

Disclaimer

The following report(s) provides findings from an FDA-initiated query using its Mini-Sentinel pilot. While Mini-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 Mini-Sentinel, and seeking to better understand the capabilities of the Mini-Sentinel pilot.

Data obtained through Mini-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 the Mini-Sentinel pilot in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Mini-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

Request Description

FDA's Center for Biologic Evaluation and Research has requested execution of Modular Program #3 (MP3) to investigate length of enrollment among adolescents after receiving an HPV vaccination in the Mini-Sentinel Distributed Database (MSDD). In total, 18 different scenarios were examined in this report with differing coverage requirements, minimum enrollment days before index, and minimum enrollment days after index. **In each table, the number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.**

Request ID

The query was run against the MSDD for the time period of January 1, 2006 - June 30, 2013. The package was distributed to 7 Data Partners on August 14, 2014. This report includes data from 7 Data Partners.
to09y05_mpr_wp48_v01 - Report 1 of 1

Specifications

Program parameter inputs and scenarios

Glossary

List of Terms found in this Report and their Definitions

Table 1a

Table displaying the Number of New Users New Episodes, Dispensings, Days Supplied, Amount Supplied, Years at Risk, Eligible Members, Member-Years, New Users 1K Eligible Members, Dispensing/User, Days Supplied per User, and Days Supplied per Dispensing by Enrollment Requirement Prior to Index Date and Length of Enrollment Span after Index Date - January 1, 2006 to June 30, 2013. To be included in the cohort, members must have **at least medical coverage.**

Table 1b

Table displaying the Number of New Users New Episodes, Dispensings, Days Supplied, Amount Supplied, Years at Risk, Eligible Members, Member-Years, New Users 1K Eligible Members, Dispensing/User, Days Supplied per User, and Days Supplied per Dispensing by Enrollment Requirement Prior to Index Date and Length of Enrollment Span after Index Date - January 1, 2006 to June 30, 2013. To be included in the cohort, members must have **both medical and drug coverage.**

Table 2a

Table displaying the Number of New Users New Episodes, Dispensings, Days Supplied, Amount Supplied, Years at Risk, Eligible Members, Member-Years, New Users 1K Eligible Members, Dispensing/User, Days Supplied per User, and Days Supplied per Dispensing by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and **Age Group** - January 1, 2006 to June 30, 2013. To be included in the cohort, members must have **at least medical coverage.**

Table 2b

Table displaying the Number of New Users New Episodes, Dispensings, Days Supplied, Amount Supplied, Years at Risk, Eligible Members, Member-Years, New Users 1K Eligible Members, Dispensing/User, Days Supplied per User, and Days Supplied per Dispensing by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and **Age Group** - January 1, 2006 to June 30, 2013. To be included in the cohort, members must have **both medical and drug coverage.**

Table 3a

Table displaying the Number of New Users New Episodes, Dispensings, Days Supplied, Amount Supplied, Years at Risk, Eligible Members, Member-Years, New Users 1K Eligible Members, Dispensing/User, Days Supplied per User, and Days Supplied per Dispensing by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and **Sex** - January 1, 2006 to June 30, 2013. To be included in the cohort, members must have **at least medical coverage.**

Table 3b

Table displaying the Number of New Users New Episodes, Dispensings, Days Supplied, Amount Supplied, Years at Risk, Eligible Members, Member-Years, New Users 1K Eligible Members, Dispensing/User, Days Supplied per User, and Days Supplied per Dispensing by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and **Sex** - January 1, 2006 to June 30, 2013. To be included in the cohort, members must have **both medical and drug coverage.**

<u>Table 4a</u>	Table displaying the Number of New Users New Episodes, Dispensings, Days Supplied, Amount Supplied, Years at Risk, Eligible Members, Member-Years, New Users 1K Eligible Members, Dispensing/User, Days Supplied per User, and Days Supplied per Dispensing by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year - January 1, 2006 to June 30, 2013. To be included in the cohort, members must have at least medical coverage .
<u>Table 4b</u>	Table displaying the Number of New Users New Episodes, Dispensings, Days Supplied, Amount Supplied, Years at Risk, Eligible Members, Member-Years, New Users 1K Eligible Members, Dispensing/User, Days Supplied per User, and Days Supplied per Dispensing by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year - January 1, 2006 to June 30, 2013. To be included in the cohort, members must have both medical and drug coverage .
<u>Table 5a</u>	Attrition Table for Members with at least Medical Coverage
<u>Table 5b</u>	Attrition Table for Members with both Medical and Drug Coverage
Notes:	Please contact the Mini-Sentinel Operations Center (MSOC_Requests@harvardpilgrim.org) for questions and to provide comments/suggestions for future enhancements to this document.

Specifications for Query ID to09y05_mpr_wp48_v01

Modular Program #3 was used to investigate length of enrollment among adolescents after receiving an HPV vaccination. In total, 18 different scenarios were examined in this report with differing coverage requirements, minimum enrollment days before index, and minimum enrollment days after index. See below for a description of each of these scenarios.

Query Period January 1, 2006 to June 30, 2013
Age Stratifications 8-<9, 9-<10, 10-<11, 11-<12, 12-<13, 13-<14, 14-<15, 15-<16, 16-<17, 17-<18, 18-<19, 19-<20, 20-<21, 21-<22, 22-<23, 23-<24, 24-<25, 25-<26, 26-<27
Enrollment Gap 30 days
Data Partners Harvard Pilgrim, Vanderbilt, HealthCore, Humana, Aetna, Optum, KP Hawaii

Scenario	Coverage Requirement	Drug/Exposure							Inclusion/Exclusion Criteria*				Event/Outcome
		Incident exposure	Incident w/ respect to:	Washout (days)	Minimum Enrollment Days before Index	Cohort Definition	Episode Gap	Exposure Extension Period	Minimum Enrollment after Index	Pre-existing Condition	Inclusion/Exclusion	Time Window	Event
1	Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	3 month enrollment span (90 days)	Dummy	Exclusion	0, 90	Dummy
2	Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	3 month enrollment span (90 days)	Dummy	Exclusion	0, 90	Dummy
3	Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	6 month enrollment span (183 days)	Dummy	Exclusion	0, 183	Dummy
4	Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	6 month enrollment span (183 days)	Dummy	Exclusion	0, 183	Dummy
5	Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	9 month enrollment span (274 days)	Dummy	Exclusion	0, 274	Dummy
6	Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	9 month enrollment span (274 days)	Dummy	Exclusion	0, 274	Dummy
7	Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	1 year enrollment span (365 days)	Dummy	Exclusion	0, 365	Dummy
8	Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	1 year enrollment span (365 days)	Dummy	Exclusion	0, 365	Dummy
9	Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	1.5 year enrollment span (548 days)	Dummy	Exclusion	0, 548	Dummy

Scenario	Coverage Requirement	Drug/Exposure							Inclusion/Exclusion Criteria*				Event/Outcome
		Incident exposure	Incident w/ respect to:	Washout (days)	Minimum Enrollment Days before Index	Cohort Definition	Episode Gap	Exposure Extension Period	Minimum Enrollment after Index	Pre-existing Condition	Inclusion/Exclusion	Time Window	Event
10	Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	1.5 year enrollment span (548 days)	Dummy	Exclusion	0, 548	Dummy
11	Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	2 year enrollment span (730 days)	Dummy	Exclusion	0, 730	Dummy
12	Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	2 year enrollment span (730 days)	Dummy	Exclusion	0, 730	Dummy
13	Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	3 year enrollment span (1,095 days)	Dummy	Exclusion	0, 1095	Dummy
14	Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	3 year enrollment span (1,095 days)	Dummy	Exclusion	0,1095	Dummy
15	Drug and Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	3 month enrollment span (90 days)	Dummy	Exclusion	0, 90	Dummy
16	Drug and Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	3 month enrollment span (90 days)	Dummy	Exclusion	0, 90	Dummy
17	Drug and Medical Coverage	HPV vaccine	HPV vaccine	30	183	01 (SING)	0	0	1.5 year enrollment span (548 days)	Dummy	Exclusion	0, 548	Dummy
18	Drug and Medical Coverage	HPV vaccine	HPV vaccine	30	365	01 (SING)	0	0	1.5 year enrollment span (548 days)	Dummy	Exclusion	0, 548	Dummy

*Because exclusion criteria requires enrollment, an exclusion of a dummy pre-existing condition was used to identify the minimum enrollment span after index.

Glossary of Terms in Modular Program 3*

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing. This is equivalent to the "RxAmt" value in the Mini-Sentinel Common Data Model.

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

Cohort Definition (drug/exposure)- Indicates how the cohort will be defined: (1) 01: Cohort includes only the first valid incident treatment episode during the query period; (2) 02: Cohort includes all valid incident treatment episodes during the query period; (3) 03: Cohort includes all valid incident treatment episodes during the query period until an event occurs

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

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.23.

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"

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

Event Deduplication - specifies how events are counted by the MP algorithm: A value of 0 counts all occurrences of an event group code of interest; a value of 1 de-duplicates occurrences of the same event code on the same day (i.e., de-duplicates at the exact match code level); and a value of 2 de-duplicates occurrences of the same event group code on the same day (e.g., de-duplicates at the GROUP level).

Exposure Extension Period - number of days post treatment period in which the outcomes/events are counted for a treatment episode.

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

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

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

New Episodes - new treatment episodes; length of episode is determined by days supplied in one dispensing (or consecutive dispensings

New Episodes with Events - number of unique episodes during which at least one incident event occurs. Each episode may only be counted

New Users - number of members with incident exposure during the query period. Member must have no evidence of exposure (s) of interest (defined by incidence criteria) in the prior washout period. A user may only be counted once in a query period.

Number of Events - total number of incident events. An individual or a treatment episode can have more than one incident event provided that the incident event meets the event incidence criteria.

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. YES will only consider diagnoses flagged as Principal

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

Time Window - maximum number of days between two events to consider them a valid combination item.

Treatment Episode Truncation Indicator - indicates whether observation of the incident query code during follow-up requires truncation of valid treatment episodes. A value of Y indicates that the treatment episodes should be truncated at the first occurrence of an incident query code. A value of N indicates that the treatment episodes should not be truncated at the occurrence of the incident query 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 before the incident exposure 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 354.23.

*all terms may not be used in this report

**incident treatment episodes must be incident to both the exposure and the event

Table 1a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date and Length of Enrollment Span after Index Date

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 183 Days of Enrollment Before Index												
3-Month Enrollment Span After Index	2,637,095	2,637,095	2,638,078	2,752,479	2,635,232	7,534.9	35,993,847	66,025,569.2	73.27	1.04	1.00	1.04
6-Month Enrollment Span After Index	2,348,700	2,348,700	2,349,591	2,454,872	2,346,983	6,720.1	30,641,389	59,080,986.0	76.65	1.05	1.00	1.04
9-Month Enrollment Span After Index	2,123,090	2,123,090	2,123,909	2,220,898	2,121,551	6,079.6	28,034,646	52,896,828.2	75.73	1.05	1.00	1.05
12-Month Enrollment Span After Index	1,918,029	1,918,029	1,918,770	2,007,865	1,916,636	5,496.5	25,766,585	46,994,256.3	74.44	1.05	1.00	1.05
18-Month Enrollment Span After Index	1,431,437	1,431,437	1,432,053	1,507,291	1,430,281	4,126.1	19,709,427	36,723,053.6	72.63	1.05	1.00	1.05
24-Month Enrollment Span After Index	1,150,325	1,150,325	1,150,860	1,214,326	1,149,398	3,324.1	16,616,403	28,922,062.3	69.23	1.06	1.00	1.06
36-Month Enrollment Span After Index	719,540	719,540	719,900	764,325	718,922	2,092.2	10,868,232	17,282,880.4	66.21	1.06	1.00	1.06
Minimum of 365 Days of Enrollment Before Index												
3-Month Enrollment Span After Index	2,159,180	2,159,180	2,159,986	2,255,301	2,157,644	6,173.8	27,974,445	52,164,829.3	77.18	1.04	1.00	1.04
6-Month Enrollment Span After Index	1,940,014	1,940,014	1,940,756	2,029,537	1,938,586	5,555.8	25,620,222	47,049,697.7	75.72	1.05	1.00	1.05
9-Month Enrollment Span After Index	1,738,660	1,738,660	1,739,351	1,821,731	1,737,384	4,986.9	22,974,922	41,930,725.1	75.68	1.05	1.00	1.05
12-Month Enrollment Span After Index	1,558,125	1,558,125	1,558,742	1,634,174	1,556,946	4,473.5	20,879,503	37,106,464.6	74.62	1.05	1.00	1.05
18-Month Enrollment Span After Index	1,178,460	1,178,460	1,178,987	1,243,567	1,177,478	3,404.1	16,645,376	29,267,774.7	70.80	1.06	1.00	1.05
24-Month Enrollment Span After Index	927,484	927,484	927,935	981,549	926,711	2,686.8	13,747,383	22,709,673.3	67.47	1.06	1.00	1.06
36-Month Enrollment Span After Index	569,552	569,552	569,855	607,892	569,037	1,664.0	9,199,184	13,214,667.0	61.91	1.07	1.00	1.07

*The number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.

