.23	26	2.01	26.92	
Male	10,776		10,779	808.7	1.00	5.33	5.31	14	1.30	17.31	
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, 2014 and June 30, 2015 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	12,774		12,780	942.4	1.00	5.26	5.24	266	20.81	282.26	
Male	10,598		10,601	787.6	1.00	5.33	5.32	168	15.85	213.31	
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	15,750		15,758	1,148.1	1.00	5.19	5.17	399	25.32	347.53	
Male	13,088		13,095	957.8	1.00	5.26	5.25	276	21.08	288.16	
Other	2		2	0.1	1.00	4.50	4.50	0	0.00	0.00	
BiPAP											
Female	17,791		17,800	1,307.0	1.00	5.00	4.99	54	3.03	41.32	
Male	14,967		14,976	1,101.5	1.00	5.06	5.05	82	5.48	74.44	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Supplemental oxygen											
Female	16,243		16,250	1,180.2	1.00	5.03	5.02	295	18.15	249.96	
Male	13,776		13,780	1,005.6	1.00	5.09	5.08	239	17.34	237.67	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Mechanical ventilation											
Female	17,759		17,768	1,305.3	1.00	5.00	4.99	33	1.86	25.28	
Male	14,913		14,922	1,099.0	1.00	5.06	5.05	34	2.28	30.94	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Critical Care											
Female	16,026		16,033	1,172.4	1.00	5.15	5.13	281	17.53	239.68	
Male	13,297		13,304	975.0	1.00	5.22	5.21	218	16.39	223.59	
Other	2		2	0.1	1.00	4.50	4.50	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, 2014 and June 30, 2015 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	17,802		17,811	1,309.8	1.00	5.00	4.99	0	0.00	0.00	
Male	14,977		14,986	1,105.3	1.00	5.06	5.04	0	0.00	0.00	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Death											
Female	17,800		17,809	1,308.5	1.00	5.00	4.99	52	2.92	39.74	
Male	14,977		14,986	1,104.5	1.00	5.06	5.04	29	1.94	26.26	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Discharge from hospital alive											
Female	15,989		15,997	1,165.6	1.00	5.16	5.15	377	23.57	323.44	
Male	13,290		13,297	972.8	1.00	5.23	5.22	265	19.93	272.41	
Other	2		2	0.1	1.00	4.50	4.50	0	0.00	0.00	
ILI - NOT Treated 0-5 Days After Diagnosis											
Hospitalization											
Female	160,138		163,329	10,445.4	0.00	0.00	-	1,534	9.39	146.86	
Male	134,764		137,362	8,793.6	0.00	0.00	-	1,162	8.46	132.14	
Other	7		7	0.4	0.00	0.00	-	0	0.00	0.00	
BiPAP											
Female	164,834		168,226	10,799.9	0.00	0.00	-	355	2.11	32.87	
Male	138,581		141,335	9,070.1	0.00	0.00	-	516	3.65	56.89	
Other	7		7	0.4	0.00	0.00	-	0	0.00	0.00	
Supplemental oxygen											
Female	159,237		162,447	10,390.2	0.00	0.00	-	1,269	7.81	122.13	
Male	134,191		136,781	8,761.3	0.00	0.00	-	888	6.49	101.35	
Other	7		7	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, 2014 and June 30, 2015 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 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
Mechanical ventilation											
Female	164,444		167,829	10,782.2	0.00	0.00	-	151	0.90	14.00	
Male	138,257		140,998	9,063.1	0.00	0.00	-	129	0.91	14.23	
Other	7		7	0.4	0.00	0.00	-	0	0.00	0.00	
Critical Care											
Female	160,415		163,625	10,481.7	0.00	0.00	-	1,048	6.40	99.98	
Male	134,743		137,332	8,801.6	0.00	0.00	-	923	6.72	104.87	
Other	7		7	0.4	0.00	0.00	-	0	0.00	0.00	
ECMO											
Female	164,939		168,340	10,818.2	0.00	0.00	-	1	0.01	0.09	
Male	138,701		141,462	9,094.9	0.00	0.00	-	0	0.00	0.00	
Other	7		7	0.4	0.00	0.00	-	0	0.00	0.00	
Death											
Female	164,786		168,187	10,803.9	0.00	0.00	-	345	2.05	31.93	
Male	138,549		141,303	9,079.6	0.00	0.00	-	362	2.56	39.87	
Other	7		7	0.4	0.00	0.00	-	0	0.00	0.00	
Discharge from hospital alive											
Female	160,769		163,973	10,487.2	0.00	0.00	-	1,425	8.69	135.88	
Male	135,273		137,891	8,828.2	0.00	0.00	-	1,068	7.75	120.98	
Other	7		7	0.4	0.00	0.00	-	0	0.00	0.00	
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis											
Hospitalization											
Female	7,108										
Male	6,002										
Other	2										

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, 2014 and June 30, 2015 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	125										
Male	138										
Other	0										
Supplemental oxygen											
Female	7,436										
Male	5,860										
Other	0										
Mechanical ventilation											
Female	565										
Male	535										
Other	0										
Critical Care											
Female	6,520										
Male	5,805										
Other	2										
ECMO											
Female	3										
Male	2										
Other	0										
Death											
Female	186										
Male	189										
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, 2014 and June 30, 2015 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	6,214										
Male	5,272										
Other	2										
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis											
Hospitalization											
Female	89										
Male	77										
Other	0										
BiPAP											
Female	12										
Male	29										
Other	0										
Supplemental oxygen											
Female	3,981										
Male	3,371										
Other	0										
Mechanical ventilation											
Female	4										
Male	4										
Other	0										
Critical Care											
Female	91										
Male	100										
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, 2014 and June 30, 2015 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	78										
Male	75										
Other	0										
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis											
Hospitalization											
Female	40										
Male	52										
Other	0										
BiPAP											
Female	5										
Male	3										
Other	0										
Supplemental oxygen											
Female	73										
Male	56										
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, 2014 and June 30, 2015 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	8										
Other	0										
Critical Care											
Female	58										
Male	64										
Other	0										
ECMO											
Female	0										
Male	0										
Other	0										
Death											
Female	2										
Male	0										
Other	0										
Discharge from hospital alive											
Female	28										
Male	39										
Other	0										
P and I - Treated Day of Diagnosis											
Hospitalization											
Female	208,714		210,016	16,173.9	1.01	5.33	5.30	1,951	9.29	120.63	
Male	187,409		188,658	14,564.8	1.01	5.38	5.34	1,393	7.38	95.64	
Other	10		10	0.8	1.00	5.50	5.50	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, 2014 and June 30, 2015 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	208,815		210,118	16,261.5	1.01	5.33	5.30	433	2.06	26.63	
Male	187,464		188,713	14,613.7	1.01	5.38	5.34	711	3.77	48.65	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Supplemental oxygen											
Female	204,851		206,109	15,865.8	1.01	5.34	5.30	1,960	9.51	123.54	
Male	184,124		185,329	14,302.1	1.01	5.38	5.34	1,515	8.17	105.93	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Mechanical ventilation											
Female	208,817		210,120	16,273.4	1.01	5.33	5.30	106	0.50	6.51	
Male	187,489		188,739	14,637.2	1.01	5.38	5.34	110	0.58	7.52	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Critical Care											
Female	208,721		210,023	16,208.1	1.01	5.33	5.30	1,223	5.82	75.46	
Male	187,382		188,632	14,577.9	1.01	5.38	5.34	1,086	5.76	74.50	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
ECMO											
Female	208,827		210,130	16,279.4	1.01	5.33	5.30	0	0.00	0.00	
Male	187,492		188,742	14,642.6	1.01	5.38	5.34	5	0.03	0.34	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
Death											
Female	208,827		210,130	16,277.5	1.01	5.33	5.30	75	0.36	4.61	
Male	187,492		188,742	14,641.9	1.01	5.38	5.34	53	0.28	3.62	
Other	10		10	0.8	1.00	5.50	5.50	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, 2014 and June 30, 2015 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	208,729		210,031	16,179.7	1.01	5.33	5.30	1,850	8.81	114.34	
Male	187,411		188,660	14,569.2	1.01	5.38	5.34	1,300	6.89	89.23	
Other	10		10	0.8	1.00	5.50	5.50	0	0.00	0.00	
P and I - Treated After Day of Diagnosis											
Hospitalization											
Female	12,884		12,890	949.1	1.00	5.26	5.24	298	23.12	313.98	
Male	10,702		10,705	793.5	1.00	5.34	5.33	197	18.40	248.27	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
BiPAP											
Female	13,068		13,074	976.3	1.00	5.25	5.24	26	1.99	26.63	
Male	10,920		10,923	818.0	1.00	5.33	5.32	48	4.39	58.68	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	12,132		12,137	897.8	1.00	5.27	5.25	174	14.34	193.81	
Male	10,200		10,202	759.4	1.00	5.34	5.33	128	12.55	168.55	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Mechanical ventilation											
Female	13,071		13,077	976.4	1.00	5.25	5.24	19	1.45	19.46	
Male	10,904		10,907	817.5	1.00	5.33	5.32	21	1.93	25.69	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	12,835		12,841	950.7	1.00	5.26	5.25	185	14.41	194.59	
Male	10,684		10,687	794.0	1.00	5.34	5.33	154	14.41	193.95	
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, 2014 and June 30, 2015 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	13,072		13,078	977.4	1.00	5.25	5.24	0	0.00	0.00	
Male	10,921		10,924	819.9	1.00	5.33	5.32	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	13,070		13,076	976.9	1.00	5.25	5.24	27	2.06	27.64	
Male	10,921		10,924	819.3	1.00	5.33	5.32	19	1.74	23.19	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Discharge from hospital alive											
Female	12,908		12,914	952.0	1.00	5.26	5.24	270	20.91	283.61	
Male	10,721		10,724	796.2	1.00	5.34	5.33	175	16.32	219.79	
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	16,104		16,112	1,172.2	1.00	5.21	5.20	423	26.25	360.86	
Male	13,356		13,365	976.5	1.00	5.29	5.28	286	21.40	292.88	
Other	2		2	0.1	1.00	4.50	4.50	0	0.00	0.00	
BiPAP											
Female	18,492		18,503	1,356.2	1.00	5.00	4.99	57	3.08	42.03	
Male	15,580		15,593	1,144.6	1.00	5.05	5.04	85	5.45	74.26	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Supplemental oxygen											
Female	16,863		16,871	1,223.1	1.00	5.03	5.02	309	18.32	252.64	
Male	14,322		14,330	1,044.3	1.00	5.08	5.07	247	17.24	236.52	
Other	4		4	0.3	1.00	3.50	3.50	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, 2014 and June 30, 2015 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	18,440		18,451	1,353.3	1.00	5.01	4.99	36	1.95	26.60	
Male	15,506		15,519	1,140.8	1.00	5.06	5.05	37	2.38	32.43	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Critical Care											
Female	16,526		16,534	1,207.4	1.00	5.15	5.14	293	17.72	242.67	
Male	13,713		13,723	1,004.1	1.00	5.23	5.22	235	17.12	234.04	
Other	2		2	0.1	1.00	4.50	4.50	0	0.00	0.00	
ECMO											
Female	18,504		18,515	1,359.2	1.00	5.00	4.99	0	0.00	0.00	
Male	15,592		15,605	1,148.6	1.00	5.05	5.04	0	0.00	0.00	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Death											
Female	18,502		18,513	1,357.8	1.00	5.00	4.99	60	3.24	44.19	
Male	15,592		15,605	1,147.8	1.00	5.05	5.04	31	1.99	27.01	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Discharge from hospital alive											
Female	16,344		16,352	1,189.9	1.00	5.19	5.18	395	24.16	331.96	
Male	13,570		13,579	992.5	1.00	5.26	5.25	270	19.88	272.04	
Other	2		2	0.1	1.00	4.50	4.50	0	0.00	0.00	
P and I - NOT Treated 0-5 Days After Diagnosis											
Hospitalization											
Female	452,673		506,646	31,552.0	0.00	0.00	-	17,256	34.06	546.91	
Male	405,254		450,054	27,937.5	0.00	0.00	-	17,228	38.28	616.66	
Other	54		59	3.5	0.00	0.00	-	1	16.95	285.71	

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, 2014 and June 30, 2015 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	516,341		589,437	37,181.4	0.00	0.00	-	2,915	4.95	78.40	
Male	469,164		533,152	33,526.1	0.00	0.00	-	3,981	7.47	118.74	
Other	73		90	5.4	0.00	0.00	-	1	11.11	185.19	
Supplemental oxygen											
Female	472,523		536,252	33,438.2	0.00	0.00	-	12,892	24.04	385.55	
Male	431,076		487,108	30,342.7	0.00	0.00	-	10,895	22.37	359.06	
Other	64		78	4.5	0.00	0.00	-	5	64.10	1,111.11	
Mechanical ventilation											
Female	508,703		579,167	36,568.1	0.00	0.00	-	3,327	5.74	90.98	
Male	460,591		522,061	32,888.1	0.00	0.00	-	3,823	7.32	116.24	
Other	71		85	5.1	0.00	0.00	-	1	11.76	196.08	
Critical Care											
Female	453,350		508,357	31,813.6	0.00	0.00	-	13,617	26.79	428.02	
Male	402,987		448,617	28,000.8	0.00	0.00	-	13,917	31.02	497.02	
Other	47		52	3.2	0.00	0.00	-	0	0.00	0.00	
ECMO											
Female	516,852		590,388	37,333.6	0.00	0.00	-	11	0.02	0.29	
Male	469,838		534,429	33,729.3	0.00	0.00	-	23	0.04	0.68	
Other	73		90	5.4	0.00	0.00	-	0	0.00	0.00	
Death											
Female	513,552		586,572	36,942.2	0.00	0.00	-	9,659	16.47	261.46	
Male	466,143		530,097	33,265.3	0.00	0.00	-	12,055	22.74	362.39	
Other	73		90	5.4	0.00	0.00	-	1	11.11	185.19	

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, 2014 and June 30, 2015 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 1,000 New Diagnoses Outcome per 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	462,765		518,893	32,304.1	0.00	0.00	-	15,664	30.19	484.89	
Male	415,849		462,862	28,716.8	0.00	0.00	-	15,523	33.54	540.55	
Other	55		60	3.6	0.00	0.00	-	1	16.67	277.78	
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis											
Hospitalization											
Female	82,394										
Male	82,696										
Other	32										
BiPAP											
Female	881										
Male	1,185										
Other	0										
Supplemental oxygen											
Female	54,971										
Male	48,035										
Other	11										
Mechanical ventilation											
Female	11,326										
Male	12,708										
Other	4										
Critical Care											
Female	79,990										
Male	83,219										
Other	38										

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, 2014 and June 30, 2015 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	24										
Male	56										
Other	0										
Death											
Female	4,482										
Male	5,166										
Other	1										
Discharge from hospital alive											
Female	70,725										
Male	70,559										
Other	31										
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis											
Hospitalization											
Female	114										
Male	84										
Other	0										
BiPAP											
Female	12										
Male	29										
Other	0										
Supplemental oxygen											
Female	4,022										
Male	3,413										
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, 2014 and June 30, 2015 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										
Male	3										
Other	0										
Critical Care											
Female	107										
Male	110										
Other	0										
ECMO											
Female	0										
Male	0										
Other	0										
Death											
Female	0										
Male	0										
Other	0										
Discharge from hospital alive											
Female	99										
Male	82										
Other	0										
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis											
Hospitalization											
Female	46										
Male	60										
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, 2014 and June 30, 2015 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	5										
Male	5										
Other	0										
Supplemental oxygen											
Female	80										
Male	72										
Other	0										
Mechanical ventilation											
Female	1										
Male	9										
Other	0										
Critical Care											
Female	58										
Male	66										
Other	0										
ECMO											
Female	0										
Male	0										
Other	0										
Death											
Female	2										
Male	0										
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, 2014 and June 30, 2015 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 1,000 New Diagnoses Outcome per 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Discharge from hospital alive											
Female	34										
Male	47										
Other	0										
MAARI - Treated Day of Diagnosis											
Hospitalization											
Female	214,809		216,049	16,633.3	1.01	5.36	5.32	2,070	9.58	124.45	
Male	190,879		192,085	14,828.4	1.01	5.40	5.36	1,464	7.62	98.73	
Other	12		12	1.0	1.00	5.42	5.42	0	0.00	0.00	
BiPAP											
Female	214,889		216,130	16,724.3	1.01	5.36	5.32	457	2.11	27.33	
Male	190,925		192,130	14,879.4	1.01	5.40	5.36	733	3.82	49.26	
Other	12		12	1.0	1.00	5.42	5.42	0	0.00	0.00	
Supplemental oxygen											
Female	210,941		212,142	16,329.7	1.01	5.36	5.33	1,984	9.35	121.50	
Male	187,643		188,814	14,574.5	1.01	5.40	5.36	1,478	7.83	101.41	
Other	12		12	1.0	1.00	5.42	5.42	0	0.00	0.00	
Mechanical ventilation											
Female	214,903		216,144	16,738.9	1.01	5.36	5.32	96	0.44	5.74	
Male	190,954		192,160	14,903.9	1.01	5.40	5.36	117	0.61	7.85	
Other	12		12	1.0	1.00	5.42	5.42	0	0.00	0.00	
Critical Care											
Female	214,807		216,047	16,668.3	1.01	5.36	5.32	1,306	6.04	78.35	
Male	190,856		192,062	14,841.2	1.01	5.40	5.36	1,162	6.05	78.30	
Other	12		12	1.0	1.00	5.42	5.42	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, 2014 and June 30, 2015 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	214,905		216,146	16,743.6	1.01	5.36	5.32	0	0.00	0.00	
Male	190,959		192,165	14,909.8	1.01	5.40	5.36	5	0.03	0.34	
Other	12		12	1.0	1.00	5.42	5.42	0	0.00	0.00	
Death											
Female	214,905		216,146	16,742.2	1.01	5.36	5.32	60	0.28	3.58	
Male	190,959		192,165	14,908.9	1.01	5.40	5.36	49	0.25	3.29	
Other	12		12	1.0	1.00	5.42	5.42	0	0.00	0.00	
Discharge from hospital alive											
Female	214,820		216,060	16,638.9	1.01	5.36	5.32	1,966	9.10	118.16	
Male	190,882		192,088	14,833.8	1.01	5.40	5.36	1,355	7.05	91.35	
Other	12		12	1.0	1.00	5.42	5.42	0	0.00	0.00	
MAARI - Treated After Day of Diagnosis											
Hospitalization											
Female	16,205		16,211	1,197.2	1.00	5.33	5.32	340	20.97	284.00	
Male	13,131		13,134	973.4	1.00	5.39	5.38	224	17.05	230.12	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
BiPAP											
Female	16,381		16,387	1,225.5	1.00	5.32	5.31	36	2.20	29.38	
Male	13,323		13,326	997.4	1.00	5.38	5.37	64	4.80	64.17	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Supplemental oxygen											
Female	15,393		15,398	1,141.4	1.00	5.33	5.32	218	14.16	190.99	
Male	12,591		12,593	937.0	1.00	5.39	5.38	158	12.55	168.62	
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, 2014 and June 30, 2015 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	16,381		16,387	1,225.9	1.00	5.32	5.31	22	1.34	17.95	
Male	13,309		13,312	997.5	1.00	5.38	5.37	21	1.58	21.05	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Critical Care											
Female	16,140		16,146	1,198.5	1.00	5.33	5.32	215	13.32	179.39	
Male	13,103		13,106	973.7	1.00	5.38	5.37	173	13.20	177.67	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
ECMO											
Female	16,382		16,388	1,226.9	1.00	5.32	5.31	0	0.00	0.00	
Male	13,324		13,327	999.9	1.00	5.38	5.37	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Death											
Female	16,380		16,386	1,226.2	1.00	5.32	5.31	30	1.83	24.47	
Male	13,324		13,327	999.4	1.00	5.38	5.37	14	1.05	14.01	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
Discharge from hospital alive											
Female	16,229		16,235	1,200.5	1.00	5.33	5.32	304	18.72	253.23	
Male	13,150		13,153	976.0	1.00	5.39	5.38	205	15.59	210.04	
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	24,206		24,219	1,752.8	1.00	5.38	5.37	518	21.39	295.53	
Male	19,403		19,423	1,408.2	1.00	5.44	5.43	368	18.95	261.33	
Other	2		2	0.1	1.00	4.50	4.50	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, 2014 and June 30, 2015 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	26,248		26,263	1,916.5	1.00	5.24	5.23	75	2.86	39.13	
Male	21,270		21,295	1,554.5	1.00	5.28	5.27	118	5.54	75.91	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Supplemental oxygen											
Female	24,394		24,406	1,764.5	1.00	5.27	5.26	390	15.98	221.03	
Male	19,916		19,933	1,444.9	1.00	5.32	5.30	308	15.45	213.16	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Mechanical ventilation											
Female	26,212		26,227	1,915.4	1.00	5.25	5.24	39	1.49	20.36	
Male	21,222		21,247	1,553.1	1.00	5.29	5.27	43	2.02	27.69	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Critical Care											
Female	24,513		24,525	1,781.5	1.00	5.35	5.34	350	14.27	196.46	
Male	19,642		19,662	1,429.1	1.00	5.41	5.39	282	14.34	197.33	
Other	2		2	0.1	1.00	4.50	4.50	0	0.00	0.00	
ECMO											
Female	26,259		26,274	1,920.2	1.00	5.24	5.23	0	0.00	0.00	
Male	21,285		21,310	1,559.8	1.00	5.28	5.27	0	0.00	0.00	
Other	4		4	0.3	1.00	3.50	3.50	0	0.00	0.00	
Death											
Female	26,255		26,270	1,918.6	1.00	5.24	5.23	56	2.13	29.19	
Male	21,285		21,310	1,559.0	1.00	5.28	5.27	27	1.27	17.32	
Other	4		4	0.3	1.00	3.50	3.50	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, 2014 and June 30, 2015 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	24,430		24,443	1,770.1	1.00	5.36	5.35	477	19.51	269.48	
Male	19,600		19,620	1,423.0	1.00	5.42	5.41	353	17.99	248.07	
Other	2		2	0.1	1.00	4.50	4.50	0	0.00	0.00	
MAARI - NOT Treated 0-5 Days After Diagnosis											
Hospitalization											
Female	3,875,561		4,840,620	307,120.7	0.00	0.00	-	33,852	6.99	110.22	
Male	2,899,602		3,628,627	230,451.9	0.00	0.00	-	21,204	5.84	92.01	
Other	228		271	17.1	0.00	0.00	-	1	3.69	58.48	
BiPAP											
Female	3,895,430		4,867,711	309,693.0	0.00	0.00	-	9,037	1.86	29.18	
Male	2,914,533		3,648,505	232,085.4	0.00	0.00	-	11,110	3.05	47.87	
Other	231		274	17.2	0.00	0.00	-	1	3.65	58.14	
Supplemental oxygen											
Female	3,821,318		4,757,171	301,874.8	0.00	0.00	-	28,432	5.98	94.18	
Male	2,859,802		3,564,147	226,310.9	0.00	0.00	-	21,179	5.94	93.58	
Other	225		265	16.6	0.00	0.00	-	2	7.55	120.48	
Mechanical ventilation											
Female	3,895,693		4,868,405	309,973.1	0.00	0.00	-	1,723	0.35	5.56	
Male	2,915,526		3,650,010	232,488.2	0.00	0.00	-	1,590	0.44	6.84	
Other	231		274	17.3	0.00	0.00	-	1	3.65	57.80	
Critical Care											
Female	3,878,213		4,844,704	307,792.9	0.00	0.00	-	21,454	4.43	69.70	
Male	2,900,383		3,630,275	230,745.1	0.00	0.00	-	15,985	4.40	69.28	
Other	227		270	17.0	0.00	0.00	-	1	3.70	58.82	

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, 2014 and June 30, 2015 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	3,897,114		4,870,286	310,143.0	0.00	0.00	-	5	0.00	0.02	
Male	2,916,899		3,651,772	232,644.7	0.00	0.00	-	8	0.00	0.03	
Other	231		274	17.3	0.00	0.00	-	0	0.00	0.00	
Death											
Female	3,896,740		4,869,841	310,083.7	0.00	0.00	-	1,861	0.38	6.00	
Male	2,916,502		3,651,317	232,585.9	0.00	0.00	-	1,841	0.50	7.92	
Other	231		274	17.3	0.00	0.00	-	0	0.00	0.00	
Discharge from hospital alive											
Female	3,877,696		4,843,442	307,373.0	0.00	0.00	-	31,434	6.49	102.27	
Male	2,901,345		3,630,794	230,643.3	0.00	0.00	-	19,388	5.34	84.06	
Other	230		273	17.2	0.00	0.00	-	1	3.66	58.14	
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis											
Hospitalization											
Female	31,564										
Male	24,982										
Other	5										
BiPAP											
Female	2,539										
Male	3,218										
Other	0										
Supplemental oxygen											
Female	112,826										
Male	87,016										
Other	9										

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, 2014 and June 30, 2015 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	1,963										
Male	1,858										
Other	0										
Critical Care											
Female	27,177										
Male	23,060										
Other	6										
ECMO											
Female	10										
Male	8										
Other	0										
Death											
Female	541										
Male	558										
Other	0										
Discharge from hospital alive											
Female	28,545										
Male	22,604										
Other	3										
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis											
Hospitalization											
Female	97										
Male	80										
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, 2014 and June 30, 2015 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	16										
Male	35										
Other	0										
Supplemental oxygen											
Female	4,006										
Male	3,353										
Other	0										
Mechanical ventilation											
Female	2										
Male	5										
Other	0										
Critical Care											
Female	99										
Male	103										
Other	0										
ECMO											
Female	0										
Male	0										
Other	0										
Death											
Female	0										
Male	0										
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, 2014 and June 30, 2015 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	86										
Male	77										
Other	0										
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis											
Hospitalization											
Female	50										
Male	58										
Other	0										
BiPAP											
Female	5										
Male	3										
Other	0										
Supplemental oxygen											
Female	221										
Male	164										
Other	0										
Mechanical ventilation											
Female	1										
Male	9										
Other	0										
Critical Care											
Female	62										
Male	66										
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, 2014 and June 30, 2015 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	4										
Male	0										
Other	0										
Discharge from hospital alive											
Female	36										
Male	42										
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, 2014 and June 30, 2015 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	76,254	2,419,544	78,508	0.0	0.60
5-17	218,639	7,389,958	222,861	0.0	0.62
18-49	253,364	21,556,411	256,838	0.0	0.59
50-64	104,073	10,566,155	105,777	0.0	0.58
65+	79,140	7,532,971	81,248	0.0	0.51
Treated Day of Diagnosis					
6 Months - 4	41,940		42,465	3,302.6	1.01
5-17	126,401		127,538	9,912.1	1.01
18-49	140,056		140,640	10,889.5	1.00
50-64	55,631		55,834	4,328.9	1.00
65+	31,905		31,978	2,457.0	1.00
Treated Day After Diagnosis					
6 Months - 4	2,862		2,864	215.8	1.00
5-17	6,584		6,587	495.7	1.01
18-49	7,338		7,342	550.6	1.00
50-64	2,966		2,966	221.7	1.00
65+	3,951		3,951	291.8	1.00
Treated 1-5 Days After Diagnosis					
6 Months - 4	3,367		3,369	251.6	1.00
5-17	7,815		7,821	583.2	1.01
18-49	9,000		9,005	667.6	1.00
50-64	4,318		4,318	317.4	1.00
65+	8,283		8,288	595.5	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, 2014 and June 30, 2015 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	3.53	5.87				1,623,263.9
5-17	3.45	5.56				5,652,164.6
18-49	2.99	5.06				15,902,929.8
50-64	2.92	5.04				8,303,719.5
65+	2.51	4.93				6,543,742.7
Treated Day of Diagnosis						
6 Months - 4	5.96	5.88				
5-17	5.63	5.57				
18-49	5.09	5.07				
50-64	5.09	5.07				
65+	5.10	5.09				
Treated Day After Diagnosis						
6 Months - 4	5.81	5.80				
5-17	5.56	5.53				
18-49	5.08	5.07				
50-64	5.05	5.05				
65+	4.99	4.99				
Treated 1-5 Days After Diagnosis						
6 Months - 4	5.79	5.78				
5-17	5.54	5.50				
18-49	5.03	5.02				
50-64	4.78	4.78				
65+	4.35	4.34				

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, 2014 and June 30, 2015 by Age Group

Age Group (Years)	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Not Treated 0-5 Days After Diagnosis					
6 Months - 4	31,357		32,286	2,080.3	0.00
5-17	85,505		86,858	5,583.2	0.00
18-49	104,151		105,625	6,793.7	0.00
50-64	44,034		44,944	2,899.0	0.00
65+	38,674		40,101	2,557.6	0.00
P and I					
Total					
6 Months - 4	136,421	2,419,397	146,584	0.0	0.34
5-17	306,174	7,389,812	318,771	0.0	0.44
18-49	361,249	21,556,082	378,244	0.0	0.42
50-64	234,034	10,565,594	264,308	0.0	0.26
65+	382,535	7,531,411	470,061	0.0	0.11
Treated Day of Diagnosis					
6 Months - 4	41,784		42,303	3,289.9	1.01
5-17	126,252		127,380	9,899.7	1.01
18-49	140,331		140,921	10,911.3	1.00
50-64	55,848		56,052	4,346.0	1.00
65+	32,154		32,226	2,476.1	1.00
Treated Day After Diagnosis					
6 Months - 4	2,878		2,880	216.9	1.00
5-17	6,611		6,614	497.8	1.01
18-49	7,410		7,414	556.0	1.00
50-64	3,041		3,041	227.4	1.00
65+	4,054		4,054	299.3	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, 2014 and June 30, 2015 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 0-5 Days After 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	1.97	5.87				1,617,143.7
5-17	2.46	5.56				5,643,596.3
18-49	2.11	5.06				15,891,392.1
50-64	1.31	5.04				8,287,508.0
65+	0.53	4.93				6,502,027.8
Treated Day of Diagnosis						
6 Months - 4	5.96	5.88				
5-17	5.63	5.57				
18-49	5.09	5.07				
50-64	5.09	5.07				
65+	5.11	5.09				
Treated Day After Diagnosis						
6 Months - 4	5.81	5.80				
5-17	5.57	5.53				
18-49	5.08	5.08				
50-64	5.05	5.05				
65+	5.01	5.01				

