

Disclaimer

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

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

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

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

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Overview for cder_mpl1r_wp034, Report 2 of 2

<u>Request ID:</u> cder_mpl1r_wp034_nsdp_v01

<u>Request Description</u>: In this report we estimated the number of pediatric patients 1 to <24 months of age with respiratory syncytial virus (RSV) and RSV-related events and related preventative services in the Sentinel Distributed Database (SDD). This is report 2 of 2. Report 1 contains estimates of the number of pediatric patients 0 to <24 months of age with RSV and RSV-related events and preventative services in the SDD.

<u>Sentinel Routine Querying Module</u>: Cohort Identification and Descriptive Analysis (CIDA) module, version 3.0.2.

Data Source: We included data from January 1, 2008 to September 30, 2015 from 16 Data Partners contributing to the SDD in this request. This request was distributed to Data Partners on August 7, 2016. See Appendix A for a list of the latest dates of available data for each Data Partner.

<u>Study Design</u>: We designed this request to calculate background rates of RSV and RSV-related events among children 1 to <24 months of age.

Events of Interest: We evaluated children aged 1 to <24 months for the following seven definitions for RSV-related events:

- 1) An RSV diagnosis in the inpatient, ambulatory, or emergency care setting
- 2) An RSV diagnosis in the inpatient or emergency care setting or two RSV diagnoses in the ambulatory care setting within 14 days of each other
- 3) A polymerase chain reaction (PCR) lab test for RSV or an antigen lab test for RSV
- 4) A PCR lab test for RSV
- 5) An antigen lab test for RSV
- 6) A Synagis dispensing or procedure
- 7) A bronchiolitis diagnosis

The events above were defined using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) codes, National Drug Codes (NDCs), Current Procedural Terminology, Fourth Edition (CPT-4) codes, and Healthcare Common Procedure Coding System (HCPCS) codes. Please see Appendix B for specific codes used to define the events of interest in this request. In order for an event to be included, we required that there was no evidence of an event of that type in the prior 30 days. All qualifying RSV-related events between January 1, 2008 and September 30, 2015 were considered for each child; cohort re-entry was allowed.

Cohort Eligibility Criteria: Members included in each cohort were required to be enrolled in plans with both medical and drug coverage for at least one day prior to the event of interest. The cohorts included the following age categories: 1-2, 1-5, 3-5, 6-11, 6-17, 12-23, and 18-23 months.

Please see Appendix C for the specifications of parameters used in the analyses for this request.

<u>Limitations</u>: Algorithms used to define exposures and events are imperfect and may be misclassified. Therefore, data should be interpreted with this limitation in mind.

<u>Notes:</u> Please contact the Sentinel Operations Center (info@sentinelsystem.org) for questions and to provide comments/suggestions for future enhancements to this document.



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<u>Appendix C</u>	Specifications Defining Parameters used in this Request



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).

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



RSV-Related Event	New Members with Event	New Event Episodes	Eligible Members	Member-Years	Incidence per 1,000 Eligible Members
RSV diagnosis in IP, ED, or AV care setting ¹	85,705	89,602	6,721,652	6,634,104.9	12.75
RSV diagnosis in IP or ED care setting or two RSV diagnoses in AV care setting ¹	41,564	42,040	6,721,652	6,634,104.9	6.18
Polymerase chain reaction (PCR) lab test for RSV or antigen lab test for RSV	82,755	90,181	6,721,652	6,634,104.9	12.31
PCR lab test for RSV	65,573	71,206	6,721,652	6,634,104.9	9.76
Antigen lab test for RSV	17,887	19,392	6,721,652	6,634,104.9	2.66
Synagis dispensing or procedure	23,441	32,174	6,721,652	6,634,104.9	3.49
Bronchiolitis diagnosis	765,108	965,071	6,721,652	6,634,104.9	113.83