Table 1b: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with both Drug and Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date and Length of Enrollment Span after Index Date

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 183 Days of Enrollment Before Index												
3-Month Enrollment Span After Index	1,603,901	1,603,901	1,604,735	1,717,196	1,601,945	4,700.4	22,941,949	38,462,317.5	69.91	1.07	1.00	1.07
18-Month Enrollment Span After Index	825,355	825,355	825,848	896,425	824,206	2,453.7	11,560,342	20,269,129.8	71.40	1.09	1.00	1.09
Minimum of 365 Days of Enrollment Before Index												
3-Month Enrollment Span After Index	1,289,018	1,289,018	1,289,695	1,382,610	1,287,414	3,784.5	17,179,823	29,798,419.0	75.03	1.07	1.00	1.07
18-Month Enrollment Span After Index	676,021	676,021	676,442	736,635	675,063	2,016.3	9,587,995	15,967,851.4	70.51	1.09	1.00	1.09

*The number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 183 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
08 to 09 Years	467	467	467	525	466	1.4	2,023,242	829,166.4	0.23	1.12	1.00	1.12
09 to 10 Years	15,078	15,078	15,081	15,260	15,082	41.8	3,020,659	1,738,384.0	4.99	1.01	1.00	1.01
10 to 11 Years	32,871	32,871	32,876	33,286	32,863	91.1	3,726,026	2,462,372.7	8.82	1.01	1.00	1.01
11 to 12 Years	268,130	268,130	268,162	269,512	268,123	737.9	4,235,442	2,899,779.8	63.31	1.01	1.00	1.01
12 to 13 Years	276,018	276,018	276,060	278,028	276,132	761.2	4,490,812	3,165,454.7	61.46	1.01	1.00	1.01
13 to 14 Years	253,687	253,687	253,728	257,283	253,636	704.4	4,624,388	3,321,273.0	54.86	1.01	1.00	1.01
14 to 15 Years	281,162	281,162	281,226	286,147	281,114	783.4	4,700,711	3,390,960.9	59.81	1.02	1.00	1.02
15 to 16 Years	258,067	258,067	258,143	264,382	257,978	723.8	4,725,562	3,437,990.3	54.61	1.02	1.00	1.02
16 to 17 Years	239,344	239,344	239,418	246,439	239,222	674.7	4,758,748	3,495,679.7	50.30	1.03	1.00	1.03
17 to 18 Years	240,160	240,160	240,250	249,940	240,018	684.2	4,770,348	3,549,499.4	50.34	1.04	1.00	1.04
18 to 19 Years	197,269	197,269	197,370	207,425	197,091	567.8	4,809,117	3,506,038.1	41.02	1.05	1.00	1.05
19 to 20 Years	100,531	100,531	100,601	109,317	100,369	299.2	4,637,391	3,324,178.1	21.68	1.09	1.00	1.09
20 to 21 Years	85,331	85,331	85,379	93,178	85,203	255.1	4,569,292	3,292,170.2	18.67	1.09	1.00	1.09
21 to 22 Years	75,500	75,500	75,564	83,706	75,347	229.1	4,497,561	3,203,571.9	16.79	1.11	1.00	1.11
22 to 23 Years	66,461	66,461	66,509	74,443	66,325	203.8	4,475,000	3,000,687.3	14.85	1.12	1.00	1.12
23 to 24 Years	64,904	64,904	64,954	73,325	64,721	200.7	4,516,864	2,901,564.5	14.37	1.13	1.00	1.13
24 to 25 Years	66,188	66,188	66,244	75,441	66,001	206.5	4,602,106	2,933,704.0	14.38	1.14	1.00	1.14
25 to 26 Years	64,270	64,270	64,345	74,475	64,088	203.8	4,647,053	2,880,262.8	13.83	1.16	1.00	1.16
26 to 27 Years	51,657	51,657	51,701	60,367	51,457	165.2	6,507,720	5,876,542.0	7.94	1.17	1.00	1.17
6-Month Enrollment Span After Index												
08 to 09 Years	413	413	413	471	412	1.3	1,787,717	749,858.7	0.23	1.14	1.00	1.14
09 to 10 Years	13,594	13,594	13,597	13,776	13,598	37.7	2,712,442	1,580,202.4	5.01	1.01	1.00	1.01
10 to 11 Years	29,474	29,474	29,479	29,889	29,468	81.8	3,370,177	2,250,471.4	8.75	1.01	1.00	1.01
11 to 12 Years	237,539	237,539	237,569	238,832	237,532	653.9	3,854,572	2,663,550.0	61.63	1.01	1.00	1.01
12 to 13 Years	243,030	243,030	243,070	244,954	243,143	670.6	4,100,691	2,914,997.9	59.27	1.01	1.00	1.01
13 to 14 Years	226,438	226,438	226,476	229,917	226,385	629.4	4,203,124	3,039,164.9	53.87	1.02	1.00	1.02
14 to 15 Years	251,581	251,581	251,636	256,235	251,528	701.5	4,276,892	3,106,527.8	58.82	1.02	1.00	1.02

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
15 to 16 Years	232,210	232,210	232,280	238,291	232,124	652.3	4,301,902	3,153,342.7	53.98	1.03	1.00	1.03
16 to 17 Years	216,097	216,097	216,167	222,925	215,974	610.3	4,323,481	3,206,871.7	49.98	1.03	1.00	1.03
17 to 18 Years	217,312	217,312	217,395	226,560	217,175	620.2	4,320,440	3,246,385.2	50.30	1.04	1.00	1.04
18 to 19 Years	175,613	175,613	175,706	185,113	175,445	506.7	4,256,557	3,111,810.5	41.26	1.05	1.00	1.05
19 to 20 Years	90,524	90,524	90,587	98,654	90,370	270.0	4,063,622	2,964,019.7	22.28	1.09	1.00	1.09
20 to 21 Years	77,106	77,106	77,151	84,478	76,987	231.2	4,015,380	2,930,964.9	19.20	1.10	1.00	1.09
21 to 22 Years	66,993	66,993	67,046	74,370	66,849	203.6	3,905,335	2,815,755.2	17.15	1.11	1.00	1.11
22 to 23 Years	56,971	56,971	57,013	63,939	56,858	175.0	3,809,833	2,572,020.1	14.95	1.12	1.00	1.12
23 to 24 Years	56,402	56,402	56,444	63,974	56,234	175.1	3,834,380	2,492,405.3	14.71	1.13	1.00	1.13
24 to 25 Years	57,238	57,238	57,287	65,139	57,070	178.3	3,914,955	2,518,832.5	14.62	1.14	1.00	1.14
25 to 26 Years	54,930	54,930	54,999	64,331	54,770	176.0	3,934,240	2,428,693.2	13.96	1.17	1.00	1.17
26 to 27 Years	45,235	45,235	45,276	53,024	45,065	145.1	5,491,992	5,147,321.5	8.24	1.17	1.00	1.17
9-Month Enrollment Span After Index												
08 to 09 Years	383	383	383	441	382	1.2	1,677,970	693,228.7	0.23	1.15	1.00	1.15
09 to 10 Years	12,392	12,392	12,395	12,574	12,396	34.4	2,531,428	1,450,997.2	4.90	1.01	1.00	1.01
10 to 11 Years	26,848	26,848	26,853	27,205	26,843	74.5	3,145,916	2,069,916.2	8.53	1.01	1.00	1.01
11 to 12 Years	213,491	213,491	213,519	214,666	213,485	587.7	3,602,975	2,456,860.7	59.25	1.01	1.00	1.01
12 to 13 Years	220,055	220,055	220,093	221,894	220,170	607.5	3,838,306	2,693,214.1	57.33	1.01	1.00	1.01
13 to 14 Years	205,268	205,268	205,304	208,658	205,218	571.2	3,909,306	2,785,776.2	52.51	1.02	1.00	1.02
14 to 15 Years	228,612	228,612	228,665	232,880	228,567	637.5	3,982,116	2,849,593.2	57.41	1.02	1.00	1.02
15 to 16 Years	211,668	211,668	211,735	217,499	211,588	595.4	4,003,003	2,888,978.0	52.88	1.03	1.00	1.03
16 to 17 Years	197,401	197,401	197,469	204,017	197,288	558.5	4,028,826	2,939,516.2	49.00	1.03	1.00	1.03
17 to 18 Years	198,157	198,157	198,235	206,865	198,032	566.3	4,019,463	2,962,445.1	49.30	1.04	1.00	1.04
18 to 19 Years	158,624	158,624	158,710	167,429	158,474	458.3	3,907,929	2,765,137.3	40.59	1.06	1.00	1.05
19 to 20 Years	82,660	82,660	82,716	90,229	82,515	247.0	3,714,830	2,655,672.6	22.25	1.09	1.00	1.09
20 to 21 Years	70,474	70,474	70,517	77,243	70,372	211.4	3,656,231	2,612,007.7	19.28	1.10	1.00	1.10
21 to 22 Years	59,980	59,980	60,025	66,756	59,848	182.7	3,527,914	2,469,634.6	17.00	1.11	1.00	1.11
22 to 23 Years	49,646	49,646	49,683	55,850	49,550	152.9	3,373,997	2,208,709.3	14.71	1.12	1.00	1.12
23 to 24 Years	49,711	49,711	49,746	56,436	49,558	154.5	3,387,717	2,147,600.6	14.67	1.14	1.00	1.13

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
24 to 25 Years	50,051	50,051	50,094	57,138	49,899	156.4	3,453,630	2,165,796.2	14.49	1.14	1.00	1.14
25 to 26 Years	47,414	47,414	47,474	55,856	47,268	152.8	3,446,144	2,051,436.2	13.76	1.18	1.00	1.18
26 to 27 Years	40,255	40,255	40,293	47,262	40,104	129.4	4,855,649	4,526,816.6	8.29	1.17	1.00	1.17
12-Month Enrollment Span After Index												
08 to 09 Years	349	349	349	407	348	1.1	1,575,045	630,731.6	0.22	1.17	1.00	1.17
09 to 10 Years	11,333	11,333	11,336	11,515	11,337	31.5	2,362,680	1,325,359.5	4.80	1.02	1.00	1.02
10 to 11 Years	24,565	24,565	24,570	24,922	24,561	68.2	2,932,257	1,895,187.1	8.38	1.01	1.00	1.01
11 to 12 Years	192,468	192,468	192,492	193,583	192,461	530.0	3,362,669	2,257,923.7	57.24	1.01	1.00	1.01
12 to 13 Years	199,224	199,224	199,258	200,945	199,340	550.2	3,557,128	2,452,775.2	56.01	1.01	1.00	1.01
13 to 14 Years	185,502	185,502	185,535	188,775	185,455	516.8	3,631,062	2,541,588.5	51.09	1.02	1.00	1.02
14 to 15 Years	207,820	207,820	207,868	211,882	207,776	580.1	3,699,829	2,600,277.6	56.17	1.02	1.00	1.02
15 to 16 Years	192,475	192,475	192,540	197,958	192,401	541.9	3,713,320	2,628,668.7	51.83	1.03	1.00	1.03
16 to 17 Years	179,603	179,603	179,669	185,816	179,496	508.7	3,740,542	2,675,149.6	48.02	1.03	1.00	1.03
17 to 18 Years	180,394	180,394	180,470	188,579	180,278	516.2	3,722,445	2,678,023.1	48.46	1.05	1.00	1.04
18 to 19 Years	145,180	145,180	145,257	153,313	145,039	419.7	3,562,413	2,433,398.8	40.75	1.06	1.00	1.06
19 to 20 Years	75,692	75,692	75,743	82,630	75,556	226.2	3,392,494	2,359,345.5	22.31	1.09	1.00	1.09
20 to 21 Years	64,298	64,298	64,331	70,117	64,208	191.9	3,325,947	2,302,586.4	19.33	1.09	1.00	1.09
21 to 22 Years	52,877	52,877	52,915	59,203	52,755	162.0	3,166,176	2,134,180.4	16.70	1.12	1.00	1.12
22 to 23 Years	42,806	42,806	42,838	48,334	42,724	132.3	2,974,086	1,872,918.3	14.39	1.13	1.00	1.13
23 to 24 Years	43,456	43,456	43,487	49,540	43,319	135.6	2,979,243	1,830,807.6	14.59	1.14	1.00	1.14
24 to 25 Years	43,380	43,380	43,417	49,708	43,241	136.0	3,027,728	1,841,611.1	14.33	1.15	1.00	1.14
25 to 26 Years	40,888	40,888	40,941	48,529	40,762	132.8	2,973,174	1,720,281.1	13.75	1.19	1.00	1.19
26 to 27 Years	35,719	35,719	35,754	42,109	35,584	115.3	4,302,655	3,958,632.8	8.30	1.18	1.00	1.18
18-Month Enrollment Span After Index												
08 to 09 Years	259	259	259	288	259	0.8	1,272,014	514,675.5	0.20	1.11	1.00	1.11
09 to 10 Years	8,855	8,855	8,858	9,037	8,859	24.7	1,942,992	1,096,089.0	4.56	1.02	1.00	1.02
10 to 11 Years	19,161	19,161	19,165	19,488	19,156	53.3	2,437,750	1,585,751.8	7.86	1.02	1.00	1.02
11 to 12 Years	139,605	139,605	139,623	140,510	139,598	384.7	2,813,675	1,900,322.1	49.62	1.01	1.00	1.01
12 to 13 Years	143,411	143,411	143,439	144,923	143,525	396.8	2,927,848	2,016,077.0	48.98	1.01	1.00	1.01

