



Modular Program Report

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	
<u>Request Description</u>	<p>FDA has requested execution of Modular Program #9 (MP9), version 2.0, to investigate prevalence and incidence of 17 diagnoses (see Appendix A for codes). One run of MP9 was required. The query was run against the Mini-Sentinel Distributed Database (MSDD) for the time period of January 1, 2000 - December 31, 2012. The request was distributed to 18 Data Partners on November 19, 2013.</p> <p>Results provide counts of prevalent and incident number of patients with the diagnoses of interest, new claims (for the incident cohort), total claims, eligible members, and member-years.</p>
<u>Request ID</u>	msy5_mpr11_v1, Report 1 of 1
<u>Specifications</u>	Program parameter inputs and scenarios.
<u>Glossary</u>	List of terms found in this report and their definitions.
<u>Table 1</u>	Table displaying the number of prevalent and incident patients, new claims, number of total claims, eligible members, member-years, patients per 100,000 eligible members, and patients per 100,000 member-years by diagnosis - January 1, 2000 - December 31, 2012.
<u>Table 2</u>	Table displaying the number of prevalent and incident patients, new claims, number of total claims, eligible members, member-years, patients per 100,000 eligible members, and patients per 100,000 member-years by diagnosis and age group - January 1, 2000 - December 31, 2012.
<u>Table 3</u>	Table displaying the number of prevalent and incident patients, new claims, number of total claims, eligible members, member-years, patients per 100,000 eligible members, and patients per 100,000 member-years by diagnosis and sex - January 1, 2000 - December 31, 2012.
<u>Table 4</u>	Table displaying the number of prevalent and incident patients, new claims, number of total claims, eligible members, member-years, patients per 100,000 eligible members, and patients per 100,000 member-years by diagnosis and year - January 1, 2000 - December 31, 2012.
<u>Appendix A</u>	List of diagnosis codes included in this request.
<u>Notes:</u>	Please contact the Mini-Sentinel Operations Center (MSOC_Requests@harvardpilgrim.org) for questions and to provide comments/suggestions for future enhancements to this document.

Modular Program Specifications MSY5_MPR11_v1

Modular Program #9, version 2.0, was used to investigate prevalence and incidence of 17 diagnoses (see Appendix for codes). The query period was from January 1, 2000 to December 31, 2012, and the enrollment gap was set at 45 days. Age groups were split as follows: 0-<18, 18-<45, 45-<64, 65+ years. In total, 17 different scenarios were examined in this report with differing diagnoses of interest. See below for a description of each of these scenarios.

Coverage Requirement	Drug and Medical
Query Period	January 1, 2000 - December 31, 2012
Enrollment Gap	45 days
Enrollment Days	0 - For incident results, the MP will automatically require 183 days based on the washout period.
Age Stratifications	0-<18, 18-<45, 45-<64, 65+

Drug/Exposure Criteria

Scenario	Incident exposure	Incident w/ respect to (incidence criteria):	Washout (days)	Incidence Type
1	Anthrax	Anthrax	183	SING
2	Ascariasis	Ascariasis	183	SING
3	Chagas	Chagas	183	SING
4	Hepatitis	Hepatitis	183	SING
5	Hepatitis C	Hepatitis C	183	SING
6	Hookworm	Hookworm	183	SING
7	Influenza	Influenza	183	SING
8	Leishmaniasis	Leishmaniasis	183	SING
9	Malaria	Malaria	183	SING
10	MRSA	MRSA	183	SING
11	Plague	Plague	183	SING
12	Schistosomiasis	Schistosomiasis	183	SING
13	TB Group 1*	TB Group 1*	183	SING
14	TB Group 2*	TB Group 2*	183	SING
15	TB Group 3	TB Group 3	183	SING
16	Trichuriasis	Trichuriasis	183	SING
17	Tularemia	Tularemia	183	SING

*TB Groups 1 and 2 are codes for screening tests, positive skin tests, exposure to TB, or history of TB, but not necessarily active disease.

Glossary of Terms in Modular Program 9*

Eligible Members (incidence-based cohort) - Number of members eligible for incident diagnosis (defined by the washout period) with drug and/or medical coverage during the query period.

Eligible Members (prevalence-based cohort) - Number of members with at least one day of drug and/or medical coverage during the query period.

Enrollment Gap - Number of days allowed between two consecutive enrollment periods without breaking a “continuously enrolled” sequence.