¹IP = inpatient hospital stay care setting

ED = emergency department care setting

AV = ambulatory visit care setting



RSV Diagnosis in IP, ED, or AV Care Setting ¹ 1-2 Months 14,340 14,394 3,762,705 555,066.6 3.81 1-5 Months 34,254 34,861 4,241,101 1,398,363.2 8.08 3-5 Months 20,226 20,467 3,824,481 843,295.6 5.29 6-11 Months 26,545 27,094 4,258,924 1,720,109.7 6.23 12-17 Months 16,371 16,641 4,362,134 1,746,803.1 3.75 12-23 Months 10,834 11,006 4,360,536 1,770,828.9 2.48 RSV Diagnosis in IP or ED Care Setting or Two RSV Diagnoses in AV Care Setting' 1.2 1.2 Months 1,388,363.2 4.24 3-5 Months 9,555 9,568 3,824,481 843,296.6 2.50 6-11 Months 11,689 11,727 4,258,924 1,720,109.7 2.74 12-17 Months 12,203 12,270 5,181,940 3,515,632.0 2.35 12-23 Months 12,044 12,106 3,762,705 555,066.6 3.20 <th></th> <th>New Members with</th> <th>New Event</th> <th></th> <th></th> <th>Incidence per 1,000</th>		New Members with	New Event			Incidence per 1,000
1-2 Months 14,340 14,394 3,762,705 555,066.6 3.81 1-5 Months 34,254 34,861 4,241,101 1,398,363.2 8.08 3-5 Months 20,226 20,467 3,824,481 843,296.5 5.29 6-11 Months 26,545 27,094 4,258,924 1,720,109.7 6.23 12-23 Months 16,371 16,641 4,362,134 1,744,803.1 3.75 12-23 Months 10,834 11,006 4,360,536 1,770,823.0 2.248 RSV Diagnoses in IV OCC Setting* 1-2 Months 8,469 8,475 3,762,705 555,066.6 2.25 1-5 Months 17,899 11,727 4,258,924 1,720,109.7 2.74 1-2 Months 12,203 12,270 5,181,940 3,515,632.0 2.35 1-2 JA Months 12,203 12,270 5,181,940 3,515,632.0 2.66 1-2 Months 12,044 12,105 3,762,705 555,066.6 3.20 1-2 Months 16,819			Episodes	Eligible Members	Member-Years	Eligible Members
1-5 Months 34,254 34,861 4,241,101 1,398,363.2 8.08 3-5 Months 20,226 20,467 3,824,481 843,296.6 5.29 6-11 Months 16,371 16,641 4,362,134 1,744,803.1 3.75 12-27 Months 16,371 16,641 4,362,134 1,744,803.1 3.75 12-23 Months 26,988 27,647 5,181,940 3,515,632.0 5.21 12-20 Months 10,834 11,006 4,360,536 1.770,828.9 2.48 RSV Diagnosis in IP OF ED Care Setting or Two RSV Diagnoses in AV Care Setting* - - 2.40 3.5 555,066.6 2.25 1-5 Months 17,989 18,043 4,241,101 1,398,363.2 4.24 3-5 Months 9,555 9,568 3,824,481 4,3296.6 2.50 6-11 Months 11,689 11,727 4,258,924 1,720,109.7 2.74 12-17 Months 12,004 12,270 5,181,940 3,515,632.0 2.35 13-2 Months 12,044	RSV Diagnosis in IP, E	D, or AV Care Setting ¹				
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SV Diagnosis in IP or ED Care Setting or Two RSV Diagnoses in AV Care Setting ¹ 1-2 Months 8,469 8,475 3,762,705 555,066.6 2.25 1-5 Months 17,989 18,043 4,241,101 1,398,363.2 4.24 3-5 Months 9,555 9,568 3,824,481 843,296.6 2.50 6-11 Months 11,689 11,727 4,258,924 1,720,109.7 2.74 12-17 Months 7,381 7,403 4,362,134 1,744,803.1 1.69 12-23 Months 12,203 12,270 5,181,940 3,515,632.0 2.35 18-23 Months 4,851 4,867 4,360,536 1,770,828.9 1.11 Polymerase Chain Reaction (PCR) Lab Test for RSV or Antigen Lab Test for RSV 1-2 Months 28,373 29,170 4,241,101 1,398,363.2 6.69 3-5 Months 16,819 17,064 3,824,481 843,296.6 4.40 6-11 Months 23,739 24,644 4,258,924 1,720,109.7 5.57 12-17 Months 16,819 17,064 3,824,481<	12-23 Months	26,988	27,647	5,181,940	3,515,632.0	5.21
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6-11 Months 11,689 11,727 4,258,924 1,720,109.7 2.74 12-17 Months 7,381 7,403 4,362,134 1,744,803.1 1.69 12-23 Months 12,203 12,270 5,181,940 3,515,632.0 2.35 18-23 Months 4,851 4,867 4,360,536 1.770,828.9 1.11 tolymerase Chain Reaction (PCR) Lab Test for RSV or Antigen Lab Test for RSV 1-2 Months 12,004 12,106 3,762,705 555,066.6 3.20 1-5 Months 16,819 17,064 3,824,481 843,296.6 4.40 6-11 Months 23,739 24,644 4,258,924 1,720,109.7 5.57 12-17 Months 19,752 20,404 4,362,134 1,744,803.1 4.53 12-23 Months 34,431 36,367 5,181,940 3,515,632.0 6.64 18-23 Months 10,300 10,345 3,762,705 555,066.6 2.74 1-5 Months 14,139 14,333 3,824,481 843,296.6 3.70	1-5 Months	17,989	18,043	4,241,101	1,398,363.2	4.24
12-17 Months 7,381 7,403 4,362,134 1,744,803.1 1.69 12-23 Months 12,203 12,270 5,181,940 3,515,632.0 2.35 18-23 Months 4,851 4,867 4,360,536 1,770,828.9 1.11 Polymerase Chain Reaction (PCR) Lab Test for RSV or Antigen Lab Test for RSV 3,762,705 555,066.6 3.20 1-2 Months 12,044 12,106 3,762,705 555,066.6 3.20 1-5 Months 28,373 29,170 4,241,101 1,398,363.2 6.69 3-5 Months 16,819 17,064 3,824,481 843,296.6 4.40 6-11 Months 23,739 24,644 4,258,924 1,720,109.7 5.57 12-17 Months 19,752 20,404 4,362,134 1,744,803.1 4.53 12-23 Months 34,431 36,367 5,181,940 3,515,632.0 6.64 18-23 Months 14,139 14,333 3,824,481 843,296.6 3.70 1-2 Months 18,957 19,629 4,258,924 <t< td=""><td>3-5 Months</td><td>9,555</td><td>9,568</td><td>3,824,481</td><td>843,296.6</td><td>2.50</td></t<>	3-5 Months	9,555	9,568	3,824,481	843,296.6	2.50
12-23 Months12,20312,2705,181,9403,515,632.02.3518-23 Months4,8514,8674,360,5361,770,828.91.11bolymerase Chain Reaction (PCR) Lab Test for RSV or Antigen Lab Test for RSV1-2 Months12,04412,1063,762,705555,066.63.201-5 Months28,37329,1704,241,1011,398,363.26.693-5 Months16,81917,0643,824,481843,296.64.406-11 Months23,73924,6444,258,9241,720,109.75.5712-17 Months19,75220,4044,362,1341,744,803.14.5312-23 Months34,43136,3675,181,9403,515,632.06.6418-23 Months15,51415,9634,360,5361,770,828.93.56VCR Lab Test for RSV	6-11 Months	11,689	11,727	4,258,924	1,720,109.7	2.74
18-23 Months 4,851 4,867 4,360,536 1,770,828.9 1.11 Polymerase Chain Reaction (PCR) Lab Test for RSV or Antigen Lab Test for RSV 1-2 Months 12,004 12,106 3,762,705 555,066.6 3.20 1-5 Months 28,373 29,170 4,241,101 1,398,363.2 6.69 3-5 Months 16,819 17,064 3,824,481 843,296.6 4.40 6-11 Months 23,739 24,644 4,258,924 1,720,109.7 5.57 12-17 Months 19,752 20,404 4,362,134 1,744,803.1 4.53 12-23 Months 34,431 36,6367 5,181,940 3,515,632.0 6.64 18-23 Months 15,514 15,963 4,360,736 1,770,828.9 3.56 VCR Lab Test for RSV 1-2 24,047 24,678 4,241,101 1,398,363.2 5.67 1-2 Months 10,300 10,345 3,762,705 555,066.6 2.74 1-5 Months 14,139 14,333 3,824,481 843,296.6 3.70	12-17 Months	7,381	7,403	4,362,134	1,744,803.1	1.69
Polymerase Chain Reaction (PCR) Lab Test for RSV or Antigen Lab Test for RSV 1-2 Months 12,044 12,106 3,762,705 555,066.6 3.20 1-5 Months 28,373 29,170 4,241,101 1,398,363.2 6.69 3-5 Months 16,819 17,064 3,824,481 843,296.6 4.40 6-11 Months 23,739 24,644 4,258,924 1,720,109.7 5.57 12-17 Months 19,752 20,404 4,362,134 1,744,803.1 4.53 12-23 Months 34,431 36,367 5,181,940 3,515,632.0 6.64 18-23 Months 15,514 15,963 4,360,536 1,770,828.9 3.56 PCR Lab Test for RSV	12-23 Months	12,203	12,270	5,181,940	3,515,632.0	2.35
1-2 Months $12,044$ $12,106$ $3,762,705$ $555,066.6$ 3.20 $1-5$ Months $28,373$ $29,170$ $4,241,101$ $1,398,363.2$ 6.69 $3-5$ Months $16,819$ $17,064$ $3,824,481$ $843,296.6$ 4.40 $6-11$ Months $23,739$ $24,644$ $4,258,924$ $1,720,109.7$ 5.57 $12-17$ Months $19,752$ $20,404$ $4,362,134$ $1,744,803.1$ 4.53 $12-23$ Months $34,431$ $36,367$ $5,181,940$ $3,515,632.0$ 6.64 $18-23$ Months $15,514$ $15,963$ $4,360,536$ $1,770,828.9$ 3.56 CR Lab Test for RSV	18-23 Months	4,851	4,867	4,360,536	1,770,828.9	1.11
1-5 Months28,37329,1704,241,1011,398,363.26.693-5 Months16,81917,0643,824,481843,296.64.406-11 Months23,73924,6444,258,9241,720,109.75.5712-17 Months19,75220,4044,362,1341,744,803.14.5312-23 Months34,43136,3675,181,9403,515,632.06.6418-23 Months15,51415,9634,360,5361,770,828.93.56CR Lab Test for RSV1-2 Months10,30010,3453,762,705555,066.62.741-5 Months24,04724,6784,241,1011,398,363.25.673-5 Months14,13914,3333,824,481843,296.63.706-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.921-2 Months1,59511,9214,360,5361,770,828.92.66Intigen Lab Test for RSVIntigen Lab Test for RSVIntigen Lab Test for RSVIntigen Lab Test for RSVIntigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,	olymerase Chain Re	action (PCR) Lab Test for	RSV or Antigen L	ab Test for RSV		
3-5 Months16,81917,0643,824,481843,296.64.406-11 Months23,73924,6444,258,9241,720,109.75.5712-17 Months19,75220,4044,362,1341,744,803.14.5312-23 Months34,43136,3675,181,9403,515,632.06.6418-23 Months15,51415,9634,360,5361,770,828.93.56CR Lab Test for RSV1-2 Months10,30010,3453,762,705555,066.62.741-5 Months24,04724,6784,241,1011,398,363.25.673-5 Months14,13914,3333,824,481843,296.63.706-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.921-2 Months1,59511,9214,360,5361,770,828.92.66Intigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,9315,1354,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.0 </td <td>1-2 Months</td> <td>12,044</td> <td>12,106</td> <td>3,762,705</td> <td>555,066.6</td> <td>3.20</td>	1-2 Months	12,044	12,106	3,762,705	555,066.6	3.20
6-11 Months23,73924,6444,258,9241,720,109.75.5712-17 Months19,75220,4044,362,1341,744,803.14.5312-23 Months34,43136,3675,181,9403,515,632.06.6418-23 Months15,51415,9634,360,5361,770,828.93.56CR Lab Test for RSV	1-5 Months	28,373	29,170	4,241,101	1,398,363.2	6.69
12-17 Months19,75220,4044,362,1341,744,803.14.5312-23 Months34,43136,3675,181,9403,515,632.06.6418-23 Months15,51415,9634,360,5361,770,828.93.56CR Lab Test for RSV1-2 Months10,30010,3453,762,705555,066.62.741-5 Months24,04724,6784,241,1011,398,363.25.673-5 Months14,13914,3333,824,481843,296.63.706-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months1,7951,8083,762,705555,066.60.481-5 Months1,7951,8083,762,705555,066.60.481-5 Months1,7951,8083,762,705555,066.60.481-5 Months1,9315,1354,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	3-5 Months	16,819	17,064	3,824,481	843,296.6	4.40
12-23 Months34,43136,3675,181,9403,515,632.06.6418-23 Months15,51415,9634,360,5361,770,828.93.56 CR Lab Test for RSV 1-2 Months10,30010,3453,762,705555,066.62.741-5 Months24,04724,6784,241,1011,398,363.25.673-5 Months14,13914,3333,824,481843,296.63.706-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months11,59511,9214,360,5361,770,828.92.66Intigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,228,9241,720,109.71.1612-17 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	6-11 Months	23,739	24,644	4,258,924	1,720,109.7	5.57
18-23 Months15,51415,9634,360,5361,770,828.93.56YCR Lab Test for RSV1-2 Months10,30010,3453,762,705555,066.62.741-5 Months24,04724,6784,241,1011,398,363.25.673-5 Months14,13914,3333,824,481843,296.63.706-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months11,59511,9214,360,5361,770,828.92.66Intigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	12-17 Months	19,752	20,404	4,362,134	1,744,803.1	4.53
VCR Lab Test for RSV 1-2 Months 10,300 10,345 3,762,705 555,066.6 2.74 1-5 Months 24,047 24,678 4,241,101 1,398,363.2 5.67 3-5 Months 14,139 14,333 3,824,481 843,296.6 3.70 6-11 Months 18,957 19,629 4,258,924 1,720,109.7 4.45 12-17 Months 14,508 14,978 4,362,134 1,744,803.1 3.33 12-23 Months 25,470 26,899 5,181,940 3,515,632.0 4.92 18-23 Months 11,595 11,921 4,360,536 1,770,828.9 2.66 Antigen Lab Test for RSV 11 1.595 1,808 3,762,705 555,066.6 0.48 1-5 Months 1,795 1,808 3,762,705 555,066.6 0.48 1-5 Months 2,730 2,777 3,824,481 843,296.6 0.71 3-5 Months 2,730 2,777 3,824,481 843,296.6 0.71 6-11 Months 4,931	12-23 Months	34,431	36,367	5,181,940	3,515,632.0	6.64
1-2 Months10,30010,3453,762,705555,066.62.741-5 Months24,04724,6784,241,1011,398,363.25.673-5 Months14,13914,3333,824,481843,296.63.706-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months11,59511,9214,360,5361,770,828.92.66Intigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	18-23 Months	15,514	15,963	4,360,536	1,770,828.9	3.56
1-5 Months24,04724,6784,241,1011,398,363.25.673-5 Months14,13914,3333,824,481843,296.63.706-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months11,59511,9214,360,5361,770,828.92.66Intigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	CR Lab Test for RSV					
3-5 Months14,13914,3333,824,481843,296.63.706-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months11,59511,9214,360,5361,770,828.92.66Intigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	1-2 Months	10,300	10,345	3,762,705	555,066.6	2.74
6-11 Months18,95719,6294,258,9241,720,109.74.4512-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months11,59511,9214,360,5361,770,828.92.66Intrigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months1,7951,8083,762,705555,066.60.481-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	1-5 Months	24,047	24,678	4,241,101	1,398,363.2	5.67
12-17 Months14,50814,9784,362,1341,744,803.13.3312-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months11,59511,9214,360,5361,770,828.92.66Intigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	3-5 Months	14,139	14,333	3,824,481	843,296.6	3.70
12-23 Months25,47026,8995,181,9403,515,632.04.9218-23 Months11,59511,9214,360,5361,770,828.92.66antigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	6-11 Months	18,957	19,629	4,258,924	1,720,109.7	4.45
18-23 Months11,59511,9214,360,5361,770,828.92.66Antigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	12-17 Months	14,508	14,978	4,362,134	1,744,803.1	3.33
Antigen Lab Test for RSV1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	12-23 Months	25,470	26,899	5,181,940	3,515,632.0	4.92
1-2 Months1,7951,8083,762,705555,066.60.481-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	18-23 Months	11,595	11,921	4,360,536	1,770,828.9	2.66
1-5 Months4,4424,5854,241,1011,398,363.21.053-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	Antigen Lab Test for I	RSV				
3-5 Months2,7302,7773,824,481843,296.60.716-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	1-2 Months	1,795	1,808	3,762,705	555,066.6	0.48
6-11 Months4,9315,1354,258,9241,720,109.71.1612-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	1-5 Months	4,442	4,585	4,241,101	1,398,363.2	1.05
12-17 Months5,3845,5534,362,1341,744,803.11.2312-23 Months9,2249,6725,181,9403,515,632.01.78	3-5 Months	2,730	2,777	3,824,481	843,296.6	0.71
12-23 Months 9,224 9,672 5,181,940 3,515,632.0 1.78	6-11 Months	4,931	5,135	4,258,924	1,720,109.7	1.16
	12-17 Months	5,384	5,553	4,362,134	1,744,803.1	1.23
18-23 Months 4.006 4.119 4.360 536 1.770 828 9 0.92	12-23 Months	9,224	9,672	5,181,940	3,515,632.0	1.78
	18-23 Months	4,006	4,119	4,360,536	1,770,828.9	0.92