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, 2014 and June 30, 2015 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	3,433		3,436	256.4	1.00
5-17	7,902		7,908	589.4	1.01
18-49	9,207		9,214	682.5	1.00
50-64	4,572		4,574	335.5	1.00
65+	8,986		8,992	644.3	1.00
Not Treated 0-5 Days After Diagnosis					
6 Months - 4	92,609		99,588	6,383.1	0.00
5-17	174,004		181,422	11,612.1	0.00
18-49	211,074		224,303	14,300.1	0.00
50-64	172,531		199,912	12,643.0	0.00
65+	337,791		419,766	26,136.0	0.00
MAARI					
Total					
6 Months - 4	912,505	2,415,957	1,414,476	0.0	0.05
5-17	1,803,789	7,387,296	2,400,453	0.0	0.08
18-49	2,591,187	21,553,064	3,031,635	0.0	0.06
50-64	1,099,917	10,565,080	1,265,612	0.0	0.06
65+	852,009	7,532,431	991,907	0.0	0.05
Treated Day of Diagnosis					
6 Months - 4	37,566		37,948	2,950.5	1.01
5-17	122,253		123,270	9,581.0	1.01
18-49	150,375		151,035	11,695.2	1.00
50-64	60,831		61,067	4,735.5	1.00
65+	34,890		35,003	2,692.4	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, 2014 and June 30, 2015 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	5.80	5.79				
5-17	5.54	5.51				
18-49	5.04	5.03				
50-64	4.77	4.77				
65+	4.39	4.38				
Not Treated 0-5 Days After 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	0.28	5.93				1,501,556.8
5-17	0.42	5.60				5,464,101.9
18-49	0.33	5.12				15,666,786.9
50-64	0.31	5.09				8,204,895.4
65+	0.26	5.01				6,464,910.5
Treated Day of Diagnosis						
6 Months - 4	5.99	5.93				
5-17	5.66	5.60				
18-49	5.15	5.12				
50-64	5.14	5.11				
65+	5.15	5.13				

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, 2014 and June 30, 2015 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	3,155		3,156	237.7	1.00
5-17	8,671		8,675	653.3	1.00
18-49	9,585		9,588	719.2	1.00
50-64	3,788		3,789	282.9	1.00
65+	4,508		4,508	333.7	1.00
Treated 1-5 Days After Diagnosis					
6 Months - 4	4,866		4,872	357.8	1.00
5-17	12,729		12,741	939.8	1.00
18-49	14,029		14,040	1,031.1	1.00
50-64	6,239		6,240	454.7	1.00
65+	9,688		9,695	696.9	1.00
Not Treated 0-5 Days After Diagnosis					
6 Months - 4	883,315		1,350,947	85,991.4	0.00
5-17	1,702,493		2,238,115	143,105.9	0.00
18-49	2,426,422		2,820,066	179,124.7	0.00
50-64	1,030,125		1,179,907	75,111.9	0.00
65+	804,431		933,315	59,472.7	0.00
ILI - Treated Day of Diagnosis					
Hospitalization					
6 Months - 4	41,935		42,460	3,290.0	1.01
5-17	126,390		127,526	9,899.1	1.01
18-49	140,038		140,622	10,843.9	1.00
50-64	55,602		55,805	4,293.4	1.00
65+	31,804		31,876	2,384.8	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, 2014 and June 30, 2015 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	5.86	5.86				
5-17	5.61	5.59				
18-49	5.16	5.15				
50-64	5.11	5.10				
65+	5.08	5.07				
Treated 1-5 Days After Diagnosis						
6 Months - 4	6.01	6.00				
5-17	5.69	5.66				
18-49	5.20	5.19				
50-64	4.97	4.97				
65+	4.60	4.59				
Not Treated 0-5 Days After 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	5.96	5.88	233	5.49	70.82	
5-17	5.63	5.57	255	2.00	25.76	
18-49	5.09	5.07	949	6.75	87.51	
50-64	5.09	5.07	704	12.62	163.97	
65+	5.10	5.09	1,172	36.77	491.45	

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, 2014 and June 30, 2015 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	41,940		42,465	3,302.5	1.01
5-17	126,399		127,536	9,911.7	1.01
18-49	140,041		140,624	10,873.9	1.00
50-64	55,613		55,816	4,309.3	1.00
65+	31,900		31,973	2,445.6	1.00
Supplemental oxygen					
6 Months - 4	41,225		41,720	3,218.8	1.01
5-17	125,012		126,124	9,773.3	1.01
18-49	137,903		138,470	10,668.8	1.00
50-64	54,151		54,350	4,178.6	1.00
65+	30,376		30,440	2,303.5	1.00
Mechanical ventilation					
6 Months - 4	41,939		42,464	3,301.9	1.01
5-17	126,401		127,538	9,911.6	1.01
18-49	140,055		140,639	10,887.4	1.00
50-64	55,630		55,833	4,326.4	1.00
65+	31,900		31,973	2,452.2	1.00
Critical Care					
6 Months - 4	41,925		42,450	3,295.3	1.01
5-17	126,390		127,527	9,903.8	1.01
18-49	140,027		140,610	10,859.8	1.00
50-64	55,582		55,785	4,300.5	1.00
65+	31,819		31,892	2,397.5	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, 2014 and June 30, 2015 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	5.96	5.88	4	0.09	1.21	
5-17	5.63	5.57	7	0.05	0.71	
18-49	5.09	5.07	379	2.70	34.85	
50-64	5.09	5.07	452	8.10	104.89	
65+	5.10	5.09	300	9.38	122.67	
Supplemental oxygen						
6 Months - 4	5.95	5.88	637	15.27	197.90	
5-17	5.63	5.57	592	4.69	60.57	
18-49	5.09	5.07	939	6.78	88.01	
50-64	5.09	5.07	654	12.03	156.51	
65+	5.10	5.09	644	21.16	279.57	
Mechanical ventilation						
6 Months - 4	5.96	5.88	10	0.24	3.03	
5-17	5.63	5.57	14	0.11	1.41	
18-49	5.09	5.07	37	0.26	3.40	
50-64	5.09	5.07	53	0.95	12.25	
65+	5.10	5.09	92	2.88	37.52	
Critical Care						
6 Months - 4	5.96	5.88	117	2.76	35.51	
5-17	5.63	5.57	159	1.25	16.05	
18-49	5.09	5.07	534	3.80	49.17	
50-64	5.09	5.07	515	9.23	119.75	
65+	5.10	5.09	967	30.32	403.34	

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, 2014 and June 30, 2015 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	41,940		42,465	3,302.6	1.01
5-17	126,401		127,538	9,912.1	1.01
18-49	140,056		140,640	10,889.4	1.00
50-64	55,631		55,834	4,328.9	1.00
65+	31,905		31,978	2,456.9	1.00
Death					
6 Months - 4	41,940		42,465	3,302.6	1.01
5-17	126,401		127,538	9,912.1	1.01
18-49	140,056		140,640	10,889.1	1.00
50-64	55,631		55,834	4,328.7	1.00
65+	31,905		31,978	2,455.2	1.00
Discharge from hospital alive					
6 Months - 4	41,935		42,460	3,290.5	1.01
5-17	126,390		127,526	9,899.4	1.01
18-49	140,039		140,623	10,845.4	1.00
50-64	55,602		55,805	4,294.6	1.00
65+	31,816		31,888	2,391.3	1.00
ILI - Treated Day After Diagnosis					
Hospitalization					
6 Months - 4	2,832		2,834	212.5	1.00
5-17	6,552		6,555	492.5	1.01
18-49	7,282		7,286	539.7	1.00
50-64	2,918		2,918	214.5	1.00
65+	3,746		3,746	265.0	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, 2014 and June 30, 2015 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
Extracorporeal membrane oxygenation (ECMO)						
6 Months - 4	5.96	5.88	0	0.00	0.00	
5-17	5.63	5.57	0	0.00	0.00	
18-49	5.09	5.07	2	0.01	0.18	
50-64	5.09	5.07	1	0.02	0.23	
65+	5.10	5.09	2	0.06	0.81	
Death						
6 Months - 4	5.96	5.88	3	0.07	0.91	
5-17	5.63	5.57	2	0.02	0.20	
18-49	5.09	5.07	14	0.10	1.29	
50-64	5.09	5.07	19	0.34	4.39	
65+	5.10	5.09	74	2.31	30.14	
Discharge from hospital alive						
6 Months - 4	5.96	5.88	223	5.25	67.77	
5-17	5.63	5.57	247	1.94	24.95	
18-49	5.09	5.07	915	6.51	84.37	
50-64	5.09	5.07	668	11.97	155.54	
65+	5.10	5.09	1,067	33.46	446.20	
ILI - Treated Day After Diagnosis						
Hospitalization						
6 Months - 4	5.80	5.79	21	7.41	98.82	
5-17	5.57	5.53	19	2.90	38.58	
18-49	5.08	5.07	140	19.21	259.40	
50-64	5.06	5.06	78	26.73	363.64	
65+	5.02	5.01	225	60.06	849.06	

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, 2014 and June 30, 2015 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	2,862		2,864	215.8	1.00
5-17	6,584		6,587	495.7	1.01
18-49	7,336		7,340	549.7	1.00
50-64	2,963		2,963	220.6	1.00
65+	3,951		3,951	290.7	1.00
Supplemental oxygen					
6 Months - 4	2,729		2,731	204.0	1.00
5-17	6,387		6,389	479.5	1.01
18-49	6,962		6,965	518.5	1.00
50-64	2,700		2,700	198.4	1.00
65+	3,281		3,281	236.2	1.00
Mechanical ventilation					
6 Months - 4	2,862		2,864	215.7	1.00
5-17	6,584		6,587	495.7	1.01
18-49	7,334		7,338	550.1	1.00
50-64	2,966		2,966	221.2	1.00
65+	3,939		3,939	289.8	1.00
Critical Care					
6 Months - 4	2,831		2,833	212.5	1.00
5-17	6,560		6,563	493.7	1.01
18-49	7,274		7,278	542.0	1.00
50-64	2,905		2,905	213.9	1.00
65+	3,664		3,664	261.7	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, 2014 and June 30, 2015 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	5.80	0	0.00	0.00	
5-17	5.56	5.53	0	0.00	0.00	
18-49	5.08	5.07	20	2.72	36.38	
50-64	5.05	5.05	27	9.11	122.39	
65+	4.99	4.99	29	7.34	99.76	
Supplemental oxygen						
6 Months - 4	5.79	5.78	38	13.91	186.27	
5-17	5.56	5.53	32	5.01	66.74	
18-49	5.08	5.07	67	9.62	129.22	
50-64	5.06	5.06	54	20.00	272.18	
65+	5.01	5.01	113	34.44	478.41	
Mechanical ventilation						
6 Months - 4	5.81	5.80	1	0.35	4.64	
5-17	5.56	5.53	0	0.00	0.00	
18-49	5.08	5.07	4	0.55	7.27	
50-64	5.05	5.05	12	4.05	54.25	
65+	4.99	4.99	18	4.57	62.11	
Critical Care						
6 Months - 4	5.81	5.79	15	5.29	70.59	
5-17	5.57	5.53	5	0.76	10.13	
18-49	5.08	5.07	71	9.76	131.00	
50-64	5.06	5.06	67	23.06	313.23	
65+	5.01	5.00	172	46.94	657.24	

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, 2014 and June 30, 2015 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	2,862		2,864	215.8	1.00
5-17	6,584		6,587	495.7	1.01
18-49	7,338		7,342	550.6	1.00
50-64	2,966		2,966	221.7	1.00
65+	3,951		3,951	291.8	1.00
Death					
6 Months - 4	2,862		2,864	215.8	1.00
5-17	6,584		6,587	495.7	1.01
18-49	7,338		7,342	550.5	1.00
50-64	2,964		2,964	221.5	1.00
65+	3,951		3,951	291.0	1.00
Discharge from hospital alive					
6 Months - 4	2,834		2,836	212.7	1.00
5-17	6,554		6,557	492.8	1.01
18-49	7,284		7,288	540.2	1.00
50-64	2,922		2,922	215.2	1.00
65+	3,779		3,779	269.1	1.00
ILI - Treated 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	3,280		3,282	244.3	1.00
5-17	7,713		7,719	574.7	1.01
18-49	8,674		8,679	636.7	1.00
50-64	3,652		3,652	265.5	1.00
65+	5,521		5,523	384.9	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, 2014 and June 30, 2015 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	5.80	0	0.00	0.00	
5-17	5.56	5.53	0	0.00	0.00	
18-49	5.08	5.07	0	0.00	0.00	
50-64	5.05	5.05	0	0.00	0.00	
65+	4.99	4.99	0	0.00	0.00	
Death						
6 Months - 4	5.81	5.80	0	0.00	0.00	
5-17	5.56	5.53	0	0.00	0.00	
18-49	5.08	5.07	2	0.27	3.63	
50-64	5.05	5.05	4	1.35	18.06	
65+	4.99	4.99	34	8.61	116.84	
Discharge from hospital alive						
6 Months - 4	5.81	5.79	20	7.05	94.03	
5-17	5.57	5.53	17	2.59	34.50	
18-49	5.08	5.07	133	18.25	246.21	
50-64	5.06	5.06	70	23.96	325.28	
65+	5.01	5.01	194	51.34	720.92	
ILI - Treated 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	5.81	5.80	25	7.62	102.33	
5-17	5.55	5.52	25	3.24	43.50	
18-49	5.08	5.07	170	19.59	267.00	
50-64	5.01	5.00	110	30.12	414.31	
65+	4.76	4.76	345	62.47	896.34	

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, 2014 and June 30, 2015 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	3,367		3,369	251.6	1.00
5-17	7,814		7,820	583.1	1.01
18-49	8,995		9,000	666.2	1.00
50-64	4,313		4,313	315.7	1.00
65+	8,273		8,278	592.2	1.00
Supplemental oxygen					
6 Months - 4	3,197		3,199	237.0	1.00
5-17	7,569		7,573	563.0	1.01
18-49	8,516		8,520	626.8	1.00
50-64	3,858		3,858	278.7	1.00
65+	6,883		6,884	480.6	1.00
Mechanical ventilation					
6 Months - 4	3,367		3,369	251.5	1.00
5-17	7,809		7,815	582.7	1.01
18-49	8,994		8,999	667.0	1.00
50-64	4,297		4,297	315.2	1.00
65+	8,209		8,214	588.2	1.00
Critical Care					
6 Months - 4	3,295		3,297	245.4	1.00
5-17	7,741		7,747	577.2	1.01
18-49	8,724		8,729	643.6	1.00
50-64	3,755		3,755	273.0	1.00
65+	5,810		5,811	408.2	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, 2014 and June 30, 2015 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	5.78	0	0.00	0.00	
5-17	5.54	5.50	0	0.00	0.00	
18-49	5.03	5.02	27	3.00	40.53	
50-64	4.78	4.78	39	9.04	123.54	
65+	4.35	4.35	70	8.46	118.20	
Supplemental oxygen						
6 Months - 4	5.79	5.78	45	14.07	189.87	
5-17	5.54	5.51	42	5.55	74.60	
18-49	5.04	5.03	90	10.56	143.59	
50-64	4.80	4.80	88	22.81	315.75	
65+	4.35	4.35	269	39.08	559.72	
Mechanical ventilation						
6 Months - 4	5.79	5.78	2	0.59	7.95	
5-17	5.54	5.51	1	0.13	1.72	
18-49	5.03	5.02	4	0.44	6.00	
50-64	4.79	4.79	17	3.96	53.93	
65+	4.36	4.35	43	5.23	73.10	
Critical Care						
6 Months - 4	5.81	5.80	19	5.76	77.42	
5-17	5.55	5.52	12	1.55	20.79	
18-49	5.07	5.06	86	9.85	133.62	
50-64	4.96	4.96	99	26.36	362.64	
65+	4.64	4.64	283	48.70	693.29	

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, 2014 and June 30, 2015 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	3,367		3,369	251.6	1.00
5-17	7,815		7,821	583.2	1.01
18-49	9,000		9,005	667.6	1.00
50-64	4,318		4,318	317.4	1.00
65+	8,283		8,288	595.5	1.00
Death					
6 Months - 4	3,367		3,369	251.6	1.00
5-17	7,815		7,821	583.2	1.01
18-49	9,000		9,005	667.6	1.00
50-64	4,316		4,316	317.0	1.00
65+	8,283		8,288	593.8	1.00
Discharge from hospital alive					
6 Months - 4	3,285		3,287	244.7	1.00
5-17	7,719		7,725	575.3	1.01
18-49	8,699		8,704	638.8	1.00
50-64	3,693		3,693	268.7	1.00
65+	5,885		5,887	411.0	1.00
ILI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	31,158		32,079	2,064.0	0.00
5-17	85,288		86,630	5,563.4	0.00
18-49	103,405		104,866	6,724.1	0.00
50-64	42,677		43,535	2,788.5	0.00
65+	32,450		33,588	2,099.5	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, 2014 and June 30, 2015 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	5.78	0	0.00	0.00	
5-17	5.54	5.50	0	0.00	0.00	
18-49	5.03	5.02	0	0.00	0.00	
50-64	4.78	4.78	0	0.00	0.00	
65+	4.35	4.34	0	0.00	0.00	
Death						
6 Months - 4	5.79	5.78	1	0.30	3.97	
5-17	5.54	5.50	0	0.00	0.00	
18-49	5.03	5.02	2	0.22	3.00	
50-64	4.78	4.78	8	1.85	25.24	
65+	4.35	4.34	70	8.45	117.88	
Discharge from hospital alive						
6 Months - 4	5.81	5.80	23	7.00	93.99	
5-17	5.55	5.52	22	2.85	38.24	
18-49	5.07	5.07	165	18.96	258.30	
50-64	4.99	4.99	102	27.62	379.61	
65+	4.69	4.68	330	56.06	802.92	
ILI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	0.00	-	79	2.46	38.28	
5-17	0.00	-	139	1.60	24.98	
18-49	0.00	-	634	6.05	94.29	
50-64	0.00	-	527	12.11	188.99	
65+	0.00	-	1,317	39.21	627.29	

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, 2014 and June 30, 2015 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	31,355		32,284	2,080.1	0.00
5-17	85,505		86,857	5,583.0	0.00
18-49	104,095		105,565	6,781.9	0.00
50-64	43,931		44,835	2,881.5	0.00
65+	38,606		40,027	2,543.8	0.00
Supplemental oxygen					
6 Months - 4	30,404		31,273	2,007.3	0.00
5-17	84,068		85,368	5,480.2	0.00
18-49	101,312		102,701	6,586.1	0.00
50-64	41,974		42,834	2,746.0	0.00
65+	35,743		37,059	2,332.2	0.00
Mechanical ventilation					
6 Months - 4	31,341		32,269	2,079.1	0.00
5-17	85,490		86,843	5,582.1	0.00
18-49	104,086		105,556	6,788.5	0.00
50-64	43,846		44,752	2,885.2	0.00
65+	38,015		39,414	2,510.8	0.00
Critical Care					
6 Months - 4	31,223		32,143	2,069.6	0.00
5-17	85,337		86,682	5,569.3	0.00
18-49	103,466		104,923	6,736.3	0.00
50-64	42,647		43,507	2,792.3	0.00
65+	32,561		33,709	2,116.2	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, 2014 and June 30, 2015 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	-	1	0.03	0.48	
5-17	0.00	-	5	0.06	0.90	
18-49	0.00	-	242	2.29	35.68	
50-64	0.00	-	328	7.32	113.83	
65+	0.00	-	295	7.37	115.97	
Supplemental oxygen						
6 Months - 4	0.00	-	271	8.67	135.01	
5-17	0.00	-	204	2.39	37.22	
18-49	0.00	-	482	4.69	73.18	
50-64	0.00	-	411	9.60	149.67	
65+	0.00	-	789	21.29	338.31	
Mechanical ventilation						
6 Months - 4	0.00	-	2	0.06	0.96	
5-17	0.00	-	3	0.03	0.54	
18-49	0.00	-	25	0.24	3.68	
50-64	0.00	-	63	1.41	21.84	
65+	0.00	-	187	4.74	74.48	
Critical Care						
6 Months - 4	0.00	-	40	1.24	19.33	
5-17	0.00	-	68	0.78	12.21	
18-49	0.00	-	352	3.35	52.25	
50-64	0.00	-	417	9.58	149.34	
65+	0.00	-	1,094	32.45	516.96	

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, 2014 and June 30, 2015 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	31,357		32,286	2,080.3	0.00
5-17	85,505		86,858	5,583.2	0.00
18-49	104,147		105,620	6,793.4	0.00
50-64	44,034		44,944	2,899.0	0.00
65+	38,674		40,101	2,557.6	0.00
Death					
6 Months - 4	31,357		32,286	2,080.3	0.00
5-17	85,505		86,858	5,583.2	0.00
18-49	104,146		105,618	6,793.0	0.00
50-64	44,002		44,912	2,896.4	0.00
65+	38,402		39,823	2,531.0	0.00
Discharge from hospital alive					
6 Months - 4	31,168		32,089	2,064.9	0.00
5-17	85,296		86,638	5,564.0	0.00
18-49	103,447		104,908	6,727.6	0.00
50-64	42,802		43,662	2,797.1	0.00
65+	33,405		34,574	2,162.2	0.00
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	285		286		
5-17	325		326		
18-49	1,086		1,087		
50-64	2,076		2,083		
65+	9,340		9,380		

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, 2014 and June 30, 2015 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	-	1	0.01	0.15	
50-64	0.00	-	0	0.00	0.00	
65+	0.00	-	0	0.00	0.00	
Death						
6 Months - 4	0.00	-	0	0.00	0.00	
5-17	0.00	-	0	0.00	0.00	
18-49	0.00	-	14	0.13	2.06	
50-64	0.00	-	57	1.27	19.68	
65+	0.00	-	636	15.97	251.28	
Discharge from hospital alive						
6 Months - 4	0.00	-	73	2.27	35.35	
5-17	0.00	-	136	1.57	24.44	
18-49	0.00	-	608	5.80	90.37	
50-64	0.00	-	507	11.61	181.26	
65+	0.00	-	1,169	33.81	540.65	
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, 2014 and June 30, 2015 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		2		
5-17	1		1		
18-49	61		61		
50-64	112		115		
65+	87		87		
Supplemental oxygen					
6 Months - 4	1,169		1,181		
5-17	1,731		1,734		
18-49	3,400		3,415		
50-64	2,548		2,563		
65+	4,448		4,463		
Mechanical ventilation					
6 Months - 4	17		17		
5-17	20		21		
18-49	75		75		
50-64	214		214		
65+	774		777		
Critical Care					
6 Months - 4	205		207		
5-17	243		244		
18-49	978		979		
50-64	2,009		2,017		
65+	8,892		8,938		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	5		5		
50-64	0		0		
65+	0		0		
Death					
6 Months - 4	0		0		
5-17	0		0		
18-49	9		9		
50-64	42		42		
65+	324		324		
Discharge from hospital alive					
6 Months - 4	272		273		
5-17	313		314		
18-49	1,022		1,023		
50-64	1,911		1,918		
65+	7,970		7,997		
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
6 Months - 4	5		5		
5-17	12		12		
18-49	18		18		
50-64	29		29		
65+	102		102		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	2		2		
18-49	16		16		
50-64	18		18		
65+	5		5		
Supplemental oxygen					
6 Months - 4	743		745		
5-17	1,413		1,414		
18-49	2,169		2,171		
50-64	1,488		1,489		
65+	1,541		1,541		
Mechanical ventilation					
6 Months - 4	1		1		
5-17	0		0		
18-49	1		1		
50-64	1		1		
65+	5		5		
Critical Care					
6 Months - 4	15		15		
5-17	11		11		
18-49	30		30		
50-64	49		49		
65+	86		86		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	5		5		
5-17	12		12		
18-49	17		17		
50-64	29		29		
65+	90		90		
ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	10		10		
5-17	4		4		
18-49	12		12		
50-64	11		11		
65+	55		55		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	1		1		
18-49	5		5		
50-64	1		1		
65+	1		1		
Supplemental oxygen					
6 Months - 4	9		9		
5-17	16		16		
18-49	33		33		
50-64	28		28		
65+	43		43		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	2		2		
50-64	0		0		
65+	7		7		
Critical Care					
6 Months - 4	8		8		
5-17	6		6		
18-49	12		12		
50-64	14		14		
65+	82		82		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	2		2		
65+	0		0		
Discharge from hospital alive					
6 Months - 4	8		8		
5-17	2		2		
18-49	8		8		
50-64	7		7		
65+	42		42		
P and I - Treated Day of Diagnosis					
Hospitalization					
6 Months - 4	41,779		42,298	3,277.2	1.01
5-17	126,240		127,367	9,886.9	1.01
18-49	140,308		140,898	10,865.0	1.00
50-64	55,807		56,011	4,308.9	1.00
65+	32,039		32,110	2,401.5	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, 2014 and June 30, 2015 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	5.96	5.88	234	5.53	71.40	
5-17	5.63	5.57	251	1.97	25.39	
18-49	5.09	5.07	952	6.76	87.62	
50-64	5.09	5.07	712	12.71	165.24	
65+	5.11	5.09	1,195	37.22	497.61	

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, 2014 and June 30, 2015 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	41,784		42,303	3,289.8	1.01
5-17	126,250		127,378	9,899.3	1.01
18-49	140,316		140,905	10,895.7	1.00
50-64	55,830		56,034	4,326.5	1.00
65+	32,149		32,221	2,464.7	1.00
Supplemental oxygen					
6 Months - 4	41,066		41,554	3,205.9	1.01
5-17	124,862		125,965	9,761.1	1.01
18-49	138,154		138,727	10,688.6	1.00
50-64	54,339		54,537	4,192.8	1.00
65+	30,602		30,665	2,320.3	1.00
Mechanical ventilation					
6 Months - 4	41,784		42,303	3,289.2	1.01
5-17	126,252		127,380	9,899.2	1.01
18-49	140,328		140,918	10,909.0	1.00
50-64	55,847		56,051	4,343.4	1.00
65+	32,145		32,217	2,470.7	1.00
Critical Care					
6 Months - 4	41,769		42,288	3,282.6	1.01
5-17	126,242		127,370	9,891.8	1.01
18-49	140,298		140,887	10,881.1	1.00
50-64	55,787		55,991	4,316.4	1.00
65+	32,057		32,129	2,414.9	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, 2014 and June 30, 2015 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	5.96	5.88	4	0.09	1.22	
5-17	5.63	5.57	6	0.05	0.61	
18-49	5.09	5.07	380	2.70	34.88	
50-64	5.09	5.07	454	8.10	104.93	
65+	5.11	5.09	300	9.31	121.72	
Supplemental oxygen						
6 Months - 4	5.96	5.88	633	15.23	197.45	
5-17	5.63	5.57	589	4.68	60.34	
18-49	5.09	5.07	943	6.80	88.22	
50-64	5.09	5.07	657	12.05	156.70	
65+	5.11	5.10	653	21.29	281.43	
Mechanical ventilation						
6 Months - 4	5.96	5.88	10	0.24	3.04	
5-17	5.63	5.57	14	0.11	1.41	
18-49	5.09	5.07	38	0.27	3.48	
50-64	5.09	5.07	56	1.00	12.89	
65+	5.11	5.09	98	3.04	39.66	
Critical Care						
6 Months - 4	5.96	5.88	117	2.77	35.64	
5-17	5.63	5.57	155	1.22	15.67	
18-49	5.09	5.07	536	3.80	49.26	
50-64	5.09	5.07	517	9.23	119.78	
65+	5.11	5.09	984	30.63	407.47	

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, 2014 and June 30, 2015 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	41,784		42,303	3,289.9	1.01
5-17	126,252		127,380	9,899.7	1.01
18-49	140,331		140,921	10,911.2	1.00
50-64	55,848		56,052	4,346.0	1.00
65+	32,154		32,226	2,476.0	1.00
Death					
6 Months - 4	41,784		42,303	3,289.9	1.01
5-17	126,252		127,380	9,899.7	1.01
18-49	140,331		140,921	10,910.9	1.00
50-64	55,848		56,052	4,345.8	1.00
65+	32,154		32,226	2,473.9	1.00
Discharge from hospital alive					
6 Months - 4	41,779		42,298	3,277.6	1.01
5-17	126,240		127,367	9,887.2	1.01
18-49	140,309		140,899	10,866.5	1.00
50-64	55,807		56,011	4,310.1	1.00
65+	32,055		32,126	2,408.3	1.00
P and I - Treated After Day of Diagnosis					
Hospitalization					
6 Months - 4	2,848		2,850	213.6	1.00
5-17	6,580		6,583	494.6	1.01
18-49	7,352		7,356	545.0	1.00
50-64	2,984		2,984	219.5	1.00
65+	3,823		3,823	269.8	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, 2014 and June 30, 2015 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	5.96	5.88	0	0.00	0.00	
5-17	5.63	5.57	0	0.00	0.00	
18-49	5.09	5.07	2	0.01	0.18	
50-64	5.09	5.07	1	0.02	0.23	
65+	5.11	5.09	2	0.06	0.81	
Death						
6 Months - 4	5.96	5.88	3	0.07	0.91	
5-17	5.63	5.57	2	0.02	0.20	
18-49	5.09	5.07	15	0.11	1.37	
50-64	5.09	5.07	20	0.36	4.60	
65+	5.11	5.09	88	2.73	35.57	
Discharge from hospital alive						
6 Months - 4	5.96	5.88	224	5.30	68.34	
5-17	5.63	5.57	243	1.91	24.58	
18-49	5.09	5.07	918	6.52	84.48	
50-64	5.09	5.07	677	12.09	157.07	
65+	5.11	5.09	1,088	33.87	451.77	
P and I - Treated After Day of Diagnosis						
Hospitalization						
6 Months - 4	5.80	5.79	22	7.72	103.00	
5-17	5.57	5.54	20	3.04	40.44	
18-49	5.09	5.08	141	19.17	258.72	
50-64	5.06	5.05	73	24.46	332.57	
65+	5.04	5.03	239	62.52	885.84	