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing/
13 to 14 Years	136,782	136,782	136,806	139,700	136,735	382.4	2,993,858	2,092,040.7	45.69	1.02	1.00	1.02
14 to 15 Years	155,056	155,056	155,099	158,770	155,007	434.6	3,044,353	2,129,120.3	50.93	1.02	1.00	1.02
15 to 16 Years	145,524	145,524	145,582	150,539	145,460	412.1	3,058,713	2,154,019.4	47.58	1.03	1.00	1.03
16 to 17 Years	136,689	136,689	136,746	142,233	136,591	389.4	3,077,182	2,185,215.8	44.42	1.04	1.00	1.04
17 to 18 Years	135,234	135,234	135,300	142,525	135,132	390.1	2,983,099	2,098,710.1	45.33	1.05	1.00	1.05
18 to 19 Years	110,086	110,086	110,153	117,231	109,966	320.9	2,751,102	1,900,842.2	40.02	1.06	1.00	1.06
19 to 20 Years	59,357	59,357	59,402	65,283	59,239	178.7	2,655,746	1,836,275.4	22.35	1.10	1.00	1.10
20 to 21 Years	49,935	49,935	49,960	54,845	49,864	150.1	2,554,813	1,749,707.2	19.55	1.10	1.00	1.10
21 to 22 Years	38,402	38,402	38,433	43,571	38,305	119.3	2,326,742	1,543,733.7	16.50	1.13	1.00	1.13
22 to 23 Years	31,176	31,176	31,200	35,540	31,112	97.3	2,124,143	1,337,135.9	14.68	1.14	1.00	1.14
23 to 24 Years	32,050	32,050	32,074	36,967	31,938	101.2	2,130,513	1,299,769.7	15.04	1.15	1.00	1.15
24 to 25 Years	30,877	30,877	30,906	35,813	30,769	98.0	2,117,933	1,253,082.1	14.58	1.16	1.00	1.16
25 to 26 Years	31,294	31,294	31,337	37,117	31,199	101.6	2,047,188	1,285,591.7	15.29	1.19	1.00	1.18
26 to 27 Years	27,684	27,684	27,711	32,911	27,570	90.1	3,181,259	3,011,841.5	8.70	1.19	1.00	1.19
24-Month Enrollment Span After Index												
08 to 09 Years	207	207	207	236	207	0.6	1,123,442	438,967.8	0.18	1.14	1.00	1.14
09 to 10 Years	7,289	7,289	7,292	7,471	7,293	20.4	1,693,674	932,704.0	4.30	1.02	1.00	1.02
10 to 11 Years	15,823	15,823	15,826	16,149	15,818	44.2	2,127,666	1,354,500.6	7.44	1.02	1.00	1.02
11 to 12 Years	110,352	110,352	110,367	111,109	110,347	304.2	2,419,470	1,594,549.0	45.61	1.01	1.00	1.01
12 to 13 Years	115,441	115,441	115,465	116,685	115,556	319.5	2,494,407	1,671,421.3	46.28	1.01	1.00	1.01
13 to 14 Years	110,694	110,694	110,717	113,382	110,651	310.4	2,555,154	1,735,248.8	43.32	1.02	1.00	1.02
14 to 15 Years	126,149	126,149	126,185	129,306	126,105	354.0	2,578,637	1,747,938.4	48.92	1.03	1.00	1.02
15 to 16 Years	118,916	118,916	118,969	123,441	118,859	337.9	2,597,692	1,771,027.5	45.78	1.04	1.00	1.04
16 to 17 Years	111,181	111,181	111,230	116,064	111,096	317.7	2,603,507	1,779,942.2	42.70	1.04	1.00	1.04
17 to 18 Years	108,124	108,124	108,183	114,240	108,043	312.7	2,459,738	1,638,175.2	43.96	1.06	1.00	1.06
18 to 19 Years	90,504	90,504	90,566	96,888	90,399	265.2	2,258,423	1,505,832.7	40.07	1.07	1.00	1.07
19 to 20 Years	49,021	49,021	49,063	54,137	48,922	148.2	2,165,768	1,432,260.8	22.63	1.10	1.00	1.10
20 to 21 Years	39,997	39,997	40,015	44,264	39,938	121.2	2,036,446	1,319,990.4	19.64	1.11	1.00	1.11
21 to 22 Years	29,176	29,176	29,199	33,207	29,100	90.9	1,785,495	1,118,719.3	16.34	1.14	1.00	1.14

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
22 to 23 Years	23,852	23,852	23,870	27,248	23,803	74.6	1,605,220	965,260.3	14.86	1.14	1.00	1.14
23 to 24 Years	24,026	24,026	24,047	27,899	23,944	76.4	1,607,189	929,490.3	14.95	1.16	1.00	1.16
24 to 25 Years	22,809	22,809	22,832	26,680	22,726	73.0	1,566,924	867,354.3	14.56	1.17	1.00	1.17
25 to 26 Years	24,780	24,780	24,821	29,350	24,707	80.3	1,607,386	986,902.3	15.42	1.18	1.00	1.18
26 to 27 Years	21,984	21,984	22,006	26,570	21,889	72.7	2,527,890	2,325,270.5	8.70	1.21	1.00	1.21
36-Month Enrollment Span After Index												
08 to 09 Years	136	136	136	165	136	0.5	809,449	313,091.3	0.17	1.21	1.00	1.21
09 to 10 Years	4,643	4,643	4,645	4,766	4,648	13.0	1,235,958	678,481.2	3.76	1.03	1.00	1.03
10 to 11 Years	10,058	10,058	10,061	10,355	10,055	28.3	1,525,141	954,268.6	6.59	1.03	1.00	1.03
11 to 12 Years	64,630	64,630	64,639	65,093	64,626	178.2	1,652,918	1,052,602.3	39.10	1.01	1.00	1.01
12 to 13 Years	69,503	69,503	69,519	70,565	69,616	193.2	1,709,205	1,105,901.3	40.66	1.02	1.00	1.02
13 to 14 Years	68,572	68,572	68,587	70,754	68,534	193.7	1,721,421	1,117,770.0	39.83	1.03	1.00	1.03
14 to 15 Years	80,818	80,818	80,842	83,383	80,780	228.3	1,744,482	1,129,121.5	46.33	1.03	1.00	1.03
15 to 16 Years	77,511	77,511	77,545	80,867	77,465	221.4	1,753,313	1,132,770.8	44.21	1.04	1.00	1.04
16 to 17 Years	69,913	69,913	69,950	73,799	69,852	202.0	1,685,702	1,069,315.4	41.47	1.06	1.00	1.06
17 to 18 Years	70,141	70,141	70,181	74,685	70,080	204.4	1,537,856	989,281.1	45.61	1.06	1.00	1.06
18 to 19 Years	60,094	60,094	60,136	64,759	60,016	177.3	1,420,370	890,104.8	42.31	1.08	1.00	1.08
19 to 20 Years	32,534	32,534	32,566	36,282	32,461	99.3	1,300,197	809,063.6	25.02	1.12	1.00	1.11
20 to 21 Years	24,498	24,498	24,511	27,443	24,444	75.1	1,126,165	695,047.5	21.75	1.12	1.00	1.12
21 to 22 Years	17,438	17,438	17,453	19,770	17,393	54.1	932,921	572,400.7	18.69	1.13	1.00	1.13
22 to 23 Years	13,438	13,438	13,450	15,761	13,416	43.1	822,786	479,024.4	16.33	1.17	1.00	1.17
23 to 24 Years	12,075	12,075	12,087	14,173	12,029	38.8	799,520	405,144.5	15.10	1.17	1.00	1.17
24 to 25 Years	13,927	13,927	13,944	16,240	13,880	44.4	824,986	489,704.1	16.88	1.17	1.00	1.16
25 to 26 Years	15,659	15,659	15,683	18,579	15,609	50.8	949,844	569,259.5	16.49	1.19	1.00	1.18
26 to 27 Years	13,952	13,952	13,965	16,886	13,888	46.2	1,520,018	1,355,140.5	9.18	1.21	1.00	1.21
Minimum of 365 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
08 to 09 Years	361	361	361	390	361	1.1	1,132,135	546,886.2	0.32	1.08	1.00	1.08
09 to 10 Years	12,378	12,378	12,381	12,560	12,382	34.4	2,123,725	1,059,591.1	5.83	1.01	1.00	1.01

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
10 to 11 Years	27,112	27,112	27,118	27,499	27,107	75.3	2,826,861	1,781,171.4	9.59	1.01	1.00	1.01
11 to 12 Years	226,155	226,155	226,181	227,479	226,145	622.8	3,334,532	2,234,164.1	67.82	1.01	1.00	1.01
12 to 13 Years	232,472	232,472	232,504	234,244	232,582	641.3	3,612,773	2,518,023.8	64.35	1.01	1.00	1.01
13 to 14 Years	214,802	214,802	214,837	218,072	214,756	597.0	3,762,002	2,682,374.6	57.10	1.02	1.00	1.02
14 to 15 Years	236,040	236,040	236,101	239,990	236,006	657.0	3,845,439	2,759,446.5	61.38	1.02	1.00	1.02
15 to 16 Years	216,616	216,616	216,679	222,470	216,530	609.0	3,875,597	2,807,057.6	55.89	1.03	1.00	1.03
16 to 17 Years	200,395	200,395	200,458	206,524	200,287	565.4	3,907,070	2,858,888.7	51.29	1.03	1.00	1.03
17 to 18 Years	201,780	201,780	201,858	210,458	201,653	576.1	3,922,911	2,911,568.3	51.44	1.04	1.00	1.04
18 to 19 Years	163,504	163,504	163,587	172,348	163,344	471.8	3,854,998	2,849,722.4	42.41	1.05	1.00	1.05
19 to 20 Years	81,893	81,893	81,956	89,420	81,744	244.7	3,650,322	2,660,059.2	22.43	1.09	1.00	1.09
20 to 21 Years	66,991	66,991	67,037	74,109	66,877	202.8	3,604,290	2,617,349.9	18.59	1.11	1.00	1.11
21 to 22 Years	58,960	58,960	59,007	65,939	58,821	180.5	3,512,433	2,529,674.2	16.79	1.12	1.00	1.12
22 to 23 Years	48,813	48,813	48,845	55,048	48,707	150.7	3,326,229	2,303,067.0	14.68	1.13	1.00	1.13
23 to 24 Years	43,910	43,910	43,950	50,260	43,783	137.5	3,240,303	2,106,631.4	13.55	1.14	1.00	1.14
24 to 25 Years	46,176	46,176	46,220	53,240	46,035	145.7	3,330,058	2,122,788.8	13.87	1.15	1.00	1.15
25 to 26 Years	44,938	44,938	44,988	52,617	44,799	144.0	3,361,717	2,087,430.8	13.37	1.17	1.00	1.17
26 to 27 Years	35,884	35,884	35,918	42,634	35,729	116.7	4,717,534	4,307,462.2	7.61	1.19	1.00	1.19
6-Month Enrollment Span After Index												
08 to 09 Years	320	320	320	349	320	1.0	1,054,849	504,576.1	0.30	1.09	1.00	1.09
09 to 10 Years	11,286	11,286	11,289	11,468	11,290	31.4	1,975,557	973,218.3	5.71	1.02	1.00	1.02
10 to 11 Years	24,517	24,517	24,523	24,904	24,513	68.2	2,631,417	1,640,731.3	9.32	1.02	1.00	1.02
11 to 12 Years	201,453	201,453	201,478	202,718	201,444	555.0	3,115,019	2,067,386.7	64.67	1.01	1.00	1.01
12 to 13 Years	205,946	205,946	205,977	207,660	206,056	568.5	3,381,108	2,334,453.0	60.91	1.01	1.00	1.01
13 to 14 Years	192,781	192,781	192,815	195,963	192,736	536.5	3,497,401	2,465,726.4	55.12	1.02	1.00	1.02
14 to 15 Years	212,454	212,454	212,505	216,244	212,415	592.0	3,579,338	2,539,594.5	59.36	1.02	1.00	1.02
15 to 16 Years	196,302	196,302	196,363	201,953	196,219	552.9	3,612,491	2,587,022.1	54.34	1.03	1.00	1.03
16 to 17 Years	182,265	182,265	182,327	188,333	182,159	515.6	3,644,606	2,636,029.2	50.01	1.03	1.00	1.03
17 to 18 Years	183,962	183,962	184,037	192,322	183,841	526.5	3,656,067	2,677,463.6	50.32	1.05	1.00	1.05
18 to 19 Years	146,747	146,747	146,824	155,038	146,599	424.4	3,549,751	2,556,136.1	41.34	1.06	1.00	1.06