Incidence Type (incidence-based cohort) - *Minimum incidence type* will only consider the first claim in the query period as long as it is the first claim in the user's entire available history. *Multiple incidence type* will use the washout period to establish incidence and consider all qualifying incident claims.

Member-Years (incidence-based cohort) - Sum of all years of enrollment with drug and/or medical coverage in the query period preceded by a washout period.

Member-Years (prevalence-based cohort) - Sum of all years members are enrolled with drug and/or medical coverage during the query period.

New Patients - Number of members with incident claims during the query period. Member must have no evidence of claims of interest (defined by incidence criteria) in the prior washout period. A patient may only be counted once in a query period.

New Starts- Number of incident claims during the query period. Patient must have no prior claims of interest in the washout period. For a minimum incidence type, an individual may have no more than one new start. For a multiple incidence type, an individual may have more than one new start.

Query Period - Period in which the modular program looks for diagnoses of interest.

Washout Period (incidence-based cohort) - Number of days a patient is required to have no evidence of prior claim of interest and continuous drug and/or medical coverage.

*all terms may not be used in this report

Table 1. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis

Group	Prevalent						Incident							
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years	
Anthrax	6,534	8,066	109,843,173	293,011,025	5.95	2.23	5,193	5,193	6,217	92,088,591	236,061,092	5.64	2.20	
Ascariasis	3,950	5,120	109,843,173	293,011,025	3.60	1.35	3,152	3,152	4,068	92,088,629	236,063,864	3.42	1.34	
Chagas	648	1,847	109,843,173	293,011,025	0.59	0.22	475	475	1,085	92,088,676	236,071,701	0.52	0.20	
Hepatitis	763,135	5,253,909	109,843,173	293,011,025	694.75	260.45	568,926	568,926	3,562,378	92,030,932	234,434,477	618.19	242.68	
Hepatitis C	446,941	3,642,188	109,843,173	293,011,025	406.89	152.53	329,680	329,680	2,454,258	92,049,676	235,096,492	358.15	140.23	
Hookworm	3,920	4,980	109,843,173	293,011,025	3.57	1.34	3,106	3,106	3,932	92,088,629	236,066,221	3.37	1.32	
Influenza	3,003,106	3,723,748	109,843,173	293,011,025	2,733.99	1,024.91	2,292,542	2,292,542	2,830,929	92,051,706	230,823,146	2,490.49	993.20	
Leishmaniasis	5,898	8,194	109,843,173	293,011,025	5.37	2.01	3,909	3,909	5,571	92,088,597	236,063,517	4.24	1.66	
Malaria	17,878	27,785	109,843,173	293,011,025	16.28	6.10	13,992	13,992	21,577	92,088,373	236,042,312	15.19	5.93	
MRSA	55,168	108,027	109,843,173	293,011,025	50.22	18.83	46,110	46,110	89,930	92,087,675	236,006,631	50.07	19.54	
Plague	3,896	5,121	109,843,173	293,011,025	3.55	1.33	2,923	2,923	3,525	92,088,626	236,065,038	3.17	1.24	
Schistosomiasis	8,067	10,569	109,843,173	293,011,025	7.34	2.75	6,401	6,401	8,021	92,088,556	236,058,049	6.95	2.71	
TB Group 1	583,352	881,821	109,843,173	293,011,025	531.08	199.09	467,480	467,480	693,641	92,078,621	234,992,204	507.70	198.93	
TB Group 2	105,698	170,349	109,843,173	293,011,025	96.23	36.07	90,643	90,643	146,224	92,085,675	235,994,878	98.43	38.41	
TB Group 3	3,349,133	5,463,151	109,843,173	293,011,025	3,049.01	1,143.01	2,761,395	2,761,395	4,559,260	92,033,448	228,495,571	3,000.43	1,208.51	
Trichuriasis	786	986	109,843,173	293,011,025	0.72	0.27	548	548	675	92,088,686	236,071,288	0.60	0.23	
Tularemia	2,514	3,653	109,843,173	293,011,025	2.29	0.86	1,970	1,970	2,814	92,088,658	236,068,003	2.14	0.83	

*TB Groups 1 and 2 are codes for screening tests, positive skin tests, exposure to TB, or history of TB, but not necessarily active disease.