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, 2014 and June 30, 2015 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	2,878		2,880	216.9	1.00
5-17	6,611		6,614	497.8	1.01
18-49	7,408		7,412	555.1	1.00
50-64	3,038		3,038	226.2	1.00
65+	4,054		4,054	298.2	1.00
Supplemental oxygen					
6 Months - 4	2,746		2,748	205.2	1.00
5-17	6,404		6,406	480.9	1.01
18-49	7,022		7,025	523.0	1.00
50-64	2,769		2,769	203.6	1.00
65+	3,392		3,392	244.6	1.00
Mechanical ventilation					
6 Months - 4	2,878		2,880	216.9	1.00
5-17	6,611		6,614	497.8	1.01
18-49	7,406		7,410	555.5	1.00
50-64	3,041		3,041	226.9	1.00
65+	4,040		4,040	296.9	1.00
Critical Care					
6 Months - 4	2,847		2,849	213.7	1.00
5-17	6,587		6,590	495.7	1.01
18-49	7,345		7,349	547.4	1.00
50-64	2,979		2,979	219.5	1.00
65+	3,762		3,762	268.4	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, 2014 and June 30, 2015 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	5.80	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.08	5.08	20	2.70	36.03	
50-64	5.05	5.05	27	8.89	119.36	
65+	5.01	5.01	27	6.66	90.54	
Supplemental oxygen						
6 Months - 4	5.79	5.78	39	14.19	190.06	
5-17	5.57	5.53	29	4.53	60.30	
18-49	5.08	5.08	69	9.82	131.93	
50-64	5.06	5.05	55	19.86	270.14	
65+	5.03	5.03	110	32.43	449.71	
Mechanical ventilation						
6 Months - 4	5.81	5.80	1	0.35	4.61	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.08	5.08	5	0.67	9.00	
50-64	5.05	5.05	10	3.29	44.07	
65+	5.01	5.01	24	5.94	80.84	
Critical Care						
6 Months - 4	5.81	5.79	15	5.27	70.19	
5-17	5.57	5.54	6	0.91	12.10	
18-49	5.08	5.08	71	9.66	129.70	
50-64	5.06	5.05	65	21.82	296.13	
65+	5.03	5.03	182	48.38	678.09	

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, 2014 and June 30, 2015 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	2,878		2,880	216.9	1.00
5-17	6,611		6,614	497.8	1.01
18-49	7,410		7,414	556.0	1.00
50-64	3,041		3,041	227.4	1.00
65+	4,054		4,054	299.3	1.00
Death					
6 Months - 4	2,878		2,880	216.9	1.00
5-17	6,611		6,614	497.8	1.01
18-49	7,410		7,414	555.9	1.00
50-64	3,039		3,039	227.2	1.00
65+	4,054		4,054	298.4	1.00
Discharge from hospital alive					
6 Months - 4	2,850		2,852	213.8	1.00
5-17	6,582		6,585	494.9	1.01
18-49	7,354		7,358	545.5	1.00
50-64	2,988		2,988	220.2	1.00
65+	3,856		3,856	274.1	1.00
P and I - Treated 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	3,332		3,334	247.8	1.00
5-17	7,790		7,796	580.2	1.01
18-49	8,831		8,838	648.0	1.00
50-64	3,798		3,798	276.2	1.00
65+	5,711		5,713	396.7	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, 2014 and June 30, 2015 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	5.80	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.08	5.08	0	0.00	0.00	
50-64	5.05	5.05	0	0.00	0.00	
65+	5.01	5.01	0	0.00	0.00	
Death						
6 Months - 4	5.81	5.80	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.08	5.08	2	0.27	3.60	
50-64	5.05	5.05	4	1.32	17.61	
65+	5.01	5.01	40	9.87	134.05	
Discharge from hospital alive						
6 Months - 4	5.81	5.79	21	7.36	98.22	
5-17	5.57	5.54	18	2.73	36.37	
18-49	5.08	5.08	134	18.21	245.65	
50-64	5.06	5.05	65	21.75	295.19	
65+	5.04	5.03	207	53.68	755.20	
P and I - Treated 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	5.82	5.81	28	8.40	112.99	
5-17	5.56	5.53	26	3.34	44.81	
18-49	5.09	5.09	174	19.69	268.52	
50-64	5.02	5.01	108	28.44	391.02	
65+	4.87	4.87	373	65.29	940.26	

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, 2014 and June 30, 2015 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	3,433		3,436	256.4	1.00
5-17	7,901		7,907	589.3	1.01
18-49	9,202		9,209	681.1	1.00
50-64	4,567		4,569	333.8	1.00
65+	8,973		8,979	640.5	1.00
Supplemental oxygen					
6 Months - 4	3,251		3,254	240.8	1.00
5-17	7,631		7,635	567.5	1.01
18-49	8,688		8,694	639.1	1.00
50-64	4,087		4,088	294.8	1.00
65+	7,532		7,534	525.5	1.00
Mechanical ventilation					
6 Months - 4	3,432		3,435	256.1	1.00
5-17	7,896		7,902	588.9	1.01
18-49	9,200		9,207	681.8	1.00
50-64	4,541		4,543	332.8	1.00
65+	8,881		8,887	634.8	1.00
Critical Care					
6 Months - 4	3,352		3,355	249.5	1.00
5-17	7,824		7,830	583.1	1.01
18-49	8,901		8,908	656.2	1.00
50-64	3,928		3,929	285.5	1.00
65+	6,236		6,237	437.4	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, 2014 and June 30, 2015 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	5.80	5.79	0	0.00	0.00	
5-17	5.54	5.51	0	0.00	0.00	
18-49	5.04	5.03	27	2.93	39.64	
50-64	4.77	4.77	41	8.97	122.83	
65+	4.39	4.38	74	8.24	115.53	
Supplemental oxygen						
6 Months - 4	5.80	5.78	48	14.75	199.34	
5-17	5.54	5.51	41	5.37	72.25	
18-49	5.05	5.04	93	10.70	145.52	
50-64	4.79	4.79	92	22.50	312.08	
65+	4.40	4.39	282	37.43	536.63	
Mechanical ventilation						
6 Months - 4	5.80	5.79	2	0.58	7.81	
5-17	5.54	5.51	1	0.13	1.70	
18-49	5.04	5.03	5	0.54	7.33	
50-64	4.78	4.78	15	3.30	45.07	
65+	4.40	4.39	50	5.63	78.76	
Critical Care						
6 Months - 4	5.82	5.81	20	5.96	80.16	
5-17	5.55	5.52	13	1.66	22.29	
18-49	5.08	5.07	92	10.33	140.20	
50-64	4.96	4.95	101	25.71	353.77	
65+	4.70	4.69	302	48.42	690.44	

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, 2014 and June 30, 2015 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	3,433		3,436	256.4	1.00
5-17	7,902		7,908	589.4	1.01
18-49	9,207		9,214	682.5	1.00
50-64	4,572		4,574	335.5	1.00
65+	8,986		8,992	644.3	1.00
Death					
6 Months - 4	3,433		3,436	256.4	1.00
5-17	7,902		7,908	589.4	1.01
18-49	9,207		9,214	682.5	1.00
50-64	4,570		4,572	335.3	1.00
65+	8,986		8,992	642.4	1.00
Discharge from hospital alive					
6 Months - 4	3,337		3,339	248.2	1.00
5-17	7,796		7,802	580.8	1.01
18-49	8,854		8,861	649.9	1.00
50-64	3,839		3,839	279.5	1.00
65+	6,090		6,092	424.2	1.00
P and I - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	90,233		96,691	6,180.7	0.00
5-17	172,153		179,144	11,445.5	0.00
18-49	202,105		213,129	13,491.9	0.00
50-64	150,057		170,309	10,566.0	0.00
65+	244,379		297,486	17,809.0	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, 2014 and June 30, 2015 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	5.80	5.79	0	0.00	0.00	
5-17	5.54	5.51	0	0.00	0.00	
18-49	5.04	5.03	0	0.00	0.00	
50-64	4.77	4.77	0	0.00	0.00	
65+	4.39	4.38	0	0.00	0.00	
Death						
6 Months - 4	5.80	5.79	1	0.29	3.90	
5-17	5.54	5.51	0	0.00	0.00	
18-49	5.04	5.03	2	0.22	2.93	
50-64	4.77	4.77	6	1.31	17.89	
65+	4.39	4.38	82	9.12	127.65	
Discharge from hospital alive						
6 Months - 4	5.82	5.81	26	7.79	104.75	
5-17	5.56	5.53	23	2.95	39.60	
18-49	5.09	5.08	169	19.07	260.04	
50-64	5.00	4.99	96	25.01	343.47	
65+	4.79	4.78	351	57.62	827.44	
P and I - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	0.00	-	460	4.76	74.43	
5-17	0.00	-	565	3.15	49.36	
18-49	0.00	-	3,126	14.67	231.69	
50-64	0.00	-	6,836	40.14	646.98	
65+	0.00	-	23,498	78.99	1,319.45	

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, 2014 and June 30, 2015 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	92,596		99,566	6,380.6	0.00
5-17	173,988		181,380	11,606.3	0.00
18-49	210,892		224,008	14,252.1	0.00
50-64	172,061		199,122	12,517.7	0.00
65+	337,212		418,603	25,956.1	0.00
Supplemental oxygen					
6 Months - 4	81,347		86,662	5,512.5	0.00
5-17	161,088		167,218	10,657.6	0.00
18-49	196,063		207,731	13,162.6	0.00
50-64	157,242		180,994	11,284.9	0.00
65+	308,895		380,833	23,167.9	0.00
Mechanical ventilation					
6 Months - 4	92,470		99,391	6,369.0	0.00
5-17	173,877		181,239	11,598.7	0.00
18-49	209,908		222,761	14,193.1	0.00
50-64	168,749		194,556	12,273.5	0.00
65+	325,499		403,366	25,027.1	0.00
Critical Care					
6 Months - 4	91,196		97,842	6,262.0	0.00
5-17	172,808		179,932	11,504.9	0.00
18-49	202,300		213,456	13,541.9	0.00
50-64	149,076		169,502	10,570.5	0.00
65+	241,954		296,294	17,938.3	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, 2014 and June 30, 2015 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	-	27	0.27	4.23	
5-17	0.00	-	88	0.49	7.58	
18-49	0.00	-	923	4.12	64.76	
50-64	0.00	-	2,377	11.94	189.89	
65+	0.00	-	3,482	8.32	134.15	
Supplemental oxygen						
6 Months - 4	0.00	-	1,319	15.22	239.27	
5-17	0.00	-	1,170	7.00	109.78	
18-49	0.00	-	2,188	10.53	166.23	
50-64	0.00	-	4,491	24.81	397.97	
65+	0.00	-	14,624	38.40	631.22	
Mechanical ventilation						
6 Months - 4	0.00	-	49	0.49	7.69	
5-17	0.00	-	52	0.29	4.48	
18-49	0.00	-	422	1.89	29.73	
50-64	0.00	-	1,523	7.83	124.09	
65+	0.00	-	5,105	12.66	203.98	
Critical Care						
6 Months - 4	0.00	-	253	2.59	40.40	
5-17	0.00	-	332	1.85	28.86	
18-49	0.00	-	2,285	10.70	168.74	
50-64	0.00	-	5,504	32.47	520.69	
65+	0.00	-	19,160	64.67	1,068.11	

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, 2014 and June 30, 2015 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	92,609		99,587	6,383.0	0.00
5-17	174,003		181,418	11,611.8	0.00
18-49	211,041		224,257	14,297.1	0.00
50-64	172,512		199,892	12,641.6	0.00
65+	337,779		419,753	26,134.8	0.00
Death					
6 Months - 4	92,608		99,586	6,382.9	0.00
5-17	174,000		181,417	11,611.8	0.00
18-49	210,961		224,163	14,287.7	0.00
50-64	171,772		199,009	12,552.2	0.00
65+	331,599		412,584	25,378.5	0.00
Discharge from hospital alive					
6 Months - 4	90,308		96,774	6,186.4	0.00
5-17	172,204		179,205	11,450.1	0.00
18-49	202,738		213,887	13,540.7	0.00
50-64	152,946		173,909	10,787.9	0.00
65+	261,453		318,040	19,059.4	0.00
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	2,967		3,027		
5-17	2,356		2,412		
18-49	11,216		11,762		
50-64	28,868		31,006		
65+	119,794		128,170		

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, 2014 and June 30, 2015 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	0.16	
5-17	0.00	-	0	0.00	0.00	
18-49	0.00	-	13	0.06	0.91	
50-64	0.00	-	10	0.05	0.79	
65+	0.00	-	10	0.02	0.38	
Death						
6 Months - 4	0.00	-	7	0.07	1.10	
5-17	0.00	-	7	0.04	0.60	
18-49	0.00	-	334	1.49	23.38	
50-64	0.00	-	2,285	11.48	182.04	
65+	0.00	-	19,082	46.25	751.90	
Discharge from hospital alive						
6 Months - 4	0.00	-	441	4.56	71.29	
5-17	0.00	-	544	3.04	47.51	
18-49	0.00	-	2,967	13.87	219.12	
50-64	0.00	-	6,362	36.58	589.73	
65+	0.00	-	20,874	65.63	1,095.21	
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, 2014 and June 30, 2015 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		22		
5-17	37		42		
18-49	259		297		
50-64	734		811		
65+	1,018		1,188		
Supplemental oxygen					
6 Months - 4	12,936		13,251		
5-17	14,439		14,633		
18-49	17,132		17,350		
50-64	19,107		19,705		
65+	39,437		41,110		
Mechanical ventilation					
6 Months - 4	196		204		
5-17	187		193		
18-49	1,563		1,601		
50-64	5,393		5,591		
65+	16,704		17,103		
Critical Care					
6 Months - 4	1,810		1,852		
5-17	1,531		1,578		
18-49	10,777		11,373		
50-64	29,437		31,819		
65+	119,789		129,108		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	40		46		
50-64	22		22		
65+	13		13		
Death					
6 Months - 4	5		5		
5-17	6		6		
18-49	195		195		
50-64	1,152		1,152		
65+	8,291		8,291		
Discharge from hospital alive					
6 Months - 4	2,882		2,939		
5-17	2,294		2,346		
18-49	10,477		10,937		
50-64	25,542		27,169		
65+	100,171		106,371		
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
6 Months - 4	5		5		
5-17	13		13		
18-49	23		23		
50-64	41		41		
65+	116		116		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	2		2		
18-49	16		16		
50-64	18		18		
65+	5		5		
Supplemental oxygen					
6 Months - 4	747		749		
5-17	1,414		1,415		
18-49	2,193		2,195		
50-64	1,519		1,520		
65+	1,564		1,564		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	3		3		
50-64	1		1		
65+	9		9		
Critical Care					
6 Months - 4	15		15		
5-17	10		10		
18-49	34		34		
50-64	61		61		
65+	97		97		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	5		5		
5-17	13		13		
18-49	22		22		
50-64	41		41		
65+	100		100		
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	10		10		
5-17	4		4		
18-49	12		12		
50-64	12		12		
65+	68		68		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	1		1		
18-49	5		5		
50-64	1		1		
65+	3		3		
Supplemental oxygen					
6 Months - 4	13		13		
5-17	20		20		
18-49	40		40		
50-64	31		31		
65+	48		48		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	2		2		
50-64	1		1		
65+	7		7		
Critical Care					
6 Months - 4	8		8		
5-17	6		6		
18-49	12		12		
50-64	15		15		
65+	83		83		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	2		2		
65+	0		0		
Discharge from hospital alive					
6 Months - 4	8		8		
5-17	2		2		
18-49	8		8		
50-64	8		8		
65+	55		55		
MAARI - Treated Day of Diagnosis					
Hospitalization					
6 Months - 4	37,561		37,943	2,939.9	1.01
5-17	122,241		123,258	9,568.1	1.01
18-49	150,351		151,010	11,643.8	1.00
50-64	60,801		61,037	4,694.6	1.00
65+	34,785		34,898	2,616.4	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, 2014 and June 30, 2015 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	5.99	5.93	201	5.30	68.37	
5-17	5.66	5.60	255	2.07	26.65	
18-49	5.15	5.12	1,046	6.93	89.83	
50-64	5.14	5.11	794	13.01	169.13	
65+	5.15	5.13	1,238	35.47	473.17	

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, 2014 and June 30, 2015 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	37,566		37,948	2,950.5	1.01
5-17	122,252		123,269	9,580.7	1.01
18-49	150,361		151,020	11,679.0	1.00
50-64	60,805		61,041	4,715.3	1.00
65+	34,881		34,994	2,679.2	1.00
Supplemental oxygen					
6 Months - 4	36,916		37,276	2,875.5	1.01
5-17	120,945		121,942	9,449.8	1.01
18-49	148,185		148,827	11,468.8	1.00
50-64	59,302		59,533	4,578.1	1.00
65+	33,285		33,390	2,532.9	1.00
Mechanical ventilation					
6 Months - 4	37,566		37,948	2,950.3	1.01
5-17	122,253		123,270	9,580.5	1.01
18-49	150,374		151,034	11,693.1	1.00
50-64	60,830		61,066	4,732.9	1.00
65+	34,885		34,998	2,687.0	1.00
Critical Care					
6 Months - 4	37,556		37,938	2,944.4	1.01
5-17	122,241		123,258	9,572.8	1.01
18-49	150,340		150,999	11,661.6	1.00
50-64	60,784		61,020	4,702.9	1.00
65+	34,793		34,906	2,628.7	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, 2014 and June 30, 2015 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	5.99	5.93	3	0.08	1.02	
5-17	5.66	5.60	7	0.06	0.73	
18-49	5.15	5.12	401	2.66	34.34	
50-64	5.14	5.11	449	7.36	95.22	
65+	5.15	5.13	330	9.43	123.17	
Supplemental oxygen						
6 Months - 4	5.99	5.93	543	14.57	188.84	
5-17	5.66	5.60	563	4.62	59.58	
18-49	5.15	5.12	1,012	6.80	88.24	
50-64	5.14	5.12	710	11.93	155.09	
65+	5.15	5.13	634	18.99	250.31	
Mechanical ventilation						
6 Months - 4	5.99	5.93	4	0.11	1.36	
5-17	5.66	5.60	14	0.11	1.46	
18-49	5.15	5.12	36	0.24	3.08	
50-64	5.14	5.11	54	0.88	11.41	
65+	5.15	5.13	105	3.00	39.08	
Critical Care						
6 Months - 4	5.99	5.93	104	2.74	35.32	
5-17	5.66	5.60	156	1.27	16.30	
18-49	5.15	5.12	593	3.93	50.85	
50-64	5.14	5.11	592	9.70	125.88	
65+	5.15	5.13	1,023	29.31	389.17	

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, 2014 and June 30, 2015 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	37,566		37,948	2,950.5	1.01
5-17	122,253		123,270	9,581.0	1.01
18-49	150,375		151,035	11,695.1	1.00
50-64	60,831		61,067	4,735.4	1.00
65+	34,890		35,003	2,692.3	1.00
Death					
6 Months - 4	37,566		37,948	2,950.5	1.01
5-17	122,253		123,270	9,580.9	1.01
18-49	150,375		151,035	11,694.9	1.00
50-64	60,831		61,067	4,735.3	1.00
65+	34,890		35,003	2,690.5	1.00
Discharge from hospital alive					
6 Months - 4	37,561		37,943	2,940.2	1.01
5-17	122,241		123,258	9,568.6	1.01
18-49	150,352		151,011	11,645.4	1.00
50-64	60,801		61,037	4,696.0	1.00
65+	34,798		34,911	2,623.4	1.00
MAARI - Treated After Day of Diagnosis					
Hospitalization					
6 Months - 4	3,131		3,132	234.5	1.00
5-17	8,642		8,646	649.7	1.00
18-49	9,529		9,532	706.9	1.00
50-64	3,738		3,739	274.7	1.00
65+	4,297		4,297	304.9	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, 2014 and June 30, 2015 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	5.99	5.93	0	0.00	0.00	
5-17	5.66	5.60	0	0.00	0.00	
18-49	5.15	5.12	2	0.01	0.17	
50-64	5.14	5.11	1	0.02	0.21	
65+	5.15	5.13	2	0.06	0.74	
Death						
6 Months - 4	5.99	5.93	1	0.03	0.34	
5-17	5.66	5.60	3	0.02	0.31	
18-49	5.15	5.12	11	0.07	0.94	
50-64	5.14	5.11	15	0.25	3.17	
65+	5.15	5.13	79	2.26	29.36	
Discharge from hospital alive						
6 Months - 4	5.99	5.93	192	5.06	65.30	
5-17	5.66	5.60	243	1.97	25.40	
18-49	5.15	5.12	1,009	6.68	86.64	
50-64	5.14	5.11	755	12.37	160.78	
65+	5.15	5.13	1,122	32.14	427.69	
MAARI - Treated After Day of Diagnosis						
Hospitalization						
6 Months - 4	5.86	5.85	26	8.30	110.87	
5-17	5.62	5.59	26	3.01	40.02	
18-49	5.16	5.15	167	17.52	236.24	
50-64	5.12	5.11	92	24.61	334.91	
65+	5.11	5.10	253	58.88	829.78	

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, 2014 and June 30, 2015 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	3,155		3,156	237.7	1.00
5-17	8,671		8,675	653.3	1.00
18-49	9,583		9,586	717.8	1.00
50-64	3,788		3,789	281.7	1.00
65+	4,508		4,508	332.4	1.00
Supplemental oxygen					
6 Months - 4	3,031		3,032	226.4	1.00
5-17	8,446		8,449	633.8	1.00
18-49	9,171		9,173	683.2	1.00
50-64	3,486		3,487	256.5	1.00
65+	3,851		3,851	278.5	1.00
Mechanical ventilation					
6 Months - 4	3,155		3,156	237.6	1.00
5-17	8,671		8,675	653.2	1.00
18-49	9,581		9,584	718.4	1.00
50-64	3,788		3,789	282.4	1.00
65+	4,496		4,496	331.8	1.00
Critical Care					
6 Months - 4	3,130		3,131	234.7	1.00
5-17	8,649		8,653	650.9	1.00
18-49	9,514		9,517	709.3	1.00
50-64	3,724		3,725	274.4	1.00
65+	4,227		4,227	303.0	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, 2014 and June 30, 2015 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	5.86	5.86	0	0.00	0.00	
5-17	5.61	5.59	0	0.00	0.00	
18-49	5.15	5.15	29	3.03	40.40	
50-64	5.11	5.10	35	9.24	124.25	
65+	5.08	5.07	36	7.99	108.30	
Supplemental oxygen						
6 Months - 4	5.85	5.84	46	15.17	203.18	
5-17	5.61	5.58	49	5.80	77.31	
18-49	5.16	5.15	92	10.03	134.66	
50-64	5.12	5.11	65	18.64	253.41	
65+	5.11	5.10	124	32.20	445.24	
Mechanical ventilation						
6 Months - 4	5.86	5.86	2	0.63	8.42	
5-17	5.61	5.59	1	0.12	1.53	
18-49	5.16	5.15	10	1.04	13.92	
50-64	5.11	5.10	13	3.43	46.03	
65+	5.08	5.07	17	3.78	51.24	
Critical Care						
6 Months - 4	5.86	5.85	18	5.75	76.69	
5-17	5.62	5.59	11	1.27	16.90	
18-49	5.16	5.15	88	9.25	124.07	
50-64	5.12	5.11	77	20.67	280.61	
65+	5.10	5.09	194	45.90	640.26	

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, 2014 and June 30, 2015 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	3,155		3,156	237.7	1.00
5-17	8,671		8,675	653.3	1.00
18-49	9,585		9,588	719.2	1.00
50-64	3,788		3,789	282.9	1.00
65+	4,508		4,508	333.7	1.00
Death					
6 Months - 4	3,155		3,156	237.7	1.00
5-17	8,671		8,675	653.3	1.00
18-49	9,585		9,588	719.1	1.00
50-64	3,786		3,787	282.7	1.00
65+	4,508		4,508	332.8	1.00
Discharge from hospital alive					
6 Months - 4	3,133		3,134	234.6	1.00
5-17	8,644		8,648	649.9	1.00
18-49	9,531		9,534	707.4	1.00
50-64	3,744		3,745	275.7	1.00
65+	4,328		4,328	309.0	1.00
MAARI - Treated 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	4,774		4,780	349.4	1.00
5-17	12,615		12,626	929.2	1.00
18-49	13,683		13,692	996.0	1.00
50-64	5,576		5,577	401.2	1.00
65+	6,966		6,969	485.3	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, 2014 and June 30, 2015 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	5.86	5.86	0	0.00	0.00	
5-17	5.61	5.59	0	0.00	0.00	
18-49	5.16	5.15	0	0.00	0.00	
50-64	5.11	5.10	0	0.00	0.00	
65+	5.08	5.07	0	0.00	0.00	
Death						
6 Months - 4	5.86	5.86	0	0.00	0.00	
5-17	5.61	5.59	0	0.00	0.00	
18-49	5.16	5.15	4	0.42	5.56	
50-64	5.11	5.10	5	1.32	17.69	
65+	5.08	5.07	35	7.76	105.17	
Discharge from hospital alive						
6 Months - 4	5.86	5.86	25	7.98	106.56	
5-17	5.62	5.59	25	2.89	38.47	
18-49	5.16	5.15	158	16.57	223.35	
50-64	5.11	5.11	81	21.63	293.80	
65+	5.10	5.10	220	50.83	711.97	
MAARI - Treated 1-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	6.03	6.02	36	7.53	103.03	
5-17	5.70	5.68	42	3.33	45.20	
18-49	5.23	5.22	228	16.65	228.92	
50-64	5.14	5.13	151	27.08	376.37	
65+	5.00	5.00	429	61.56	883.99	

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, 2014 and June 30, 2015 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	4,866		4,872	357.8	1.00
5-17	12,728		12,740	939.7	1.00
18-49	14,023		14,034	1,028.6	1.00
50-64	6,236		6,237	452.7	1.00
65+	9,672		9,679	692.5	1.00
Supplemental oxygen					
6 Months - 4	4,650		4,655	338.9	1.00
5-17	12,382		12,392	910.1	1.00
18-49	13,381		13,390	976.3	1.00
50-64	5,661		5,662	406.8	1.00
65+	8,241		8,244	577.5	1.00
Mechanical ventilation					
6 Months - 4	4,865		4,871	357.5	1.00
5-17	12,723		12,735	939.2	1.00
18-49	14,023		14,034	1,030.2	1.00
50-64	6,213		6,214	452.0	1.00
65+	9,617		9,624	689.9	1.00
Critical Care					
6 Months - 4	4,798		4,804	351.5	1.00
5-17	12,656		12,667	933.2	1.00
18-49	13,730		13,739	1,003.8	1.00
50-64	5,677		5,678	409.1	1.00
65+	7,299		7,301	513.1	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, 2014 and June 30, 2015 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	5.69	5.66	0	0.00	0.00	
18-49	5.20	5.19	48	3.42	46.67	
50-64	4.97	4.97	54	8.66	119.28	
65+	4.60	4.59	91	9.40	131.41	
Supplemental oxygen						
6 Months - 4	6.01	6.00	76	16.33	224.25	
5-17	5.69	5.67	82	6.62	90.10	
18-49	5.21	5.20	136	10.16	139.30	
50-64	5.00	4.99	106	18.72	260.57	
65+	4.62	4.61	298	36.15	516.02	
Mechanical ventilation						
6 Months - 4	6.01	6.00	3	0.62	8.39	
5-17	5.69	5.66	2	0.16	2.13	
18-49	5.20	5.19	11	0.78	10.68	
50-64	4.98	4.98	20	3.22	44.25	
65+	4.60	4.59	46	4.78	66.68	
Critical Care						
6 Months - 4	6.02	6.01	24	5.00	68.28	
5-17	5.70	5.67	22	1.74	23.57	
18-49	5.22	5.22	120	8.73	119.55	
50-64	5.10	5.10	129	22.72	315.33	
65+	4.89	4.89	337	46.16	656.79	