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
19 to 20 Years	74,773	74,773	74,829	81,840	74,626	224.0	3,351,721	2,400,206.3	22.31	1.09	1.00	1.09
20 to 21 Years	61,361	61,361	61,405	68,063	61,255	186.3	3,301,422	2,355,095.3	18.59	1.11	1.00	1.11
21 to 22 Years	53,143	53,143	53,183	59,517	53,010	162.9	3,184,501	2,246,833.1	16.69	1.12	1.00	1.12
22 to 23 Years	42,665	42,665	42,694	48,090	42,574	131.6	2,963,802	1,997,497.0	14.40	1.13	1.00	1.13
23 to 24 Years	38,759	38,759	38,793	44,436	38,642	121.6	2,871,957	1,828,051.2	13.50	1.15	1.00	1.15
24 to 25 Years	40,426	40,426	40,464	46,559	40,300	127.4	2,943,120	1,836,814.3	13.74	1.15	1.00	1.15
25 to 26 Years	38,906	38,906	38,952	46,028	38,781	126.0	2,942,964	1,768,333.6	13.22	1.18	1.00	1.18
26 to 27 Years	31,948	31,948	31,978	38,052	31,812	104.2	4,169,052	3,806,440.9	7.66	1.19	1.00	1.19
9-Month Enrollment Span After Index												
08 to 09 Years	298	298	298	327	298	0.9	970,437	457,330.2	0.31	1.10	1.00	1.10
09 to 10 Years	10,272	10,272	10,275	10,425	10,276	28.5	1,818,978	888,068.5	5.65	1.01	1.00	1.01
10 to 11 Years	22,202	22,202	22,208	22,531	22,199	61.7	2,431,339	1,503,678.3	9.13	1.01	1.00	1.01
11 to 12 Years	179,719	179,719	179,742	180,866	179,710	495.2	2,884,953	1,902,034.8	62.30	1.01	1.00	1.01
12 to 13 Years	184,873	184,873	184,903	186,503	184,986	510.6	3,137,483	2,151,601.1	58.92	1.01	1.00	1.01
13 to 14 Years	173,213	173,213	173,246	176,307	173,170	482.7	3,219,987	2,249,728.8	53.79	1.02	1.00	1.02
14 to 15 Years	191,274	191,274	191,324	194,790	191,243	533.2	3,299,087	2,318,778.5	57.98	1.02	1.00	1.02
15 to 16 Years	177,311	177,311	177,370	182,777	177,234	500.4	3,327,227	2,358,072.9	53.29	1.03	1.00	1.03
16 to 17 Years	164,906	164,906	164,964	170,823	164,804	467.6	3,361,252	2,403,526.6	49.06	1.04	1.00	1.04
17 to 18 Years	166,213	166,213	166,283	174,149	166,101	476.7	3,365,057	2,430,396.8	49.39	1.05	1.00	1.05
18 to 19 Years	131,161	131,161	131,233	138,779	131,029	379.9	3,227,030	2,261,631.3	40.64	1.06	1.00	1.06
19 to 20 Years	67,709	67,709	67,762	74,366	67,574	203.5	3,036,376	2,138,384.6	22.30	1.10	1.00	1.10
20 to 21 Years	55,553	55,553	55,595	61,710	55,460	168.9	2,974,411	2,087,538.2	18.68	1.11	1.00	1.11
21 to 22 Years	47,189	47,189	47,223	53,051	47,068	145.2	2,827,664	1,959,953.6	16.69	1.12	1.00	1.12
22 to 23 Years	36,802	36,802	36,828	41,608	36,727	113.9	2,579,334	1,703,470.2	14.27	1.13	1.00	1.13
23 to 24 Years	33,744	33,744	33,775	38,956	33,639	106.6	2,493,450	1,560,493.8	13.53	1.15	1.00	1.15
24 to 25 Years	34,929	34,929	34,961	40,364	34,813	110.5	2,549,127	1,563,879.0	13.70	1.16	1.00	1.15
25 to 26 Years	33,095	33,095	33,137	39,567	32,985	108.3	2,529,253	1,478,013.5	13.08	1.20	1.00	1.19
26 to 27 Years	28,197	28,197	28,224	33,832	28,072	92.6	3,632,730	3,335,207.5	7.76	1.20	1.00	1.20
12-Month Enrollment Span After Index												

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing/
08 to 09 Years	272	272	272	301	272	0.8	906,326	410,411.4	0.30	1.11	1.00	1.11
09 to 10 Years	9,327	9,327	9,330	9,480	9,331	25.9	1,687,844	808,117.4	5.53	1.02	1.00	1.02
10 to 11 Years	20,265	20,265	20,271	20,594	20,263	56.4	2,253,938	1,374,200.5	8.99	1.02	1.00	1.02
11 to 12 Years	160,986	160,986	161,007	162,075	160,977	443.7	2,679,976	1,746,438.7	60.07	1.01	1.00	1.01
12 to 13 Years	166,118	166,118	166,144	167,659	166,230	459.0	2,888,542	1,952,192.8	57.51	1.01	1.00	1.01
13 to 14 Years	155,308	155,308	155,338	158,256	155,267	433.2	2,970,808	2,045,459.0	52.28	1.02	1.00	1.02
14 to 15 Years	172,351	172,351	172,395	175,691	172,317	481.0	3,044,486	2,108,167.4	56.61	1.02	1.00	1.02
15 to 16 Years	159,836	159,836	159,893	164,954	159,764	451.6	3,063,160	2,135,588.7	52.18	1.03	1.00	1.03
16 to 17 Years	148,628	148,628	148,684	154,142	148,526	422.0	3,096,347	2,176,768.6	48.00	1.04	1.00	1.04
17 to 18 Years	149,909	149,909	149,977	157,406	149,803	430.9	3,090,715	2,186,439.3	48.50	1.05	1.00	1.05
18 to 19 Years	118,988	118,988	119,050	126,031	118,864	345.0	2,915,780	1,982,805.5	40.81	1.06	1.00	1.06
19 to 20 Years	61,426	61,426	61,475	67,455	61,299	184.6	2,745,709	1,889,764.6	22.37	1.10	1.00	1.10
20 to 21 Years	50,188	50,188	50,219	55,438	50,103	151.7	2,684,744	1,831,421.2	18.69	1.10	1.00	1.10
21 to 22 Years	41,334	41,334	41,363	46,793	41,221	128.1	2,521,355	1,688,361.1	16.39	1.13	1.00	1.13
22 to 23 Years	31,234	31,234	31,257	35,539	31,177	97.3	2,253,816	1,436,064.3	13.86	1.14	1.00	1.14
23 to 24 Years	29,114	29,114	29,141	33,714	29,019	92.3	2,173,059	1,318,345.4	13.40	1.16	1.00	1.16
24 to 25 Years	29,891	29,891	29,916	34,650	29,785	94.8	2,215,978	1,317,465.3	13.49	1.16	1.00	1.16
25 to 26 Years	28,145	28,145	28,181	33,997	28,047	93.0	2,161,852	1,229,104.9	13.02	1.21	1.00	1.21
26 to 27 Years	24,805	24,805	24,829	29,999	24,686	82.1	3,198,792	2,908,651.3	7.75	1.21	1.00	1.21
18-Month Enrollment Span After Index												
08 to 09 Years	202	202	202	231	202	0.6	765,875	355,454.2	0.26	1.14	1.00	1.14
09 to 10 Years	7,351	7,351	7,354	7,504	7,355	20.5	1,430,781	685,651.3	5.14	1.02	1.00	1.02
10 to 11 Years	16,003	16,003	16,009	16,332	16,001	44.7	1,923,023	1,171,433.9	8.32	1.02	1.00	1.02
11 to 12 Years	117,686	117,686	117,702	118,567	117,679	324.6	2,295,444	1,492,890.7	51.27	1.01	1.00	1.01
12 to 13 Years	120,808	120,808	120,830	122,171	120,920	334.5	2,420,472	1,616,890.5	49.91	1.01	1.00	1.01
13 to 14 Years	115,816	115,816	115,838	118,468	115,774	324.3	2,493,732	1,695,704.4	46.44	1.02	1.00	1.02
14 to 15 Years	129,763	129,763	129,803	132,841	129,726	363.7	2,545,549	1,735,555.2	50.98	1.02	1.00	1.02
15 to 16 Years	122,232	122,232	122,284	127,001	122,168	347.7	2,564,899	1,758,551.0	47.66	1.04	1.00	1.04
16 to 17 Years	114,254	114,254	114,304	119,160	114,165	326.2	2,590,964	1,787,032.4	44.10	1.04	1.00	1.04

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
17 to 18 Years	113,949	113,949	114,007	120,670	113,856	330.3	2,531,988	1,731,405.1	45.00	1.06	1.00	1.06
18 to 19 Years	91,449	91,449	91,503	97,665	91,341	267.3	2,306,811	1,567,930.0	39.64	1.07	1.00	1.07
19 to 20 Years	49,149	49,149	49,192	54,285	49,038	148.6	2,193,136	1,489,100.0	22.41	1.10	1.00	1.10
20 to 21 Years	39,795	39,795	39,820	44,257	39,726	121.1	2,108,728	1,406,639.2	18.87	1.11	1.00	1.11
21 to 22 Years	31,219	31,219	31,246	35,765	31,127	97.9	1,912,211	1,240,925.3	16.33	1.15	1.00	1.14
22 to 23 Years	23,573	23,573	23,590	26,923	23,527	73.7	1,651,145	1,038,670.3	14.28	1.14	1.00	1.14
23 to 24 Years	21,908	21,908	21,931	25,666	21,831	70.2	1,582,755	943,297.4	13.84	1.17	1.00	1.17
24 to 25 Years	21,508	21,508	21,529	25,535	21,422	69.9	1,577,300	896,095.4	13.64	1.19	1.00	1.19
25 to 26 Years	22,057	22,057	22,087	26,547	21,985	72.6	1,512,501	930,002.4	14.58	1.20	1.00	1.20
26 to 27 Years	19,738	19,738	19,756	23,979	19,640	65.6	2,441,081	2,239,995.7	8.09	1.21	1.00	1.21
24-Month Enrollment Span After Index												
08 to 09 Years	159	159	159	188	159	0.5	669,172	292,541.2	0.24	1.18	1.00	1.18
09 to 10 Years	5,962	5,962	5,965	6,115	5,967	16.7	1,233,338	576,816.6	4.83	1.03	1.00	1.03
10 to 11 Years	12,988	12,988	12,993	13,316	12,985	36.4	1,663,491	994,493.5	7.81	1.03	1.00	1.02
11 to 12 Years	91,164	91,164	91,178	91,898	91,160	251.6	1,950,444	1,239,655.6	46.74	1.01	1.00	1.01
12 to 13 Years	95,267	95,267	95,285	96,335	95,381	263.7	2,033,229	1,322,161.9	46.86	1.01	1.00	1.01
13 to 14 Years	91,751	91,751	91,772	94,144	91,714	257.7	2,097,628	1,387,315.6	43.74	1.03	1.00	1.03
14 to 15 Years	103,116	103,116	103,147	105,663	103,080	289.3	2,121,869	1,400,919.4	48.60	1.02	1.00	1.02
15 to 16 Years	97,592	97,592	97,639	101,871	97,535	278.9	2,142,658	1,421,115.6	45.55	1.04	1.00	1.04
16 to 17 Years	90,798	90,798	90,840	95,103	90,720	260.3	2,156,262	1,430,654.1	42.11	1.05	1.00	1.05
17 to 18 Years	89,189	89,189	89,240	94,719	89,117	259.2	2,054,488	1,333,983.4	43.41	1.06	1.00	1.06
18 to 19 Years	73,422	73,422	73,472	78,906	73,328	216.0	1,866,359	1,220,864.7	39.34	1.07	1.00	1.07
19 to 20 Years	39,851	39,851	39,889	44,142	39,759	120.8	1,761,966	1,139,974.5	22.62	1.11	1.00	1.11
20 to 21 Years	31,431	31,431	31,452	35,194	31,380	96.3	1,641,365	1,047,383.6	19.15	1.12	1.00	1.12
21 to 22 Years	23,278	23,278	23,297	26,720	23,208	73.1	1,428,503	888,557.4	16.30	1.15	1.00	1.15
22 to 23 Years	17,671	17,671	17,685	20,255	17,639	55.4	1,208,652	737,492.9	14.62	1.15	1.00	1.15
23 to 24 Years	16,016	16,016	16,037	18,885	15,960	51.7	1,147,166	660,795.1	13.96	1.18	1.00	1.18
24 to 25 Years	15,382	15,382	15,397	18,578	15,316	50.8	1,133,975	603,857.4	13.56	1.21	1.00	1.21
25 to 26 Years	17,042	17,042	17,069	20,423	16,987	55.9	1,169,645	704,408.0	14.57	1.20	1.00	1.20