Table 2. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Age Group

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
Anthrax													
0-<18	1,390	1,599	27,866,533	69,811,032	4.99	1.99	1,112	1,112	1,287	22,722,536	55,196,626	4.89	2.01
18-<45	2,530	3,059	52,275,167	111,162,503	4.84	2.28	1,871	1,871	2,283	42,246,498	86,007,401	4.43	2.18
45-<64	1,658	2,084	30,791,394	82,367,582	5.38	2.01	1,399	1,399	1,573	26,765,241	68,900,222	5.23	2.03
65+	961	1,324	9,178,929	29,669,908	10.47	3.24	811	811	1,041	8,539,090	25,956,842	9.50	3.12
Ascariasis													
0-<18	1,836	2,236	27,866,533	69,811,032	6.59	2.63	1,489	1,489	1,807	22,722,541	55,194,007	6.55	2.70
18-<45	1,189	1,575	52,275,167	111,162,503	2.27	1.07	896	896	1,181	42,246,506	86,009,669	2.12	1.04
45-<64	682	945	30,791,394	82,367,582	2.21	0.83	571	571	784	26,765,302	68,901,906	2.13	0.83
65+	244	364	9,178,929	29,669,908	2.66	0.82	196	196	295	8,539,164	25,958,283	2.30	0.76
Chagas													
0-<18	76	164	27,866,533	69,811,032	0.27	0.11	50	50	68	22,722,556	55,198,732	0.22	0.09
18-<45	234	430	52,275,167	111,162,503	0.45	0.21	170	170	316	42,246,689	86,011,395	0.40	0.20
45-<64	259	965	30,791,394	82,367,582	0.84	0.31	186	186	429	26,765,353	68,902,950	0.69	0.27
65+	86	288	9,178,929	29,669,908	0.94	0.29	69	69	258	8,539,186	25,958,624	0.81	0.27
Hepatitis													
0-<18	29,427	62,588	27,866,533	69,811,032	105.60	42.15	21,258	21,258	42,422	22,721,535	55,148,587	93.56	38.55
18-<45	264,832	1,259,222	52,275,167	111,162,503	506.61	238.24	187,668	187,668	826,351	42,221,974	85,565,622	444.48	219.33
45-<64	424,718	3,387,437	30,791,394	82,367,582	1,379.34	515.64	301,993	301,993	2,111,359	26,692,520	67,954,550	1,131.38	444.40
65+	81,555	544,662	9,178,929	29,669,908	888.50	274.87	58,007	58,007	315,851	8,516,274	25,765,718	681.13	225.13
Hepatitis C													
0-<18	4,828	13,156	27,866,533	69,811,032	17.33	6.92	3,648	3,648	9,306	22,722,404	55,189,964	16.05	6.61
18-<45	124,757	666,239	52,275,167	111,162,503	238.65	112.23	86,827	86,827	430,622	42,235,762	85,810,816	205.58	101.18
45-<64	298,453	2,623,168	30,791,394	82,367,582	969.27	362.34	209,140	209,140	1,636,630	26,714,679	68,238,901	782.87	306.48
65+	44,434	339,625	9,178,929	29,669,908	484.09	149.76	30,065	30,065	187,425	8,525,555	25,856,811	352.65	116.27