	New Members with	New Event			Incidence per 1,000
Age Group	Event	Episodes	Eligible Members	Member-Years	Eligible Members
Synagis Dispensing or	· Procedure				
1-2 Months	8,782	9,008	3,762,705	555,066.6	2.33
1-5 Months	16,025	17,812	4,241,101	1,398,363.2	3.78
3-5 Months	8,137	8,804	3,824,481	843,296.6	2.13
6-11 Months	7,539	8,934	4,258,924	1,720,109.7	1.77
12-17 Months	2,972	3,546	4,362,134	1,744,803.1	0.68
12-23 Months	4,154	5,428	5,181,940	3,515,632.0	0.80
18-23 Months	1,570	1,882	4,360,536	1,770,828.9	0.36
Bronchiolitis Diagnos	is				
1-2 Months	85,043	85,772	3,762,705	555,066.6	22.60
1-5 Months	283,425	303,024	4,241,101	1,398,363.2	66.83
3-5 Months	208,579	217,252	3,824,481	843,296.6	54.54
6-11 Months	304,942	338,034	4,258,924	1,720,109.7	71.60
12-17 Months	181,313	198,465	4,362,134	1,744,803.1	41.57
12-23 Months	282,438	324,013	5,181,940	3,515,632.0	54.50
18-23 Months	116,260	125,548	4,360,536	1,770,828.9	26.66

¹IP = inpatient hospital stay care setting

ED = emergency department care setting

AV = ambulatory visit care setting



	New Members with	New Event			Incidence per 1,00
Sex	Event	Episodes	Eligible Members	Member-Years	Eligible Members
RSV Diagnosis in IP	, ED, or AV Care Setting ¹				
Female	39,058	40,741	3,269,645	3,229,561.7	11.95
Male	46,645	48,859	3,451,499	3,404,214.8	13.51
Unknown	2	2	508	328.5	3.94
RSV Diagnosis in IP	or ED Care Setting or Two	RSV Diagnoses in	AV Care Setting ¹		
Female	18,783	18,991	3,269,645	3,229,561.7	5.74
Male	22,781	23,049	3,451,499	3,404,214.8	6.60
Unknown	0	0	508	328.5	0.00
Polymerase Chain	Reaction (PCR) Lab Test for	RSV or Antigen L	ab Test for RSV		
Female	37,196	40,407	3,269,645	3,229,561.7	11.38
Male	45,556	49,771	3,451,499	3,404,214.8	13.20
Unknown	3	3	508	328.5	5.91
PCR Lab Test for RS	SV				
Female	29,482	31,911	3,269,645	3,229,561.7	9.02
Male	36,088	39,292	3,451,499	3,404,214.8	10.46
Unknown	3	3	508	328.5	5.91
Antigen Lab Test fo	or RSV				
Female	8,007	8,667	3,269,645	3,229,561.7	2.45
Male	9,880	10,725	3,451,499	3,404,214.8	2.86
Unknown	0	0	508	328.5	0.00
Synagis Dispensing	or Procedure				
Female	11,045	15,111	3,269,645	3,229,561.7	3.38
Male	12,396	17,063	3,451,499	3,404,214.8	3.59
Unknown	0	0	508	328.5	0.00
Bronchiolitis Diagn	osis				
Female	321,263	396,421	3,269,645	3,229,561.7	98.26
Male	443,806	568,605	3,451,499	3,404,214.8	128.58
Unknown	39	45	508	328.5	76.77

¹IP = inpatient hospital stay care setting

ED = emergency department care setting

AV = ambulatory visit care setting



RSV Diagnosis in IP, ED	an AV Core Setting ¹	Episodes	Eligible Members	Member-Years	Eligible Members
2000	, or AV Care Setting				
2008	11,765	12,245	1,830,529	1,000,355.2	6.43
2009	11,248	11,594	1,701,999	946,296.7	6.61
2010	11,191	11,460	1,557,835	868,402.8	7.18
2011	11,760	12,016	1,453,915	809,892.3	8.09
2012	12,749	13,036	1,495,421	833,799.4	8.53
2013	12,453	12,688	1,484,801	820,977.0	8.39
2014	9,901	10,095	1,490,092	825,072.5	6.64
2015	6,380	6,468	1,171,321	529,309.0	5.45
RSV Diagnosis in IP or I	ED Care Setting or Two RS	V Diagnoses in A	V Care Setting ¹		
2008	5,896	5,937	1,830,529	1,000,355.2	3.22
2009	5,447	5,483	1,701,999	946,296.7	3.20
2010	5,514	5,541	1,557,835	868,402.8	3.54
2011	5,758	5,781	1,453,915	809,892.3	3.96
2012	5,935	5,963	1,495,421	833,799.4	3.97
2013	5,804	5,834	1,484,801	820,977.0	3.91
2014	4,631	4,657	1,490,092	825,072.5	3.11
2015	2,837	2,844	1,171,321	529,309.0	2.42
Polymerase Chain Rea	ction (PCR) Lab Test for R	SV or Antigen Lab	Test for RSV		
2008	4,924	5,139	1,830,529	1,000,355.2	2.69
2009	9,387	9,785	1,701,999	946,296.7	5.52
2010	11,681	12,172	1,557,835	868,402.8	7.50
2011	10,912	11,459	1,453,915	809,892.3	7.51
2012	13,125	13,899	1,495,421	833,799.4	8.78
2013	13,446	14,219	1,484,801	820,977.0	9.06
2014	14,952	15,813	1,490,092	825,072.5	10.03
2015	7,463	7,695	1,171,321	529,309.0	6.37
PCR Lab Test for RSV					
2008	2,376	2,435	1,830,529	1,000,355.2	1.30
2009	6,688	6,865	1,701,999	946,296.7	3.93
2010	9,403	9,776	1,557,835	868,402.8	6.04
2011	8,554	8,979	1,453,915	809,892.3	5.88
2012	10,767	11,413	1,495,421	833,799.4	7.20
2013	11,067	11,721	1,484,801	820,977.0	7.45
2014	12,916	13,667	1,490,092	825,072.5	8.67
2015	6,156	6,350	1,171,321	529,309.0	5.26