Table 2a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
26 to 27 Years	15,405	15,405	15,419	19,094	15,321	52.3	1,915,349	1,706,387.2	8.04	1.24	1.00	1.24
<i>36-Month Enrollment Span After Index</i>												
08 to 09 Years	104	104	104	133	104	0.4	491,780	211,712.0	0.21	1.28	1.00	1.28
09 to 10 Years	3,756	3,756	3,758	3,879	3,761	10.6	913,483	426,322.7	4.11	1.03	1.00	1.03
10 to 11 Years	8,094	8,094	8,098	8,392	8,092	23.0	1,198,852	699,426.4	6.75	1.04	1.00	1.04
11 to 12 Years	51,836	51,836	51,845	52,277	51,833	143.1	1,322,393	800,326.7	39.20	1.01	1.00	1.01
12 to 13 Years	56,025	56,025	56,036	56,941	56,137	155.9	1,382,431	856,177.0	40.53	1.02	1.00	1.02
13 to 14 Years	55,678	55,678	55,691	57,565	55,644	157.6	1,395,320	867,571.5	39.90	1.03	1.00	1.03
14 to 15 Years	64,529	64,529	64,549	66,659	64,497	182.5	1,416,496	877,597.9	45.56	1.03	1.00	1.03
15 to 16 Years	62,386	62,386	62,418	65,529	62,342	179.4	1,427,815	880,922.8	43.69	1.05	1.00	1.05
16 to 17 Years	55,967	55,967	55,999	59,546	55,909	163.0	1,384,689	836,417.1	40.42	1.06	1.00	1.06
17 to 18 Years	56,756	56,756	56,791	60,951	56,700	166.8	1,274,612	782,262.0	44.53	1.07	1.00	1.07
18 to 19 Years	47,654	47,654	47,689	51,696	47,587	141.5	1,161,503	698,515.9	41.03	1.08	1.00	1.08
19 to 20 Years	26,213	26,213	26,243	29,453	26,146	80.6	1,050,006	626,376.9	24.96	1.12	1.00	1.12
20 to 21 Years	19,184	19,184	19,199	21,846	19,133	59.8	919,148	542,759.2	20.87	1.14	1.00	1.14
21 to 22 Years	13,918	13,918	13,929	15,952	13,876	43.7	756,936	448,614.6	18.39	1.15	1.00	1.15
22 to 23 Years	9,939	9,939	9,949	11,662	9,929	31.9	627,033	360,172.4	15.85	1.17	1.00	1.17
23 to 24 Years	7,583	7,583	7,591	8,921	7,553	24.4	573,178	268,350.4	13.23	1.18	1.00	1.18
24 to 25 Years	9,367	9,367	9,378	11,437	9,327	31.3	590,667	334,120.2	15.86	1.22	1.00	1.22
25 to 26 Years	10,795	10,795	10,813	13,049	10,758	35.7	691,740	398,094.1	15.61	1.21	1.00	1.21
26 to 27 Years	9,768	9,768	9,775	12,004	9,713	32.9	1,160,919	970,800.0	8.41	1.23	1.00	1.23

*The number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.

Table 2b: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with both Drug and Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 183 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
08 to 09 Years	321	321	321	379	320	1.0	1,298,425	523,988.0	0.25	1.18	1.00	1.18
09 to 10 Years	9,653	9,653	9,656	9,835	9,657	26.9	1,890,039	1,064,471.5	5.11	1.02	1.00	1.02
10 to 11 Years	20,436	20,436	20,440	20,850	20,427	57.1	2,286,359	1,473,099.3	8.94	1.02	1.00	1.02
11 to 12 Years	160,117	160,117	160,142	161,492	160,103	442.1	2,556,797	1,701,499.2	62.62	1.01	1.00	1.01
12 to 13 Years	165,943	165,943	165,969	167,908	166,042	459.7	2,674,289	1,826,871.1	62.05	1.01	1.00	1.01
13 to 14 Years	151,304	151,304	151,335	154,860	151,244	423.9	2,731,949	1,901,814.4	55.38	1.02	1.00	1.02
14 to 15 Years	166,800	166,800	166,849	171,710	166,739	470.1	2,768,932	1,935,405.3	60.24	1.03	1.00	1.03
15 to 16 Years	154,668	154,668	154,734	160,886	154,572	440.4	2,777,854	1,955,505.2	55.68	1.04	1.00	1.04
16 to 17 Years	143,225	143,225	143,288	150,222	143,095	411.2	2,791,781	1,982,485.4	51.30	1.05	1.00	1.05
17 to 18 Years	143,798	143,798	143,876	153,568	143,648	420.3	2,798,439	2,005,510.3	51.39	1.07	1.00	1.07
18 to 19 Years	119,461	119,461	119,543	129,457	119,269	354.4	2,825,025	1,972,158.4	42.29	1.08	1.00	1.08
19 to 20 Years	61,979	61,979	62,041	70,523	61,814	193.0	2,745,266	1,897,809.4	22.58	1.14	1.00	1.14
20 to 21 Years	53,102	53,102	53,141	60,898	52,970	166.7	2,716,950	1,891,899.1	19.54	1.15	1.00	1.15
21 to 22 Years	47,357	47,357	47,416	55,417	47,203	151.7	2,684,962	1,841,899.1	17.64	1.17	1.00	1.17
22 to 23 Years	42,009	42,009	42,054	49,967	41,873	136.7	2,686,999	1,734,322.5	15.63	1.19	1.00	1.19
23 to 24 Years	42,094	42,094	42,139	50,119	41,911	137.1	2,779,600	1,726,214.2	15.14	1.19	1.00	1.19
24 to 25 Years	43,427	43,427	43,479	52,513	43,242	143.7	2,874,171	1,777,343.0	15.11	1.21	1.00	1.21
25 to 26 Years	42,772	42,772	42,837	52,606	42,587	143.9	2,950,735	1,781,599.0	14.50	1.23	1.00	1.23
26 to 27 Years	35,435	35,435	35,475	43,986	35,234	120.4	4,302,087	3,723,107.1	8.24	1.24	1.00	1.24

Table 2b: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with both Drug and Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
18-Month Enrollment Span After Index												
08 to 09 Years	167	167	167	196	167	0.5	749,295	304,343.1	0.22	1.17	1.00	1.17
09 to 10 Years	5,491	5,491	5,494	5,673	5,495	15.5	1,121,927	627,180.3	4.89	1.03	1.00	1.03
10 to 11 Years	11,321	11,321	11,324	11,647	11,315	31.9	1,382,057	885,034.7	8.19	1.03	1.00	1.03
11 to 12 Years	79,302	79,302	79,311	80,093	79,289	219.3	1,569,644	1,039,785.3	50.52	1.01	1.00	1.01
12 to 13 Years	81,467	81,467	81,483	82,965	81,569	227.1	1,624,088	1,096,433.8	50.16	1.02	1.00	1.02
13 to 14 Years	77,801	77,801	77,819	80,625	77,751	220.7	1,653,777	1,132,451.6	47.04	1.04	1.00	1.04
14 to 15 Years	87,373	87,373	87,403	90,869	87,318	248.8	1,674,654	1,146,457.4	52.17	1.04	1.00	1.04
15 to 16 Years	83,345	83,345	83,393	88,125	83,279	241.2	1,681,697	1,156,881.9	49.56	1.06	1.00	1.06
16 to 17 Years	77,789	77,789	77,836	83,004	77,691	227.2	1,690,785	1,168,398.0	46.01	1.07	1.00	1.07
17 to 18 Years	77,130	77,130	77,188	84,185	77,029	230.4	1,637,426	1,118,438.6	47.10	1.09	1.00	1.09
18 to 19 Years	63,122	63,122	63,177	69,997	63,002	191.6	1,517,602	1,019,134.3	41.59	1.11	1.00	1.11
19 to 20 Years	34,629	34,629	34,664	40,254	34,504	110.2	1,479,718	996,271.0	23.40	1.16	1.00	1.16
20 to 21 Years	29,216	29,216	29,236	33,923	29,148	92.8	1,425,600	954,167.1	20.49	1.16	1.00	1.16
21 to 22 Years	22,590	22,590	22,618	27,383	22,497	74.9	1,302,583	848,414.4	17.34	1.21	1.00	1.21
22 to 23 Years	18,874	18,874	18,897	22,957	18,816	62.8	1,204,469	747,987.1	15.67	1.22	1.00	1.21
23 to 24 Years	19,394	19,394	19,411	23,552	19,291	64.5	1,232,382	742,509.5	15.74	1.21	1.00	1.21
24 to 25 Years	19,068	19,068	19,092	23,542	18,969	64.4	1,255,511	739,492.9	15.19	1.23	1.00	1.23
25 to 26 Years	19,736	19,736	19,772	25,032	19,648	68.5	1,256,431	773,514.4	15.71	1.27	1.00	1.27
26 to 27 Years	17,540	17,540	17,563	22,403	17,434	61.3	1,947,252	1,789,371.4	9.01	1.28	1.00	1.28

Table 2b: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with both Drug and Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 365 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
08 to 09 Years	249	249	249	278	249	0.8	710,161	340,214.0	0.35	1.12	1.00	1.12
09 to 10 Years	7,923	7,923	7,926	8,105	7,927	22.2	1,297,617	647,637.0	6.11	1.02	1.00	1.02
10 to 11 Years	16,703	16,703	16,707	17,088	16,696	46.8	1,694,335	1,054,986.0	9.86	1.02	1.00	1.02
11 to 12 Years	133,665	133,665	133,685	134,983	133,650	369.5	1,963,631	1,293,272.5	68.07	1.01	1.00	1.01
12 to 13 Years	137,881	137,881	137,900	139,611	137,979	382.2	2,094,217	1,430,188.0	65.84	1.01	1.00	1.01
13 to 14 Years	126,160	126,160	126,187	129,392	126,108	354.2	2,162,965	1,510,161.8	58.33	1.03	1.00	1.03
14 to 15 Years	137,634	137,634	137,680	141,482	137,589	387.3	2,203,218	1,548,137.9	62.47	1.03	1.00	1.03
15 to 16 Years	127,545	127,545	127,601	133,305	127,455	364.9	2,215,234	1,568,180.0	57.58	1.05	1.00	1.04
16 to 17 Years	117,816	117,816	117,871	123,763	117,703	338.8	2,231,375	1,592,703.4	52.80	1.05	1.00	1.05
17 to 18 Years	118,771	118,771	118,839	127,340	118,641	348.5	2,242,556	1,615,764.3	52.96	1.07	1.00	1.07
18 to 19 Years	97,230	97,230	97,296	105,858	97,058	289.8	2,203,408	1,572,825.7	44.13	1.09	1.00	1.09
19 to 20 Years	49,365	49,365	49,419	56,591	49,212	154.9	2,100,107	1,483,740.1	23.51	1.15	1.00	1.15
20 to 21 Years	41,040	41,040	41,079	48,196	40,921	131.9	2,088,647	1,476,021.9	19.65	1.17	1.00	1.17
21 to 22 Years	36,296	36,296	36,340	43,102	36,156	118.0	2,042,391	1,428,974.3	17.77	1.19	1.00	1.19
22 to 23 Years	30,126	30,126	30,151	36,200	30,018	99.1	1,931,981	1,303,412.5	15.59	1.20	1.00	1.20
23 to 24 Years	27,613	27,613	27,651	33,575	27,492	91.9	1,920,796	1,220,426.2	14.38	1.22	1.00	1.21
24 to 25 Years	29,597	29,597	29,637	36,456	29,456	99.7	2,016,166	1,258,157.4	14.68	1.23	1.00	1.23
25 to 26 Years	29,186	29,186	29,228	36,492	29,043	99.9	2,069,245	1,263,962.4	14.10	1.25	1.00	1.25
26 to 27 Years	24,218	24,218	24,249	30,793	24,066	84.3	3,033,695	2,677,268.9	7.98	1.27	1.00	1.27