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, 2014 and June 30, 2015 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	4,866		4,872	357.8	1.00
5-17	12,729		12,741	939.8	1.00
18-49	14,029		14,040	1,031.1	1.00
50-64	6,239		6,240	454.7	1.00
65+	9,688		9,695	696.9	1.00
Death					
6 Months - 4	4,866		4,872	357.8	1.00
5-17	12,729		12,741	939.8	1.00
18-49	14,029		14,040	1,031.1	1.00
50-64	6,237		6,238	454.3	1.00
65+	9,686		9,693	694.9	1.00
Discharge from hospital alive					
6 Months - 4	4,779		4,785	349.8	1.00
5-17	12,621		12,632	929.9	1.00
18-49	13,705		13,714	997.9	1.00
50-64	5,617		5,618	404.6	1.00
65+	7,313		7,316	511.0	1.00
MAARI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	881,584		1,346,842	85,625.8	0.00
5-17	1,700,228		2,234,291	142,732.8	0.00
18-49	2,419,838		2,811,105	178,076.4	0.00
50-64	1,022,871		1,170,322	74,109.6	0.00
65+	783,266		906,958	57,045.0	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, 2014 and June 30, 2015 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	5.69	5.66	0	0.00	0.00	
18-49	5.20	5.19	0	0.00	0.00	
50-64	4.97	4.97	0	0.00	0.00	
65+	4.60	4.59	0	0.00	0.00	
Death						
6 Months - 4	6.01	6.00	1	0.21	2.79	
5-17	5.69	5.66	0	0.00	0.00	
18-49	5.20	5.19	4	0.28	3.88	
50-64	4.97	4.97	8	1.28	17.61	
65+	4.60	4.59	70	7.22	100.73	
Discharge from hospital alive						
6 Months - 4	6.03	6.02	34	7.11	97.20	
5-17	5.70	5.68	38	3.01	40.86	
18-49	5.23	5.22	220	16.04	220.46	
50-64	5.13	5.12	139	24.74	343.55	
65+	4.93	4.93	399	54.54	780.82	
MAARI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
6 Months - 4	0.00	-	3,160	2.35	36.90	
5-17	0.00	-	3,730	1.67	26.13	
18-49	0.00	-	14,518	5.16	81.53	
50-64	0.00	-	11,554	9.87	155.90	
65+	0.00	-	22,095	24.36	387.33	

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, 2014 and June 30, 2015 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	883,302		1,350,922	85,988.0	0.00
5-17	1,702,463		2,238,049	143,095.0	0.00
18-49	2,425,391		2,818,564	178,861.6	0.00
50-64	1,028,437		1,177,518	74,708.8	0.00
65+	803,105		931,437	59,142.2	0.00
Supplemental oxygen					
6 Months - 4	869,159		1,317,239	83,464.8	0.00
5-17	1,681,304		2,201,967	140,505.0	0.00
18-49	2,387,032		2,766,522	175,323.2	0.00
50-64	1,001,625		1,142,452	72,408.4	0.00
65+	773,604		893,403	56,500.9	0.00
Mechanical ventilation					
6 Months - 4	883,229		1,350,771	85,976.0	0.00
5-17	1,702,414		2,237,977	143,094.2	0.00
18-49	2,426,103		2,819,658	179,084.8	0.00
50-64	1,029,486		1,179,083	75,032.8	0.00
65+	802,736		931,200	59,290.7	0.00
Critical Care					
6 Months - 4	882,208		1,348,391	85,768.3	0.00
5-17	1,700,925		2,235,532	142,868.2	0.00
18-49	2,421,021		2,812,729	178,415.1	0.00
50-64	1,023,028		1,170,546	74,226.3	0.00
65+	784,061		908,051	57,277.0	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, 2014 and June 30, 2015 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	-	55	0.04	0.64	
5-17	0.00	-	211	0.09	1.47	
18-49	0.00	-	5,312	1.88	29.70	
50-64	0.00	-	7,955	6.76	106.48	
65+	0.00	-	6,615	7.10	111.85	
Supplemental oxygen						
6 Months - 4	0.00	-	11,653	8.85	139.62	
5-17	0.00	-	7,900	3.59	56.23	
18-49	0.00	-	10,271	3.71	58.58	
50-64	0.00	-	8,408	7.36	116.12	
65+	0.00	-	11,381	12.74	201.43	
Mechanical ventilation						
6 Months - 4	0.00	-	143	0.11	1.66	
5-17	0.00	-	80	0.04	0.56	
18-49	0.00	-	440	0.16	2.46	
50-64	0.00	-	907	0.77	12.09	
65+	0.00	-	1,744	1.87	29.41	
Critical Care						
6 Months - 4	0.00	-	1,793	1.33	20.91	
5-17	0.00	-	2,152	0.96	15.06	
18-49	0.00	-	7,179	2.55	40.24	
50-64	0.00	-	8,602	7.35	115.89	
65+	0.00	-	17,714	19.51	309.27	

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, 2014 and June 30, 2015 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	883,314		1,350,946	85,991.3	0.00
5-17	1,702,492		2,238,112	143,105.7	0.00
18-49	2,426,413		2,820,057	179,123.9	0.00
50-64	1,030,122		1,179,903	75,111.5	0.00
65+	804,430		933,314	59,472.7	0.00
Death					
6 Months - 4	883,315		1,350,947	85,991.1	0.00
5-17	1,702,492		2,238,114	143,105.6	0.00
18-49	2,426,400		2,820,040	179,121.4	0.00
50-64	1,030,042		1,179,799	75,098.0	0.00
65+	803,751		932,532	59,370.8	0.00
Discharge from hospital alive					
6 Months - 4	881,659		1,347,029	85,643.6	0.00
5-17	1,700,291		2,234,397	142,746.0	0.00
18-49	2,420,182		2,811,592	178,129.6	0.00
50-64	1,023,468		1,171,121	74,183.2	0.00
65+	786,078		910,370	57,331.2	0.00
MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	4,130		4,220		
5-17	3,924		3,973		
18-49	9,291		9,398		
50-64	10,234		10,354		
65+	28,986		29,376		

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, 2014 and June 30, 2015 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	0.00	0.01	
5-17	0.00	-	0	0.00	0.00	
18-49	0.00	-	6	0.00	0.03	
50-64	0.00	-	6	0.01	0.08	
65+	0.00	-	0	0.00	0.00	
Death						
6 Months - 4	0.00	-	18	0.01	0.21	
5-17	0.00	-	14	0.01	0.10	
18-49	0.00	-	131	0.05	0.73	
50-64	0.00	-	484	0.41	6.44	
65+	0.00	-	3,055	3.28	51.46	
Discharge from hospital alive						
6 Months - 4	0.00	-	2,976	2.21	34.75	
5-17	0.00	-	3,536	1.58	24.77	
18-49	0.00	-	13,823	4.92	77.60	
50-64	0.00	-	10,787	9.21	145.41	
65+	0.00	-	19,701	21.64	343.63	
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, 2014 and June 30, 2015 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	24		26		
5-17	62		66		
18-49	1,477		1,517		
50-64	2,348		2,416		
65+	1,849		1,914		
Supplemental oxygen					
6 Months - 4	32,608		34,221		
5-17	35,595		36,709		
18-49	53,564		54,810		
50-64	37,406		38,513		
65+	40,789		41,824		
Mechanical ventilation					
6 Months - 4	182		183		
5-17	143		147		
18-49	419		423		
50-64	860		866		
65+	2,218		2,230		
Critical Care					
6 Months - 4	2,578		2,636		
5-17	2,643		2,681		
18-49	7,627		7,731		
50-64	9,886		10,063		
65+	27,521		27,946		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	3		3		
18-49	9		9		
50-64	4		4		
65+	1		1		
Death					
6 Months - 4	3		3		
5-17	4		4		
18-49	44		44		
50-64	146		146		
65+	902		902		
Discharge from hospital alive					
6 Months - 4	3,940		4,025		
5-17	3,811		3,860		
18-49	8,787		8,884		
50-64	9,393		9,498		
65+	25,231		25,539		
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
6 Months - 4	5		5		
5-17	12		12		
18-49	25		25		
50-64	30		30		
65+	105		105		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	1		1		
18-49	15		15		
50-64	26		26		
65+	9		9		
Supplemental oxygen					
6 Months - 4	670		672		
5-17	1,328		1,329		
18-49	2,209		2,210		
50-64	1,537		1,538		
65+	1,617		1,617		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	1		1		
50-64	1		1		
65+	5		5		
Critical Care					
6 Months - 4	10		10		
5-17	12		12		
18-49	36		36		
50-64	47		47		
65+	97		97		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	5		5		
5-17	12		12		
18-49	24		24		
50-64	30		30		
65+	92		92		
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
6 Months - 4	10		10		
5-17	6		6		
18-49	13		13		
50-64	17		17		
65+	62		62		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	1		1		
18-49	5		5		
50-64	1		1		
65+	1		1		
Supplemental oxygen					
6 Months - 4	41		41		
5-17	83		83		
18-49	99		99		
50-64	77		77		
65+	87		87		
Mechanical ventilation					
6 Months - 4	0		0		
5-17	0		0		
18-49	3		3		
50-64	0		0		
65+	7		7		
Critical Care					
6 Months - 4	9		9		
5-17	6		6		
18-49	12		12		
50-64	19		19		
65+	82		82		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 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	2		2		
65+	2		2		
Discharge from hospital alive					
6 Months - 4	8		8		
5-17	4		4		
18-49	9		9		
50-64	11		11		
65+	46		46		

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, 2014 and June 30, 2015 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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ILI					
Total					
<i>2014</i>					
July	3,758	39,597,198	3,758	0.0	0.27
August	3,991	40,008,675	3,991	0.0	0.30
September	8,169	39,330,943	8,169	0.0	0.33
October	14,402	40,188,748	14,402	0.0	0.39
November	41,350	39,647,344	41,350	0.0	0.58
December	263,576	40,379,741	263,576	0.0	0.64
<i>2015</i>					
January	197,541	37,236,139	197,541	0.0	0.60
February	102,911	36,708,463	102,911	0.0	0.57
March	66,761	36,958,823	66,761	0.0	0.53
April	28,119	37,071,516	28,119	0.0	0.46
May	10,057	37,129,289	10,057	0.0	0.37
June	4,597	37,299,750	4,597	0.0	0.27
Treated Day of Diagnosis					
<i>2014</i>					
July	944		944	74.2	1.00
August	1,106		1,106	87.3	1.00
September	2,471		2,471	194.5	1.00
October	5,198		5,198	409.3	1.00
November	22,252		22,252	1,749.0	1.00
December	153,239		153,239	11,572.5	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, 2014 and June 30, 2015 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>2014</i>						
July	1	5				3,324,229.10
August	2	5				3,336,354.20
September	2	5				3,222,023.20
October	2	5				3,343,211.60
November	3	5				3,2473,84.9
December	3	5				3,339,612
<i>2015</i>						
January	3	5				3,077,016.70
February	3	5				2,792,689
March	3	5				3,116,522.80
April	2	5				3,032,020.10
May	2	5				3,140,073.10
June	1	5				3,054,683.80
Treated Day of Diagnosis						
<i>2014</i>						
July	5	5				
August	5	5				
September	5	5				
October	5	5				
November	5	5				
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	109,159		109,159	8,617.3	1.00
February	54,946		54,946	4,339.1	1.00
March	32,690		32,690	2,580.3	1.00
April	11,889		11,889	939.6	1.00
May	3,478		3,478	273.9	1.00
June	1,083		1,083	53.1	1.00
Treated Day After Diagnosis					
2014					
July	51		51	3.9	1.00
August	69		69	5.2	1.00
September	150		150	11.5	1.00
October	326		326	24.9	1.00
November	1,369		1,369	103.8	1.00
December	9,961		9,961	730.9	1.00
2015					
January	6,163		6,163	469.5	1.00
February	2,912		2,912	221.5	1.00
March	1,717		1,717	131.1	1.00
April	716		716	54.8	1.00
May	201		201	15.4	1.00
June	75		75	3.2	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, 2014 and June 30, 2015 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
2015						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	5	5				
Treated Day After Diagnosis						
2014						
July	5	5				
August	5	5				
September	5	5				
October	5	5				
November	5	5				
December	5	5				
2015						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	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, 2014 and June 30, 2015 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>2014</i>					
July	78		78	5.8	1.00
August	100		100	7.5	1.00
September	196		196	14.8	1.00
October	428		428	32.2	1.00
November	1,862		1,862	139.1	1.00
December	13,728		13,728	991.0	1.00
<i>2015</i>					
January	8,638		8,638	646.3	1.00
February	3,971		3,971	297.3	1.00
March	2,368		2,368	177.7	1.00
April	1,043		1,043	78.1	1.00
May	280		280	21.0	1.00
June	109		109	4.6	1.00
Not Treated 0-5 Days After Diagnosis					
<i>2014</i>					
July	2,730		2,730	177.7	0.00
August	2,779		2,779	181.5	0.00
September	5,478		5,478	356.5	0.00
October	8,745		8,745	571.7	0.00
November	17,132		17,132	1,117.0	0.00
December	93,652		93,652	5,882.7	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, 2014 and June 30, 2015 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>2014</i>						
July	5	5				
August	5	5				
September	5	5				
October	5	5				
November	5	5				
December	5	5				
<i>2015</i>						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	5	5				
Not Treated 0-5 Days After Diagnosis						
<i>2014</i>						
July	0	-				
August	0	-				
September	0	-				
October	0	-				
November	0	-				
December	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	79,509		79,509	5,189.2	0.00
February	43,888		43,888	2,865.1	0.00
March	31,631		31,631	2,064.7	0.00
April	15,159		15,159	990.8	0.00
May	6,287		6,287	410.2	0.00
June	2,824		2,824	106.7	0.00
P and I					
Total					
2014					
July	51,467	39,578,350	51,467	0.0	0.02
August	58,026	39,996,327	58,026	0.0	0.02
September	70,730	39,317,846	70,730	0.0	0.04
October	77,284	40,168,800	77,284	0.0	0.07
November	111,594	39,631,150	111,594	0.0	0.22
December	353,590	40,355,971	353,590	0.0	0.48
2015					
January	285,809	37,215,034	285,809	0.0	0.41
February	179,959	36,681,027	179,959	0.0	0.33
March	145,867	36,935,507	145,867	0.0	0.24
April	105,005	37,051,217	105,005	0.0	0.12
May	72,426	37,108,318	72,426	0.0	0.05
June	66,211	37,284,163	66,211	0.0	0.02

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, 2014 and June 30, 2015 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
2015						
January	0	-				
February	0	-				
March	0	-				
April	0	-				
May	0	-				
June	0	-				
P and I						
Total						
2014						
July	0	5				3,318,645.40
August	0	5				3,331,019.60
September	0	5				3,216,447.90
October	0	5				3,336,733.90
November	1	5				3,240,705
December	3	5				3,331,623.80
2015						
January	2	5				3,068,377.70
February	2	5				2,784,841.30
March	1	5				3,108,118.90
April	1	5				3,024,205.50
May	0	5				3,132,646.30
June	0	5				3,048,302.70

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Treated Day of Diagnosis					
<i>2014</i>					
July	947		947	74.4	1.00
August	1,111		1,111	87.7	1.00
September	2,486		2,486	195.7	1.00
October	5,213		5,213	410.5	1.00
November	22,265		22,265	1,750.0	1.00
December	153,217		153,217	11,570.8	1.00
<i>2015</i>					
January	109,354		109,354	8,632.2	1.00
February	55,036		55,036	4,346.1	1.00
March	32,740		32,740	2,584.3	1.00
April	11,923		11,923	942.1	1.00
May	3,496		3,496	275.3	1.00
June	1,094		1,094	53.7	1.00
Treated Day After Diagnosis					
<i>2014</i>					
July	51		51	3.9	1.00
August	72		72	5.5	1.00
September	154		154	11.8	1.00
October	330		330	25.2	1.00
November	1,378		1,378	104.5	1.00
December	10,050		10,050	737.2	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, 2014 and June 30, 2015 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 of Diagnosis						
<i>2014</i>						
July	5	5				
August	5	5				
September	5	5				
October	5	5				
November	5	5				
December	5	5				
<i>2015</i>						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	5	5				
Treated Day After Diagnosis						
<i>2014</i>						
July	5	5				
August	5	5				
September	5	5				
October	5	5				
November	5	5				
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	6,245		6,245	475.8	1.00
February	2,962		2,962	225.3	1.00
March	1,746		1,746	133.2	1.00
April	733		733	56.1	1.00
May	207		207	15.9	1.00
June	75		75	3.2	1.00
Treated 1-5 Days After Diagnosis					
2014					
July	85		85	6.3	1.00
August	115		115	8.5	1.00
September	216		216	16.3	1.00
October	460		460	34.4	1.00
November	1,921		1,921	143.1	1.00
December	14,070		14,070	1,014.3	1.00
2015					
January	9,059		9,059	676.2	1.00
February	4,175		4,175	311.9	1.00
March	2,501		2,501	187.2	1.00
April	1,105		1,105	82.6	1.00
May	297		297	22.3	1.00
June	120		120	5.0	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, 2014 and June 30, 2015 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
2015						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	5	5				
Treated 1-5 Days After Diagnosis						
2014						
July	5	5				
August	5	5				
September	5	5				
October	5	5				
November	5	5				
December	5	5				
2015						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Not Treated 0-5 Days After Diagnosis					
<i>2014</i>					
July	50,195		50,195	3,240.3	0.00
August	56,551		56,551	3,661.1	0.00
September	67,776		67,776	4,385.8	0.00
October	71,292		71,292	4,624.0	0.00
November	86,993		86,993	5,639.7	0.00
December	181,491		181,491	11,422.5	0.00
<i>2015</i>					
January	166,769		166,769	10,841.0	0.00
February	120,317		120,317	7,814.1	0.00
March	110,233		110,233	7,161.2	0.00
April	91,636		91,636	5,948.6	0.00
May	68,368		68,368	4,435.2	0.00
June	53,370		53,370	1,900.9	0.00
MAARI					
Total					
<i>2014</i>					
July	417,951	39,570,343	417,951	0.0	0.00
August	475,405	39,981,514	475,405	0.0	0.00
September	662,789	39,295,831	662,789	0.0	0.00
October	716,121	40,135,798	716,121	0.0	0.01
November	800,339	39,581,687	800,339	0.0	0.03
December	1,320,119	40,293,667	1,320,119	0.0	0.13

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, 2014 and June 30, 2015 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 0-5 Days After Diagnosis						
<i>2014</i>						
July	0	-				
August	0	-				
September	0	-				
October	0	-				
November	0	-				
December	0	-				
<i>2015</i>						
January	0	-				
February	0	-				
March	0	-				
April	0	-				
May	0	-				
June	0	-				
MAARI						
Total						
<i>2014</i>						
July	0	5				3,285,757.40
August	0	5				3,299,296.80
September	0	5				3,174,278.50
October	0	5				3,283,610.60
November	0	5				3,184,043.80
December	1	5				3,259,804