	New Members with	New Event			Incidence per 1,000
Year	Event	Episodes	Eligible Members	Member-Years	Eligible Members
Antigen Lab Test fo	or RSV				
2008	2,560	2,714	1,830,529	1,000,355.2	1.40
2009	2,735	2,943	1,701,999	946,296.7	1.61
2010	2,344	2,457	1,557,835	868,402.8	1.50
2011	2,437	2,546	1,453,915	809,892.3	1.68
2012	2,444	2,541	1,495,421	833,799.4	1.63
2013	2,494	2,582	1,484,801	820,977.0	1.68
2014	2,147	2,225	1,490,092	825,072.5	1.44
2015	1,354	1,384	1,171,321	529,309.0	1.16
Synagis Dispensing	or Procedure				
2008	6,588	8,758	1,830,529	1,000,355.2	3.60
2009	3,531	4,423	1,701,999	946,296.7	2.07
2010	3,360	3,983	1,557,835	868,402.8	2.16
2011	3,420	4,076	1,453,915	809,892.3	2.35
2012	3,557	4,011	1,495,421	833,799.4	2.38
2013	3,477	3,759	1,484,801	820,977.0	2.34
2014	2,530	2,779	1,490,092	825,072.5	1.70
2015	368	385	1,171,321	529,309.0	0.31
Bronchiolitis Diagn	osis				
2008	120,512	139,144	1,830,529	1,000,355.2	65.83
2009	118,076	136,570	1,701,999	946,296.7	69.37
2010	113,276	129,660	1,557,835	868,402.8	72.71
2011	108,731	124,460	1,453,915	809,892.3	74.78
2012	114,296	130,041	1,495,421	833,799.4	76.43
2013	107,244	122,249	1,484,801	820,977.0	72.23
2014	96,014	109,510	1,490,092	825,072.5	64.43
2015	65,678	73,437	1,171,321	529,309.0	56.07

¹IP = inpatient hospital stay care setting

ED = emergency department care setting

AV = ambulatory visit care setting



Year-Month	New Members with Event	New Event Episodes	Eligible Members	Member-Years	Incidence per 1,000 Eligible Members
	ED, or AV Care Setting ¹	New Event Episodes	Weinbers	Weinber-Tears	
2008	ED, OF AV Care Setting				
January	3,901	3,901	1,066,701	86,148.5	3.66
February	2,889	2,889	1,059,065	80,278.2	2.73
March	1,097	1,097	1,060,907	85,897.8	1.03
April	402	402	1,054,584	82,633.3	0.38
May	157	157	1,053,327	85,171.5	0.15
June	79	79	1,046,657	81,938.5	0.08
July	47	47	1,047,054	84,627.3	0.04
August	79	79	1,043,895	84,268.5	0.08
September	149	149	1,038,752	81,271.8	0.14
October	304	304	1,039,103	83,901.8	0.29
November	893	893	1,031,347	80,925.8	0.87
December	2,248	2,248	1,026,332	83,292.2	2.19
2009					
January	3,307	3,307	1,032,221	83,503.9	3.20
February	2,871	2,871	1,019,162	74,680.5	2.82
March	1,387	1,387	1,014,826	82,301.0	1.37
April	474	474	1,005,713	78,828.5	0.47
May	163	163	1,001,628	81,058.3	0.16
June	86	86	993,504	77,892.1	0.09
July	70	70	989,932	80,014.8	0.07
, August	86	86	983,135	79,409.3	0.09
September	161	161	975,860	76,396.5	0.16
October	308	308	972,033	78,588.7	0.32
November	736	736	964,312	75,724.9	0.76
December	1,945	1,945	958,613	77,898.2	2.03
2010	·		,	·	
January	3,189	3,189	939,193	76,048.3	3.40
February	3,304	3,304	929,843	68,174.0	3.55
March	1,708	1,708	926,231	75,225.0	1.84
April	421	421	919,161	72,050.1	0.46
May	151	151	915,169	74,154.2	0.16
June	86	86	912,470	71,401.0	0.09
July	45	45	908,764	73,538.8	0.05
August	73	73	903,084	73,041.0	0.08
September	107	107	899,597	70,302.0	0.12
October	231	231	895,216	72,409.6	0.26
November	580	580	889,746	69,886.3	0.65
December	1,565	1,565	888,369	72,172.5	1.76



	New Members with		Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2011					
January	2,687	2,687	865,533	70,108.1	3.10
February	3,453	3,453	859,497	63,002.9	4.02
March	2,508	2,508	858,226	69,712.5	2.92
April	661	661	853,516	66,884.4	0.77
May	206	206	851,340	68,962.2	0.24
June	58	58	848,767	66,446.3	0.07
July	42	42	846,244	68,428.7	0.05
August	65	65	845,864	68,249.5	0.08
September	114	114	843,962	65,929.9	0.14
October	267	267	842,663	68,135.0	0.32
November	584	584	840,147	65,895.2	0.70
December	1,371	1,371	838,438	68,137.6	1.64
2012					
January	2,483	2,483	883,354	71,626.1	2.81
February	2,791	2,791	878,712	66,725.2	3.18
March	2,013	2,013	879,793	71,390.3	2.29
April	653	653	876,008	68,672.9	0.75
May	228	228	874,695	70,894.5	0.26
June	91	91	873,566	68,367.1	0.10
July	50	50	867,026	70,149.4	0.06
August	84	84	867,766	70,101.0	0.10
September	173	173	867,101	67,773.7	0.20
October	415	415	866,277	70,071.9	0.48
November	973	973	864,739	67,844.6	1.13
December	3,082	3,082	863,497	70,182.5	3.57
2013					
January	4,003	4,003	867,852	70,418.8	4.61
February	2,663	2,663	863,355	63,358.0	3.08
March	1,354	1,354	863,861	70,213.9	1.57
April	452	452	857,749	67,340.5	0.53
May	167	167	859,615	69,587.6	0.19
June	64	64	856,701	67,110.3	0.07
July	53	53	862,812	69,720.2	0.06
August	75	75	859,729	69,466.7	0.09
September	148	148	857,661	67,144.4	0.17
October	353	353	859,610	69,507.8	0.41
November	942	942	857,261	67,279.9	1.10
December	2,414	2,414	860,850	69,829.1	2.80



	New Members with		Eligible		Incidence per 1,00
ear-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2014					
January	2,834	2,834	866,262	70,391.4	3.27
February	2,066	2,066	865,895	63,553.1	2.39
March	1,297	1,297	866,997	70,453.3	1.50
April	472	472	867,334	68,110.2	0.54
May	178	178	870,264	70,534.5	0.20
June	83	83	868,573	68,108.4	0.10
July	48	48	869,055	70,286.9	0.06
August	57	57	861,186	69,457.3	0.07
September	111	111	858,593	67,238.6	0.13
October	282	282	861,321	69,640.5	0.33
November	648	648	858,342	67,416.7	0.75
December	2,019	2,019	859,827	69,881.5	2.35
2015					
January	2,337	2,337	770,543	62,600.0	3.03
February	2,284	2,284	769,569	56,510.4	2.97
March	1,152	1,152	774,152	62,937.3	1.49
April	379	379	771,182	58,787.7	0.49
May	92	92	749,597	60,682.9	0.12
June	51	51	747,595	58,631.0	0.07
July	41	41	706,566	57,117.3	0.06
August	47	47	704,104	56,919.4	0.07
September	85	85	704,057	55,123.0	0.12
SV Diagnosis in IP o	or ED Care Setting or Tw	o RSV Diagnoses in AV C	Care Setting ¹		
2008					
January	1,978	1,978	1,066,701	86,148.5	1.85
February	1,459	1,459	1,059,065	80,278.2	1.38
March	537	537	1,060,907	85,897.8	0.51
April	171	171	1,054,584	82,633.3	0.16
May	63	63	1,053,327	85,171.5	0.06
June	31	31	1,046,657	81,938.5	0.03
July	19	19	1,047,054	84,627.3	0.02
August	24	24	1,043,895	84,268.5	0.02
September	58	58	1,038,752	81,271.8	0.06
October	116	116	1,039,103	83,901.8	0.11
November	417	417	1,031,347	80,925.8	0.40
December	1,064	1,064	1,026,332	83,292.2	1.04