Table 2b: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with both Drug and Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Age Group

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
18-Month Enrollment Span After Index												
08 to 09 Years	136	136	136	165	136	0.5	454,527	209,427.9	0.30	1.21	1.00	1.21
09 to 10 Years	4,602	4,602	4,605	4,755	4,606	13.0	823,675	395,718.8	5.59	1.03	1.00	1.03
10 to 11 Years	9,464	9,464	9,468	9,791	9,460	26.8	1,083,172	651,681.7	8.74	1.03	1.00	1.03
11 to 12 Years	66,825	66,825	66,833	67,593	66,813	185.1	1,269,111	810,473.0	52.65	1.01	1.00	1.01
12 to 13 Years	68,438	68,438	68,451	69,792	68,542	191.1	1,329,465	872,249.9	51.48	1.02	1.00	1.02
13 to 14 Years	65,677	65,677	65,694	68,236	65,634	186.8	1,364,031	909,813.0	48.15	1.04	1.00	1.04
14 to 15 Years	72,786	72,786	72,815	75,650	72,743	207.1	1,384,365	925,194.7	52.58	1.04	1.00	1.04
15 to 16 Years	69,671	69,671	69,716	74,208	69,608	203.1	1,392,899	934,395.2	50.02	1.07	1.00	1.06
16 to 17 Years	64,645	64,645	64,686	69,281	64,554	189.6	1,404,459	944,848.3	46.03	1.07	1.00	1.07
17 to 18 Years	64,600	64,600	64,652	70,899	64,514	194.0	1,370,093	910,596.2	47.15	1.10	1.00	1.10
18 to 19 Years	52,396	52,396	52,440	58,315	52,290	159.6	1,248,212	827,218.4	41.98	1.11	1.00	1.11
19 to 20 Years	28,407	28,407	28,439	33,214	28,291	90.9	1,198,822	794,245.4	23.70	1.17	1.00	1.17
20 to 21 Years	23,280	23,280	23,302	27,628	23,216	75.6	1,158,751	758,880.9	20.09	1.19	1.00	1.19
21 to 22 Years	18,318	18,318	18,343	22,518	18,230	61.6	1,056,373	675,616.0	17.34	1.23	1.00	1.23
22 to 23 Years	14,141	14,141	14,153	17,274	14,098	47.3	921,777	574,895.9	15.34	1.22	1.00	1.22
23 to 24 Years	13,071	13,071	13,090	16,185	13,005	44.3	899,381	531,959.5	14.53	1.24	1.00	1.24
24 to 25 Years	13,272	13,272	13,289	16,928	13,192	46.3	923,202	524,203.0	14.38	1.28	1.00	1.27
25 to 26 Years	13,750	13,750	13,773	17,798	13,684	48.7	915,310	552,914.5	15.02	1.29	1.00	1.29
26 to 27 Years	12,542	12,542	12,557	16,405	12,452	44.9	1,475,856	1,316,372.0	8.50	1.31	1.00	1.31

*The number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.

Table 3a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Sex

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 183 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
Female	2,098,963	2,098,963	2,099,848	2,209,204	2,097,050	6,047.5	18,015,109	30,792,583.1	116.51	1.05	1.00	1.05
Male	538,035	538,035	538,133	543,178	538,085	1,487.1	17,977,015	35,230,391.6	29.93	1.01	1.00	1.01
Unknown	97	97	97	97	97	0.3	1,723	2,594.5	56.30	1.00	1.00	1.00
6-Month Enrollment Span After Index												
Female	1,890,664	1,890,664	1,891,468	1,992,201	1,888,899	5,453.5	15,300,921	27,495,244.6	123.57	1.05	1.00	1.05
Male	457,953	457,953	458,040	462,588	458,001	1,266.4	15,339,147	31,583,525.6	29.86	1.01	1.00	1.01
Unknown	83	83	83	83	83	0.2	1,321	2,215.8	62.83	1.00	1.00	1.00
9-Month Enrollment Span After Index												
Female	1,733,633	1,733,633	1,734,370	1,827,186	1,732,031	5,001.8	13,989,924	24,590,752.3	123.92	1.05	1.00	1.05
Male	389,378	389,378	389,460	393,633	389,441	1,077.7	14,043,564	28,304,142.5	27.73	1.01	1.00	1.01
Unknown	79	79	79	79	79	0.2	1,158	1,933.5	68.22	1.00	1.00	1.00
12-Month Enrollment Span After Index												
Female	1,588,649	1,588,649	1,589,323	1,674,809	1,587,190	4,584.6	12,854,234	21,825,755.9	123.59	1.05	1.00	1.05
Male	329,313	329,313	329,380	332,989	329,379	911.6	12,911,289	25,166,822.2	25.51	1.01	1.00	1.01
Unknown	67	67	67	67	67	0.2	1,062	1,678.1	63.09	1.00	1.00	1.00
18-Month Enrollment Span After Index												
Female	1,260,864	1,260,864	1,261,437	1,334,010	1,259,632	3,651.7	9,816,133	17,025,530.6	128.45	1.06	1.00	1.06
Male	170,527	170,527	170,570	173,235	170,603	474.3	9,892,544	19,696,279.3	17.24	1.02	1.00	1.02
Unknown	46	46	46	46	46	0.1	750	1,243.7	61.33	1.00	1.00	1.00
24-Month Enrollment Span After Index												
Female	1,052,691	1,052,691	1,053,194	1,115,032	1,051,667	3,052.2	8,272,734	13,410,846.6	127.25	1.06	1.00	1.06
Male	97,594	97,594	97,626	99,254	97,691	271.7	8,343,067	15,510,278.2	11.70	1.02	1.00	1.02
Unknown	40	40	40	40	40	0.1	602	937.5	66.45	1.00	1.00	1.00
36-Month Enrollment Span After Index												
Female	700,401	700,401	700,758	744,657	699,675	2,038.4	5,411,631	8,035,730.5	129.43	1.06	1.00	1.06
Male	19,111	19,111	19,114	19,640	19,219	53.8	5,456,250	9,246,630.6	3.50	1.03	1.00	1.03
Unknown	28	28	28	28	28	0.1	351	519.3	79.77	1.00	1.00	1.00

Table 3a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Sex

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 365 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
Female	1,673,118	1,673,118	1,673,830	1,764,681	1,671,520	4,830.6	13,944,135	24,327,818.5	119.99	1.05	1.00	1.05
Male	485,982	485,982	486,076	490,540	486,044	1,343.0	14,029,128	27,835,056.0	34.64	1.01	1.00	1.01
Unknown	80	80	80	80	80	0.2	1,182	1,954.8	67.68	1.00	1.00	1.00
6-Month Enrollment Span After Index												
Female	1,525,303	1,525,303	1,525,962	1,610,747	1,523,815	4,409.2	12,766,778	21,905,545.7	119.47	1.06	1.00	1.06
Male	414,641	414,641	414,724	418,720	414,702	1,146.3	12,852,382	25,142,453.3	32.26	1.01	1.00	1.01
Unknown	70	70	70	70	70	0.2	1,062	1,698.7	65.91	1.00	1.00	1.00
9-Month Enrollment Span After Index												
Female	1,389,395	1,389,395	1,390,012	1,468,657	1,388,053	4,020.3	11,440,734	19,492,820.5	121.44	1.06	1.00	1.06
Male	349,199	349,199	349,273	353,008	349,265	966.4	11,533,262	22,436,434.9	30.28	1.01	1.00	1.01
Unknown	66	66	66	66	66	0.2	926	1,469.8	71.27	1.00	1.00	1.00
12-Month Enrollment Span After Index												
Female	1,263,193	1,263,193	1,263,751	1,336,066	1,261,947	3,657.3	10,385,037	17,228,107.3	121.64	1.06	1.00	1.06
Male	294,877	294,877	294,936	298,053	294,944	816.0	10,493,641	19,877,085.2	28.10	1.01	1.00	1.01
Unknown	55	55	55	55	55	0.2	825	1,272.2	66.67	1.00	1.00	1.00
18-Month Enrollment Span After Index												
Female	1,023,030	1,023,030	1,023,520	1,085,756	1,021,972	2,972.1	8,276,785	13,576,209.7	123.60	1.06	1.00	1.06
Male	155,393	155,393	155,430	157,774	155,470	431.9	8,367,985	15,690,605.7	18.57	1.02	1.00	1.02
Unknown	37	37	37	37	37	0.1	606	959.3	61.06	1.00	1.00	1.00
24-Month Enrollment Span After Index												
Female	839,887	839,887	840,311	892,562	839,016	2,443.2	6,835,097	10,527,566.0	122.88	1.06	1.00	1.06
Male	87,565	87,565	87,592	88,955	87,663	243.5	6,911,781	12,181,394.6	12.67	1.02	1.00	1.02
Unknown	32	32	32	32	32	0.1	505	712.7	63.37	1.00	1.00	1.00
36-Month Enrollment Span After Index												
Female	552,629	552,629	552,929	590,473	552,005	1,616.3	4,571,871	6,139,174.4	120.88	1.07	1.00	1.07
Male	16,902	16,902	16,905	17,398	17,012	47.6	4,627,013	7,075,111.6	3.65	1.03	1.00	1.03
Unknown	21	21	21	21	21	0.1	300	381.0	70.00	1.00	1.00	1.00

*The number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.

Table 3b: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with both Drug and Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Sex

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 183 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
Female	1,306,277	1,306,277	1,307,039	1,414,513	1,304,294	3,871.8	11,494,865	17,964,054.6	113.64	1.08	1.00	1.08
Male	297,569	297,569	297,641	302,628	297,596	828.5	11,445,980	20,496,935.2	26.00	1.02	1.00	1.02
Unknown	55	55	55	55	55	0.2	1,104	1,327.7	49.82	1.00	1.00	1.00
18-Month Enrollment Span After Index												
Female	737,954	737,954	738,420	806,535	736,739	2,207.6	5,761,841	9,399,530.1	128.08	1.09	1.00	1.09
Male	87,380	87,380	87,407	89,869	87,447	246.0	5,798,088	10,869,083.0	15.07	1.03	1.00	1.03
Unknown	21	21	21	21	21	0.1	413	516.7	50.85	1.00	1.00	1.00
Minimum of 365 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
Female	1,024,278	1,024,278	1,024,882	1,113,420	1,022,629	3,047.6	8,579,309	13,895,390.8	119.39	1.09	1.00	1.09
Male	264,696	264,696	264,769	269,146	264,742	736.8	8,599,799	15,902,088.6	30.78	1.02	1.00	1.02
Unknown	44	44	44	44	44	0.1	715	939.6	61.54	1.00	1.00	1.00
18-Month Enrollment Span After Index												
Female	596,722	596,722	597,118	655,170	595,693	1,793.2	4,771,202	7,399,338.1	125.07	1.10	1.00	1.10
Male	79,283	79,283	79,308	81,449	79,354	223.0	4,816,485	8,568,145.5	16.46	1.03	1.00	1.03
Unknown	16	16	16	16	16	0.0	308	367.8	51.95	1.00	1.00	1.00

*The number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.