Table 2. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Age Group

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
Hookworm													
0-<18	1,112	1,369	27,866,533	69,811,032	3.99	1.59	867	867	1,072	22,722,527	55,197,056	3.82	1.57
18-<45	1,232	1,545	52,275,167	111,162,503	2.36	1.11	949	949	1,191	42,246,569	86,009,867	2.25	1.10
45-<64	1,057	1,352	30,791,394	82,367,582	3.43	1.28	864	864	1,097	26,765,300	68,901,482	3.23	1.25
65+	521	714	9,178,929	29,669,908	5.68	1.76	426	426	571	8,539,140	25,957,816	4.99	1.64
Influenza													
0-<18	1,395,997	1,746,272	27,866,533	69,811,032	5,009.58	1999.68	1,101,439	1,101,439	1,362,887	22,705,628	52,756,855	4,850.95	2087.76
18-<45	1,001,851	1,175,648	52,275,167	111,162,503	1,916.50	901.25	714,161	714,161	839,522	42,100,339	84,397,542	1,696.33	846.19
45-<64	488,458	605,395	30,791,394	82,367,582	1,586.35	593.02	371,089	371,089	458,063	26,701,079	67,978,783	1,389.79	545.89
65+	127,903	196,433	9,178,929	29,669,908	1,393.44	431.09	105,853	105,853	159,754	8,518,182	25,689,967	1,242.67	412.04
Leishmaniasis													
0-<18	2,165	2,457	27,866,533	69,811,032	7.77	3.10	961	961	1,133	22,722,517	55,196,446	4.23	1.74
18-<45	1,873	2,914	52,275,167	111,162,503	3.58	1.68	1,396	1,396	2,093	42,246,508	86,008,562	3.30	1.62
45-<64	1,156	1,714	30,791,394	82,367,582	3.75	1.40	939	939	1,366	26,765,267	68,901,158	3.51	1.36
65+	710	1,109	9,178,929	29,669,908	7.74	2.39	613	613	970	8,539,126	25,957,351	7.18	2.36
Malaria													
0-<18	2,668	3,819	27,866,533	69,811,032	9.57	3.82	1,948	1,948	2,761	22,722,510	55,194,880	8.57	3.53
18-<45	7,946	12,357	52,275,167	111,162,503	15.20	7.15	5,937	5,937	9,122	42,246,175	86,000,225	14.05	6.90
45-<64	5,421	8,756	30,791,394	82,367,582	17.61	6.58	4,475	4,475	7,221	26,764,838	68,892,799	16.72	6.50
65+	1,906	2,853	9,178,929	29,669,908	20.76	6.42	1,632	1,632	2,392	8,538,827	25,954,409	19.11	6.29
MRSA													
0-<18	2,118	3,947	27,866,533	69,811,032	7.60	3.03	1,388	1,388	2,670	22,722,517	55,195,655	6.11	2.51
18-<45	7,145	12,728	52,275,167	111,162,503	13.67	6.43	5,571	5,571	9,698	42,246,232	86,001,011	13.19	6.48
45-<64	17,415	32,786	30,791,394	82,367,582	56.56	21.14	14,561	14,561	27,237	26,764,322	68,879,277	54.40	21.14
65+	28,676	58,566	9,178,929	29,669,908	312.41	96.65	24,590	24,590	49,886	8,537,590	25,930,688	288.02	94.83

Table 2. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Age Group

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
Plague													
0-<18	1,224	1,732	27,866,533	69,811,032	4.39	1.75	828	828	958	22,722,526	55,196,341	3.64	1.50
18-<45	681	776	52,275,167	111,162,503	1.30	0.61	506	506	570	42,246,575	86,010,428	1.20	0.59
45-<64	962	1,213	30,791,394	82,367,582	3.12	1.17	751	751	892	26,765,302	68,901,501	2.81	1.09
65+	1,032	1,400	9,178,929	29,669,908	11.24	3.48	838	838	1,102	8,539,101	25,956,767	9.81	3.23
Schistosomiasis													
0-<18	2,574	2,931	27,866,533	69,811,032	9.24	3.69	2,083	2,083	2,256	22,722,527	55,194,071	9.17	3.77
18-<45	3,195	4,008	52,275,167	111,162,503	6.11	2.87	2,422	2,422	2,942	42,246,358	86,006,824	5.73	2.82
45-<64	1,534	2,388	30,791,394	82,367,582	4.98	1.86	1,268	1,268	1,907	26,765,175	68,899,874	4.74	1.84
65+	779	1,242	9,178,929	29,669,908	8.49	2.63	628	628	893	8,539,102	25,957,280	7.35	2.42
TB Group 1													
0-<18	39,805	53,746	27,866,533	69,811,032	142.84	57.02	30,469	30,469	39,940	22,721,711	55,138,949	134.10	55.26
18-<45	214,034	309,800	52,275,167	111,162,503	409.44	192.54	162,048	162,048	228,806	42,231,539	85,643,677	383.71	189.21
45-<64	189,281	286,809	30,791,394	82,367,582	614.72	229.80	153,253	153,253	227,747	26,742,728	68,521,881	573.06	223.66
65+	143,167	231,466	9,178,929	29,669,908	1,559.74	482.53	121,710	121,710	192,832	8,524,485	25,687,696	1,427.77	473.81
TB Group 2													
0-<18	9,012	15,624	27,866,533	69,811,032	32.34	12.91	7,108	7,108	12,299	22,722,125	55,191,039	31.28	12.88
18-<45	53,576	84,241	52,275,167	111,162,503	102.49	48.20	44,344	44,344	69,753	42,243,749	85,975,707	104.97	51.58
45-<64	30,581	48,911	30,791,394	82,367,582	99.32	37.13	27,070	27,070	43,170	26,763,309	68,880,214	101.15	39.30
65+	13,106	21,573	9,178,929	29,669,908	142.78	44.17	12,121	12,121	19,988	8,538,344	25,947,917	141.96	46.71
TB Group 3													
0-<18	1,525,785	2,773,541	27,866,533	69,811,032	5,475.33	2185.59	1,274,597	1,274,597	2,345,568	22,696,092	51,497,406	5,615.93	2475.07
18-<45	1,253,289	1,731,524	52,275,167	111,162,503	2,397.48	1127.44	975,505	975,505	1,352,446	42,019,656	83,584,507	2,321.54	1167.09
45-<64	473,405	722,801	30,791,394	82,367,582	1,537.46	574.75	390,411	390,411	596,840	26,690,486	67,795,329	1,462.73	575.87
65+	142,032	235,285	9,178,929	29,669,908	1,547.37	478.71	120,882	120,882	200,595	8,510,204	25,618,330	1,420.44	471.86