	New Members wit	:h	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2009					
January	1,558	1,558	1,032,221	83,503.9	1.51
February	1,347	1,347	1,019,162	74,680.5	1.32
March	659	659	1,014,826	82,301.0	0.65
April	207	207	1,005,713	78,828.5	0.21
May	67	67	1,001,628	81,058.3	0.07
June	36	36	993,504	77,892.1	0.04
July	27	27	989,932	80,014.8	0.03
August	40	40	983,135	79,409.3	0.04
September	76	76	975,860	76,396.5	0.08
October	138	138	972,033	78,588.7	0.14
November	358	358	964,312	75,724.9	0.37
December	970	970	958,613	77,898.2	1.01
2010					
January	1,604	1,604	939,193	76,048.3	1.71
February	1,603	1,603	929,843	68,174.0	1.72
March	813	813	926,231	75,225.0	0.88
April	196	196	919,161	72,050.1	0.21
May	57	57	915,169	74,154.2	0.06
June	38	38	912,470	71,401.0	0.04
July	18	18	908,764	73,538.8	0.02
August	32	32	903,084	73,041.0	0.04
September	39	39	899,597	70,302.0	0.04
October	112	112	895,216	72,409.6	0.13
November	271	271	889,746	69,886.3	0.30
December	758	758	888,369	72,172.5	0.85
2011					
January	1,327	1,327	865,533	70,108.1	1.53
February	1,721	1,721	859,497	63,002.9	2.00
March	1,202	1,202	858,226	69,712.5	1.40
April	314	314	853,516	66,884.4	0.37
May	97	97	851,340	68,962.2	0.11
June	25	25	848,767	66,446.3	0.03
July	14	14	846,244	68,428.7	0.02
August	31	31	845,864	68,249.5	0.04
September	48	48	843,962	65,929.9	0.06
October	117	117	842,663	68,135.0	0.14
November	253	253	840,147	65,895.2	0.30
December	632	632	838,438	68,137.6	0.75



	New Members wit	th	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2012					
January	1,120	1,120	883,354	71,626.1	1.27
February	1,250	1,250	878,712	66,725.2	1.42
March	896	896	879,793	71,390.3	1.02
April	322	322	876,008	68,672.9	0.37
May	107	107	874,695	70,894.5	0.12
June	31	31	873,566	68,367.1	0.04
July	29	29	867,026	70,149.4	0.03
August	39	39	867,766	70,101.0	0.04
September	68	68	867,101	67,773.7	0.08
October	173	173	866,277	70,071.9	0.20
November	441	441	864,739	67,844.6	0.51
December	1,487	1,487	863,497	70,182.5	1.72
2013					
January	1,831	1,831	867,852	70,418.8	2.11
February	1,250	1,250	863,355	63,358.0	1.45
March	649	649	863,861	70,213.9	0.75
April	214	214	857,749	67,340.5	0.25
May	73	73	859,615	69,587.6	0.08
June	26	26	856,701	67,110.3	0.03
July	20	20	862,812	69,720.2	0.02
August	38	38	859,729	69,466.7	0.04
September	61	61	857,661	67,144.4	0.07
October	159	159	859,610	69,507.8	0.18
November	413	413	857,261	67,279.9	0.48
December	1,100	1,100	860,850	69,829.1	1.28
2014					
January	1,263	1,263	866,262	70,391.4	1.46
February	928	928	865,895	63,553.1	1.07
March	605	605	866,997	70,453.3	0.70
April	235	235	867,334	68,110.2	0.27
May	96	96	870,264	70,534.5	0.11
June	43	43	868,573	68,108.4	0.05
July	24	24	869,055	70,286.9	0.03
August	23	23	861,186	69,457.3	0.03
September	51	51	858,593	67,238.6	0.06
October	141	141	861,321	69,640.5	0.16
November	300	300	858,342	67,416.7	0.35
December	948	948	859,827	69,881.5	1.10



	New Members with		Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2015					
January	1,052	1,052	770,543	62,600.0	1.37
February	982	982	769,569	56,510.4	1.28
March	523	523	774,152	62,937.3	0.68
April	160	160	771,182	58,787.7	0.21
May	46	46	749,597	60,682.9	0.06
June	20	20	747,595	58,631.0	0.03
July	17	17	706,566	57,117.3	0.02
August	20	20	704,104	56,919.4	0.03
September	24	24	704,057	55,123.0	0.03
Polymerase Chain Re	eaction (PCR) Lab Test f	or RSV or Antigen Lab Te	est for RSV		
2008					
January	747	747	1,066,701	86,148.5	0.70
February	723	723	1,059,065	80,278.2	0.68
March	557	557	1,060,907	85,897.8	0.53
April	338	338	1,054,584	82,633.3	0.32
May	297	297	1,053,327	85,171.5	0.28
June	262	262	1,046,657	81,938.5	0.25
July	237	237	1,047,054	84,627.3	0.23
August	229	229	1,043,895	84,268.5	0.22
September	284	284	1,038,752	81,271.8	0.27
October	367	367	1,039,103	83,901.8	0.35
November	446	446	1,031,347	80,925.8	0.43
December	652	652	1,026,332	83,292.2	0.64
2009					
January	766	766	1,032,221	83,503.9	0.74
February	748	748	1,019,162	74,680.5	0.73
March	687	687	1,014,826	82,301.0	0.68
April	554	554	1,005,713	78,828.5	0.55
May	647	647	1,001,628	81,058.3	0.65
June	448	448	993,504	77,892.1	0.45
July	357	357	989,932	80,014.8	0.36
August	506	506	983,135	79,409.3	0.51
September	1,007	1,007	975,860	76,396.5	1.03
October	1,560	1,560	972,033	78,588.7	1.60
November	1,433	1,433	964,312	75,724.9	1.49
December	1,072	1,072	958,613	77,898.2	1.12



	New Members wi	th	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2010					
January	958	958	939,193	76,048.3	1.02
February	920	920	929,843	68,174.0	0.99
March	857	857	926,231	75,225.0	0.93
April	607	607	919,161	72,050.1	0.66
May	518	518	915,169	74,154.2	0.57
June	641	641	912,470	71,401.0	0.70
July	846	846	908,764	73,538.8	0.93
August	950	950	903,084	73,041.0	1.05
September	1,143	1,143	899,597	70,302.0	1.27
October	1,178	1,178	895,216	72,409.6	1.32
November	1,690	1,690	889,746	69,886.3	1.90
December	1,864	1,864	888,369	72,172.5	2.10
2011					
January	1,673	1,673	865,533	70,108.1	1.93
February	1,567	1,567	859,497	63,002.9	1.82
March	1,491	1,491	858,226	69,712.5	1.74
April	989	989	853,516	66,884.4	1.16
May	693	693	851,340	68,962.2	0.81
June	580	580	848,767	66,446.3	0.68
July	484	484	846,244	68,428.7	0.57
August	546	546	845,864	68,249.5	0.65
September	613	613	843,962	65,929.9	0.73
October	807	807	842,663	68,135.0	0.96
November	918	918	840,147	65,895.2	1.09
December	1,098	1,098	838,438	68,137.6	1.31
2012					
January	1,310	1,310	883,354	71,626.1	1.48
February	1,384	1,384	878,712	66,725.2	1.58
March	1,222	1,222	879,793	71,390.3	1.39
April	991	991	876,008	68,672.9	1.13
May	961	961	874,695	70,894.5	1.10
June	863	863	873,566	68,367.1	0.99
July	810	810	867,026	70,149.4	0.93
, August	969	969	867,766	70,101.0	1.12
September	1,012	1,012	867,101	67,773.7	1.17
October	1,240	1,240	866,277	70,071.9	1.43
November	1,340	1,340	864,739	67,844.6	1.55
December	1,797	1,797	863,497	70,182.5	2.08