Table 4a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 183 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
2006	34,426	34,426	34,462	40,922	34,405	112.0	5,431,810	2,578,632.2	6.34	1.19	1.00	1.19
2007	277,637	277,637	277,914	319,481	276,973	874.3	6,520,412	4,508,789.0	42.58	1.15	1.00	1.15
2008	485,050	485,050	485,268	512,234	484,577	1,402.2	15,456,764	8,176,111.4	31.38	1.06	1.00	1.06
2009	379,329	379,329	379,461	394,883	379,063	1,081.0	16,009,745	11,391,130.9	23.69	1.04	1.00	1.04
2010	301,843	301,843	301,914	309,192	301,707	846.5	15,445,532	11,149,327.6	19.54	1.02	1.00	1.02
2011	397,480	397,480	397,605	405,797	397,350	1,110.9	15,835,516	11,419,966.4	25.10	1.02	1.00	1.02
2012	543,862	543,862	543,961	550,155	543,757	1,506.2	15,914,433	11,437,647.9	34.17	1.01	1.00	1.01
2013	217,468	217,468	217,493	219,815	217,402	601.8	12,297,472	5,363,963.9	17.68	1.01	1.00	1.01
6-Month Enrollment Span After Index												
2006	32,673	32,673	32,709	39,000	32,659	106.7	4,879,392	2,382,174.0	6.70	1.19	1.00	1.19
2007	259,590	259,590	259,841	298,306	258,972	816.4	5,931,217	4,172,821.0	43.77	1.15	1.00	1.15
2008	439,613	439,613	439,806	464,580	439,179	1,271.7	13,352,880	7,418,292.8	32.92	1.06	1.00	1.06
2009	346,233	346,233	346,354	360,449	345,990	986.7	14,463,557	10,392,427.6	23.94	1.04	1.00	1.04
2010	279,159	279,159	279,225	285,883	279,032	782.7	14,055,216	10,284,481.4	19.86	1.02	1.00	1.02
2011	368,488	368,488	368,604	376,123	368,369	1,029.7	14,450,340	10,553,193.7	25.50	1.02	1.00	1.02
2012	492,242	492,242	492,331	497,977	492,142	1,363.3	14,398,445	10,493,190.5	34.19	1.01	1.00	1.01
2013	130,702	130,702	130,721	132,554	130,641	362.9	10,972,997	3,384,405.0	11.91	1.01	1.00	1.01
9-Month Enrollment Span After Index												
2006	31,078	31,078	31,109	37,099	31,068	101.5	4,607,682	2,249,203.5	6.74	1.19	1.00	1.19
2007	245,513	245,513	245,756	282,040	244,955	771.9	5,521,577	3,891,337.6	44.46	1.15	1.00	1.15
2008	415,115	415,115	415,293	437,943	414,718	1,198.8	12,459,613	6,914,487.9	33.32	1.05	1.00	1.05
2009	322,132	322,132	322,237	335,276	321,905	917.9	13,384,085	9,587,990.9	24.07	1.04	1.00	1.04
2010	263,233	263,233	263,293	269,358	263,115	737.4	13,107,951	9,592,558.8	20.08	1.02	1.00	1.02
2011	348,105	348,105	348,213	354,951	347,996	971.7	13,558,819	9,857,844.3	25.67	1.02	1.00	1.02
2012	458,126	458,126	458,209	463,523	458,031	1,269.0	13,379,083	9,686,766.5	34.24	1.01	1.00	1.01
2013	39,788	39,788	39,799	40,708	39,765	111.4	3,774,800	1,116,638.7	10.54	1.02	1.00	1.02

Table 4a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
12-Month Enrollment Span After Index												
2006	29,549	29,549	29,579	35,219	29,546	96.4	4,327,089	2,121,621.4	6.83	1.19	1.00	1.19
2007	232,702	232,702	232,924	266,470	232,198	729.3	5,038,054	3,634,723.0	46.19	1.15	1.00	1.14
2008	390,972	390,972	391,139	411,928	390,613	1,127.6	11,737,138	6,441,460.5	33.31	1.05	1.00	1.05
2009	299,947	299,947	300,045	312,094	299,738	854.4	11,867,026	8,863,048.9	25.28	1.04	1.00	1.04
2010	249,354	249,354	249,412	255,216	249,244	698.7	11,822,275	8,967,796.9	21.09	1.02	1.00	1.02
2011	330,405	330,405	330,504	336,833	330,305	922.1	12,231,643	9,218,588.8	27.01	1.02	1.00	1.02
2012	375,002	375,002	375,068	379,807	374,900	1,039.8	12,462,705	7,492,399.1	30.09	1.01	1.00	1.01
2013	10,098	10,098	10,099	10,298	10,092	28.2	3,075,585	254,617.6	3.28	1.02	1.00	1.02
18-Month Enrollment Span After Index												
2006	25,992	25,992	26,018	31,063	26,004	85.0	3,687,486	1,837,789.1	7.05	1.20	1.00	1.19
2007	205,300	205,300	205,496	234,622	204,867	642.1	4,366,500	3,153,107.6	47.02	1.14	1.00	1.14
2008	329,141	329,141	329,285	347,074	328,842	950.1	9,462,182	5,400,307.9	34.78	1.05	1.00	1.05
2009	260,734	260,734	260,823	271,198	260,550	742.4	10,262,579	7,680,372.6	25.41	1.04	1.00	1.04
2010	218,845	218,845	218,897	223,890	218,752	612.9	10,399,077	7,829,299.1	21.04	1.02	1.00	1.02
2011	278,218	278,218	278,302	283,659	278,131	776.5	10,693,081	7,900,734.2	26.02	1.02	1.00	1.02
2012	113,207	113,207	113,232	115,785	113,137	317.0	8,673,345	2,921,443.0	13.05	1.02	1.00	1.02
2013	0	0	0	0	0	0.0	0	0.0	---	---	---	---
24-Month Enrollment Span After Index												
2006	23,809	23,809	23,833	28,550	23,832	78.1	3,325,517	1,653,417.3	7.16	1.20	1.00	1.20
2007	184,302	184,302	184,479	209,040	183,933	572.1	3,913,459	2,768,845.6	47.09	1.13	1.00	1.13
2008	295,711	295,711	295,841	311,115	295,464	851.6	8,519,901	4,790,670.3	34.71	1.05	1.00	1.05
2009	233,133	233,133	233,215	242,350	232,976	663.5	8,819,311	6,808,369.5	26.43	1.04	1.00	1.04
2010	197,851	197,851	197,899	202,640	197,763	554.8	8,975,935	6,944,762.6	22.04	1.02	1.00	1.02
2011	210,082	210,082	210,149	214,701	209,995	587.8	9,470,776	5,739,014.9	22.18	1.02	1.00	1.02
2012	5,437	5,437	5,444	5,930	5,436	16.2	2,700,341	216,982.0	2.01	1.09	1.00	1.09
2013	0	0	0	0	0	0.0	0	0.0	---	---	---	---

Table 4a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
36-Month Enrollment Span After Index												
2006	19,193	19,193	19,211	22,707	19,235	62.1	2,572,803	1,294,054.3	7.46	1.18	1.00	1.18
2007	146,640	146,640	146,786	165,984	146,343	454.2	3,024,770	2,169,941.0	48.48	1.13	1.00	1.13
2008	237,773	237,773	237,875	249,701	237,597	683.5	6,591,392	3,825,659.8	36.07	1.05	1.00	1.05
2009	186,924	186,924	186,988	193,900	186,810	530.8	6,891,771	5,403,171.7	27.12	1.04	1.00	1.04
2010	125,671	125,671	125,699	128,462	125,603	351.7	7,194,887	4,419,281.9	17.47	1.02	1.00	1.02
2011	3,339	3,339	3,341	3,571	3,335	9.8	2,115,672	170,771.9	1.58	1.07	1.00	1.07
2012	0	0	0	0	0	0.0	0	0.0	---	---	---	---
2013	0	0	0	0	0	0.0	0	0.0	---	---	---	---
Minimum of 365 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
2006	3,868	3,868	3,879	5,855	3,981	16.0	683,129	554,721.8	5.66	1.51	1.00	1.51
2007	260,154	260,154	260,415	298,916	259,492	818.1	5,072,508	3,852,697.1	51.29	1.15	1.00	1.15
2008	180,887	180,887	181,016	202,063	180,487	553.0	11,754,969	3,918,589.7	15.39	1.12	1.00	1.12
2009	404,508	404,508	404,621	417,176	404,292	1,142.1	12,888,688	9,707,844.9	31.38	1.03	1.00	1.03
2010	268,597	268,597	268,668	275,227	268,484	753.5	12,422,565	9,641,917.1	21.62	1.02	1.00	1.02
2011	348,786	348,786	348,891	355,805	348,674	974.0	12,533,799	9,755,901.4	27.83	1.02	1.00	1.02
2012	483,054	483,054	483,143	488,728	482,962	1,338.0	13,918,057	9,923,484.7	34.71	1.01	1.00	1.01
2013	209,326	209,326	209,353	211,531	209,273	579.1	10,863,566	4,809,672.7	19.27	1.01	1.00	1.01
6-Month Enrollment Span After Index												
2006	3,713	3,713	3,724	5,669	3,827	15.5	647,287	527,194.7	5.74	1.53	1.00	1.52
2007	245,714	245,714	245,956	281,950	245,100	771.6	4,748,297	3,596,789.9	51.75	1.15	1.00	1.15
2008	169,286	169,286	169,404	188,848	168,913	516.9	10,851,148	3,634,167.5	15.60	1.12	1.00	1.11
2009	375,759	375,759	375,864	387,572	375,558	1,061.0	12,021,043	8,945,444.9	31.26	1.03	1.00	1.03
2010	250,804	250,804	250,869	256,991	250,698	703.6	11,621,193	8,974,080.4	21.58	1.02	1.00	1.02
2011	326,623	326,623	326,722	333,306	326,515	912.4	11,808,245	9,109,382.6	27.66	1.02	1.00	1.02
2012	440,114	440,114	440,195	445,434	440,026	1,219.5	12,976,094	9,176,513.3	33.92	1.01	1.00	1.01
2013	128,001	128,001	128,022	129,767	127,952	355.3	9,924,536	3,086,124.5	12.90	1.01	1.00	1.01

Table 4a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
9-Month Enrollment Span After Index												
2006	3,552	3,552	3,560	5,355	3,666	14.7	618,118	501,859.3	5.75	1.51	1.00	1.50
2007	232,827	232,827	233,062	267,050	232,271	730.9	4,444,333	3,365,050.8	52.39	1.15	1.00	1.15
2008	158,658	158,658	158,770	176,926	158,313	484.2	10,094,872	3,383,091.0	15.72	1.12	1.00	1.11
2009	349,981	349,981	350,074	360,909	349,793	988.0	11,162,810	8,262,814.9	31.35	1.03	1.00	1.03
2010	236,449	236,449	236,510	242,122	236,354	662.8	10,861,382	8,383,451.0	21.77	1.02	1.00	1.02
2011	308,844	308,844	308,939	315,002	308,748	862.3	11,112,609	8,524,702.8	27.79	1.02	1.00	1.02
2012	409,463	409,463	409,539	414,535	409,377	1,134.9	11,608,931	8,480,296.3	35.27	1.01	1.00	1.01
2013	38,886	38,886	38,897	39,832	38,864	109.0	3,456,134	1,029,459.0	11.25	1.02	1.00	1.02
12-Month Enrollment Span After Index												
2006	3,383	3,383	3,391	5,157	3,498	14.1	576,271	478,445.4	5.87	1.52	1.00	1.52
2007	220,483	220,483	220,698	252,216	219,973	690.3	4,061,470	3,151,380.4	54.29	1.14	1.00	1.14
2008	148,478	148,478	148,582	165,426	148,158	452.8	9,695,652	3,154,172.2	15.31	1.11	1.00	1.11
2009	322,672	322,672	322,758	332,626	322,499	910.6	9,740,569	7,641,913.3	33.13	1.03	1.00	1.03
2010	223,193	223,193	223,252	228,565	223,100	625.7	9,658,270	7,844,321.1	23.11	1.02	1.00	1.02
2011	292,812	292,812	292,898	298,515	292,722	817.2	9,989,448	7,981,630.1	29.31	1.02	1.00	1.02
2012	336,914	336,914	336,972	341,279	336,815	934.3	10,985,741	6,616,567.3	30.67	1.01	1.00	1.01
2013	10,190	10,190	10,191	10,390	10,183	28.4	2,852,478	238,035.0	3.57	1.02	1.00	1.02
18-Month Enrollment Span After Index												
2006	3,000	3,000	3,008	4,598	3,114	12.6	526,430	435,754.0	5.70	1.53	1.00	1.53
2007	197,684	197,684	197,877	225,663	197,237	617.6	3,608,137	2,767,912.5	54.79	1.14	1.00	1.14
2008	132,174	132,174	132,267	146,972	131,902	402.3	7,917,714	2,762,243.9	16.69	1.11	1.00	1.11
2009	287,793	287,793	287,873	296,453	287,641	811.6	8,704,908	6,734,627.2	33.06	1.03	1.00	1.03
2010	199,373	199,373	199,426	203,997	199,294	558.5	8,762,304	6,947,676.8	22.75	1.02	1.00	1.02
2011	249,750	249,750	249,825	254,771	249,671	697.5	8,929,977	6,941,158.7	27.97	1.02	1.00	1.02
2012	108,686	108,686	108,711	111,113	108,621	304.2	7,842,520	2,678,401.6	13.86	1.02	1.00	1.02
2013	0	0	0	0	0	0.0	0	0.0	---	---	---	---

Table 4a: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with at least Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
24-Month Enrollment Span After Index												
2006	2,723	2,723	2,730	4,213	2,837	11.5	477,425	391,829.0	5.70	1.55	1.00	1.54
2007	177,102	177,102	177,278	200,577	176,725	548.9	3,255,642	2,437,044.3	54.40	1.13	1.00	1.13
2008	116,716	116,716	116,797	129,080	116,490	353.3	7,233,680	2,441,667.4	16.14	1.11	1.00	1.11
2009	255,926	255,926	255,999	263,626	255,795	721.7	7,402,482	5,981,625.2	34.57	1.03	1.00	1.03
2010	179,819	179,819	179,868	184,210	179,746	504.3	7,528,567	6,168,395.8	23.88	1.02	1.00	1.02
2011	189,525	189,525	189,583	193,732	189,446	530.3	8,070,132	5,086,272.0	23.48	1.02	1.00	1.02
2012	5,673	5,673	5,680	6,111	5,673	16.7	2,518,334	202,839.5	2.25	1.08	1.00	1.08
2013	0	0	0	0	0	0.0	0	0.0	---	---	---	---
36-Month Enrollment Span After Index												
2006	2,258	2,258	2,264	3,500	2,374	9.6	390,874	323,070.2	5.78	1.55	1.00	1.55
2007	142,766	142,766	142,914	161,606	142,456	442.3	2,562,603	1,930,061.0	55.71	1.13	1.00	1.13
2008	96,048	96,048	96,109	105,497	95,887	288.8	5,723,778	2,004,321.0	16.78	1.10	1.00	1.10
2009	208,740	208,740	208,797	214,692	208,643	587.7	5,922,515	4,809,783.4	35.25	1.03	1.00	1.03
2010	116,288	116,288	116,317	118,884	116,231	325.5	6,225,818	3,988,561.5	18.68	1.02	1.00	1.02
2011	3,452	3,452	3,454	3,713	3,448	10.2	1,966,513	158,869.9	1.76	1.08	1.00	1.07
2012	0	0	0	0	0	0.0	0	0.0	---	---	---	---
2013	0	0	0	0	0	0.0	0	0.0	---	---	---	---

*The number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.