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	1,097,266	37,157,946	1,097,266	0.0	0.11
February	905,589	36,557,828	905,589	0.0	0.07
March	882,698	36,904,789	882,698	0.0	0.04
April	722,777	36,995,912	722,777	0.0	0.02
May	609,373	37,091,704	609,373	0.0	0.01
June	493,656	37,265,529	493,656	0.0	0.00
Treated Day of Diagnosis					
2014					
July	1,141		1,141	89.6	1.00
August	1,245		1,245	98.2	1.00
September	2,882		2,882	226.8	1.00
October	5,856		5,856	460.9	1.00
November	22,495		22,495	1,768.4	1.00
December	152,180		152,180	11,482.4	1.00
2015					
January	112,918		112,918	8,913.9	1.00
February	57,338		57,338	4,527.6	1.00
March	34,244		34,244	2,703.1	1.00
April	12,841		12,841	1,015.1	1.00
May	3,871		3,871	304.9	1.00
June	1,312		1,312	63.6	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, 2014 and June 30, 2015 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
2015						
January	1	5				2,996,350.70
February	0	5				2,720,000.60
March	0	5				3,042,565.10
April	0	5				2,967,431.10
May	0	5				3,081,228.30
June	0	5				3,007,884.70
Treated Day of Diagnosis						
2014						
July	5	5				
August	5	5				
September	5	5				
October	5	5				
November	5	5				
December	5	5				
2015						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	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, 2014 and June 30, 2015 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>2014</i>					
July	86		86	6.5	1.00
August	103		103	7.8	1.00
September	214		214	16.2	1.00
October	472		472	36.1	1.00
November	1,667		1,667	126.7	1.00
December	11,799		11,799	865.1	1.00
<i>2015</i>					
January	8,045		8,045	612.9	1.00
February	3,765		3,765	286.6	1.00
March	2,278		2,278	174.0	1.00
April	906		906	69.3	1.00
May	275		275	21.1	1.00
June	106		106	4.5	1.00
Treated 1-5 Days After Diagnosis					
<i>2014</i>					
July	136		136	10.1	1.00
August	195		195	14.3	1.00
September	369		369	27.2	1.00
October	739		739	55.2	1.00
November	2,733		2,733	202.6	1.00
December	18,691		18,691	1,338.2	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, 2014 and June 30, 2015 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>2014</i>						
July	6	6				
August	5	5				
September	5	5				
October	6	6				
November	5	5				
December	5	5				
<i>2015</i>						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	5	5				
Treated 1-5 Days After Diagnosis						
<i>2014</i>						
July	5	5				
August	5	5				
September	5	5				
October	5	5				
November	5	5				
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	12,829		12,829	952.9	1.00
February	6,039		6,039	449.1	1.00
March	3,708		3,708	276.2	1.00
April	1,525		1,525	113.5	1.00
May	454		454	33.9	1.00
June	170		170	7.2	1.00
Not Treated 0-5 Days After Diagnosis					
2014					
July	415,128		415,128	27,074.2	0.00
August	472,279		472,279	30,839.3	0.00
September	657,348		657,348	42,893.9	0.00
October	707,334		707,334	46,231.1	0.00
November	772,839		772,839	50,420.8	0.00
December	1,127,345		1,127,345	71,560.9	0.00
2015					
January	968,626		968,626	63,322.9	0.00
February	839,847		839,847	54,908.3	0.00
March	842,681		842,681	55,084.6	0.00
April	706,774		706,774	46,202.0	0.00
May	603,438		603,438	39,450.1	0.00
June	408,711		408,711	14,818.4	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, 2014 and June 30, 2015 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
2015						
January	5	5				
February	5	5				
March	5	5				
April	5	5				
May	5	5				
June	5	5				
Not Treated 0-5 Days After Diagnosis						
2014						
July	0	-				
August	0	-				
September	0	-				
October	0	-				
November	0	-				
December	0	-				
2015						
January	0	-				
February	0	-				
March	0	-				
April	0	-				
May	0	-				
June	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, 2014 and June 30, 2015 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>2014</i>					
July	944		944	73.1	1.00
August	1,105		1,105	86.0	1.00
September	2,471		2,471	191.8	1.00
October	5,196		5,196	404.9	1.00
November	22,250		22,250	1,740.8	1.00
December	153,159		153,159	11,512.8	1.00
<i>2015</i>					
January	109,115		109,115	8,564.6	1.00
February	54,931		54,931	4,315.6	1.00
March	32,676		32,676	2,564.7	1.00
April	11,883		11,883	932.5	1.00
May	3,476		3,476	271.9	1.00
June	1,083		1,083	52.7	1.00
Bilevel Positive Airway Pressure (BiPAP)					
<i>2014</i>					
July	944		944	73.9	1.00
August	1,106		1,106	87.0	1.00
September	2,470		2,470	194.2	1.00
October	5,198		5,198	408.5	1.00
November	22,250		22,250	1,747.3	1.00
December	153,225		153,225	11,554.6	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, 2014 and June 30, 2015 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>2014</i>						
July	5	5	19	20.1	259.92	
August	5	5	21	19.0	244.19	
September	5	5	49	19.8	255.47	
October	5	5	74	14.2	182.76	
November	5	5	161	7.2	92.49	
December	5	5	1,108	7.2	96.24	
<i>2015</i>						
January	5	5	983	9.0	114.77	
February	5	5	443	8.1	102.65	
March	5	5	286	8.8	111.51	
April	5	5	122	10.3	130.83	
May	5	5	31	8.9	114.01	
June	5	5	16	14.8	303.61	
Bilevel Positive Airway Pressure (BiPAP)						
<i>2014</i>						
July	5	5	8	8.5	108.25	
August	5	5	8	7.2	91.95	
September	5	5	7	2.8	36.05	
October	5	5	17	3.3	41.62	
November	5	5	49	2.2	28.04	
December	5	5	451	2.9	39.03	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	109,149		109,149	8,603.8	1.00
February	54,938		54,938	4,332.9	1.00
March	32,686		32,686	2,576.4	1.00
April	11,888		11,888	937.9	1.00
May	3,477		3,477	273.2	1.00
June	1,083		1,083	53.0	1.00
Supplemental oxygen					
2014					
July	929		929	72.4	1.00
August	1,082		1,082	84.6	1.00
September	2,419		2,419	188.7	1.00
October	5,090		5,090	397.7	1.00
November	21,816		21,816	1,706.0	1.00
December	150,463		150,463	11,306.7	1.00
2015					
January	107,203		107,203	8,411.4	1.00
February	53,955		53,955	4,234.1	1.00
March	32,060		32,060	2,513.5	1.00
April	11,648		11,648	911.9	1.00
May	3,382		3,382	264.1	1.00
June	1,057		1,057	51.8	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
2015						
January	5	5	326	3.0	37.89	
February	5	5	138	2.5	31.85	
March	5	5	86	2.6	33.38	
April	5	5	37	3.1	39.45	
May	5	5	13	3.7	47.58	
June	5	5	2	1.9	37.74	
Supplemental oxygen						
2014						
July	5	5	9	9.7	124.31	
August	5	5	18	16.6	212.77	
September	5	5	36	14.9	190.78	
October	5	5	56	11.0	140.81	
November	5	5	175	8.0	102.58	
December	5	5	1,151	7.7	101.80	
2015						
January	5	5	1,026	9.6	121.98	
February	5	5	498	9.2	117.62	
March	5	5	302	9.4	120.15	
April	5	5	147	12.6	161.20	
May	5	5	40	11.8	151.46	
June	5	5	8	7.6	154.44	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2014</i>					
July	944		944	73.9	1.00
August	1,106		1,106	87.3	1.00
September	2,471		2,471	194.3	1.00
October	5,198		5,198	408.9	1.00
November	22,252		22,252	1,748.7	1.00
December	153,235		153,235	11,569.6	1.00
<i>2015</i>					
January	109,155		109,155	8,613.8	1.00
February	54,946		54,946	4,337.4	1.00
March	32,690		32,690	2,579.6	1.00
April	11,889		11,889	939.0	1.00
May	3,478		3,478	273.8	1.00
June	1,083		1,083	53.1	1.00
Critical Care					
<i>2014</i>					
July	944		944	73.3	1.00
August	1,104		1,104	86.1	1.00
September	2,470		2,470	192.2	1.00
October	5,192		5,192	405.4	1.00
November	22,249		22,249	1,742.8	1.00
December	153,156		153,156	11,526.9	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
Mechanical ventilation						
<i>2014</i>						
July	5	5	5	5.3	67.66	
August	5	5	0	0.0	0.00	
September	5	5	6	2.4	30.88	
October	5	5	6	1.2	14.67	
November	5	5	8	0.4	4.57	
December	5	5	54	0.4	4.67	
<i>2015</i>						
January	5	5	63	0.6	7.31	
February	5	5	35	0.6	8.07	
March	5	5	15	0.5	5.81	
April	5	5	11	0.9	11.71	
May	5	5	2	0.6	7.30	
June	5	5	1	0.9	18.83	
Critical Care						
<i>2014</i>						
July	5	5	16	17.0	218.28	
August	5	5	18	16.3	209.06	
September	5	5	42	17.0	218.52	
October	5	5	59	11.4	145.54	
November	5	5	115	5.2	65.99	
December	5	5	788	5.2	68.36	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	109,103		109,103	8,580.2	1.00
February	54,932		54,932	4,322.7	1.00
March	32,676		32,676	2,568.3	1.00
April	11,881		11,881	933.8	1.00
May	3,475		3,475	272.3	1.00
June	1,082		1,082	52.9	1.00
Extracorporeal membrane oxygenation (ECMO)					
2014					
July	944		944	74.2	1.00
August	1,106		1,106	87.3	1.00
September	2,471		2,471	194.5	1.00
October	5,198		5,198	409.3	1.00
November	22,252		22,252	1,749.0	1.00
December	153,239		153,239	11,572.4	1.00
2015					
January	109,159		109,159	8,617.3	1.00
February	54,946		54,946	4,338.9	1.00
March	32,690		32,690	2,580.3	1.00
April	11,889		11,889	939.6	1.00
May	3,478		3,478	273.9	1.00
June	1,083		1,083	53.1	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, 2014 and June 30, 2015 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
2015						
January	5	5	625	5.7	72.84	
February	5	5	292	5.3	67.55	
March	5	5	207	6.3	80.60	
April	5	5	97	8.2	103.88	
May	5	5	23	6.6	84.47	
June	5	5	10	9.2	189.04	
Extracorporeal membrane oxygenation (ECMO)						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	1	0.0	0.09	
2015						
January	5	5	1	0.0	0.12	
February	5	5	3	0.1	0.69	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2014</i>					
July	944		944	74.1	1.00
August	1,106		1,106	87.3	1.00
September	2,471		2,471	194.5	1.00
October	5,198		5,198	409.1	1.00
November	22,252		22,252	1,748.9	1.00
December	153,239		153,239	11,571.6	1.00
<i>2015</i>					
January	109,159		109,159	8,616.7	1.00
February	54,946		54,946	4,339.0	1.00
March	32,690		32,690	2,580.3	1.00
April	11,889		11,889	939.4	1.00
May	3,478		3,478	273.9	1.00
June	1,083		1,083	53.1	1.00
Discharge from hospital alive					
<i>2014</i>					
July	944		944	73.3	1.00
August	1,105		1,105	86.0	1.00
September	2,471		2,471	192.1	1.00
October	5,196		5,196	405.1	1.00
November	22,250		22,250	1,741.3	1.00
December	153,168		153,168	11,516.6	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2014</i>						
July	5	5	2	2.1	26.99	
August	5	5	0	0.0	0.00	
September	5	5	5	2.0	25.71	
October	5	5	7	1.4	17.11	
November	5	5	5	0.2	2.86	
December	5	5	42	0.3	3.63	
<i>2015</i>						
January	5	5	26	0.2	3.02	
February	5	5	13	0.2	3.00	
March	5	5	7	0.2	2.71	
April	5	5	3	0.3	3.19	
May	5	5	2	0.6	7.30	
June	5	5	0	0.0	0.00	
Discharge from hospital alive						
<i>2014</i>						
July	5	5	15	15.9	204.64	
August	5	5	21	19.0	244.19	
September	5	5	42	17.0	218.64	
October	5	5	71	13.7	175.27	
November	5	5	150	6.7	86.14	
December	5	5	1,048	6.8	91.00	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	109,119		109,119	8,567.5	1.00
February	54,931		54,931	4,316.5	1.00
March	32,676		32,676	2,565.4	1.00
April	11,883		11,883	932.7	1.00
May	3,476		3,476	272.0	1.00
June	1,083		1,083	52.7	1.00
ILI - Treated Day After Diagnosis					
Hospitalization					
2014					
July	49		49	3.7	1.00
August	68		68	5.1	1.00
September	149		149	11.4	1.00
October	311		311	23.1	1.00
November	1,349		1,349	101.2	1.00
December	9,808		9,808	709.6	1.00
2015					
January	6,076		6,076	456.9	1.00
February	2,864		2,864	214.9	1.00
March	1,689		1,689	127.6	1.00
April	705		705	52.9	1.00
May	198		198	14.9	1.00
June	73		73	2.9	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, 2014 and June 30, 2015 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
2015						
January	5	5	923	8.5	107.73	
February	5	5	415	7.6	96.14	
March	5	5	271	8.3	105.64	
April	5	5	118	9.9	126.51	
May	5	5	30	8.6	110.29	
June	5	5	16	14.8	303.61	
ILI - Treated Day After Diagnosis						
Hospitalization						
2014						
July	5	5	0	0.0	0.00	
August	5	5	2	29.4	392.16	
September	5	5	0	0.0	0.00	
October	5	5	12	38.6	519.48	
November	5	5	22	16.3	217.39	
December	5	5	200	20.4	281.85	
2015						
January	5	5	130	21.4	284.53	
February	5	5	59	20.6	274.55	
March	5	5	28	16.6	219.44	
April	5	5	21	29.8	396.98	
May	5	5	6	30.3	402.68	
June	5	5	3	41.1	1,034.48	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2014</i>					
July	51		51	3.9	1.00
August	68		68	5.2	1.00
September	150		150	11.5	1.00
October	326		326	24.9	1.00
November	1,369		1,369	103.4	1.00
December	9,958		9,958	729.8	1.00
<i>2015</i>					
January	6,163		6,163	468.8	1.00
February	2,912		2,912	221.1	1.00
March	1,716		1,716	130.7	1.00
April	716		716	54.7	1.00
May	201		201	15.4	1.00
June	75		75	3.1	1.00
Supplemental oxygen					
<i>2014</i>					
July	49		49	3.7	1.00
August	54		54	4.1	1.00
September	137		137	10.4	1.00
October	303		303	23.2	1.00
November	1,264		1,264	94.7	1.00
December	9,210		9,210	671.0	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	1	3.1	40.16	
November	5	5	8	5.8	77.37	
December	5	5	24	2.4	32.89	
<i>2015</i>						
January	5	5	25	4.1	53.33	
February	5	5	10	3.4	45.23	
March	5	5	5	2.9	38.26	
April	5	5	2	2.8	36.56	
May	5	5	0	0.0	0.00	
June	5	5	1	13.3	322.58	
Supplemental oxygen						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	2	14.6	192.31	
October	5	5	0	0.0	0.00	
November	5	5	20	15.8	211.19	
December	5	5	107	11.6	159.46	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	5,806		5,806	437.5	1.00
February	2,726		2,726	205.0	1.00
March	1,620		1,620	121.7	1.00
April	642		642	48.6	1.00
May	182		182	13.8	1.00
June	73		73	3.1	1.00
Mechanical ventilation					
2014					
July	51		51	3.9	1.00
August	69		69	5.2	1.00
September	150		150	11.5	1.00
October	326		326	24.8	1.00
November	1,369		1,369	103.8	1.00
December	9,955		9,955	729.8	1.00
2015					
January	6,157		6,157	468.4	1.00
February	2,910		2,910	221.1	1.00
March	1,716		1,716	130.9	1.00
April	716		716	54.7	1.00
May	200		200	15.3	1.00
June	75		75	3.2	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, 2014 and June 30, 2015 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
2015						
January	5	5	88	15.2	201.14	
February	5	5	42	15.4	204.88	
March	5	5	35	21.6	287.59	
April	5	5	8	12.5	164.61	
May	5	5	2	11.0	144.93	
June	5	5	0	0.0	0.00	
Mechanical ventilation						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	2	6.1	80.65	
November	5	5	0	0.0	0.00	
December	5	5	12	1.2	16.44	
2015						
January	5	5	13	2.1	27.75	
February	5	5	5	1.7	22.61	
March	5	5	2	1.2	15.28	
April	5	5	1	1.4	18.28	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2014</i>					
July	47		47	3.5	1.00
August	68		68	5.1	1.00
September	143		143	11.0	1.00
October	310		310	23.1	1.00
November	1,347		1,347	101.4	1.00
December	9,773		9,773	709.7	1.00
<i>2015</i>					
January	6,055		6,055	457.3	1.00
February	2,852		2,852	215.0	1.00
March	1,683		1,683	127.6	1.00
April	697		697	52.4	1.00
May	195		195	14.7	1.00
June	73		73	2.9	1.00
ECMO					
<i>2014</i>					
July	51		51	3.9	1.00
August	69		69	5.2	1.00
September	150		150	11.5	1.00
October	326		326	24.9	1.00
November	1,369		1,369	103.8	1.00
December	9,961		9,961	730.9	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	2	29.4	392.16	
September	5	5	0	0.0	0.00	
October	5	5	10	32.3	432.90	
November	5	5	14	10.4	138.07	
December	5	5	140	14.3	197.27	
<i>2015</i>						
January	5	5	85	14.0	185.87	
February	5	5	41	14.4	190.70	
March	5	5	14	8.3	109.72	
April	5	5	16	23.0	305.34	
May	5	5	5	25.6	340.14	
June	5	5	3	41.1	1,034.48	
ECMO						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	0	0.0	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	6,163		6,163	469.5	1.00
February	2,912		2,912	221.5	1.00
March	1,717		1,717	131.1	1.00
April	716		716	54.8	1.00
May	201		201	15.4	1.00
June	75		75	3.2	1.00
Death					
2014					
July	51		51	3.9	1.00
August	69		69	5.2	1.00
September	150		150	11.5	1.00
October	326		326	24.9	1.00
November	1,369		1,369	103.8	1.00
December	9,961		9,961	730.4	1.00
2015					
January	6,161		6,161	469.0	1.00
February	2,912		2,912	221.4	1.00
March	1,717		1,717	131.0	1.00
April	716		716	54.8	1.00
May	201		201	15.4	1.00
June	75		75	3.2	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	0	0.0	0.00	
February	5	5	0	0.0	0.00	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Death						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	2	1.5	19.27	
December	5	5	16	1.6	21.91	
2015						
January	5	5	17	2.8	36.25	
February	5	5	2	0.7	9.03	
March	5	5	3	1.8	22.90	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	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, 2014 and June 30, 2015 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>2014</i>					
July	49		49	3.7	1.00
August	68		68	5.1	1.00
September	149		149	11.4	1.00
October	313		313	23.3	1.00
November	1,351		1,351	101.6	1.00
December	9,830		9,830	712.3	1.00
<i>2015</i>					
January	6,085		6,085	458.3	1.00
February	2,869		2,869	215.5	1.00
March	1,690		1,690	127.7	1.00
April	706		706	53.2	1.00
May	199		199	14.9	1.00
June	73		73	2.9	1.00
ILI - Treated 1-5 Days After Diagnosis					
Hospitalization					
<i>2014</i>					
July	66		66	4.7	1.00
August	88		88	6.5	1.00
September	180		180	13.5	1.00
October	367		367	27.1	1.00
November	1,663		1,663	123.6	1.00
December	12,119		12,119	867.2	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, 2014 and June 30, 2015 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>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	2	29.4	392.16	
September	5	5	0	0.0	0.00	
October	5	5	11	35.1	472.10	
November	5	5	18	13.3	177.17	
December	5	5	177	18.0	248.49	
<i>2015</i>						
January	5	5	117	19.2	255.29	
February	5	5	55	19.2	255.22	
March	5	5	26	15.4	203.60	
April	5	5	18	25.5	338.35	
May	5	5	7	35.2	469.80	
June	5	5	3	41.1	1,034.48	
ILI - Treated 1-5 Days After Diagnosis						
Hospitalization						
<i>2014</i>						
July	5	5	5	75.8	1,063.83	
August	5	5	2	22.7	307.69	
September	5	5	2	11.1	148.15	
October	5	5	13	35.4	479.70	
November	5	5	26	15.6	210.36	
December	5	5	284	23.4	327.49	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	7,492		7,492	555.9	1.00
February	3,526		3,526	261.4	1.00
March	2,118		2,118	157.9	1.00
April	892		892	66.1	1.00
May	244		244	18.2	1.00
June	100		100	4.0	1.00
BiPAP					
2014					
July	78		78	5.8	1.00
August	99		99	7.4	1.00
September	196		196	14.8	1.00
October	428		428	32.1	1.00
November	1,862		1,862	138.4	1.00
December	13,718		13,718	988.4	1.00
2015					
January	8,630		8,630	644.6	1.00
February	3,970		3,970	296.7	1.00
March	2,367		2,367	177.0	1.00
April	1,043		1,043	77.9	1.00
May	280		280	21.0	1.00
June	109		109	4.5	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, 2014 and June 30, 2015 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
2015						
January	5	5	184	24.6	330.99	
February	5	5	82	23.3	313.70	
March	5	5	40	18.9	253.32	
April	5	5	26	29.2	393.34	
May	5	5	6	24.6	329.67	
June	5	5	5	50.0	1,250.00	
BiPAP						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	3	7.0	93.46	
November	5	5	13	7.0	93.93	
December	5	5	48	3.5	48.56	
2015						
January	5	5	34	3.9	52.75	
February	5	5	15	3.8	50.56	
March	5	5	11	4.7	62.15	
April	5	5	11	10.6	141.21	
May	5	5	0	0.0	0.00	
June	5	5	1	9.2	222.22	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2014</i>					
July	71		71	5.3	1.00
August	84		84	6.2	1.00
September	172		172	12.8	1.00
October	397		397	29.8	1.00
November	1,706		1,706	125.8	1.00
December	12,481		12,481	892.0	1.00
<i>2015</i>					
January	7,997		7,997	590.7	1.00
February	3,658		3,658	270.4	1.00
March	2,187		2,187	161.7	1.00
April	927		927	68.3	1.00
May	252		252	18.7	1.00
June	102		102	4.3	1.00
Mechanical ventilation					
<i>2014</i>					
July	78		78	5.8	1.00
August	100		100	7.5	1.00
September	195		195	14.7	1.00
October	428		428	32.1	1.00
November	1,859		1,859	138.8	1.00
December	13,678		13,678	986.5	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	3	17.4	234.38	
October	5	5	3	7.6	100.67	
November	5	5	35	20.5	278.22	
December	5	5	209	16.8	234.30	
<i>2015</i>						
January	5	5	148	18.5	250.55	
February	5	5	66	18.0	244.08	
March	5	5	48	22.0	296.85	
April	5	5	18	19.4	263.54	
May	5	5	4	15.9	213.90	
June	5	5	0	0.0	0.00	
Mechanical ventilation						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	2	4.7	62.31	
November	5	5	2	1.1	14.41	
December	5	5	23	1.7	23.31	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	8,604		8,604	642.6	1.00
February	3,964		3,964	296.4	1.00
March	2,364		2,364	177.3	1.00
April	1,036		1,036	77.5	1.00
May	279		279	21.0	1.00
June	109		109	4.5	1.00
Critical Care					
2014					
July	65		65	4.6	1.00
August	90		90	6.6	1.00
September	175		175	13.1	1.00
October	380		380	28.0	1.00
November	1,684		1,684	125.6	1.00
December	12,315		12,315	883.4	1.00
2015					
January	7,669		7,669	570.8	1.00
February	3,565		3,565	265.4	1.00
March	2,150		2,150	160.9	1.00
April	895		895	66.4	1.00
May	250		250	18.6	1.00
June	101		101	4.0	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	28	3.3	43.57	
February	5	5	7	1.8	23.62	
March	5	5	2	0.9	11.28	
April	5	5	1	1.0	12.90	
May	5	5	0	0.0	0.00	
June	5	5	2	18.4	444.44	
Critical Care						
2014						
July	5	5	5	76.9	1,086.96	
August	5	5	4	44.4	606.06	
September	5	5	2	11.4	152.67	
October	5	5	13	34.2	464.29	
November	5	5	16	9.5	127.39	
December	5	5	214	17.4	242.25	
2015						
January	5	5	133	17.3	233.01	
February	5	5	60	16.8	226.07	
March	5	5	22	10.2	136.73	
April	5	5	19	21.2	286.14	
May	5	5	6	24.0	322.58	
June	5	5	5	49.5	1,250.00	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2014</i>					
July	78		78	5.8	1.00
August	100		100	7.5	1.00
September	196		196	14.8	1.00
October	428		428	32.2	1.00
November	1,862		1,862	139.1	1.00
December	13,728		13,728	991.0	1.00
<i>2015</i>					
January	8,638		8,638	646.3	1.00
February	3,971		3,971	297.3	1.00
March	2,368		2,368	177.7	1.00
April	1,043		1,043	78.1	1.00
May	280		280	21.0	1.00
June	109		109	4.6	1.00
Death					
<i>2014</i>					
July	78		78	5.8	1.00
August	100		100	7.5	1.00
September	196		196	14.8	1.00
October	428		428	32.2	1.00
November	1,862		1,862	139.0	1.00
December	13,728		13,728	990.0	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	0	0.0	0.00	
<i>2015</i>						
January	5	5	0	0.0	0.00	
February	5	5	0	0.0	0.00	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Death						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	2	4.7	62.11	
November	5	5	4	2.2	28.78	
December	5	5	38	2.8	38.38	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	8,636		8,636	645.5	1.00
February	3,971		3,971	297.2	1.00
March	2,368		2,368	177.6	1.00
April	1,043		1,043	78.1	1.00
May	280		280	21.0	1.00
June	109		109	4.6	1.00
Discharge from hospital alive					
2014					
July	66		66	4.7	1.00
August	88		88	6.5	1.00
September	180		180	13.5	1.00
October	373		373	27.6	1.00
November	1,689		1,689	125.5	1.00
December	12,312		12,312	881.1	1.00
2015					
January	7,635		7,635	566.7	1.00
February	3,574		3,574	264.8	1.00
March	2,132		2,132	159.1	1.00
April	900		900	66.7	1.00
May	247		247	18.4	1.00
June	100		100	4.0	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	25	2.9	38.73	
February	5	5	4	1.0	13.46	
March	5	5	8	3.4	45.05	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Discharge from hospital alive						
2014						
July	5	5	5	75.8	1,063.83	
August	5	5	2	22.7	307.69	
September	5	5	2	11.1	148.15	
October	5	5	12	32.2	434.78	
November	5	5	26	15.4	207.17	
December	5	5	264	21.4	299.63	
2015						
January	5	5	172	22.5	303.51	
February	5	5	86	24.1	324.77	
March	5	5	35	16.4	219.99	
April	5	5	26	28.9	389.81	
May	5	5	7	28.3	380.43	
June	5	5	5	50.0	1,250.00	

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, 2014 and June 30, 2015 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>2014</i>					
July	2,628		2,628	169.2	0.00
August	2,667		2,667	173.0	0.00
September	5,294		5,294	342.1	0.00
October	8,478		8,478	550.1	0.00
November	16,664		16,664	1,081.5	0.00
December	90,595		90,595	5,664.8	0.00
<i>2015</i>					
January	77,033		77,033	5,003.5	0.00
February	42,864		42,864	2,788.3	0.00
March	30,899		30,899	2,009.3	0.00
April	14,746		14,746	959.7	0.00
May	6,097		6,097	395.6	0.00
June	2,733		2,733	102.4	0.00
BiPAP					
<i>2014</i>					
July	2,727		2,727	177.3	0.00
August	2,777		2,777	181.1	0.00
September	5,468		5,468	355.3	0.00
October	8,739		8,739	570.2	0.00
November	17,118		17,118	1,114.5	0.00
December	93,584		93,584	5,871.6	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, 2014 and June 30, 2015 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>2014</i>						
July	0	-	51	19.4	301.42	
August	0	-	39	14.6	225.43	
September	0	-	76	14.4	222.16	
October	0	-	116	13.7	210.87	
November	0	-	146	8.8	135.00	
December	0	-	745	8.2	131.51	
<i>2015</i>						
January	0	-	726	9.4	145.10	
February	0	-	330	7.7	118.35	
March	0	-	238	7.7	118.45	
April	0	-	125	8.5	130.25	
May	0	-	73	12.0	184.53	
June	0	-	31	11.3	302.73	
BiPAP						
<i>2014</i>						
July	0	-	7	2.6	39.48	
August	0	-	11	4.0	60.74	
September	0	-	18	3.3	50.66	
October	0	-	39	4.5	68.40	
November	0	-	48	2.8	43.07	
December	0	-	227	2.4	38.66	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	79,448		79,448	5,177.3	0.00
February	43,858		43,858	2,858.9	0.00
March	31,600		31,600	2,059.9	0.00
April	15,145		15,145	988.4	0.00
May	6,284		6,284	409.4	0.00
June	2,820		2,820	106.4	0.00
Supplemental oxygen					
2014					
July	2,652		2,652	172.0	0.00
August	2,702		2,702	175.4	0.00
September	5,313		5,313	344.1	0.00
October	8,453		8,453	550.3	0.00
November	16,576		16,576	1,076.2	0.00
December	90,232		90,232	5,643.7	0.00
2015					
January	76,859		76,859	4,993.6	0.00
February	42,485		42,485	2,764.0	0.00
March	30,615		30,615	1,989.4	0.00
April	14,576		14,576	948.8	0.00
May	6,042		6,042	391.6	0.00
June	2,730		2,730	102.9	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, 2014 and June 30, 2015 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
2015						
January	0	-	236	3.0	45.58	
February	0	-	116	2.6	40.58	
March	0	-	97	3.1	47.09	
April	0	-	46	3.0	46.54	
May	0	-	21	3.3	51.29	
June	0	-	5	1.8	46.99	
Supplemental oxygen						
2014						
July	0	-	15	5.7	87.21	
August	0	-	31	11.5	176.74	
September	0	-	47	8.9	136.59	
October	0	-	64	7.6	116.30	
November	0	-	121	7.3	112.43	
December	0	-	647	7.2	114.64	
2015						
January	0	-	583	7.6	116.75	
February	0	-	263	6.2	95.15	
March	0	-	220	7.2	110.59	
April	0	-	109	7.5	114.88	
May	0	-	51	8.4	130.23	
June	0	-	6	2.2	58.31	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2014</i>					
July	2,721		2,721	176.8	0.00
August	2,766		2,766	180.6	0.00
September	5,460		5,460	355.1	0.00
October	8,718		8,718	569.5	0.00
November	17,080		17,080	1,113.2	0.00
December	93,299		93,299	5,859.5	0.00
<i>2015</i>					
January	79,264		79,264	5,171.4	0.00
February	43,771		43,771	2,857.3	0.00
March	31,552		31,552	2,059.2	0.00
April	15,115		15,115	987.7	0.00
May	6,274		6,274	409.1	0.00
June	2,814		2,814	106.2	0.00
Critical Care					
<i>2014</i>					
July	2,597		2,597	167.7	0.00
August	2,665		2,665	173.4	0.00
September	5,306		5,306	343.9	0.00
October	8,477		8,477	551.0	0.00
November	16,664		16,664	1,083.2	0.00
December	90,741		90,741	5,681.5	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2014</i>						
July	0	-	8	2.9	45.25	
August	0	-	4	1.5	22.15	
September	0	-	8	1.5	22.53	
October	0	-	13	1.5	22.83	
November	0	-	17	1.0	15.27	
December	0	-	60	0.6	10.24	
<i>2015</i>						
January	0	-	86	1.1	16.63	
February	0	-	34	0.8	11.90	
March	0	-	27	0.9	13.11	
April	0	-	15	1.0	15.19	
May	0	-	5	0.8	12.22	
June	0	-	3	1.1	28.25	
Critical Care						
<i>2014</i>						
July	0	-	44	16.9	262.37	
August	0	-	30	11.3	173.01	
September	0	-	48	9.1	139.58	
October	0	-	85	10.0	154.26	
November	0	-	103	6.2	95.09	
December	0	-	540	6.0	95.05	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	77,154		77,154	5,019.5	0.00
February	42,919		42,919	2,793.5	0.00
March	30,908		30,908	2,012.4	0.00
April	14,732		14,732	959.7	0.00
May	6,073		6,073	395.5	0.00
June	2,728		2,728	102.4	0.00
ECMO					
2014					
July	2,730		2,730	177.7	0.00
August	2,779		2,779	181.5	0.00
September	5,478		5,478	356.5	0.00
October	8,745		8,745	571.7	0.00
November	17,132		17,132	1,117.0	0.00
December	93,652		93,652	5,882.7	0.00
2015					
January	79,508		79,508	5,189.1	0.00
February	43,885		43,885	2,865.0	0.00
March	31,631		31,631	2,064.7	0.00
April	15,158		15,158	990.8	0.00
May	6,287		6,287	410.2	0.00
June	2,824		2,824	106.7	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, 2014 and June 30, 2015 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
2015						
January	0	-	505	6.6	100.61	
February	0	-	277	6.5	99.16	
March	0	-	169	5.5	83.98	
April	0	-	100	6.8	104.20	
May	0	-	42	6.9	106.19	
June	0	-	28	10.3	273.44	
ECMO						
2014						
July	0	-	0	0.0	0.00	
August	0	-	0	0.0	0.00	
September	0	-	0	0.0	0.00	
October	0	-	0	0.0	0.00	
November	0	-	0	0.0	0.00	
December	0	-	0	0.0	0.00	
2015						
January	0	-	1	0.0	0.19	
February	0	-	0	0.0	0.00	
March	0	-	0	0.0	0.00	
April	0	-	0	0.0	0.00	
May	0	-	0	0.0	0.00	
June	0	-	0	0.0	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2014</i>					
July	2,730		2,730	177.5	0.00
August	2,777		2,777	181.3	0.00
September	5,471		5,471	356.0	0.00
October	8,739		8,739	571.0	0.00
November	17,120		17,120	1,115.9	0.00
December	93,561		93,561	5,874.3	0.00
<i>2015</i>					
January	79,397		79,397	5,179.3	0.00
February	43,844		43,844	2,861.0	0.00
March	31,608		31,608	2,062.2	0.00
April	15,151		15,151	989.8	0.00
May	6,277		6,277	409.1	0.00
June	2,822		2,822	106.5	0.00
Discharge from hospital alive					
<i>2014</i>					
July	2,641		2,641	170.0	0.00
August	2,678		2,678	173.8	0.00
September	5,303		5,303	343.1	0.00
October	8,521		8,521	552.7	0.00
November	16,719		16,719	1,085.6	0.00
December	91,005		91,005	5,690.4	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2014</i>						
July	0	-	11	4.0	61.97	
August	0	-	8	2.9	44.13	
September	0	-	10	1.8	28.09	
October	0	-	14	1.6	24.52	
November	0	-	33	1.9	29.57	
December	0	-	200	2.1	34.05	
<i>2015</i>						
January	0	-	224	2.8	43.25	
February	0	-	91	2.1	31.81	
March	0	-	57	1.8	27.64	
April	0	-	32	2.1	32.33	
May	0	-	27	4.3	66.00	
June	0	-	0	0.0	0.00	
Discharge from hospital alive						
<i>2014</i>						
July	0	-	51	19.3	300.00	
August	0	-	38	14.2	218.64	
September	0	-	63	11.9	183.62	
October	0	-	121	14.2	218.93	
November	0	-	131	7.8	120.67	
December	0	-	702	7.7	123.37	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	77,362		77,362	5,025.5	0.00
February	42,990		42,990	2,796.2	0.00
March	30,981		30,981	2,014.7	0.00
April	14,812		14,812	964.0	0.00
May	6,113		6,113	397.0	0.00
June	2,746		2,746	102.9	0.00
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
2014					
July	114		114		
August	125		125		
September	200		200		
October	329		329		
November	665		665		
December	4,781		4,781		
2015					
January	3,602		3,602		
February	1,458		1,458		
March	976		976		
April	560		560		
May	226		226		
June	126		126		