	New Members wit	h	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2013					
January	1,728	1,728	867,852	70,418.8	1.99
February	1,353	1,353	863,355	63,358.0	1.57
March	1,139	1,139	863,861	70,213.9	1.32
April	1,017	1,017	857,749	67,340.5	1.19
May	933	933	859,615	69,587.6	1.09
June	794	794	856,701	67,110.3	0.93
July	879	879	862,812	69,720.2	1.02
August	904	904	859,729	69,466.7	1.05
September	1,122	1,122	857,661	67,144.4	1.31
October	1,341	1,341	859,610	69,507.8	1.56
November	1,429	1,429	857,261	67,279.9	1.67
December	1,580	1,580	860,850	69,829.1	1.84
2014					
January	1,574	1,574	866,262	70,391.4	1.82
February	1,356	1,356	865,895	63,553.1	1.57
March	1,192	1,192	866,997	70,453.3	1.37
April	1,144	1,144	867,334	68,110.2	1.32
May	1,334	1,334	870,264	70,534.5	1.53
June	1,258	1,258	868,573	68,108.4	1.45
July	1,113	1,113	869,055	70,286.9	1.28
August	1,068	1,068	861,186	69,457.3	1.24
September	1,195	1,195	858,593	67,238.6	1.39
October	1,343	1,343	861,321	69,640.5	1.56
November	1,336	1,336	858,342	67,416.7	1.56
December	1,900	1,900	859,827	69,881.5	2.21
2015					
January	1,389	1,389	770,543	62,600.0	1.80
February	1,193	1,193	769,569	56,510.4	1.55
March	1,083	1,083	774,152	62,937.3	1.40
April	937	937	771,182	58,787.7	1.22
May	778	778	749,597	60,682.9	1.04
June	601	601	747,595	58,631.0	0.80
July	518	518	706,566	57,117.3	0.73
August	532	532	704,104	56,919.4	0.76
September	664	664	704,057	55,123.0	0.94



	New Members wi	th	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
PCR Lab Test for RSV					
2008					
January	292	292	1,066,701	86,148.5	0.27
February	261	261	1,059,065	80,278.2	0.25
March	206	206	1,060,907	85,897.8	0.19
April	160	160	1,054,584	82,633.3	0.15
May	168	168	1,053,327	85,171.5	0.16
June	169	169	1,046,657	81,938.5	0.16
July	136	136	1,047,054	84,627.3	0.13
August	127	127	1,043,895	84,268.5	0.12
September	168	168	1,038,752	81,271.8	0.16
October	201	201	1,039,103	83,901.8	0.19
November	230	230	1,031,347	80,925.8	0.22
December	317	317	1,026,332	83,292.2	0.31
2009					
January	366	366	1,032,221	83,503.9	0.35
February	405	405	1,019,162	74,680.5	0.40
March	366	366	1,014,826	82,301.0	0.36
April	359	359	1,005,713	78,828.5	0.36
May	487	487	1,001,628	81,058.3	0.49
June	285	285	993,504	77,892.1	0.29
July	232	232	989,932	80,014.8	0.23
August	337	337	983,135	79,409.3	0.34
September	746	746	975,860	76,396.5	0.76
October	1,259	1,259	972,033	78,588.7	1.30
November	1,209	1,209	964,312	75,724.9	1.25
December	814	814	958,613	77,898.2	0.85
2010					
January	668	668	939,193	76,048.3	0.71
February	646	646	929,843	68,174.0	0.69
March	600	600	926,231	75,225.0	0.65
April	425	425	919,161	72,050.1	0.46
May	380	380	915,169	74,154.2	0.42
June	516	516	912,470	71,401.0	0.57
July	714	714	908,764	73,538.8	0.79
August	806	806	903,084	73,041.0	0.89
September	960	960	899,597	70,302.0	1.07
October	996	996	895,216	72,409.6	1.11
November	1,486	1,486	889,746	69,886.3	1.67
December	1,579	1,579	888,369	72,172.5	1.78



	New Members with		Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2011					
January	1,361	1,361	865,533	70,108.1	1.57
February	1,233	1,233	859,497	63,002.9	1.43
March	1,209	1,209	858,226	69,712.5	1.41
April	803	803	853,516	66,884.4	0.94
May	538	538	851,340	68,962.2	0.63
June	432	432	848,767	66,446.3	0.51
July	323	323	846,244	68,428.7	0.38
August	393	393	845,864	68,249.5	0.46
September	463	463	843,962	65,929.9	0.55
October	628	628	842,663	68,135.0	0.75
November	733	733	840,147	65,895.2	0.87
December	863	863	838,438	68,137.6	1.03
2012					
January	1,068	1,068	883,354	71,626.1	1.21
February	1,120	1,120	878,712	66,725.2	1.27
March	984	984	879,793	71,390.3	1.12
April	793	793	876,008	68,672.9	0.91
May	783	783	874,695	70,894.5	0.90
June	698	698	873,566	68,367.1	0.80
July	658	658	867,026	70,149.4	0.76
August	774	774	867,766	70,101.0	0.89
September	847	847	867,101	67,773.7	0.98
October	1,059	1,059	866,277	70,071.9	1.22
November	1,134	1,134	864,739	67,844.6	1.31
December	1,495	1,495	863,497	70,182.5	1.73
2013					
January	1,396	1,396	867,852	70,418.8	1.61
February	1,130	1,130	863,355	63,358.0	1.31
March	934	934	863,861	70,213.9	1.08
April	821	821	857,749	67,340.5	0.96
May	771	771	859,615	69,587.6	0.90
June	649	649	856,701	67,110.3	0.76
July	690	690	862,812	69,720.2	0.80
August	732	732	859,729	69,466.7	0.85
September	925	925	857,661	67,144.4	1.08
October	1,143	1,143	859,610	69,507.8	1.33
November	1,208	1,208	857,261	67,279.9	1.41
December	1,322	1,322	860,850	69,829.1	1.54



	New Members with		Eligible		Incidence per 1,000
ear-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2014					
January	1,313	1,313	866,262	70,391.4	1.52
February	1,153	1,153	865,895	63,553.1	1.33
March	1,004	1,004	866,997	70,453.3	1.16
April	983	983	867,334	68,110.2	1.13
May	1,171	1,171	870,264	70,534.5	1.35
June	1,133	1,133	868,573	68,108.4	1.30
July	953	953	869,055	70,286.9	1.10
August	896	896	861,186	69,457.3	1.04
September	1,050	1,050	858,593	67,238.6	1.22
October	1,168	1,168	861,321	69,640.5	1.36
November	1,182	1,182	858,342	67,416.7	1.38
December	1,661	1,661	859,827	69,881.5	1.93
2015					
January	1,192	1,192	770,543	62,600.0	1.55
February	1,012	1,012	769,569	56,510.4	1.32
March	901	901	774,152	62,937.3	1.16
April	805	805	771,182	58,787.7	1.04
May	656	656	749,597	60,682.9	0.88
June	472	472	747,595	58,631.0	0.63
July	383	383	706,566	57,117.3	0.54
August	417	417	704,104	56,919.4	0.59
September	512	512	704,057	55,123.0	0.73
ntigen Lab Test for	RSV				
2008					
January	455	455	1,066,701	86,148.5	0.43
February	463	463	1,059,065	80,278.2	0.44
March	353	353	1,060,907	85,897.8	0.33
April	179	179	1,054,584	82,633.3	0.17
May	129	129	1,053,327	85,171.5	0.12
June	93	93	1,046,657	81,938.5	0.09
July	101	101	1,047,054	84,627.3	0.10
August	103	103	1,043,895	84,268.5	0.10
September	117	117	1,038,752	81,271.8	0.11
October	167	167	1,039,103	83,901.8	0.16
November	218	218	1,031,347	80,925.8	0.21
December	336	336	1,026,332	83,292.2	0.33



	New Members wit	:h	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2009					
January	401	401	1,032,221	83,503.9	0.39
February	343	343	1,019,162	74,680.5	0.34
March	321	321	1,014,826	82,301.0	0.32
April	196	196	1,005,713	78,828.5	0.19
May	162	162	1,001,628	81,058.3	0.16
June	165	165	993,504	77,892.1	0.17
July	126	126	989,932	80,014.8	0.13
August	171	171	983,135	79,409.3	0.17
September	261	261	975,860	76,396.5	0.27
October	307	307	972,033	78,588.7	0.32
November	229	229	964,312	75,724.9	0.24
December	261	261	958,613	77,898.2	0.27
2010					
January	294	294	939,193	76,048.3	0.31
February	281	281	929,843	68,174.0	0.30
March	262	262	926,231	75,225.0	0.28
April	187	187	919,161	72,050.1	0.20
May	143	143	915,169	74,154.2	0.16
June	128	128	912,470	71,401.0	0.14
July	142	142	908,764	73,538.8	0.16
August	151	151	903,084	73,041.0	0.17
September	188	188	899,597	70,302.0	0.21
October	182	182	895,216	72,409.6	0.20
November	207	207	889,746	69,886.3	0.23
December	292	292	888,369	72,172.5	0.33
2011					
January	319	319	865,533	70,108.1	0.37
February	339	339	859,497	63,002.9	0.39
March	292	292	858,226	69,712.5	0.34
April	191	191	853,516	66,884.4	0.22
May	161	161	851,340	68,962.2	0.19
June	151	151	848,767	66,446.3	0.18
July	170	170	846,244	68,428.7	0.20
August	157	157	845,864	68,249.5	0.19
September	154	154	843,962	65,929.9	0.18
October	183	183	842,663	68,135.0	0.22
November	190	190	840,147	65,895.2	0.23
December	239	239	838,438	68,137.6	0.29