Table 2. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Age Group

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
<i>Trichuriasis</i>													
0-<18	216	262	27,866,533	69,811,032	0.78	0.31	128	128	143	22,722,558	55,198,440	0.56	0.23
18-<45	191	263	52,275,167	111,162,503	0.37	0.17	121	121	180	42,246,687	86,011,446	0.29	0.14
45-<64	206	255	30,791,394	82,367,582	0.67	0.25	161	161	185	26,765,364	68,902,922	0.60	0.23
65+	173	206	9,178,929	29,669,908	1.88	0.58	138	138	167	8,539,180	25,958,481	1.62	0.53
<i>Tularemia</i>													
0-<18	714	984	27,866,533	69,811,032	2.56	1.02	510	510	694	22,722,551	55,197,565	2.24	0.92
18-<45	597	1,001	52,275,167	111,162,503	1.14	0.54	450	450	760	42,246,643	86,010,769	1.07	0.52
45-<64	665	1,004	30,791,394	82,367,582	2.16	0.81	554	554	816	26,765,329	68,902,058	2.07	0.80
65+	544	664	9,178,929	29,669,908	5.93	1.83	456	456	540	8,539,130	25,957,612	5.34	1.76

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Table 3. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Sex

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
<i>Anthrax</i>													
Female	4,033	4,800	55,641,325	151,130,427	7.25	2.67	3,154	3,154	3,694	46,884,263	122,157,880	6.73	2.58
Male	2,501	3,266	54,194,336	141,867,608	4.61	1.76	2,039	2,039	2,523	45,199,576	113,893,419	4.51	1.79
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00
<i>Ascariasis</i>													
Female	2,307	3,031	55,641,325	151,130,427	4.15	1.53	1,814	1,814	2,375	46,884,280	122,160,077	3.87	1.48
Male	1,643	2,089	54,194,336	141,867,608	3.03	1.16	1,338	1,338	1,693	45,199,597	113,893,995	2.96	1.17
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00
<i>Chagas</i>													
Female	346	1,219	55,641,325	151,130,427	0.62	0.23	251	251	641	46,884,317	122,164,554	0.54	0.21
Male	302	628	54,194,336	141,867,608	0.56	0.21	224	224	444	45,199,607	113,897,355	0.50	0.20
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00
<i>Hepatitis</i>													
Female	345,352	2,189,566	55,641,325	151,130,427	620.68	228.51	260,380	260,380	1,509,861	46,861,292	121,411,862	555.64	214.46
Male	417,753	3,064,117	54,194,336	141,867,608	770.84	294.47	308,527	308,527	2,052,322	45,164,890	113,012,874	683.11	273.00
Unknown	30	226	7,512	12,990	399.36	230.95	19	19	195	4,750	9,741	400.00	195.05
<i>Hepatitis C</i>													
Female	184,322	1,451,390	55,641,325	151,130,427	331.27	121.96	137,933	137,933	992,258	46,869,749	121,749,466	294.29	113.29
Male	262,598	2,190,611	54,194,336	141,867,608	484.55	185.10	191,735	191,735	1,461,842	45,175,177	113,337,278	424.43	169.17
Unknown	21	187	7,512	12,990	279.55	161.66	12	12	158	4,750	9,749	252.63	123.09
<i>Hookworm</i>													
Female	1,947	2,478	55,641,325	151,130,427	3.50	1.29	1,540	1,540	1,923	46,884,293	122,161,798	3.28	1.26
Male	1,973	2,502	54,194,336	141,867,608	3.64	1.39	1,566	1,566	2,009	45,199,584	113,894,629	3.46	1.37
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00
<i>Influenza</i>													
Female	1,588,789	1,972,565	55,641,325	151,130,427	2,855.41	1051.27	1,214,000	1,214,000	1,501,509	46,864,721	119,361,091	2,590.43	1017.08
Male	1,414,155	1,750,972	54,194,336	141,867,608	2,609.41	996.81	1,078,417	1,078,417	1,329,272	45,182,235	111,452,455	2,386.82	967.60
Unknown	162	211	7,512	12,990	2,156.55	1247.11	125	125	148	4,750	9,601	2,631.58	1301.95