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, 2014 and June 30, 2015 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
2015						
January	0	-	666	8.6	132.52	
February	0	-	300	7.0	107.29	
March	0	-	217	7.0	107.71	
April	0	-	115	7.8	119.29	
May	0	-	59	9.7	148.61	
June	0	-	30	10.9	291.55	
ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2014</i>					
July	3		3		
August	2		2		
September	10		10		
October	6		6		
November	14		14		
December	82		82		
<i>2015</i>					
January	67		67		
February	30		30		
March	31		31		
April	14		14		
May	3		3		
June	4		4		
Supplemental oxygen					
<i>2014</i>					
July	85		85		
August	93		93		
September	189		189		
October	324		324		
November	701		701		
December	4,721		4,721		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	3,271		3,271		
February	1,701		1,701		
March	1,190		1,190		
April	696		696		
May	273		273		
June	112		112		
Mechanical ventilation					
2014					
July	9		9		
August	13		13		
September	19		19		
October	27		27		
November	55		55		
December	419		419		
2015					
January	277		277		
February	126		126		
March	83		83		
April	52		52		
May	14		14		
June	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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2014</i>					
July	146		146		
August	125		125		
September	195		195		
October	316		316		
November	640		640		
December	4,414		4,414		
<i>2015</i>					
January	3,305		3,305		
February	1,363		1,363		
March	934		934		
April	572		572		
May	246		246		
June	129		129		
ECMO					
<i>2014</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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
ECMO						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	1		1		
February	3		3		
March	0		0		
April	1		1		
May	0		0		
June	0		0		
Death					
2014					
July	0		0		
August	2		2		
September	9		9		
October	6		6		
November	12		12		
December	124		124		
2015					
January	122		122		
February	51		51		
March	27		27		
April	8		8		
May	12		12		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Death						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 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>2014</i>					
July	101		101		
August	113		113		
September	191		191		
October	280		280		
November	585		585		
December	4,153		4,153		
<i>2015</i>					
January	3,133		3,133		
February	1,284		1,284		
March	881		881		
April	488		488		
May	207		207		
June	109		109		
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
<i>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	2		2		
November	2		2		
December	80		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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
ILI - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	44		44		
February	15		15		
March	14		14		
April	6		6		
May	2		2		
June	0		0		
BiPAP					
2014					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	2		2		
December	14		14		
2015					
January	10		10		
February	8		8		
March	4		4		
April	1		1		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
BiPAP						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2014</i>					
July	15		15		
August	24		24		
September	52		52		
October	108		108		
November	436		436		
December	2,783		2,783		
<i>2015</i>					
January	1,956		1,956		
February	991		991		
March	630		630		
April	241		241		
May	96		96		
June	28		28		
Mechanical ventilation					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	4		4		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Critical Care					
2014					
July	0		0		
August	2		2		
September	1		1		
October	6		6		
November	3		3		
December	83		83		
2015					
January	56		56		
February	14		14		
March	14		14		
April	8		8		
May	3		3		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Critical Care						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2015</i>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Death					
<i>2014</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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Death						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Discharge from hospital alive					
2014					
July	0		0		
August	1		1		
September	0		0		
October	2		2		
November	2		2		
December	71		71		
2015					
January	40		40		
February	15		15		
March	14		14		
April	6		6		
May	2		2		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 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>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	0		0		
November	2		2		
December	38		38		
<i>2015</i>					
January	25		25		
February	13		13		
March	7		7		
April	5		5		
May	1		1		
June	0		0		
BiPAP					
<i>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	0		0		
November	0		0		
December	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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
BiPAP						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	2		2		
February	1		1		
March	1		1		
April	0		0		
May	0		0		
June	0		0		
Supplemental oxygen					
2014					
July	0		0		
August	0		0		
September	0		0		
October	3		3		
November	13		13		
December	57		57		
2015					
January	27		27		
February	17		17		
March	8		8		
April	4		4		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	5		5		
<i>2015</i>					
January	4		4		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Critical Care					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	6		6		
December	53		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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Critical Care						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	30		30		
February	17		17		
March	10		10		
April	6		6		
May	0		0		
June	0		0		
ECMO					
2014					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2015					
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
ECMO						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2015</i>					
January	2		2		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Discharge from hospital alive					
<i>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	0		0		
November	1		1		
December	27		27		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	18		18		
February	11		11		
March	6		6		
April	3		3		
May	0		0		
June	0		0		
P and I - Treated Day of Diagnosis					
Hospitalization					
2014					
July	947		947	73.3	1.00
August	1,110		1,110	86.3	1.00
September	2,486		2,486	192.9	1.00
October	5,209		5,209	406.0	1.00
November	22,263		22,263	1,741.6	1.00
December	153,130		153,130	11,510.2	1.00
2015					
January	109,299		109,299	8,578.0	1.00
February	55,017		55,017	4,321.9	1.00
March	32,721		32,721	2,568.0	1.00
April	11,916		11,916	935.0	1.00
May	3,492		3,492	273.1	1.00
June	1,094		1,094	53.3	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2015						
January						
February						
March						
April						
May						
June						
P and I - Treated Day of Diagnosis						
Hospitalization						
2014						
July	5	5	20	21.1	272.85	
August	5	5	22	19.8	254.92	
September	5	5	50	20.1	259.20	
October	5	5	74	14.2	182.27	
November	5	5	164	7.4	94.17	
December	5	5	1,115	7.3	96.87	
2015						
January	5	5	991	9.1	115.53	
February	5	5	449	8.2	103.89	
March	5	5	289	8.8	112.54	
April	5	5	122	10.2	130.48	
May	5	5	32	9.2	117.17	
June	5	5	16	14.6	300.19	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2014</i>					
July	947		947	74.1	1.00
August	1,111		1,111	87.4	1.00
September	2,485		2,485	195.4	1.00
October	5,213		5,213	409.7	1.00
November	22,263		22,263	1,748.4	1.00
December	153,203		153,203	11,553.0	1.00
<i>2015</i>					
January	109,344		109,344	8,618.7	1.00
February	55,028		55,028	4,339.9	1.00
March	32,736		32,736	2,580.4	1.00
April	11,922		11,922	940.5	1.00
May	3,495		3,495	274.7	1.00
June	1,094		1,094	53.7	1.00
Supplemental oxygen					
<i>2014</i>					
July	932		932	72.7	1.00
August	1,088		1,088	85.1	1.00
September	2,433		2,433	189.8	1.00
October	5,105		5,105	399.0	1.00
November	21,829		21,829	1,707.0	1.00
December	150,429		150,429	11,304.3	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2014</i>						
July	5	5	10	10.6	134.95	
August	5	5	8	7.2	91.53	
September	5	5	6	2.4	30.71	
October	5	5	18	3.5	43.93	
November	5	5	49	2.2	28.03	
December	5	5	451	2.9	39.04	
<i>2015</i>						
January	5	5	327	3.0	37.94	
February	5	5	139	2.5	32.03	
March	5	5	86	2.6	33.33	
April	5	5	35	2.9	37.21	
May	5	5	13	3.7	47.32	
June	5	5	2	1.8	37.24	
Supplemental oxygen						
<i>2014</i>						
July	5	5	9	9.7	123.80	
August	5	5	18	16.5	211.52	
September	5	5	36	14.8	189.67	
October	5	5	55	10.8	137.84	
November	5	5	176	8.1	103.10	
December	5	5	1,151	7.7	101.82	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	107,351		107,351	8,422.1	1.00
February	54,040		54,040	4,240.5	1.00
March	32,099		32,099	2,516.5	1.00
April	11,678		11,678	914.2	1.00
May	3,397		3,397	265.3	1.00
June	1,067		1,067	52.4	1.00
Mechanical ventilation					
2014					
July	947		947	74.1	1.00
August	1,111		1,111	87.7	1.00
September	2,486		2,486	195.5	1.00
October	5,213		5,213	410.2	1.00
November	22,264		22,264	1,749.7	1.00
December	153,212		153,212	11,567.8	1.00
2015					
January	109,349		109,349	8,628.5	1.00
February	55,035		55,035	4,344.1	1.00
March	32,739		32,739	2,583.4	1.00
April	11,923		11,923	941.5	1.00
May	3,496		3,496	275.2	1.00
June	1,094		1,094	53.7	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, 2014 and June 30, 2015 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
2015						
January	5	5	1,031	9.6	122.42	
February	5	5	501	9.3	118.15	
March	5	5	303	9.4	120.41	
April	5	5	147	12.6	160.80	
May	5	5	40	11.8	150.77	
June	5	5	8	7.5	152.67	
Mechanical ventilation						
2014						
July	5	5	5	5.3	67.48	
August	5	5	0	0.0	0.00	
September	5	5	6	2.4	30.69	
October	5	5	5	1.0	12.19	
November	5	5	8	0.4	4.57	
December	5	5	57	0.4	4.93	
2015						
January	5	5	66	0.6	7.65	
February	5	5	39	0.7	8.98	
March	5	5	15	0.5	5.81	
April	5	5	12	1.0	12.75	
May	5	5	2	0.6	7.27	
June	5	5	1	0.9	18.62	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2014</i>					
July	947		947	73.5	1.00
August	1,109		1,109	86.5	1.00
September	2,485		2,485	193.3	1.00
October	5,208		5,208	406.7	1.00
November	22,262		22,262	1,743.8	1.00
December	153,129		153,129	11,524.7	1.00
<i>2015</i>					
January	109,286		109,286	8,593.4	1.00
February	55,018		55,018	4,329.5	1.00
March	32,723		32,723	2,572.0	1.00
April	11,915		11,915	936.4	1.00
May	3,490		3,490	273.5	1.00
June	1,093		1,093	53.5	1.00
ECMO					
<i>2014</i>					
July	947		947	74.4	1.00
August	1,111		1,111	87.7	1.00
September	2,486		2,486	195.7	1.00
October	5,213		5,213	410.5	1.00
November	22,265		22,265	1,750.0	1.00
December	153,217		153,217	11,570.8	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2014</i>						
July	5	5	16	16.9	217.69	
August	5	5	18	16.2	208.09	
September	5	5	43	17.3	222.45	
October	5	5	58	11.1	142.61	
November	5	5	115	5.2	65.95	
December	5	5	789	5.2	68.46	
<i>2015</i>						
January	5	5	640	5.9	74.48	
February	5	5	292	5.3	67.44	
March	5	5	207	6.3	80.48	
April	5	5	97	8.1	103.59	
May	5	5	24	6.9	87.75	
June	5	5	10	9.2	186.92	
ECMO						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	1	0.0	0.09	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	109,354		109,354	8,632.2	1.00
February	55,036		55,036	4,346.0	1.00
March	32,740		32,740	2,584.3	1.00
April	11,923		11,923	942.1	1.00
May	3,496		3,496	275.3	1.00
June	1,094		1,094	53.7	1.00
Death					
2014					
July	947		947	74.3	1.00
August	1,111		1,111	87.7	1.00
September	2,486		2,486	195.7	1.00
October	5,213		5,213	410.3	1.00
November	22,265		22,265	1,749.9	1.00
December	153,217		153,217	11,569.9	1.00
2015					
January	109,354		109,354	8,631.2	1.00
February	55,036		55,036	4,345.9	1.00
March	32,740		32,740	2,584.3	1.00
April	11,923		11,923	941.9	1.00
May	3,496		3,496	275.3	1.00
June	1,094		1,094	53.7	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	1	0.0	0.12	
February	5	5	3	0.1	0.69	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Death						
2014						
July	5	5	2	2.1	26.92	
August	5	5	0	0.0	0.00	
September	5	5	5	2.0	25.55	
October	5	5	7	1.3	17.06	
November	5	5	5	0.2	2.86	
December	5	5	40	0.3	3.46	
2015						
January	5	5	37	0.3	4.29	
February	5	5	18	0.3	4.14	
March	5	5	7	0.2	2.71	
April	5	5	5	0.4	5.31	
May	5	5	2	0.6	7.26	
June	5	5	0	0.0	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, 2014 and June 30, 2015 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>2014</i>					
July	947		947	73.5	1.00
August	1,110		1,110	86.4	1.00
September	2,486		2,486	193.2	1.00
October	5,209		5,209	406.2	1.00
November	22,263		22,263	1,742.2	1.00
December	153,139		153,139	11,513.9	1.00
<i>2015</i>					
January	109,307		109,307	8,581.1	1.00
February	55,017		55,017	4,322.8	1.00
March	32,721		32,721	2,568.8	1.00
April	11,916		11,916	935.2	1.00
May	3,492		3,492	273.2	1.00
June	1,094		1,094	53.3	1.00
P and I - Treated After Day of Diagnosis					
Hospitalization					
<i>2014</i>					
July	49		49	3.7	1.00
August	71		71	5.3	1.00
September	153		153	11.7	1.00
October	314		314	23.3	1.00
November	1,356		1,356	101.8	1.00
December	9,884		9,884	714.2	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
Discharge from hospital alive						
<i>2014</i>						
July	5	5	16	16.9	217.69	
August	5	5	21	18.9	243.06	
September	5	5	43	17.3	222.57	
October	5	5	71	13.6	174.79	
November	5	5	152	6.8	87.25	
December	5	5	1,055	6.9	91.63	
<i>2015</i>						
January	5	5	933	8.5	108.73	
February	5	5	421	7.7	97.39	
March	5	5	274	8.4	106.66	
April	5	5	117	9.8	125.11	
May	5	5	31	8.9	113.47	
June	5	5	16	14.6	300.19	
P and I - Treated After Day of Diagnosis						
Hospitalization						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	2	28.2	377.36	
September	5	5	0	0.0	0.00	
October	5	5	12	38.2	515.02	
November	5	5	22	16.2	216.11	
December	5	5	212	21.5	296.84	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	6,150		6,150	462.7	1.00
February	2,904		2,904	218.0	1.00
March	1,717		1,717	129.5	1.00
April	721		721	54.1	1.00
May	204		204	15.3	1.00
June	73		73	2.9	1.00
BiPAP					
2014					
July	51		51	3.9	1.00
August	71		71	5.4	1.00
September	154		154	11.8	1.00
October	330		330	25.2	1.00
November	1,378		1,378	104.1	1.00
December	10,047		10,047	736.0	1.00
2015					
January	6,245		6,245	475.0	1.00
February	2,962		2,962	224.9	1.00
March	1,745		1,745	132.9	1.00
April	733		733	56.0	1.00
May	207		207	15.9	1.00
June	75		75	3.1	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, 2014 and June 30, 2015 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
2015						
January	5	5	126	20.5	272.31	
February	5	5	59	20.3	270.64	
March	5	5	30	17.5	231.66	
April	5	5	22	30.5	406.65	
May	5	5	7	34.3	457.52	
June	5	5	3	41.1	1,034.48	
BiPAP						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	1	3.0	39.68	
November	5	5	7	5.1	67.24	
December	5	5	23	2.3	31.25	
2015						
January	5	5	25	4.0	52.63	
February	5	5	10	3.4	44.46	
March	5	5	5	2.9	37.62	
April	5	5	2	2.7	35.71	
May	5	5	0	0.0	0.00	
June	5	5	1	13.3	322.58	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2014</i>					
July	48		48	3.6	1.00
August	56		56	4.2	1.00
September	141		141	10.7	1.00
October	306		306	23.4	1.00
November	1,273		1,273	95.4	1.00
December	9,301		9,301	677.4	1.00
<i>2015</i>					
January	5,888		5,888	443.5	1.00
February	2,768		2,768	208.5	1.00
March	1,641		1,641	123.4	1.00
April	657		657	49.7	1.00
May	188		188	14.3	1.00
June	73		73	3.1	1.00
Mechanical ventilation					
<i>2014</i>					
July	51		51	3.9	1.00
August	72		72	5.5	1.00
September	154		154	11.8	1.00
October	330		330	25.1	1.00
November	1,378		1,378	104.5	1.00
December	10,043		10,043	735.8	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	2	14.2	186.92	
October	5	5	0	0.0	0.00	
November	5	5	21	16.5	220.13	
December	5	5	107	11.5	157.96	
<i>2015</i>						
January	5	5	92	15.6	207.44	
February	5	5	38	13.7	182.25	
March	5	5	32	19.5	259.32	
April	5	5	8	12.2	160.97	
May	5	5	2	10.6	139.86	
June	5	5	0	0.0	0.00	
Mechanical ventilation						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	2	6.1	79.68	
November	5	5	0	0.0	0.00	
December	5	5	18	1.8	24.46	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	6,239		6,239	474.7	1.00
February	2,960		2,960	224.9	1.00
March	1,744		1,744	133.0	1.00
April	733		733	56.0	1.00
May	206		206	15.8	1.00
June	75		75	3.2	1.00
Critical Care					
2014					
July	48		48	3.6	1.00
August	71		71	5.3	1.00
September	147		147	11.3	1.00
October	314		314	23.4	1.00
November	1,356		1,356	102.1	1.00
December	9,851		9,851	714.7	1.00
2015					
January	6,138		6,138	463.8	1.00
February	2,905		2,905	219.1	1.00
March	1,711		1,711	129.8	1.00
April	714		714	53.7	1.00
May	201		201	15.1	1.00
June	73		73	2.9	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	12	1.9	25.28	
February	5	5	5	1.7	22.23	
March	5	5	2	1.2	15.04	
April	5	5	1	1.4	17.86	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Critical Care						
2014						
July	5	5	0	0.0	0.00	
August	5	5	2	28.2	377.36	
September	5	5	0	0.0	0.00	
October	5	5	11	35.0	470.09	
November	5	5	14	10.3	137.12	
December	5	5	151	15.3	211.28	
2015						
January	5	5	81	13.2	174.64	
February	5	5	41	14.1	187.13	
March	5	5	13	7.6	100.15	
April	5	5	17	23.8	316.57	
May	5	5	6	29.9	397.35	
June	5	5	3	41.1	1,034.48	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2014</i>					
July	51		51	3.9	1.00
August	72		72	5.5	1.00
September	154		154	11.8	1.00
October	330		330	25.2	1.00
November	1,378		1,378	104.5	1.00
December	10,050		10,050	737.2	1.00
<i>2015</i>					
January	6,245		6,245	475.8	1.00
February	2,962		2,962	225.3	1.00
March	1,746		1,746	133.2	1.00
April	733		733	56.1	1.00
May	207		207	15.9	1.00
June	75		75	3.2	1.00
Death					
<i>2014</i>					
July	51		51	3.9	1.00
August	72		72	5.5	1.00
September	154		154	11.8	1.00
October	330		330	25.2	1.00
November	1,378		1,378	104.5	1.00
December	10,050		10,050	736.7	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	0	0.0	0.00	
<i>2015</i>						
January	5	5	0	0.0	0.00	
February	5	5	0	0.0	0.00	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Death						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	2	1.5	19.14	
December	5	5	19	1.9	25.79	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	6,243		6,243	475.3	1.00
February	2,962		2,962	225.3	1.00
March	1,746		1,746	133.2	1.00
April	733		733	56.1	1.00
May	207		207	15.9	1.00
June	75		75	3.2	1.00
Discharge from hospital alive					
2014					
July	49		49	3.7	1.00
August	71		71	5.3	1.00
September	153		153	11.7	1.00
October	316		316	23.5	1.00
November	1,358		1,358	102.1	1.00
December	9,906		9,906	717.1	1.00
2015					
January	6,159		6,159	464.0	1.00
February	2,909		2,909	218.6	1.00
March	1,718		1,718	129.7	1.00
April	722		722	54.4	1.00
May	205		205	15.3	1.00
June	73		73	2.9	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	18	2.9	37.87	
February	5	5	2	0.7	8.88	
March	5	5	5	2.9	37.54	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Discharge from hospital alive						
2014						
July	5	5	0	0.0	0.00	
August	5	5	2	28.2	377.36	
September	5	5	0	0.0	0.00	
October	5	5	11	34.8	468.09	
November	5	5	18	13.3	176.30	
December	5	5	186	18.8	259.38	
2015						
January	5	5	115	18.7	247.84	
February	5	5	55	18.9	251.60	
March	5	5	28	16.3	215.88	
April	5	5	19	26.3	349.26	
May	5	5	8	39.0	522.88	
June	5	5	3	41.1	1,034.48	

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, 2014 and June 30, 2015 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>2014</i>					
July	67		67	4.7	1.00
August	95		95	7.0	1.00
September	194		194	14.5	1.00
October	382		382	28.2	1.00
November	1,681		1,681	124.8	1.00
December	12,267		12,267	876.8	1.00
<i>2015</i>					
January	7,713		7,713	571.3	1.00
February	3,618		3,618	268.0	1.00
March	2,187		2,187	162.6	1.00
April	922		922	68.2	1.00
May	252		252	18.7	1.00
June	101		101	4.0	1.00
BiPAP					
<i>2014</i>					
July	85		85	6.3	1.00
August	114		114	8.5	1.00
September	216		216	16.1	1.00
October	460		460	34.4	1.00
November	1,919		1,919	142.2	1.00
December	14,060		14,060	1,011.6	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, 2014 and June 30, 2015 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>2014</i>						
July	5	5	5	74.6	1,063.83	
August	5	5	2	21.1	285.71	
September	5	5	4	20.6	275.86	
October	5	5	12	31.4	425.53	
November	5	5	27	16.1	216.35	
December	5	5	295	24.1	336.45	
<i>2015</i>						
January	5	5	195	25.3	341.33	
February	5	5	86	23.8	320.90	
March	5	5	44	20.1	270.60	
April	5	5	29	31.5	425.22	
May	5	5	7	27.8	374.33	
June	5	5	3	29.7	750.00	
BiPAP						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	2	9.3	124.22	
October	5	5	3	6.5	87.21	
November	5	5	14	7.3	98.45	
December	5	5	49	3.5	48.44	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	9,050		9,050	674.5	1.00
February	4,174		4,174	311.3	1.00
March	2,500		2,500	186.5	1.00
April	1,105		1,105	82.4	1.00
May	297		297	22.3	1.00
June	120		120	4.9	1.00
Supplemental oxygen					
2014					
July	77		77	5.7	1.00
August	97		97	7.1	1.00
September	188		188	14.0	1.00
October	426		426	31.7	1.00
November	1,753		1,753	128.8	1.00
December	12,802		12,802	914.1	1.00
2015					
January	8,373		8,373	617.0	1.00
February	3,837		3,837	283.0	1.00
March	2,296		2,296	169.6	1.00
April	979		979	72.1	1.00
May	268		268	19.9	1.00
June	109		109	4.6	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	34	3.8	50.41	
February	5	5	17	4.1	54.61	
March	5	5	11	4.4	58.98	
April	5	5	11	10.0	133.50	
May	5	5	0	0.0	0.00	
June	5	5	1	8.3	204.08	
Supplemental oxygen						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	3	16.0	214.29	
October	5	5	4	9.4	126.18	
November	5	5	43	24.5	333.85	
December	5	5	210	16.4	229.73	
2015						
January	5	5	158	18.9	256.08	
February	5	5	70	18.2	247.35	
March	5	5	46	20.0	271.23	
April	5	5	18	18.4	249.65	
May	5	5	4	14.9	201.01	
June	5	5	0	0.0	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2014</i>					
July	85		85	6.3	1.00
August	115		115	8.5	1.00
September	215		215	16.2	1.00
October	460		460	34.3	1.00
November	1,918		1,918	142.7	1.00
December	14,008		14,008	1,008.9	1.00
<i>2015</i>					
January	9,006		9,006	671.2	1.00
February	4,160		4,160	310.6	1.00
March	2,493		2,493	186.5	1.00
April	1,098		1,098	82.0	1.00
May	296		296	22.2	1.00
June	120		120	5.0	1.00
Critical Care					
<i>2014</i>					
July	70		70	5.0	1.00
August	98		98	7.2	1.00
September	190		190	14.2	1.00
October	398		398	29.2	1.00
November	1,711		1,711	127.4	1.00
December	12,523		12,523	897.2	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	2	4.4	58.31	
November	5	5	2	1.0	14.02	
December	5	5	32	2.3	31.72	
<i>2015</i>						
January	5	5	28	3.1	41.72	
February	5	5	6	1.4	19.32	
March	5	5	2	0.8	10.72	
April	5	5	1	0.9	12.20	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Critical Care						
<i>2014</i>						
July	5	5	5	71.4	1,000.00	
August	5	5	4	40.8	555.56	
September	5	5	4	21.1	281.69	
October	5	5	14	35.2	479.45	
November	5	5	19	11.1	149.14	
December	5	5	228	18.2	254.12	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	8,005		8,005	594.3	1.00
February	3,715		3,715	276.5	1.00
March	2,253		2,253	168.2	1.00
April	933		933	69.2	1.00
May	260		260	19.3	1.00
June	103		103	4.1	1.00
ECMO					
2014					
July	85		85	6.3	1.00
August	115		115	8.5	1.00
September	216		216	16.3	1.00
October	460		460	34.4	1.00
November	1,921		1,921	143.1	1.00
December	14,070		14,070	1,014.3	1.00
2015					
January	9,059		9,059	676.2	1.00
February	4,175		4,175	311.9	1.00
March	2,501		2,501	187.2	1.00
April	1,105		1,105	82.6	1.00
May	297		297	22.3	1.00
June	120		120	5.0	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	141	17.6	237.25	
February	5	5	59	15.9	213.38	
March	5	5	23	10.2	136.74	
April	5	5	21	22.5	303.47	
May	5	5	7	26.9	362.69	
June	5	5	3	29.1	731.71	
ECMO						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	0	0.0	0.00	
2015						
January	5	5	0	0.0	0.00	
February	5	5	0	0.0	0.00	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2014</i>					
July	85		85	6.3	1.00
August	115		115	8.5	1.00
September	216		216	16.3	1.00
October	460		460	34.4	1.00
November	1,921		1,921	143.0	1.00
December	14,070		14,070	1,013.3	1.00
<i>2015</i>					
January	9,057		9,057	675.3	1.00
February	4,175		4,175	311.8	1.00
March	2,501		2,501	187.0	1.00
April	1,105		1,105	82.6	1.00
May	297		297	22.3	1.00
June	120		120	5.0	1.00
Discharge from hospital alive					
<i>2014</i>					
July	67		67	4.7	1.00
August	95		95	7.0	1.00
September	194		194	14.5	1.00
October	388		388	28.6	1.00
November	1,709		1,709	126.8	1.00
December	12,463		12,463	891.2	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	2	4.4	58.14	
November	5	5	4	2.1	27.97	
December	5	5	39	2.8	38.49	
<i>2015</i>						
January	5	5	32	3.5	47.39	
February	5	5	4	1.0	12.83	
March	5	5	10	4.0	53.48	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Discharge from hospital alive						
<i>2014</i>						
July	5	5	5	74.6	1,063.83	
August	5	5	2	21.1	285.71	
September	5	5	4	20.6	275.86	
October	5	5	11	28.4	384.62	
November	5	5	27	15.8	212.93	
December	5	5	267	21.4	299.60	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	7,861		7,861	582.5	1.00
February	3,670		3,670	271.7	1.00
March	2,200		2,200	163.7	1.00
April	930		930	68.8	1.00
May	255		255	18.9	1.00
June	101		101	4.0	1.00
P and I - Not Treated 0-5 Days After Diagnosis					
Hospitalization					
2014					
July	39,161		39,161	2,456.6	0.00
August	45,251		45,251	2,850.7	0.00
September	55,666		55,666	3,521.9	0.00
October	58,693		58,693	3,721.5	0.00
November	73,611		73,611	4,688.6	0.00
December	161,194		161,194	10,023.3	0.00
2015					
January	148,500		148,500	9,537.1	0.00
February	105,589		105,589	6,770.2	0.00
March	94,196		94,196	6,027.8	0.00
April	76,723		76,723	4,891.9	0.00
May	54,845		54,845	3,485.0	0.00
June	43,330		43,330	1,518.5	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, 2014 and June 30, 2015 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
2015						
January	5	5	181	23.0	310.73	
February	5	5	89	24.3	327.57	
March	5	5	39	17.7	238.24	
April	5	5	29	31.2	421.51	
May	5	5	8	31.4	423.28	
June	5	5	3	29.7	750.00	
P and I - Not Treated 0-5 Days After Diagnosis						
Hospitalization						
2014						
July	0	-	2,338	59.7	951.72	
August	0	-	2,615	57.8	917.32	
September	0	-	2,707	48.6	768.62	
October	0	-	2,773	47.3	745.13	
November	0	-	2,866	38.9	611.27	
December	0	-	3,906	24.2	389.69	
2015						
January	0	-	3,971	26.7	416.37	
February	0	-	3,194	30.3	471.77	
March	0	-	3,178	33.7	527.22	
April	0	-	3,090	40.3	631.66	
May	0	-	2,465	44.9	707.32	
June	0	-	1,382	31.9	910.11	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2014</i>					
July	50,026		50,026	3,216.1	0.00
August	56,363		56,363	3,632.5	0.00
September	67,584		67,584	4,353.3	0.00
October	71,154		71,154	4,598.6	0.00
November	86,801		86,801	5,609.0	0.00
December	181,253		181,253	11,382.7	0.00
<i>2015</i>					
January	166,492		166,492	10,796.4	0.00
February	120,099		120,099	7,778.1	0.00
March	110,040		110,040	7,129.1	0.00
April	91,437		91,437	5,914.9	0.00
May	68,233		68,233	4,412.6	0.00
June	53,197		53,197	1,889.7	0.00
Supplemental oxygen					
<i>2014</i>					
July	45,553		45,553	2,891.7	0.00
August	50,869		50,869	3,234.0	0.00
September	60,454		60,454	3,845.6	0.00
October	63,662		63,662	4,060.5	0.00
November	78,754		78,754	5,029.0	0.00
December	167,477		167,477	10,430.4	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2014</i>						
July	0	-	399	8.0	124.06	
August	0	-	498	8.8	137.10	
September	0	-	629	9.3	144.49	
October	0	-	539	7.6	117.21	
November	0	-	573	6.6	102.16	
December	0	-	788	4.4	69.23	
<i>2015</i>						
January	0	-	821	4.9	76.04	
February	0	-	659	5.5	84.73	
March	0	-	667	6.1	93.56	
April	0	-	627	6.9	106.00	
May	0	-	453	6.6	102.66	
June	0	-	244	4.6	129.12	
Supplemental oxygen						
<i>2014</i>						
July	0	-	1,322	29.0	457.17	
August	0	-	1,609	31.6	497.53	
September	0	-	1,762	29.2	458.19	
October	0	-	1,825	28.7	449.45	
November	0	-	2,062	26.2	410.02	
December	0	-	2,951	17.6	282.92	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	154,364		154,364	9,922.4	0.00
February	110,465		110,465	7,090.3	0.00
March	100,053		100,053	6,415.8	0.00
April	82,637		82,637	5,284.3	0.00
May	60,875		60,875	3,881.1	0.00
June	48,275		48,275	1,700.3	0.00
Mechanical ventilation					
2014					
July	48,538		48,538	3,124.2	0.00
August	54,942		54,942	3,547.2	0.00
September	66,106		66,106	4,268.5	0.00
October	69,439		69,439	4,493.1	0.00
November	85,106		85,106	5,505.2	0.00
December	178,653		178,653	11,230.2	0.00
2015					
January	164,231		164,231	10,663.2	0.00
February	118,265		118,265	7,667.6	0.00
March	107,955		107,955	7,003.0	0.00
April	89,615		89,615	5,808.4	0.00
May	66,473		66,473	4,302.8	0.00
June	51,990		51,990	1,848.0	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, 2014 and June 30, 2015 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
2015						
January	0	-	3,039	19.7	306.28	
February	0	-	2,322	21.0	327.49	
March	0	-	2,235	22.3	348.36	
April	0	-	2,136	25.9	404.22	
May	0	-	1,714	28.2	441.63	
June	0	-	815	16.9	479.33	
Mechanical ventilation						
2014						
July	0	-	503	10.4	161.00	
August	0	-	513	9.3	144.62	
September	0	-	554	8.4	129.79	
October	0	-	600	8.6	133.54	
November	0	-	643	7.6	116.80	
December	0	-	763	4.3	67.94	
2015						
January	0	-	805	4.9	75.49	
February	0	-	748	6.3	97.55	
March	0	-	645	6.0	92.10	
April	0	-	603	6.7	103.82	
May	0	-	542	8.2	125.96	
June	0	-	232	4.5	125.54	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2014</i>					
July	38,856		38,856	2,458.9	0.00
August	44,934		44,934	2,854.5	0.00
September	55,449		55,449	3,532.5	0.00
October	58,412		58,412	3,727.8	0.00
November	73,428		73,428	4,701.0	0.00
December	161,858		161,858	10,098.6	0.00
<i>2015</i>					
January	148,846		148,846	9,597.2	0.00
February	105,850		105,850	6,812.8	0.00
March	94,495		94,495	6,078.0	0.00
April	76,973		76,973	4,934.3	0.00
May	54,845		54,845	3,508.8	0.00
June	43,080		43,080	1,513.2	0.00
ECMO					
<i>2014</i>					
July	50,184		50,184	3,239.6	0.00
August	56,546		56,546	3,660.7	0.00
September	67,770		67,770	4,385.3	0.00
October	71,285		71,285	4,623.5	0.00
November	86,984		86,984	5,639.1	0.00
December	181,478		181,478	11,421.8	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
Critical Care						
<i>2014</i>						
July	0	-	1,887	48.6	767.42	
August	0	-	2,102	46.8	736.38	
September	0	-	2,195	39.6	621.37	
October	0	-	2,229	38.2	597.94	
November	0	-	2,341	31.9	497.98	
December	0	-	3,091	19.1	306.08	
<i>2015</i>						
January	0	-	3,117	20.9	324.78	
February	0	-	2,537	24.0	372.39	
March	0	-	2,402	25.4	395.20	
April	0	-	2,495	32.4	505.64	
May	0	-	1,937	35.3	552.04	
June	0	-	1,201	27.9	793.68	
ECMO						
<i>2014</i>						
July	0	-	3	0.1	0.93	
August	0	-	2	0.0	0.55	
September	0	-	2	0.0	0.46	
October	0	-	3	0.0	0.65	
November	0	-	0	0.0	0.00	
December	0	-	4	0.0	0.35	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	166,766		166,766	10,840.6	0.00
February	120,309		120,309	7,813.5	0.00
March	110,225		110,225	7,160.5	0.00
April	91,629		91,629	5,948.2	0.00
May	68,366		68,366	4,434.9	0.00
June	53,365		53,365	1,900.6	0.00
Death					
2014					
July	49,585		49,585	3,177.0	0.00
August	55,988		55,988	3,597.7	0.00
September	67,136		67,136	4,323.0	0.00
October	70,697		70,697	4,556.2	0.00
November	86,317		86,317	5,564.6	0.00
December	180,644		180,644	11,328.9	0.00
2015					
January	165,780		165,780	10,738.7	0.00
February	119,598		119,598	7,737.5	0.00
March	109,488		109,488	7,080.5	0.00
April	90,947		90,947	5,874.9	0.00
May	67,747		67,747	4,369.9	0.00
June	52,832		52,832	1,864.0	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
2015						
January	0	-	3	0.0	0.28	
February	0	-	2	0.0	0.26	
March	0	-	5	0.1	0.70	
April	0	-	2	0.0	0.34	
May	0	-	4	0.1	0.90	
June	0	-	4	0.1	2.10	
Death						
2014						
July	0	-	1,593	32.1	501.42	
August	0	-	1,608	28.7	446.95	
September	0	-	1,585	23.6	366.64	
October	0	-	1,775	25.1	389.58	
November	0	-	1,897	22.0	340.91	
December	0	-	2,395	13.3	211.41	
2015						
January	0	-	2,416	14.6	224.98	
February	0	-	2,067	17.3	267.14	
March	0	-	1,968	18.0	277.95	
April	0	-	1,947	21.4	331.41	
May	0	-	1,608	23.7	367.97	
June	0	-	856	16.2	459.23	