	New Members wi	th	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2012					
January	247	247	883,354	71,626.1	0.28
February	266	266	878,712	66,725.2	0.30
March	243	243	879,793	71,390.3	0.28
April	201	201	876,008	68,672.9	0.23
May	183	183	874,695	70,894.5	0.21
June	165	165	873,566	68,367.1	0.19
July	160	160	867,026	70,149.4	0.18
August	197	197	867,766	70,101.0	0.23
September	170	170	867,101	67,773.7	0.20
October	188	188	866,277	70,071.9	0.22
November	210	210	864,739	67,844.6	0.24
December	311	311	863,497	70,182.5	0.36
2013					
January	344	344	867,852	70,418.8	0.40
February	231	231	863,355	63,358.0	0.27
March	209	209	863,861	70,213.9	0.24
April	202	202	857,749	67,340.5	0.24
May	167	167	859,615	69,587.6	0.19
June	149	149	856,701	67,110.3	0.17
July	198	198	862,812	69,720.2	0.23
August	174	174	859,729	69,466.7	0.20
September	202	202	857,661	67,144.4	0.24
October	207	207	859,610	69,507.8	0.24
November	231	231	857,261	67,279.9	0.27
December	268	268	860,850	69,829.1	0.31
2014					
January	271	271	866,262	70,391.4	0.31
February	209	209	865,895	63,553.1	0.24
March	192	192	866,997	70,453.3	0.22
April	169	169	867,334	68,110.2	0.19
May	173	173	870,264	70,534.5	0.20
June	131	131	868,573	68,108.4	0.15
July	167	167	869,055	70,286.9	0.19
August	178	178	861,186	69,457.3	0.21
September	149	149	858,593	67,238.6	0.17
October	176	176	861,321	69,640.5	0.20
November	162	162	858,342	67,416.7	0.19
December	248	248	859,827	69,881.5	0.29



	New Members with	1	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2015					
January	206	206	770,543	62,600.0	0.27
February	187	187	769,569	56,510.4	0.24
March	187	187	774,152	62,937.3	0.24
April	136	136	771,182	58,787.7	0.18
May	123	123	749,597	60,682.9	0.16
June	132	132	747,595	58,631.0	0.18
July	140	140	706,566	57,117.3	0.20
August	118	118	704,104	56,919.4	0.17
September	155	155	704,057	55,123.0	0.22
ynagis Dispensing o	or Procedure				
2008					
January	2,050	2,050	1,066,701	86,148.5	1.92
February	1,301	1,301	1,059,065	80,278.2	1.23
March	1,193	1,193	1,060,907	85,897.8	1.12
April	407	407	1,054,584	82,633.3	0.39
May	7	7	1,053,327	85,171.5	0.01
June	7	7	1,046,657	81,938.5	0.01
July	5	5	1,047,054	84,627.3	0.00
August	19	19	1,043,895	84,268.5	0.02
September	412	412	1,038,752	81,271.8	0.40
October	1,481	1,481	1,039,103	83,901.8	1.43
November	944	944	1,031,347	80,925.8	0.92
December	932	932	1,026,332	83,292.2	0.91
2009					
January	815	815	1,032,221	83,503.9	0.79
February	663	663	1,019,162	74,680.5	0.65
March	536	536	1,014,826	82,301.0	0.53
April	347	347	1,005,713	78,828.5	0.35
May	3	3	1,001,628	81,058.3	0.00
June	0	0	993,504	77,892.1	0.00
July	1	1	989,932	80,014.8	0.00
August	2	2	983,135	79,409.3	0.00
September	13	13	975,860	76,396.5	0.01
October	663	663	972,033	78,588.7	0.68
November	868	868	964,312	75,724.9	0.90
December	512	512	958,613	77,898.2	0.53



	New Members wi	th	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2010					
January	558	558	939,193	76,048.3	0.59
February	420	420	929,843	68,174.0	0.45
March	374	374	926,231	75,225.0	0.40
April	173	173	919,161	72,050.1	0.19
May	1	1	915,169	74,154.2	0.00
June	3	3	912,470	71,401.0	0.00
July	3	3	908,764	73,538.8	0.00
August	14	14	903,084	73,041.0	0.02
September	16	16	899,597	70,302.0	0.02
October	719	719	895,216	72,409.6	0.80
November	1,161	1,161	889,746	69,886.3	1.30
December	541	541	888,369	72,172.5	0.61
2011					
January	625	625	865,533	70,108.1	0.72
February	427	427	859,497	63,002.9	0.50
March	425	425	858,226	69,712.5	0.50
April	210	210	853,516	66,884.4	0.25
May	0	0	851,340	68,962.2	0.00
June	2	2	848,767	66,446.3	0.00
July	0	0	846,244	68,428.7	0.00
August	10	10	845,864	68,249.5	0.01
September	23	23	843,962	65,929.9	0.03
October	732	732	842,663	68,135.0	0.87
November	1,016	1,016	840,147	65,895.2	1.21
December	606	606	838,438	68,137.6	0.72
2012				·	
January	728	728	883,354	71,626.1	0.82
February	544	544	878,712	66,725.2	0.62
, March	428	428	879,793	71,390.3	0.49
April	134	134	876,008	68,672.9	0.15
May	0	0	874,695	70,894.5	0.00
June	0	0	873,566	68,367.1	0.00
July	2	2	867,026	70,149.4	0.00
August	17	17	867,766	70,101.0	0.02
September	15	15	867,101	67,773.7	0.02
October	879	879	866,277	70,071.9	1.01
November	843	843	864,739	67,844.6	0.97
December	421	421	863,497	70,182.5	0.49



	New Members with	ı	Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2013					
January	548	548	867,852	70,418.8	0.63
February	346	346	863,355	63,358.0	0.40
March	295	295	863,861	70,213.9	0.34
April	100	100	857,749	67,340.5	0.12
May	1	1	859,615	69,587.6	0.00
June	2	2	856,701	67,110.3	0.00
July	3	3	862,812	69,720.2	0.00
August	90	90	859,729	69,466.7	0.10
September	97	97	857,661	67,144.4	0.11
October	953	953	859,610	69,507.8	1.11
November	818	818	857,261	67,279.9	0.95
December	506	506	860,850	69,829.1	0.59
2014					
January	522	522	866,262	70,391.4	0.60
February	429	429	865,895	63,553.1	0.50
March	337	337	866,997	70,453.3	0.39
April	72	72	867,334	68,110.2	0.08
May	4	4	870,264	70,534.5	0.00
June	0	0	868,573	68,108.4	0.00
July	1	1	869,055	70,286.9	0.00
August	66	66	861,186	69,457.3	0.08
September	76	76	858,593	67,238.6	0.09
October	194	194	861,321	69,640.5	0.23
November	839	839	858,342	67,416.7	0.98
December	239	239	859,827	69,881.5	0.28
2015					
January	154	154	770,543	62,600.0	0.20
February	119	119	769,569	56,510.4	0.15
March	90	90	774,152	62,937.3	0.12
April	14	14	771,182	58,787.7	0.02
May	0	0	749,597	60,682.9	0.00
June	0	0	747,595	58,631.0	0.00
July	1	1	706,566	57,117.3	0.00
August	1	1	704,104	56,919.4	0.00
September	6	6	704,057	55,123.0	0.01



	New Members wit		Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
Bronchiolitis Diagnosi	S				
2008					
January	31,711	31,711	1,066,701	86,148.5	29.73
February	22,355	22,355	1,059,065	80,278.2	21.11
March	12,668	12,668	1,060,907	85,897.8	11.94
April	9,311	9,311	1,054,584	82,633.3	8.83
May	6,174	6,174	1,053,327	85,171.5	5.86
June	4,552	4,552	1,046,657	81,938.5	4.35
July	2,385	2,385	1,047,054	84,627.3	2.28
August	3,619	3,619	1,043,895	84,268.5	3.47
September	5,558	5,558	1,038,752	81,271.8	5.35
October	7,165	7,165	1,039,103	83,901.8	6.90
November	11,378	11,378	1,031,347	80,925.8	11.03
December	22,268	22,268	1,026,332	83,292.2	21.70
2009					
January	27,597	27,597	1,032,221	83,503.9	26.74
February	24,177	24,177	1,019,162	74,680.5	23.72
March	15,801	15,801	1,014,826	82,301.0	15.57
April	10,624	10,624	1,005,713	78,828.5	10.56
May	5,856	5,856	1,001,628	81,058.3	5.85
June	4,312	4,312	993,504	77,892.1	4.34
July	2,366	2,366	989,932	80,014.8	2.39
August	3,861	3,861	983,135	79,409.3	3.93
September	5,843	5,843	975,860	76,396.5	5.99
October	7,427	7,427	972,033	78,588.7	7.64
November	10,640	10,640	964,312	75,724.9	11.03
December	18,066	18,066	958,613	77,898.2	18.85
2010					
January	25,579	25,579	939,193	76,048.3	27.24
February	27,539	27,539	929,843	68,174.0	29.62
March	17,848	17,848	926,231	75,225.0	19.27
April	8,437	8,437	919,161	72,050.1	9.18
May	5,432	5,432	915,169	74,154.2	5.94
June	4,266	4,266	912,470	71,401.0	4.68
July	2,320	2,320	908,764	73,538.8	2.55
August	3,219	3,219	903,084	73,041.0	3.56
September	4,789	4,789	899,597	70,302.0	5.32
October	6,022	6,022	895,216	72,409.6	6.73
November	9,167	9,167	889,746	69,886.3	10.30
December	15,042	15,042	888,369	72,172.5	16.93