Table 4b: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with both Drug and Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 183 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
2006	24,928	24,928	24,962	31,253	24,912	85.5	3,740,955	1,830,137.7	6.66	1.25	1.00	1.25
2007	196,657	196,657	196,916	237,859	195,986	650.9	4,550,645	3,017,990.5	43.22	1.21	1.00	1.21
2008	317,117	317,117	317,302	343,863	316,627	941.2	9,989,864	5,229,447.6	31.74	1.08	1.00	1.08
2009	239,052	239,052	239,162	254,298	238,768	696.1	10,053,261	6,932,764.2	23.78	1.06	1.00	1.06
2010	185,301	185,301	185,362	192,476	185,160	526.9	9,305,815	6,494,719.7	19.91	1.04	1.00	1.04
2011	229,389	229,389	229,482	237,441	229,237	650.0	9,014,749	6,289,174.7	25.45	1.04	1.00	1.03
2012	296,626	296,626	296,698	302,775	296,497	828.9	8,742,687	5,977,875.4	33.93	1.02	1.00	1.02
2013	114,831	114,831	114,851	117,231	114,760	320.9	6,308,539	2,690,207.7	18.20	1.02	1.00	1.02
18-Month Enrollment Span After Index												
2006	18,153	18,153	18,177	22,937	18,168	62.8	2,445,677	1,270,338.4	7.42	1.26	1.00	1.26
2007	139,543	139,543	139,726	167,577	139,129	458.6	2,909,432	2,024,194.4	47.96	1.20	1.00	1.20
2008	198,044	198,044	198,154	214,767	197,743	587.8	5,620,526	3,223,082.3	35.24	1.08	1.00	1.08
2009	149,909	149,909	149,977	159,825	149,720	437.5	5,942,060	4,298,625.7	25.23	1.07	1.00	1.07
2010	122,839	122,839	122,877	127,299	122,750	348.5	5,701,250	4,164,467.5	21.55	1.04	1.00	1.04
2011	143,091	143,091	143,144	147,793	142,996	404.6	5,524,100	3,929,946.7	25.90	1.03	1.00	1.03
2012	53,776	53,776	53,793	56,227	53,702	153.9	4,167,780	1,358,474.7	12.90	1.05	1.00	1.05
2013	0	0	0	0	0	0.0	0	0.0	---	---	---	---

Table 4b: Summary of Incident HPV Vaccine Use and Subsequent Enrollment Episodes among Members with both Drug and Medical Coverage in the MSDD between January 1, 2006 and June 30, 2013, by Enrollment Requirement Prior to Index Date, Length of Enrollment Span after Index Date, and Year

	New Users*	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	Eligible Members	Member-Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing
Minimum of 365 Days of Enrollment Before Index												
3-Month Enrollment Span After Index												
2006	3,543	3,543	3,554	5,530	3,656	15.1	651,273	527,028.7	5.44	1.56	1.00	1.56
2007	182,784	182,784	183,025	220,269	182,134	602.8	3,433,857	2,555,090.4	53.23	1.21	1.00	1.20
2008	127,220	127,220	127,334	147,947	126,811	404.9	7,330,834	2,588,959.7	17.35	1.16	1.00	1.16
2009	247,866	247,866	247,954	260,297	247,631	712.6	8,020,897	5,841,959.6	30.90	1.05	1.00	1.05
2010	163,638	163,638	163,699	170,074	163,520	465.6	7,437,583	5,548,947.2	22.00	1.04	1.00	1.04
2011	199,426	199,426	199,507	206,196	199,297	564.4	7,134,878	5,319,661.4	27.95	1.03	1.00	1.03
2012	258,969	258,969	259,029	264,497	258,851	724.1	7,393,012	5,086,783.1	35.03	1.02	1.00	1.02
2013	105,572	105,572	105,593	107,800	105,515	295.1	5,371,679	2,329,989.0	19.65	1.02	1.00	1.02
18-Month Enrollment Span After Index												
2006	2,692	2,692	2,700	4,261	2,806	11.7	496,787	409,495.2	5.42	1.58	1.00	1.58
2007	133,926	133,926	134,104	160,311	133,509	438.7	2,361,229	1,767,173.2	56.72	1.20	1.00	1.20
2008	88,692	88,692	88,768	102,562	88,428	280.7	4,588,296	1,738,202.1	19.33	1.16	1.00	1.16
2009	160,851	160,851	160,906	168,977	160,692	462.6	5,026,770	3,740,066.2	32.00	1.05	1.00	1.05
2010	111,572	111,572	111,611	115,649	111,494	316.6	4,823,248	3,664,175.5	23.13	1.04	1.00	1.04
2011	127,777	127,777	127,826	132,093	127,693	361.6	4,648,987	3,427,678.6	27.48	1.03	1.00	1.03
2012	50,511	50,511	50,527	52,782	50,443	144.5	3,709,433	1,221,060.6	13.62	1.04	1.00	1.04
2013	0	0	0	0	0	0.0	0	0.0	---	---	---	---

*The number of users represents the number of individuals with an incident HPV vaccine who also have the required enrollment spans both before and after the incident vaccine.

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 3-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	624,295	2,812,804
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,812,804
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,812,804
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	208	2,812,596
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,812,596
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	175,501	2,637,095
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	2,637,095
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	2,637,095

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 6-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	1,153,462	2,283,637
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,283,637
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,283,637
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	111	2,283,526
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,283,526
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	124,346	2,159,180
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	2,159,180
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	2,159,180

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 9-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	624,295	2,812,804
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,812,804
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,812,804
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	208	2,812,596
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,812,596
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	463,896	2,348,700
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	2,348,700
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	2,348,700

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 12-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	1,153,462	2,283,637
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,283,637
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,283,637
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	111	2,283,526
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,283,526
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	343,512	1,940,014
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,940,014
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,940,014

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 18-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	624,295	2,812,804
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,812,804
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,812,804
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	208	2,812,596
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,812,596
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	689,506	2,123,090
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	2,123,090
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	2,123,090

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 24-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	1,153,462	2,283,637
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,283,637
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,283,637
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	111	2,283,526
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,283,526
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	544,866	1,738,660
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,738,660
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,738,660

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 36-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	624,295	2,812,804
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,812,804
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,812,804
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	208	2,812,596
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,812,596
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	894,567	1,918,029
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,918,029
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,918,029

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 3-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	1,153,462	2,283,637
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,283,637
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,283,637
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	111	2,283,526
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,283,526
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	725,401	1,558,125
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,558,125
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,558,125

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 6-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	624,295	2,812,804
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,812,804
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,812,804
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	208	2,812,596
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,812,596
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	1,381,159	1,431,437
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,431,437
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,431,437

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 9-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	1,153,462	2,283,637
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,283,637
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,283,637
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	111	2,283,526
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,283,526
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	1,105,066	1,178,460
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,178,460
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,178,460

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 12-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	624,295	2,812,804
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,812,804
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,812,804
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	208	2,812,596
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,812,596
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	1,662,271	1,150,325
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,150,325
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,150,325

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 18-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	1,153,462	2,283,637
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,283,637
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,283,637
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	111	2,283,526
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,283,526
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	1,356,042	927,484
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	927,484
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	927,484

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 24-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	624,295	2,812,804
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,812,804
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,812,804
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	208	2,812,596
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,812,596
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	2,093,056	719,540
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	719,540
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	719,540

Table 5: Attrition Table for Members with at least Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 36-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	0	155,994,546
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	147,813,557
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	0	147,813,557
5	Exclusion - Members must satisfy the age range condition within the query period	98,916,395	48,897,162
6	Exclusion - Members must have at least one exposure claim within the query period	45,460,063	3,437,099
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	3,437,099
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	3,437,099
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	3,437,099
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	1,153,462	2,283,637
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	2,283,637
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	2,283,637
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	111	2,283,526
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	2,283,526
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	1,713,974	569,552
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	569,552
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	569,552

Table 5: Attrition Table for Members with both Drug and Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 3-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	50,617,652	105,376,894
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	97,195,905
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	46,316	97,149,589
5	Exclusion - Members must satisfy the age range condition within the query period	65,111,302	32,038,287
6	Exclusion - Members must have at least one exposure claim within the query period	29,876,651	2,161,636
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	2,161,636
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	2,161,636
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	2,161,636
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	424,898	1,736,738
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	1,736,738
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	1,736,738
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	173	1,736,565
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	1,736,565
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	132,664	1,603,901
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,603,901
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,603,901

Table 5: Attrition Table for Members with both Drug and Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 183 Days of Enrollment Before Index, 18-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	50,617,652	105,376,894
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	97,195,905
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	46,316	97,149,589
5	Exclusion - Members must satisfy the age range condition within the query period	65,111,302	32,038,287
6	Exclusion - Members must have at least one exposure claim within the query period	29,876,651	2,161,636
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	2,161,636
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	2,161,636
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	2,161,636
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	780,419	1,381,217
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	1,381,217
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	1,381,217
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	83	1,381,134
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	1,381,134
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	92,116	1,289,018
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	1,289,018
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	1,289,018

Table 5: Attrition Table for Members with both Drug and Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 3-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	50,617,652	105,376,894
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	97,195,905
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	46,316	97,149,589
5	Exclusion - Members must satisfy the age range condition within the query period	65,111,302	32,038,287
6	Exclusion - Members must have at least one exposure claim within the query period	29,876,651	2,161,636
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	2,161,636
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	2,161,636
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	2,161,636
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	424,898	1,736,738
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	1,736,738
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	1,736,738
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	173	1,736,565
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	1,736,565
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	911,210	825,355
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	825,355
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	825,355

Table 5: Attrition Table for Members with both Drug and Medical Coverage

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Minimum of 365 Days of Enrollment Before Index, 18-Month Enrollment Span After Index			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		155,994,546
2	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = No and Medical Coverage = Yes during the query period	50,617,652	105,376,894
3	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No during the query period	8,180,989	97,195,905
4	Exclusion – Members must be excluded if they only have episodes with Drug Coverage = Yes and Medical Coverage = No and Drug Coverage = No and Medical Coverage = Yes during the query period	46,316	97,149,589
5	Exclusion - Members must satisfy the age range condition within the query period	65,111,302	32,038,287
6	Exclusion - Members must have at least one exposure claim within the query period	29,876,651	2,161,636
7	Exclusion - Members must have at least one exposure episode with at least minimum days supplied	0	2,161,636
8	Exclusion - Members must have at least one exposure episode with at least minimum days duration	0	2,161,636
9	Exclusion - Members must have at least one exposure episode with more than blackout days duration	0	2,161,636
10	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified	780,419	1,381,217
11	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Query Washout Period parameter	0	1,381,217
12	Exclusion - Members must have at least one exposure episode satisfying the enrollment criterion specified by the Event Washout Period parameter	0	1,381,217
13	Exclusion - Members must have at least one exposure episode that meets Query incidence criterion [no exposure claim in the prior Query Washout Period days]	83	1,381,134
14	Exclusion - Members must have at least one exposure episode that meets Event incidence criterion [no event claim in the prior Event Washout Period days]	0	1,381,134
15	Exclusion - Members must have at least one exposure episode satisfying the Exclusion enrollment requirement	705,113	676,021
16	Exclusion - Members must have at least one exposure episode satisfying the Exclusion conditions	0	676,021
17	Exclusion - Members must have at least one exposure episode satisfying the Inclusion conditions	0	676,021