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, 2014 and June 30, 2015 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>2014</i>					
July	40,834		40,834	2,560.7	0.00
August	46,913		46,913	2,958.7	0.00
September	57,813		57,813	3,661.3	0.00
October	61,553		61,553	3,903.2	0.00
November	75,838		75,838	4,827.8	0.00
December	164,188		164,188	10,206.0	0.00
<i>2015</i>					
January	151,122		151,122	9,704.2	0.00
February	107,410		107,410	6,877.9	0.00
March	96,166		96,166	6,150.8	0.00
April	78,686		78,686	5,011.6	0.00
May	56,597		56,597	3,593.8	0.00
June	44,695		44,695	1,568.5	0.00
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis					
Hospitalization					
<i>2014</i>					
July	11,143		11,143		
August	11,404		11,404		
September	12,207		12,207		
October	12,767		12,767		
November	13,712		13,712		
December	22,609		22,609		

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, 2014 and June 30, 2015 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>2014</i>						
July	0	-	2,108	51.6	823.21	
August	0	-	2,288	48.8	773.31	
September	0	-	2,300	39.8	628.19	
October	0	-	2,548	41.4	652.80	
November	0	-	2,619	34.5	542.48	
December	0	-	3,608	22.0	353.52	
<i>2015</i>						
January	0	-	3,579	23.7	368.81	
February	0	-	2,922	27.2	424.84	
March	0	-	2,885	30.0	469.04	
April	0	-	2,855	36.3	569.68	
May	0	-	2,230	39.4	620.51	
June	0	-	1,246	27.9	794.39	
P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis						
Hospitalization						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	19,691		19,691		
February	15,374		15,374		
March	16,436		16,436		
April	15,190		15,190		
May	13,639		13,639		
June	12,205		12,205		
BiPAP					
2014					
July	169		169		
August	188		188		
September	192		192		
October	138		138		
November	192		192		
December	253		253		
2015					
January	284		284		
February	218		218		
March	193		193		
April	201		201		
May	136		136		
June	196		196		

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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
BiPAP						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2014</i>					
July	4,680		4,680		
August	5,724		5,724		
September	7,371		7,371		
October	7,688		7,688		
November	8,432		8,432		
December	15,581		15,581		
<i>2015</i>					
January	13,115		13,115		
February	10,198		10,198		
March	10,413		10,413		
April	9,150		9,150		
May	7,542		7,542		
June	6,155		6,155		
Mechanical ventilation					
<i>2014</i>					
July	1,697		1,697		
August	1,638		1,638		
September	1,706		1,706		
October	1,893		1,893		
November	1,941		1,941		
December	3,006		3,006		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	2,637		2,637		
February	2,118		2,118		
March	2,329		2,329		
April	2,069		2,069		
May	1,934		1,934		
June	1,724		1,724		
Critical Care					
2014					
July	11,458		11,458		
August	11,742		11,742		
September	12,462		12,462		
October	13,062		13,062		
November	13,886		13,886		
December	21,698		21,698		
2015					
January	19,101		19,101		
February	15,056		15,056		
March	16,118		16,118		
April	14,962		14,962		
May	13,657		13,657		
June	12,528		12,528		

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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Critical Care						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2014</i>					
July	11		11		
August	5		5		
September	6		6		
October	7		7		
November	9		9		
December	13		13		
<i>2015</i>					
January	3		3		
February	8		8		
March	9		9		
April	7		7		
May	2		2		
June	6		6		
Death					
<i>2014</i>					
July	694		694		
August	659		659		
September	723		723		
October	689		689		
November	800		800		
December	1,048		1,048		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Death						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	1,132		1,132		
February	856		856		
March	877		877		
April	817		817		
May	718		718		
June	636		636		
Discharge from hospital alive					
2014					
July	9,410		9,410		
August	9,681		9,681		
September	10,009		10,009		
October	9,832		9,832		
November	11,398		11,398		
December	19,261		19,261		
2015					
January	16,861		16,861		
February	13,433		13,433		
March	14,391		14,391		
April	13,150		13,150		
May	11,836		11,836		
June	10,500		10,500		

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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 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>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	4		4		
November	2		2		
December	87		87		
<i>2015</i>					
January	55		55		
February	19		19		
March	19		19		
April	7		7		
May	4		4		
June	0		0		
BiPAP					
<i>2014</i>					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	2		2		
December	14		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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk Outcome per 1,000 Years at Risk	Eligible Member Years ¹
P and I - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
<i>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
BiPAP						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	10		10		
February	8		8		
March	4		4		
April	1		1		
May	1		1		
June	0		0		
Supplemental oxygen					
2014					
July	15		15		
August	23		23		
September	53		53		
October	108		108		
November	436		436		
December	2,795		2,795		
2015					
January	2,003		2,003		
February	996		996		
March	641		641		
April	245		245		
May	99		99		
June	29		29		

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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	1		1		
December	5		5		
<i>2015</i>					
January	5		5		
February	1		1		
March	1		1		
April	0		0		
May	0		0		
June	0		0		
Critical Care					
<i>2014</i>					
July	0		0		
August	2		2		
September	1		1		
October	5		5		
November	3		3		
December	88		88		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Critical Care						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	68		68		
February	18		18		
March	17		17		
April	8		8		
May	6		6		
June	1		1		
ECMO					
2014					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2015					
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
ECMO						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2015</i>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Discharge from hospital alive					
<i>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	4		4		
November	2		2		
December	78		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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	47		47		
February	19		19		
March	19		19		
April	7		7		
May	4		4		
June	0		0		
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
2014					
July	0		0		
August	1		1		
September	0		0		
October	1		1		
November	2		2		
December	42		42		
2015					
January	30		30		
February	15		15		
March	9		9		
April	5		5		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	0		0		
November	2		2		
December	3		3		
<i>2015</i>					
January	2		2		
February	1		1		
March	1		1		
April	0		0		
May	0		0		
June	0		0		
Supplemental oxygen					
<i>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	5		5		
November	10		10		
December	64		64		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	38		38		
February	18		18		
March	11		11		
April	4		4		
May	1		1		
June	0		0		
Mechanical ventilation					
2014					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	5		5		
2015					
January	5		5		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	6		6		
December	53		53		
<i>2015</i>					
January	30		30		
February	18		18		
March	11		11		
April	6		6		
May	0		0		
June	0		0		
ECMO					
<i>2014</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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
ECMO						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Death					
2014					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2015					
January	2		2		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Death						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 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>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	1		1		
November	1		1		
December	31		31		
<i>2015</i>					
January	23		23		
February	13		13		
March	8		8		
April	3		3		
May	0		0		
June	0		0		
MAARI - Treated Day of Diagnosis					
Hospitalization					
<i>2014</i>					
July	1,139		1,139	88.3	1.00
August	1,244		1,244	96.7	1.00
September	2,881		2,881	223.7	1.00
October	5,850		5,850	455.7	1.00
November	22,493		22,493	1,759.8	1.00
December	152,101		152,101	11,422.0	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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
MAARI - Treated Day of Diagnosis						
Hospitalization						
<i>2014</i>						
July	5	5	20	17.6	226.50	
August	5	5	23	18.5	237.85	
September	5	5	52	18.1	232.45	
October	5	5	86	14.7	188.72	
November	5	5	164	7.3	93.19	
December	5	5	1,124	7.4	98.41	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	112,871		112,871	8,858.6	1.00
February	57,321		57,321	4,499.9	1.00
March	34,230		34,230	2,685.4	1.00
April	12,835		12,835	1,007.3	1.00
May	3,869		3,869	302.3	1.00
June	1,312		1,312	62.9	1.00
BiPAP					
2014					
July	1,141		1,141	89.3	1.00
August	1,245		1,245	98.0	1.00
September	2,881		2,881	226.3	1.00
October	5,856		5,856	460.2	1.00
November	22,494		22,494	1,766.5	1.00
December	152,160		152,160	11,463.5	1.00
2015					
January	112,907		112,907	8,900.2	1.00
February	57,326		57,326	4,520.7	1.00
March	34,239		34,239	2,698.8	1.00
April	12,840		12,840	1,013.2	1.00
May	3,871		3,871	304.4	1.00
June	1,312		1,312	63.5	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, 2014 and June 30, 2015 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
2015						
January	5	5	1,035	9.2	116.84	
February	5	5	511	8.9	113.56	
March	5	5	321	9.4	119.54	
April	5	5	139	10.8	137.99	
May	5	5	40	10.3	132.32	
June	5	5	19	14.5	302.07	
BiPAP						
2014						
July	5	5	10	8.8	111.98	
August	5	5	6	4.8	61.22	
September	5	5	14	4.9	61.86	
October	5	5	18	3.1	39.11	
November	5	5	51	2.3	28.87	
December	5	5	463	3.0	40.39	
2015						
January	5	5	334	3.0	37.53	
February	5	5	143	2.5	31.63	
March	5	5	96	2.8	35.57	
April	5	5	42	3.3	41.45	
May	5	5	10	2.6	32.85	
June	5	5	3	2.3	47.24	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2014</i>					
July	1,124		1,124	87.4	1.00
August	1,228		1,228	96.1	1.00
September	2,824		2,824	220.3	1.00
October	5,744		5,744	449.3	1.00
November	22,069		22,069	1,725.9	1.00
December	149,500		149,500	11,227.1	1.00
<i>2015</i>					
January	110,884		110,884	8,701.4	1.00
February	56,339		56,339	4,420.0	1.00
March	33,609		33,609	2,634.1	1.00
April	12,595		12,595	987.0	1.00
May	3,771		3,771	294.8	1.00
June	1,281		1,281	61.8	1.00
Mechanical ventilation					
<i>2014</i>					
July	1,141		1,141	89.3	1.00
August	1,245		1,245	98.2	1.00
September	2,882		2,882	226.4	1.00
October	5,856		5,856	460.6	1.00
November	22,495		22,495	1,768.2	1.00
December	152,177		152,177	11,479.6	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Supplemental oxygen						
<i>2014</i>						
July	5	5	14	12.5	160.18	
August	5	5	19	15.5	197.71	
September	5	5	39	13.8	177.03	
October	5	5	54	9.4	120.19	
November	5	5	179	8.1	103.71	
December	5	5	1,088	7.3	96.91	
<i>2015</i>						
January	5	5	1,017	9.2	116.88	
February	5	5	523	9.3	118.33	
March	5	5	330	9.8	125.28	
April	5	5	149	11.8	150.96	
May	5	5	38	10.1	128.90	
June	5	5	12	9.4	194.17	
Mechanical ventilation						
<i>2014</i>						
July	5	5	5	4.4	55.99	
August	5	5	0	0.0	0.00	
September	5	5	7	2.4	30.92	
October	5	5	7	1.2	15.20	
November	5	5	5	0.2	2.83	
December	5	5	54	0.4	4.70	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	112,915		112,915	8,910.6	1.00
February	57,338		57,338	4,525.8	1.00
March	34,243		34,243	2,702.2	1.00
April	12,841		12,841	1,014.5	1.00
May	3,871		3,871	304.7	1.00
June	1,312		1,312	63.6	1.00
Critical Care					
2014					
July	1,141		1,141	88.5	1.00
August	1,243		1,243	96.9	1.00
September	2,880		2,880	224.0	1.00
October	5,848		5,848	456.2	1.00
November	22,489		22,489	1,761.6	1.00
December	152,102		152,102	11,436.4	1.00
2015					
January	112,858		112,858	8,874.2	1.00
February	57,320		57,320	4,508.4	1.00
March	34,229		34,229	2,689.5	1.00
April	12,833		12,833	1,008.7	1.00
May	3,867		3,867	302.9	1.00
June	1,311		1,311	63.2	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	64	0.6	7.18	
February	5	5	37	0.7	8.18	
March	5	5	16	0.5	5.92	
April	5	5	14	1.1	13.80	
May	5	5	3	0.8	9.85	
June	5	5	1	0.8	15.72	
Critical Care						
2014						
July	5	5	20	17.5	225.99	
August	5	5	19	15.3	196.08	
September	5	5	46	16.0	205.36	
October	5	5	73	12.5	160.02	
November	5	5	119	5.3	67.55	
December	5	5	807	5.3	70.56	
2015						
January	5	5	668	5.9	75.27	
February	5	5	334	5.8	74.08	
March	5	5	231	6.8	85.89	
April	5	5	110	8.6	109.05	
May	5	5	28	7.2	92.44	
June	5	5	13	9.9	205.70	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2014</i>					
July	1,141		1,141	89.6	1.00
August	1,245		1,245	98.2	1.00
September	2,882		2,882	226.8	1.00
October	5,856		5,856	460.9	1.00
November	22,495		22,495	1,768.4	1.00
December	152,180		152,180	11,482.4	1.00
<i>2015</i>					
January	112,918		112,918	8,913.9	1.00
February	57,338		57,338	4,527.4	1.00
March	34,244		34,244	2,703.1	1.00
April	12,841		12,841	1,015.1	1.00
May	3,871		3,871	304.9	1.00
June	1,312		1,312	63.6	1.00
Death					
<i>2014</i>					
July	1,141		1,141	89.5	1.00
August	1,245		1,245	98.2	1.00
September	2,882		2,882	226.7	1.00
October	5,856		5,856	460.8	1.00
November	22,495		22,495	1,768.3	1.00
December	152,180		152,180	11,481.4	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	1	0.0	0.09	
<i>2015</i>						
January	5	5	1	0.0	0.11	
February	5	5	3	0.1	0.66	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Death						
<i>2014</i>						
July	5	5	2	1.8	22.35	
August	5	5	0	0.0	0.00	
September	5	5	5	1.7	22.06	
October	5	5	8	1.4	17.36	
November	5	5	5	0.2	2.83	
December	5	5	40	0.3	3.48	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	112,918		112,918	8,913.3	1.00
February	57,338		57,338	4,527.4	1.00
March	34,244		34,244	2,703.0	1.00
April	12,841		12,841	1,014.9	1.00
May	3,871		3,871	304.9	1.00
June	1,312		1,312	63.6	1.00
Discharge from hospital alive					
2014					
July	1,139		1,139	88.5	1.00
August	1,244		1,244	96.8	1.00
September	2,881		2,881	224.0	1.00
October	5,850		5,850	455.9	1.00
November	22,493		22,493	1,760.3	1.00
December	152,110		152,110	11,425.9	1.00
2015					
January	112,876		112,876	8,862.1	1.00
February	57,321		57,321	4,501.0	1.00
March	34,230		34,230	2,686.2	1.00
April	12,835		12,835	1,007.5	1.00
May	3,869		3,869	302.4	1.00
June	1,312		1,312	62.9	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, 2014 and June 30, 2015 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
2015						
January	5	5	24	0.2	2.69	
February	5	5	14	0.2	3.09	
March	5	5	8	0.2	2.96	
April	5	5	3	0.2	2.96	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Discharge from hospital alive						
2014						
July	5	5	16	14.1	180.79	
August	5	5	22	17.7	227.27	
September	5	5	44	15.3	196.43	
October	5	5	82	14.0	179.86	
November	5	5	152	6.8	86.35	
December	5	5	1,060	7.0	92.77	
2015						
January	5	5	968	8.6	109.23	
February	5	5	480	8.4	106.64	
March	5	5	305	8.9	113.54	
April	5	5	134	10.4	133.00	
May	5	5	39	10.1	128.97	
June	5	5	19	14.5	302.07	

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, 2014 and June 30, 2015 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>2014</i>					
July	84		84	6.3	1.00
August	100		100	7.5	1.00
September	213		213	16.0	1.00
October	459		459	34.3	1.00
November	1,648		1,648	123.9	1.00
December	11,650		11,650	843.0	1.00
<i>2015</i>					
January	7,953		7,953	597.8	1.00
February	3,717		3,717	279.7	1.00
March	2,251		2,251	170.2	1.00
April	894		894	67.2	1.00
May	273		273	20.6	1.00
June	104		104	4.3	1.00
BiPAP					
<i>2014</i>					
July	86		86	6.4	1.00
August	102		102	7.8	1.00
September	214		214	16.2	1.00
October	472		472	36.1	1.00
November	1,667		1,667	126.2	1.00
December	11,798		11,798	864.0	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
MAARI - Treated After Day of Diagnosis						
Hospitalization						
<i>2014</i>						
July	6	6	2	23.8	317.46	
August	5	5	2	20.0	266.67	
September	5	5	2	9.4	125.00	
October	6	6	14	30.5	408.16	
November	5	5	25	15.2	201.78	
December	5	5	217	18.6	257.41	
<i>2015</i>						
January	5	5	169	21.3	282.70	
February	5	5	65	17.5	232.39	
March	5	5	34	15.1	199.76	
April	5	5	23	25.7	342.26	
May	5	5	8	29.3	388.35	
June	5	5	3	28.9	697.67	
BiPAP						
<i>2014</i>						
July	6	6	2	23.3	312.50	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	6	6	2	4.2	55.40	
November	5	5	10	6.0	79.24	
December	5	5	29	2.5	33.56	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	8,045		8,045	612.0	1.00
February	3,765		3,765	286.1	1.00
March	2,278		2,278	173.6	1.00
April	906		906	69.2	1.00
May	275		275	20.9	1.00
June	106		106	4.5	1.00
Supplemental oxygen					
2014					
July	82		82	6.2	1.00
August	86		86	6.5	1.00
September	196		196	14.6	1.00
October	446		446	34.0	1.00
November	1,552		1,552	116.6	1.00
December	11,053		11,053	804.6	1.00
2015					
January	7,656		7,656	577.1	1.00
February	3,573		3,573	269.4	1.00
March	2,161		2,161	163.0	1.00
April	831		831	63.0	1.00
May	253		253	19.2	1.00
June	103		103	4.3	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, 2014 and June 30, 2015 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
2015						
January	5	5	32	4.0	52.29	
February	5	5	11	2.9	38.45	
March	5	5	7	3.1	40.32	
April	5	5	3	3.3	43.35	
May	5	5	3	10.9	143.54	
June	5	5	1	9.4	222.22	
Supplemental oxygen						
2014						
July	6	6	1	12.2	161.29	
August	5	5	0	0.0	0.00	
September	5	5	2	10.2	136.99	
October	5	5	2	4.5	58.82	
November	5	5	27	17.4	231.56	
December	5	5	124	11.2	154.11	
2015						
January	5	5	119	15.5	206.20	
February	5	5	50	14.0	185.60	
March	5	5	37	17.1	226.99	
April	5	5	9	10.8	142.86	
May	5	5	3	11.9	156.25	
June	5	5	2	19.4	465.12	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2014</i>					
July	86		86	6.5	1.00
August	103		103	7.8	1.00
September	214		214	16.2	1.00
October	472		472	35.9	1.00
November	1,666		1,666	126.6	1.00
December	11,793		11,793	864.0	1.00
<i>2015</i>					
January	8,040		8,040	611.7	1.00
February	3,763		3,763	286.2	1.00
March	2,277		2,277	173.8	1.00
April	906		906	69.2	1.00
May	274		274	21.0	1.00
June	106		106	4.5	1.00
Critical Care					
<i>2014</i>					
July	82		82	6.2	1.00
August	100		100	7.5	1.00
September	209		209	15.7	1.00
October	456		456	34.3	1.00
November	1,643		1,643	124.1	1.00
December	11,613		11,613	843.2	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Mechanical ventilation						
<i>2014</i>						
July	6	6	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	6	6	3	6.4	83.57	
November	5	5	0	0.0	0.00	
December	5	5	14	1.2	16.20	
<i>2015</i>						
January	5	5	16	2.0	26.16	
February	5	5	6	1.6	20.96	
March	5	5	2	0.9	11.51	
April	5	5	2	2.2	28.90	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Critical Care						
<i>2014</i>						
July	6	6	2	24.4	322.58	
August	5	5	2	20.0	266.67	
September	5	5	2	9.6	127.39	
October	6	6	11	24.1	320.70	
November	5	5	15	9.1	120.87	
December	5	5	155	13.4	183.82	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	7,936		7,936	599.5	1.00
February	3,710		3,710	280.2	1.00
March	2,247		2,247	170.5	1.00
April	884		884	66.6	1.00
May	269		269	20.5	1.00
June	104		104	4.2	1.00
ECMO					
2014					
July	86		86	6.5	1.00
August	103		103	7.8	1.00
September	214		214	16.2	1.00
October	472		472	36.1	1.00
November	1,667		1,667	126.7	1.00
December	11,799		11,799	865.1	1.00
2015					
January	8,045		8,045	612.9	1.00
February	3,765		3,765	286.6	1.00
March	2,278		2,278	174.0	1.00
April	906		906	69.3	1.00
May	275		275	21.1	1.00
June	106		106	4.5	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, 2014 and June 30, 2015 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
2015						
January	5	5	110	13.9	183.49	
February	5	5	47	12.7	167.74	
March	5	5	19	8.5	111.44	
April	5	5	17	19.2	255.26	
May	5	5	4	14.9	195.12	
June	5	5	4	38.5	952.38	
ECMO						
2014						
July	6	6	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	6	6	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	0	0.0	0.00	
2015						
January	5	5	0	0.0	0.00	
February	5	5	0	0.0	0.00	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2014</i>					
July	86		86	6.5	1.00
August	103		103	7.8	1.00
September	214		214	16.2	1.00
October	472		472	36.1	1.00
November	1,667		1,667	126.7	1.00
December	11,799		11,799	864.6	1.00
<i>2015</i>					
January	8,043		8,043	612.3	1.00
February	3,765		3,765	286.6	1.00
March	2,278		2,278	174.0	1.00
April	906		906	69.3	1.00
May	275		275	21.1	1.00
June	106		106	4.5	1.00
Discharge from hospital alive					
<i>2014</i>					
July	84		84	6.4	1.00
August	100		100	7.5	1.00
September	213		213	16.0	1.00
October	461		461	34.4	1.00
November	1,650		1,650	124.3	1.00
December	11,672		11,672	845.7	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years ¹
Death						
<i>2014</i>						
July	6	6	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	6	6	0	0.0	0.00	
November	5	5	2	1.2	15.79	
December	5	5	17	1.4	19.66	
<i>2015</i>						
January	5	5	19	2.4	31.03	
February	5	5	3	0.8	10.47	
March	5	5	3	1.3	17.24	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Discharge from hospital alive						
<i>2014</i>						
July	6	6	0	0.0	0.00	
August	5	5	2	20.0	266.67	
September	5	5	2	9.4	125.00	
October	6	6	14	30.4	406.98	
November	5	5	21	12.7	168.95	
December	5	5	192	16.5	227.03	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	7,965		7,965	599.6	1.00
February	3,719		3,719	280.1	1.00
March	2,252		2,252	170.3	1.00
April	895		895	67.5	1.00
May	274		274	20.6	1.00
June	104		104	4.3	1.00
MAARI - Treated 1-5 Days After Diagnosis					
Hospitalization					
2014					
July	125		125	9.0	1.00
August	174		174	12.7	1.00
September	348		348	25.2	1.00
October	670		670	49.2	1.00
November	2,535		2,535	186.8	1.00
December	17,122		17,122	1,213.9	1.00
2015					
January	11,703		11,703	860.6	1.00
February	5,575		5,575	411.1	1.00
March	3,455		3,455	255.2	1.00
April	1,374		1,374	101.1	1.00
May	406		406	30.1	1.00
June	157		157	6.5	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	153	19.2	255.17	
February	5	5	61	16.4	217.78	
March	5	5	32	14.2	187.90	
April	5	5	20	22.4	296.30	
May	5	5	9	32.9	436.89	
June	5	5	3	28.9	697.67	
MAARI - Treated 1-5 Days After Diagnosis						
Hospitalization						
2014						
July	6	6	7	56.0	777.78	
August	5	5	4	23.0	314.96	
September	5	5	10	28.7	396.83	
October	6	6	21	31.3	426.83	
November	5	5	32	12.6	171.31	
December	5	5	354	20.7	291.62	
2015						
January	5	5	257	22.0	298.63	
February	5	5	97	17.4	235.95	
March	5	5	55	15.9	215.52	
April	5	5	35	25.5	346.19	
May	5	5	9	22.2	299.00	
June	5	5	5	31.9	769.23	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2014</i>					
July	136		136	10.0	1.00
August	194		194	14.3	1.00
September	369		369	27.0	1.00
October	739		739	55.1	1.00
November	2,731		2,731	201.6	1.00
December	18,680		18,680	1,335.3	1.00
<i>2015</i>					
January	12,819		12,819	950.4	1.00
February	6,038		6,038	448.3	1.00
March	3,707		3,707	275.2	1.00
April	1,525		1,525	113.2	1.00
May	454		454	33.7	1.00
June	170		170	7.2	1.00
Supplemental oxygen					
<i>2014</i>					
July	125		125	9.3	1.00
August	173		173	12.7	1.00
September	333		333	24.3	1.00
October	698		698	51.7	1.00
November	2,541		2,541	186.1	1.00
December	17,314		17,314	1,228.1	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
BiPAP						
<i>2014</i>						
July	5	5	2	14.7	200.00	
August	5	5	0	0.0	0.00	
September	5	5	3	8.1	111.11	
October	5	5	4	5.4	72.60	
November	5	5	18	6.6	89.29	
December	5	5	62	3.3	46.43	
<i>2015</i>						
January	5	5	50	3.9	52.61	
February	5	5	18	3.0	40.15	
March	5	5	19	5.1	69.04	
April	5	5	12	7.9	106.01	
May	5	5	4	8.8	118.69	
June	5	5	1	5.9	138.89	
Supplemental oxygen						
<i>2014</i>						
July	5	5	1	8.0	107.53	
August	5	5	0	0.0	0.00	
September	5	5	5	15.0	205.76	
October	5	5	10	14.3	193.42	
November	5	5	50	19.7	268.67	
December	5	5	255	14.7	207.64	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	12,081		12,081	886.9	1.00
February	5,653		5,653	416.3	1.00
March	3,457		3,457	254.6	1.00
April	1,391		1,391	102.3	1.00
May	418		418	30.8	1.00
June	159		159	6.7	1.00
Mechanical ventilation					
2014					
July	136		136	10.1	1.00
August	195		195	14.3	1.00
September	367		367	27.0	1.00
October	739		739	55.0	1.00
November	2,730		2,730	202.3	1.00
December	18,643		18,643	1,333.6	1.00
2015					
January	12,794		12,794	948.9	1.00
February	6,030		6,030	448.1	1.00
March	3,704		3,704	275.7	1.00
April	1,518		1,518	112.8	1.00
May	452		452	33.7	1.00
June	170		170	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, 2014 and June 30, 2015 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
2015						
January	5	5	207	17.1	233.40	
February	5	5	82	14.5	196.97	
March	5	5	57	16.5	223.88	
April	5	5	22	15.8	215.05	
May	5	5	7	16.8	227.27	
June	5	5	2	12.6	298.51	
Mechanical ventilation						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	3	4.1	54.55	
November	5	5	2	0.7	9.89	
December	5	5	30	1.6	22.50	
2015						
January	5	5	33	2.6	34.78	
February	5	5	8	1.3	17.85	
March	5	5	2	0.5	7.25	
April	5	5	2	1.3	17.73	
May	5	5	0	0.0	0.00	
June	5	5	2	11.8	277.78	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2014</i>					
July	123		123	8.8	1.00
August	174		174	12.7	1.00
September	344		344	24.9	1.00
October	684		684	50.2	1.00
November	2,557		2,557	188.9	1.00
December	17,327		17,327	1,231.8	1.00
<i>2015</i>					
January	11,889		11,889	877.9	1.00
February	5,645		5,645	417.6	1.00
March	3,492		3,492	258.7	1.00
April	1,382		1,382	101.9	1.00
May	414		414	30.8	1.00
June	158		158	6.5	1.00
ECMO					
<i>2014</i>					
July	136		136	10.1	1.00
August	195		195	14.3	1.00
September	369		369	27.2	1.00
October	739		739	55.2	1.00
November	2,733		2,733	202.6	1.00
December	18,691		18,691	1,338.2	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
Critical Care						
<i>2014</i>						
July	6	6	7	56.9	795.45	
August	5	5	4	23.0	314.96	
September	5	5	8	23.3	321.29	
October	5	5	19	27.8	378.49	
November	5	5	22	8.6	116.46	
December	5	5	258	14.9	209.45	
<i>2015</i>						
January	5	5	173	14.6	197.06	
February	5	5	72	12.8	172.41	
March	5	5	34	9.7	131.43	
April	5	5	23	16.6	225.71	
May	5	5	6	14.5	194.81	
June	5	5	6	38.0	923.08	
ECMO						
<i>2014</i>						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	0	0.0	0.00	
December	5	5	0	0.0	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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	12,829		12,829	952.9	1.00
February	6,039		6,039	449.1	1.00
March	3,708		3,708	276.2	1.00
April	1,525		1,525	113.5	1.00
May	454		454	33.9	1.00
June	170		170	7.2	1.00
Death					
2014					
July	136		136	10.1	1.00
August	195		195	14.3	1.00
September	369		369	27.2	1.00
October	739		739	55.2	1.00
November	2,733		2,733	202.5	1.00
December	18,691		18,691	1,337.1	1.00
2015					
January	12,827		12,827	951.9	1.00
February	6,037		6,037	448.9	1.00
March	3,708		3,708	276.0	1.00
April	1,525		1,525	113.5	1.00
May	454		454	33.9	1.00
June	170		170	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
2015						
January	5	5	0	0.0	0.00	
February	5	5	0	0.0	0.00	
March	5	5	0	0.0	0.00	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	0.00	
Death						
2014						
July	5	5	0	0.0	0.00	
August	5	5	0	0.0	0.00	
September	5	5	0	0.0	0.00	
October	5	5	0	0.0	0.00	
November	5	5	4	1.5	19.75	
December	5	5	35	1.9	26.18	
2015						
January	5	5	32	2.5	33.62	
February	5	5	4	0.7	8.91	
March	5	5	8	2.2	28.99	
April	5	5	0	0.0	0.00	
May	5	5	0	0.0	0.00	
June	5	5	0	0.0	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, 2014 and June 30, 2015 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>2014</i>					
July	125		125	9.0	1.00
August	174		174	12.7	1.00
September	348		348	25.2	1.00
October	676		676	49.7	1.00
November	2,561		2,561	188.7	1.00
December	17,308		17,308	1,227.6	1.00
<i>2015</i>					
January	11,837		11,837	871.3	1.00
February	5,617		5,617	414.2	1.00
March	3,468		3,468	256.2	1.00
April	1,383		1,383	101.7	1.00
May	409		409	30.3	1.00
June	159		159	6.6	1.00
MAARI - NOT Treated 0-5 Days After Diagnosis					
Hospitalization					
<i>2014</i>					
July	412,524		412,524	26,802.0	0.00
August	469,330		469,330	30,538.7	0.00
September	653,712		653,712	42,507.5	0.00
October	703,696		703,696	45,839.0	0.00
November	768,757		768,757	49,992.6	0.00
December	1,118,993		1,118,993	70,776.8	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
Discharge from hospital alive						
<i>2014</i>						
July	6	6	5	40.0	555.56	
August	5	5	4	23.0	314.96	
September	5	5	10	28.7	396.83	
October	6	6	19	28.1	382.29	
November	5	5	32	12.5	169.58	
December	5	5	327	18.9	266.37	
<i>2015</i>						
January	5	5	236	19.9	270.86	
February	5	5	99	17.6	239.01	
March	5	5	50	14.4	195.16	
April	5	5	33	23.9	324.48	
May	5	5	10	24.5	330.03	
June	5	5	5	31.5	757.58	
MAARI - NOT Treated 0-5 Days After Diagnosis						
Hospitalization						
<i>2014</i>						
July	0	-	2,959	7.2	110.40	
August	0	-	3,186	6.8	104.33	
September	0	-	4,315	6.6	101.51	
October	0	-	4,531	6.4	98.85	
November	0	-	4,783	6.2	95.67	
December	0	-	7,522	6.7	106.28	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	961,246		961,246	62,605.2	0.00
February	834,748		834,748	54,394.8	0.00
March	837,568		837,568	54,566.0	0.00
April	702,467		702,467	45,764.3	0.00
May	600,028		600,028	39,102.6	0.00
June	406,449		406,449	14,700.1	0.00
BiPAP					
2014					
July	414,832		414,832	27,023.8	0.00
August	471,973		471,973	30,787.6	0.00
September	656,918		656,918	42,819.5	0.00
October	706,872		706,872	46,148.7	0.00
November	772,284		772,284	50,328.1	0.00
December	1,126,494		1,126,494	71,416.4	0.00
2015					
January	967,972		967,972	63,200.9	0.00
February	839,297		839,297	54,805.9	0.00
March	842,058		842,058	54,977.9	0.00
April	706,289		706,289	46,110.2	0.00
May	603,096		603,096	39,383.6	0.00
June	408,405		408,405	14,793.1	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, 2014 and June 30, 2015 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
2015						
January	0	-	7,021	7.3	112.15	
February	0	-	5,426	6.5	99.75	
March	0	-	5,456	6.5	99.99	
April	0	-	4,569	6.5	99.84	
May	0	-	3,665	6.1	93.73	
June	0	-	1,624	4.0	110.48	
BiPAP						
2014						
July	0	-	966	2.3	35.75	
August	0	-	1,034	2.2	33.58	
September	0	-	1,425	2.2	33.28	
October	0	-	1,614	2.3	34.97	
November	0	-	1,787	2.3	35.51	
December	0	-	2,948	2.6	41.28	
2015						
January	0	-	2,430	2.5	38.45	
February	0	-	2,022	2.4	36.89	
March	0	-	2,079	2.5	37.82	
April	0	-	1,841	2.6	39.93	
May	0	-	1,379	2.3	35.01	
June	0	-	623	1.5	42.11	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2014</i>					
July	407,443		407,443	26,505.2	0.00
August	461,568		461,568	30,041.7	0.00
September	639,721		639,721	41,599.6	0.00
October	690,696		690,696	44,984.0	0.00
November	754,814		754,814	49,066.0	0.00
December	1,099,849		1,099,849	69,561.6	0.00
<i>2015</i>					
January	944,920		944,920	61,541.7	0.00
February	820,436		820,436	53,466.9	0.00
March	822,821		822,821	53,608.4	0.00
April	689,533		689,533	44,929.9	0.00
May	589,203		589,203	38,409.2	0.00
June	400,579		400,579	14,488.2	0.00
Mechanical ventilation					
<i>2014</i>					
July	414,974		414,974	27,058.3	0.00
August	472,110		472,110	30,821.9	0.00
September	657,113		657,113	42,872.0	0.00
October	707,100		707,100	46,208.0	0.00
November	772,587		772,587	50,394.8	0.00
December	1,126,692		1,126,692	71,506.5	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses Outcome per	New Diagnoses with 1,000 Years at Risk Outcome per	Eligible Member Years ¹
Supplemental oxygen						
<i>2014</i>						
July	0	-	1,885	4.6	71.12	
August	0	-	2,801	6.1	93.24	
September	0	-	4,053	6.3	97.43	
October	0	-	4,493	6.5	99.88	
November	0	-	5,189	6.9	105.76	
December	0	-	7,168	6.5	103.05	
<i>2015</i>						
January	0	-	6,331	6.7	102.87	
February	0	-	4,857	5.9	90.84	
March	0	-	4,833	5.9	90.15	
April	0	-	3,977	5.8	88.52	
May	0	-	2,842	4.8	73.99	
June	0	-	1,184	3.0	81.72	
Mechanical ventilation						
<i>2014</i>						
July	0	-	183	0.4	6.76	
August	0	-	212	0.5	6.88	
September	0	-	217	0.3	5.06	
October	0	-	260	0.4	5.63	
November	0	-	311	0.4	6.17	
December	0	-	482	0.4	6.74	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	968,082		968,082	63,273.9	0.00
February	839,449		839,449	54,873.7	0.00
March	842,313		842,313	55,051.7	0.00
April	706,477		706,477	46,176.0	0.00
May	603,233		603,233	39,430.8	0.00
June	408,559		408,559	14,811.1	0.00
Critical Care					
2014					
July	412,761		412,761	26,848.0	0.00
August	469,671		469,671	30,595.0	0.00
September	654,133		654,133	42,583.9	0.00
October	704,055		704,055	45,912.3	0.00
November	769,134		769,134	50,068.5	0.00
December	1,119,816		1,119,816	70,912.8	0.00
2015					
January	962,138		962,138	62,743.0	0.00
February	835,471		835,471	54,499.0	0.00
March	838,153		838,153	54,666.0	0.00
April	702,897		702,897	45,842.0	0.00
May	600,360		600,360	39,164.6	0.00
June	406,660		406,660	14,719.9	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, 2014 and June 30, 2015 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
2015						
January	0	-	454	0.5	7.18	
February	0	-	324	0.4	5.90	
March	0	-	321	0.4	5.83	
April	0	-	253	0.4	5.48	
May	0	-	216	0.4	5.48	
June	0	-	81	0.2	5.47	
Critical Care						
2014						
July	0	-	2,073	5.0	77.21	
August	0	-	2,170	4.6	70.93	
September	0	-	2,916	4.5	68.48	
October	0	-	3,097	4.4	67.45	
November	0	-	3,250	4.2	64.91	
December	0	-	5,087	4.5	71.74	
2015						
January	0	-	4,744	4.9	75.61	
February	0	-	3,720	4.5	68.26	
March	0	-	3,650	4.4	66.77	
April	0	-	3,121	4.4	68.08	
May	0	-	2,469	4.1	63.04	
June	0	-	1,143	2.8	77.65	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2014</i>					
July	415,126		415,126	27,074.1	0.00
August	472,279		472,279	30,839.3	0.00
September	657,346		657,346	42,893.7	0.00
October	707,334		707,334	46,231.1	0.00
November	772,837		772,837	50,420.7	0.00
December	1,127,344		1,127,344	71,560.9	0.00
<i>2015</i>					
January	968,624		968,624	63,322.6	0.00
February	839,843		839,843	54,908.0	0.00
March	842,678		842,678	55,084.2	0.00
April	706,772		706,772	46,201.9	0.00
May	603,438		603,438	39,450.1	0.00
June	408,711		408,711	14,818.4	0.00
Death					
<i>2014</i>					
July	415,088		415,088	27,068.0	0.00
August	472,248		472,248	30,834.0	0.00
September	657,292		657,292	42,886.7	0.00
October	707,270		707,270	46,221.9	0.00
November	772,777		772,777	50,412.7	0.00
December	1,127,180		1,127,180	71,541.9	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, 2014 and June 30, 2015 by Year and Month