	New Members with		Eligible		Incidence per 1,000
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members
2011					
January	21,237	21,237	865,533	70,108.1	24.54
February	23,396	23,396	859,497	63,002.9	27.22
March	18,533	18,533	858,226	69,712.5	21.59
April	9,862	9,862	853,516	66,884.4	11.55
May	5,846	5,846	851,340	68,962.2	6.87
June	3,700	3,700	848,767	66,446.3	4.36
July	1,860	1,860	846,244	68,428.7	2.20
August	2,733	2,733	845,864	68,249.5	3.23
September	4,458	4,458	843,962	65,929.9	5.28
October	6,578	6,578	842,663	68,135.0	7.81
November	10,351	10,351	840,147	65,895.2	12.32
December	15,906	15,906	838,438	68,137.6	18.97
2012					
January	22,292	22,292	883,354	71,626.1	25.24
February	23,708	23,708	878,712	66,725.2	26.98
March	16,047	16,047	879,793	71,390.3	18.24
April	8,064	8,064	876,008	68,672.9	9.21
May	4,820	4,820	874,695	70,894.5	5.51
June	3,540	3,540	873,566	68,367.1	4.05
July	2,417	2,417	867,026	70,149.4	2.79
August	3,408	3,408	867,766	70,101.0	3.93
September	5,099	5,099	867,101	67,773.7	5.88
October	7,285	7,285	866,277	70,071.9	8.41
November	11,562	11,562	864,739	67,844.6	13.37
December	21,799	21,799	863,497	70,182.5	25.25
2013					
January	25,607	25,607	867,852	70,418.8	29.51
February	18,949	18,949	863,355	63,358.0	21.95
March	12,361	12,361	863,861	70,213.9	14.31
April	8,752	8,752	857,749	67,340.5	10.20
May	5,793	5,793	859,615	69,587.6	6.74
June	3,821	3,821	856,701	67,110.3	4.46
July	2,588	2,588	862,812	69,720.2	3.00
August	3,198	3,198	859,729	69,466.7	3.72
September	4,542	4,542	857,661	67,144.4	5.30
October	7,037	7,037	859,610	69,507.8	8.19
November	10,934	10,934	857,261	67,279.9	12.75
December	18,667	18,667	860,850	69,829.1	21.68



	New Members wit	h	Eligible		Incidence per 1,000	
Year-Month	Event	New Event Episodes	Members	Member-Years	Eligible Members	
2014						
January	19,794	19,794	866,262	70,391.4	22.85	
February	16,156	16,156	865,895	63,553.1	18.66	
March	13,006	13,006	866,997	70,453.3	15.00	
April	8,489	8,489	867,334	68,110.2	9.79	
May	5,538	5,538	870,264	70,534.5	6.36	
June	3,686	3,686	868,573	68,108.4	4.24	
July	2,199	2,199	869,055	70,286.9	2.53	
August	3,082	3,082	861,186	69,457.3	3.58	
September	5,100	5,100	858,593	67,238.6	5.94	
October	6,107	6,107	861,321	69,640.5	7.09	
November	9,072	9,072	858,342	67,416.7	10.57	
December	17,281	17,281	859,827	69,881.5	20.10	
2015						
January	19,064	19,064	770,543	62,600.0	24.74	
February	18,354	18,354	769,569	56,510.4	23.85	
March	12,985	12,985	774,152	62,937.3	16.77	
April	8,012	8,012	771,182	58,787.7	10.39	
May	4,590	4,590	749,597	60,682.9	6.12	
June	3,071	3,071	747,595	58,631.0	4.11	
July	1,698	1,698	706,566	57,117.3	2.40	
August	2,197	2,197	704,104	56,919.4	3.12	
September	3,466	3,466	704,057	55,123.0	4.92	

¹IP = inpatient hospital stay care setting

ED = emergency department care setting

AV = ambulatory visit care setting



Appendix A. Latest Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (August 7, 2016)

DP ID	Start Date ¹	End Date ¹
DP01	1/1/2008	12/31/2014
DP02	1/1/2008	10/31/2014
DP03	1/1/2012	6/30/2015
DP04	1/1/2008	4/30/2015
DP05	1/1/2008	4/30/2014
DP06	1/1/2008	10/31/2014
DP07	1/1/2008	4/30/2014
DP08	1/1/2008	3/31/2015
DP09	1/1/2008	12/31/2014
DP10	1/1/2008	3/31/2015
DP11	1/1/2008	7/31/2014
DP12	1/1/2008	2/28/2015
DP13	1/1/2008	12/31/2012
DP14	1/1/2008	8/31/2014
DP15	1/1/2008	3/31/2015
DP16	1/1/2008	6/30/2012

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) Diagnosis Codes, and Current Procedural Terminology, Fourth Edition (CPT-4) and Healthcare Common Procedure Coding System (HCPCS) Procedure Codes Used to Define Events in this Request

Code	Description	Code Type	Code Category				
Respiratory Syncytial Virus Diagnoses							
079.6	Respiratory syncytial virus	ICD-9-CM	Diagnosis				
480.1	Pneumonia due to respiratory syncytial virus	virus ICD-9-CM Diagnosi					
	Bronchiolitis Diagnoses						
466.11	Acute bronchiolitis due to respiratory syncytial virus	ICD-9-CM	Diagnosis				
466.19	Acute bronchiolitis due to other infectious organisms	ICD-9-CM	Diagnosis				
	Lab Test for RSV						
87798	Qualitative real-time polymerase chain reaction (RT-PCR)	CPT-4	Procedure				
87899	Rapid antigen-detection test	CPT-4	Procedure				
	Drug Dispensings and Procedure	S					
S9562	Synagis	HCPCS	Procedure				
C9003	Synagis	HCPCS	Procedure				



Appendix C. Specifications Defining Parameters used in this Request

In this request we used the Cohort Identification and Descriptive Analysis (CIDA) module, version 3.0.2 to investigate numbers of pediatric patients diagnosed and/or hospitalized with respiratory syncytial virus (RSV) and RSV-Related Events and Preventative Services in the Sentinel Distributed Database (SDD).

Enrollment Gap: 45 days	
Query Period: January 1, 2008 - September 30, 2015	
Age Groups: 1-2, 1-5, 3-5, 6-11, 6-17, 12-23, and 18-23 months.	
Coverage Requirement: Drug and Medical	
Pre-Exposure Enrollment Requirement: 0 days	
Event/Index Date	Incidence Criteria

_	Event/Index Date					Incidence Criteria			
Scenario	Incident Event	Care Setting	Principal Discharge Diagnosis	Сотьо	Cohort Definition	Washout (days)*	Incident with respect to:	Incidence Care Setting	
1	RSV diagnosis	IP, ED, or AV	Any	N/A	All valid events	30	RSV diagnosis	Any	
	RSV diagnosis, or	IP or ED	Any	N/A					
2	2 RSV diagnoses	AV	N/A	Diagnoses must occur within 14 days of each other, index date is date of the first diagnosis	All valid events	30	RSV diagnosis	Any	
3	PCR lab test for RSV, or antigen lab test for RSV	Any	N/A	N/A	All valid events	30	PCR lab test for RSV, or antigen lab test for RSV	Any	
4	PCR lab test for RSV	Any	N/A	N/A	All valid events	30	PCR lab test for RSV	Any	
5	Antigen lab test for RSV	Any	N/A	N/A	All valid events	30	Antigen lab test for RSV	Any	
6	Synagis dispensing or procedure	Any	N/A	N/A	All valid events	30	Synagis dispensing or procedure	Any	
7	Bronchiolitis diagnosis	Any	Any	N/A	All valid events	30	Bronchiolitis diagnosis	Any	

*The washout will be done in the combination tool to avoid requiring pre-index enrollment.

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) codes, National Drug Codes (NDCs), Current Procedural Terminology, Fourth Edition (CPT-4) codes, and Healthcare Common Procedure Coding System (HCPCS) codes are provided by Optum360. NDC codes are checked against First Data Bank's "National Drug Data File (NDDF[®]) Plus."