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with 1,000 New Diagnoses	New Diagnoses with 1,000 Years at Risk	Eligible Member Years ¹
ECMO						
<i>2014</i>						
July	0	-	1	0.0	0.04	
August	0	-	0	0.0	0.00	
September	0	-	1	0.0	0.02	
October	0	-	0	0.0	0.00	
November	0	-	0	0.0	0.00	
December	0	-	0	0.0	0.00	
<i>2015</i>						
January	0	-	5	0.0	0.08	
February	0	-	0	0.0	0.00	
March	0	-	4	0.0	0.07	
April	0	-	1	0.0	0.02	
May	0	-	0	0.0	0.00	
June	0	-	1	0.0	0.07	
Death						
<i>2014</i>						
July	0	-	215	0.5	7.94	
August	0	-	203	0.4	6.58	
September	0	-	202	0.3	4.71	
October	0	-	278	0.4	6.01	
November	0	-	279	0.4	5.53	
December	0	-	577	0.5	8.07	

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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	968,437		968,437	63,300.4	0.00
February	839,745		839,745	54,895.8	0.00
March	842,609		842,609	55,072.5	0.00
April	706,705		706,705	46,193.7	0.00
May	603,402		603,402	39,443.7	0.00
June	408,679		408,679	14,815.4	0.00
Discharge from hospital alive					
2014					
July	412,741		412,741	26,822.4	0.00
August	469,578		469,578	30,561.8	0.00
September	653,999		653,999	42,542.2	0.00
October	704,165		704,165	45,881.1	0.00
November	769,168		769,168	50,031.2	0.00
December	1,119,897		1,119,897	70,850.7	0.00
2015					
January	961,986		961,986	62,670.4	0.00
February	835,197		835,197	54,433.4	0.00
March	837,991		837,991	54,604.4	0.00
April	702,861		702,861	45,797.8	0.00
May	600,296		600,296	39,128.2	0.00
June	406,630		406,630	14,710.0	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, 2014 and June 30, 2015 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
2015						
January	0	-	631	0.7	9.97	
February	0	-	373	0.4	6.79	
March	0	-	349	0.4	6.34	
April	0	-	274	0.4	5.93	
May	0	-	241	0.4	6.11	
June	0	-	80	0.2	5.40	
Discharge from hospital alive						
2014						
July	0	-	2,746	6.7	102.38	
August	0	-	2,962	6.3	96.92	
September	0	-	3,837	5.9	90.19	
October	0	-	4,167	5.9	90.82	
November	0	-	4,409	5.7	88.13	
December	0	-	6,943	6.2	97.99	
2015						
January	0	-	6,459	6.7	103.06	
February	0	-	5,037	6.0	92.54	
March	0	-	5,087	6.1	93.16	
April	0	-	4,294	6.1	93.76	
May	0	-	3,404	5.7	87.00	
June	0	-	1,478	3.6	100.48	

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, 2014 and June 30, 2015 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>2014</i>					
July	2,626		2,626		
August	2,978		2,978		
September	3,666		3,666		
October	3,722		3,722		
November	4,293		4,293		
December	10,093		10,093		
<i>2015</i>					
January	8,495		8,495		
February	5,553		5,553		
March	5,365		5,365		
April	4,463		4,463		
May	3,465		3,465		
June	2,602		2,602		
BiPAP					
<i>2014</i>					
July	296		296		
August	306		306		
September	430		430		
October	464		464		
November	557		557		
December	878		878		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
BiPAP						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	663		663		
February	551		551		
March	624		624		
April	486		486		
May	343		343		
June	341		341		
Supplemental oxygen					
2014					
July	7,728		7,728		
August	10,753		10,753		
September	17,711		17,711		
October	16,722		16,722		
November	18,243		18,243		
December	29,351		29,351		
2015					
January	24,428		24,428		
February	19,780		19,780		
March	20,106		20,106		
April	17,395		17,395		
May	14,292		14,292		
June	9,568		9,568		

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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Mechanical ventilation					
<i>2014</i>					
July	158		158		
August	173		173		
September	240		240		
October	240		240		
November	260		260		
December	729		729		
<i>2015</i>					
January	579		579		
February	409		409		
March	374		374		
April	306		306		
May	211		211		
June	170		170		
Critical Care					
<i>2014</i>					
July	2,390		2,390		
August	2,640		2,640		
September	3,252		3,252		
October	3,351		3,351		
November	3,890		3,890		
December	9,048		9,048		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Critical Care						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	7,424		7,424		
February	4,765		4,765		
March	4,747		4,747		
April	4,029		4,029		
May	3,128		3,128		
June	2,393		2,393		
ECMO					
2014					
July	2		2		
August	0		0		
September	2		2		
October	0		0		
November	2		2		
December	1		1		
2015					
January	2		2		
February	4		4		
March	3		3		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
ECMO						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Death					
<i>2014</i>					
July	53		53		
August	34		34		
September	62		62		
October	74		74		
November	70		70		
December	219		219		
<i>2015</i>					
January	216		216		
February	117		117		
March	87		87		
April	77		77		
May	53		53		
June	37		37		
Discharge from hospital alive					
<i>2014</i>					
July	2,403		2,403		
August	2,729		2,729		
September	3,375		3,375		
October	3,239		3,239		
November	3,851		3,851		
December	8,967		8,967		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	7,622		7,622		
February	5,062		5,062		
March	4,927		4,927		
April	4,058		4,058		
May	3,192		3,192		
June	2,381		2,381		
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis					
Hospitalization					
2014					
July	2		2		
August	1		1		
September	1		1		
October	6		6		
November	2		2		
December	79		79		
2015					
January	47		47		
February	17		17		
March	14		14		
April	6		6		
May	2		2		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis						
Hospitalization						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
BiPAP					
<i>2014</i>					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	1		1		
December	20		20		
<i>2015</i>					
January	11		11		
February	12		12		
March	5		5		
April	1		1		
May	0		0		
June	0		0		
Supplemental oxygen					
<i>2014</i>					
July	17		17		
August	17		17		
September	58		58		
October	112		112		
November	426		426		
December	2,689		2,689		

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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Supplemental oxygen						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	2,034		2,034		
February	999		999		
March	635		635		
April	246		246		
May	100		100		
June	33		33		
Mechanical ventilation					
2014					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	3		3		
2015					
January	3		3		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Critical Care					
<i>2014</i>					
July	0		0		
August	2		2		
September	2		2		
October	8		8		
November	6		6		
December	78		78		
<i>2015</i>					
January	60		60		
February	18		18		
March	15		15		
April	8		8		
May	4		4		
June	1		1		
ECMO					
<i>2014</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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
ECMO						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Death					
2014					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
2015					
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Death						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 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>2014</i>					
July	2		2		
August	1		1		
September	1		1		
October	6		6		
November	2		2		
December	70		70		
<i>2015</i>					
January	42		42		
February	17		17		
March	14		14		
April	6		6		
May	2		2		
June	0		0		
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis					
Hospitalization					
<i>2014</i>					
July	0		0		
August	1		1		
September	0		0		
October	1		1		
November	2		2		
December	45		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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis						
Hospitalization						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	31		31		
February	14		14		
March	8		8		
April	5		5		
May	1		1		
June	0		0		
BiPAP					
2014					
July	0		0		
August	1		1		
September	0		0		
October	0		0		
November	0		0		
December	3		3		
2015					
January	2		2		
February	1		1		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
BiPAP						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
Supplemental oxygen					
<i>2014</i>					
July	1		1		
August	7		7		
September	1		1		
October	9		9		
November	26		26		
December	137		137		
<i>2015</i>					
January	81		81		
February	60		60		
March	42		42		
April	16		16		
May	4		4		
June	3		3		
Mechanical ventilation					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	1		1		
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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Mechanical ventilation						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	4		4		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Critical Care					
2014					
July	0		0		
August	0		0		
September	0		0		
October	2		2		
November	4		4		
December	59		59		
2015					
January	30		30		
February	15		15		
March	10		10		
April	6		6		
May	2		2		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Critical Care						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
ECMO					
<i>2014</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2015</i>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Death					
<i>2014</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, 2014 and June 30, 2015 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>2014</i>						
July						
August						
September						
October						
November						
December						
<i>2015</i>						
January						
February						
March						
April						
May						
June						
Death						
<i>2014</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, 2014 and June 30, 2015 by Year and Month

Month	Members with a Diagnosis	Eligible Members ¹	New Diagnoses	Years at Risk	Dispensings per Member
2015					
January	2		2		
February	2		2		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
Discharge from hospital alive					
2014					
July	0		0		
August	1		1		
September	0		0		
October	1		1		
November	1		1		
December	33		33		
2015					
January	20		20		
February	12		12		
March	7		7		
April	3		3		
May	0		0		
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, 2014 and June 30, 2015 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
2015						
January						
February						
March						
April						
May						
June						
Discharge from hospital alive						
2014						
July						
August						
September						
October						
November						
December						
2015						
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, 2015)

DP ID	DP Start Date ¹	DP End Date ¹
DP01	1/1/2000	6/30/2015
DP02	1/1/2004	6/30/2015
DP03	1/1/2008	6/30/2015
DP04	6/1/2007	6/30/2015
DP05	1/1/2000	6/30/2015
DP06	1/1/2000	6/30/2015
DP07	1/1/2000	6/30/2015
DP08	1/1/2000	6/30/2015
DP09	1/1/2008	6/30/2015
DP10	1/1/2000	6/30/2015
DP11	6/1/2007	6/30/2015
DP12	1/1/2006	6/30/2015

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
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

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
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
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

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
488.19	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
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

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
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
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

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
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-PCS
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-PCS
5A09457	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-PCS
5A09557	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-PCS
0B717DZ	Dilation of Trachea with Intraluminal Device, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B718DZ	Dilation of Trachea with Intraluminal Device, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BH072Z	Insertion of Monitoring Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH073Z	Insertion of Infusion Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH07DZ	Insertion of Intraluminal Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH07YZ	Insertion of Other Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH172Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH17YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH182Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BH18YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHK72Z	Insertion of Monitoring Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHK73Z	Insertion of Infusion Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHK7YZ	Insertion of Other Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHK82Z	Insertion of Monitoring Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHK83Z	Insertion of Infusion Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHK8YZ	Insertion of Other Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHL72Z	Insertion of Monitoring Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHL73Z	Insertion of Infusion Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHL7YZ	Insertion of Other Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHL82Z	Insertion of Monitoring Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHL83Z	Insertion of Infusion Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHL8YZ	Insertion of Other Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DH57BZ	Insertion of Airway into Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DH58BZ	Insertion of Airway into Esophagus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0WHQ73Z	Insertion of Infusion Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHQ7YZ	Insertion of Other Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
5A1935Z	Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-PCS
5A1945Z	Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-PCS

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
5A1955Z	Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-PCS
5A09358	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-PCS
5A0955B	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-PCS
5A09558	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-PCS
5A09559	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-PCS
5A09459	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-PCS
5A0945B	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-PCS
5A09458	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-PCS
5A0935B	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-PCS
5A09359	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-PCS
5A0935Z	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-PCS
5A0955Z	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-PCS
5A0945Z	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-PCS
4168F	Patient receiving care in the intensive care unit (ICU) and receiving mechanical ventilation, 24 hours or less (CRIT)	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

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	Code Type
	CRITICAL OR OBSERVATIONAL CARE	Category	
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
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

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Code	Description	Code Category	Code Type
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
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

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
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
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-PCS
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

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
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
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

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
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
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) influenza virus vaccine quad vs 2014-2015 (36 mos and older) influenza virus vaccine trival 2014-15 (36 mos and older)/PF influenza virus vaccine trivalent 2014-15 (36 mos and older) influenza virus vaccine quadrival 2014-15(36 mos, older)/PF influenza virus vaccine trivalent 2014-2015 (5 yr, older)/PF influenza virus vaccine trivalent 2014-2015 (5 yr and older) influenza virus vaccine tv 2014-2015(18 yrs, older)recomb/PF influenza virus vaccine trival 2014-15 (36 mos and older)/PF influenza virus vaccine trivalent 2014-15 (6 mos and older) influenza virus vaccine trivalent 2014-2015 (65 yr,older)/PF influenza virus vaccine quadrival 2014-15(36 mos, older)/PF influenza virus vaccine quadrival 2014-15 (6 mos-35 mos)/PF influenza virus vaccine quadrival 2014-2015(6 mos and older) influenza virus vaccine trivalent 2014-15 (18 yrs-64 yrs)/PF influenza virus vaccine trival 2014-15 (36 mos and older)/PF influenza virus vaccine quadrival 2014-15(36 mos, older)/PF influenza vaccine tv split 2014-15 (18 yr,up)cell derived/PF influenza virus vaccine trivalent 2014-2015 (4 yr, older)/PF influenza virus vaccine trivalent 2014-2015 (4 yr and older) influenza vaccine tv split 2014-15 (18 yr,up)cell derived/PF	Flumist Quad 2014-2015 Flulaval Quad 2014-2015 Flulaval 2014-2015 (PF) Flulaval 2014-2015 Flulaval Quad 2014-2015 (PF) Afluria 2014-2015 (PF) Afluria 2014-2015 Flublok 2014-2015 (PF) Fluzone 2014-2015 (PF) Fluzone 2014-2015 Fluzone High-Dose 2014-15 (PF) Fluzone Quad 2014-2015 (PF) Fluzone Quad Pedi 2014-15 (PF) Fluzone Quad 2014-2015 Fluzone Intraderm 2014-15 (PF) Fluarix 2014-2015 (PF) Fluarix Quad 2014-2015 (PF) Flucelvax 2014-2015 (PF) Fluvirin 2014-2015 (PF) Fluvirin 2014-2015 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) influenza virus vaccine quadrival 2015-2016 (36 mos, older) influenza virus vaccine trivalent 2015-2016 (5 yr, older)/PF influenza virus vaccine trivalent 2015-2016 (5 yr and older) influenza virus vaccine tv 2015-2016(18 yrs, older)recomb/PF influenza virus vaccine trivalent 2015-16 (6 mos and older) influenza virus vaccine trivalent split 2015-16(65 yr,up)/PF influenza virus vaccine quadrival split2015-16(36 mos,up)/PF influenza virus vaccine quadrival 2015-16 (6 mos-35 mos)/PF influenza virus vaccine qvalsplit 2015-2016(6 mos and older) influenza virus vaccine quadrivalent 2015-16(18yrs-64yrs)/PF influenza virus vaccine quadrival split2015-16(36 mos,up)/PF influenza vaccine trivalent 2015-16(18 yr,up)cell derived/PF influenza vaccine tvs 2015-16 (65 yr,up)/adjuvant MF59C.1/PF influenza virus vaccine trivalent 2015-2016 (4 yr, older)/PF influenza virus vaccine trivalent 2015-2016 (4 yr and older) influenza virus vaccine trivalent 2015-2016 (4 yr, older)/PF influenza vaccine trivalent 2015-16(18 yr,up)cell derived/PF	Flumist Quad 2015-2016 Flulaval Quad 2015-2016 Afluria 2015-2016 (PF) Afluria 2015-2016 Flublok 2015-2016 (PF) Fluzone 2015-2016 Fluzone High-Dose 2015-16 (PF) Fluzone Quad 2015-2016 (PF) Fluzone Quad Pedi 2015-16 (PF) Fluzone Quad 2015-2016 Fluzone Intraderm Quad 2015-16 Fluarix Quad 2015-2016 (PF) Flucelvax 2015-2016 (PF) Fluad 2015-16(65yr+)(PF) Fluvirin 2015-2016 (PF) Fluvirin 2015-2016 EZ Flu 2015-16 (Fluvirin) (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	Prevnar (PF)
pneumococcal 23-valent polysaccharide vaccine	Pneumovax 23
pneumococcal 13-valent conjugate vaccine (Diphtheria crm)/PF	Prevnar 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
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

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
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
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

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
Diabetes			
250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as	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
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

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
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
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

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
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
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

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
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
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

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Code	Description	Code Category	Code Type
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 (NKHHCPCS)	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
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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 (NKHHCPCS)	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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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-9-CM
648.00	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	Diagnosis	ICD-9-CM
648.01	Maternal diabetes mellitus with delivery	Diagnosis	ICD-9-CM
648.02	Maternal diabetes mellitus with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
648.03	Maternal diabetes mellitus, antepartum	Diagnosis	ICD-9-CM

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Code	Description	Code Category	Code Type
648.04	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-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
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

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Code	Description	Code	
		Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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

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Code	Description	Code Category	Code Type
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
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-PCS
0D1607A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1607B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1607L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160J9	Bypass Stomach to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JA	Bypass Stomach to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JB	Bypass Stomach to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
0D160K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160Z9	Bypass Stomach to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D160ZA	Bypass Stomach to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D160ZB	Bypass Stomach to Ileum, Open Approach	Procedure	ICD-10-PCS
0D160ZL	Bypass Stomach to Transverse Colon, Open Approach	Procedure	ICD-10-PCS
0D16479	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164J9	Bypass Stomach to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164JA	Bypass Stomach to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164JB	Bypass Stomach to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164Z9	Bypass Stomach to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164ZA	Bypass Stomach to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164ZB	Bypass Stomach to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164ZL	Bypass Stomach to Transverse Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D16879	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1687A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1687B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

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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-PCS
0D168J9	Bypass Stomach to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JA	Bypass Stomach to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JB	Bypass Stomach to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168Z9	Bypass Stomach to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZA	Bypass Stomach to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZB	Bypass Stomach to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZL	Bypass Stomach to Transverse Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D19079	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1907A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1907B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190JB	Bypass Duodenum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190Z9	Bypass Duodenum to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D190ZA	Bypass Duodenum to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D190ZB	Bypass Duodenum to Ileum, Open Approach	Procedure	ICD-10-PCS
0D19479	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1947A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1947B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
0D194JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194JB	Bypass Duodenum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194Z9	Bypass Duodenum to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194ZA	Bypass Duodenum to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194ZB	Bypass Duodenum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D19879	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1987A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1987B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198JB	Bypass Duodenum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198Z9	Bypass Duodenum to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198ZA	Bypass Duodenum to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198ZB	Bypass Duodenum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A07A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A07B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0JB	Bypass Jejunum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0ZA	Bypass Jejunum to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D1A0ZB	Bypass Jejunum to Ileum, Open Approach	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
0D1A47A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A47B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4JB	Bypass Jejunum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4ZA	Bypass Jejunum to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4ZB	Bypass Jejunum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A87A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A87B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8JB	Bypass Jejunum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZA	Bypass Jejunum to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZB	Bypass Jejunum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZH	Bypass Jejunum to Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B07B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0JB	Bypass Ileum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0ZB	Bypass Ileum to Ileum, Open Approach	Procedure	ICD-10-PCS
0D1B47B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B4JB	Bypass Ileum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B4KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B4ZB	Bypass Ileum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B87B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8JB	Bypass Ileum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

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
0D1B8KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8ZB	Bypass Ileum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8ZH	Bypass Ileum to Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DB60Z3	Excision of Stomach, Open Approach, Vertical	Procedure	ICD-10-PCS
0DB60ZZ	Excision of Stomach, Open Approach	Procedure	ICD-10-PCS
0DB63Z3	Excision of Stomach, Percutaneous Approach, Vertical	Procedure	ICD-10-PCS
0DB63ZZ	Excision of Stomach, Percutaneous Approach	Procedure	ICD-10-PCS
0DB67Z3	Excision of Stomach, Via Natural or Artificial Opening, Vertical	Procedure	ICD-10-PCS
0DB67ZZ	Excision of Stomach, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB68Z3	Excision of Stomach, Via Natural or Artificial Opening Endoscopic, Vertical	Procedure	ICD-10-PCS
0DB80ZZ	Excision of Small Intestine, Open Approach	Procedure	ICD-10-PCS
0DB90ZZ	Excision of Duodenum, Open Approach	Procedure	ICD-10-PCS
0DBB0ZZ	Excision of Ileum, Open Approach	Procedure	ICD-10-PCS
0DQ64ZZ	Repair Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DV64CZ	Restriction of Stomach with Extraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F190Z3	Bypass Common Bile Duct to Duodenum, Open Approach	Procedure	ICD-10-PCS
0TRB07Z	Replacement of Bladder with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
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
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

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
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
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

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
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