Table 3. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Sex

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
Leishmaniasis													
Female	3,275	4,150	55,641,325	151,130,427	5.89	2.17	2,466	2,466	3,024	46,884,272	122,159,227	5.26	2.02
Male	2,623	4,044	54,194,336	141,867,608	4.84	1.85	1,443	1,443	2,547	45,199,573	113,894,496	3.19	1.27
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00
Malaria													
Female	8,615	12,766	55,641,325	151,130,427	15.48	5.70	6,763	6,763	9,963	46,884,173	122,150,564	14.42	5.54
Male	9,263	15,019	54,194,336	141,867,608	17.09	6.53	7,229	7,229	11,614	45,199,448	113,881,956	15.99	6.35
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00
MRSA													
Female	25,051	48,684	55,641,325	151,130,427	45.02	16.58	21,056	21,056	40,769	46,883,891	122,133,120	44.91	17.24
Male	30,116	59,342	54,194,336	141,867,608	55.57	21.23	25,053	25,053	49,160	45,199,032	113,863,718	55.43	22.00
Unknown	1	1	7,512	12,990	13.31	7.70	1	1	1	4,752	9,792	21.04	10.21
Plague													
Female	1,945	2,572	55,641,325	151,130,427	3.50	1.29	1,433	1,433	1,738	46,884,287	122,161,286	3.06	1.17
Male	1,951	2,549	54,194,336	141,867,608	3.60	1.38	1,490	1,490	1,787	45,199,587	113,893,960	3.30	1.31
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00
Schistosomiasis													
Female	4,716	5,981	55,641,325	151,130,427	8.48	3.12	3,735	3,735	4,590	46,884,239	122,156,549	7.97	3.06
Male	3,351	4,588	54,194,336	141,867,608	6.18	2.36	2,666	2,666	3,431	45,199,565	113,891,707	5.90	2.34
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00
TB Group 1													
Female	336,253	497,441	55,641,325	151,130,427	604.32	222.49	270,023	270,023	392,394	46,878,828	121,517,594	576.00	222.21
Male	247,074	384,352	54,194,336	141,867,608	455.90	174.16	197,435	197,435	301,222	45,195,041	113,464,885	436.85	174.01
Unknown	25	28	7,512	12,990	332.80	192.46	22	22	25	4,752	9,724	462.96	226.24
TB Group 2													
Female	65,592	105,074	55,641,325	151,130,427	117.88	43.40	56,486	56,486	90,475	46,882,487	122,116,927	120.48	46.26
Male	40,102	65,270	54,194,336	141,867,608	74.00	28.27	34,155	34,155	55,746	45,198,436	113,868,160	75.57	30.00
Unknown	4	5	7,512	12,990	53.25	30.79	2	2	3	4,752	9,791	42.09	20.43

Table 3. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Sex

Group	Prevalent						Incident							
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years	
TB Group 3														
Female	1,996,267	3,196,481	55,641,325	151,130,427	3,587.74	1320.89	1,644,143	1,644,143	2,663,920	46,850,586	117,763,140	3,509.33	1396.14	
Male	1,352,706	2,266,450	54,194,336	141,867,608	2,496.03	953.50	1,117,137	1,117,137	1,895,184	45,178,117	110,722,898	2,472.74	1008.95	
Unknown	160	220	7,512	12,990	2,129.93	1231.72	115	115	156	4,745	9,534	2,423.60	1206.21	
Trichuriasis														
Female	453	576	55,641,325	151,130,427	0.81	0.30	321	321	402	46,884,317	122,164,260	0.68	0.26	
Male	333	410	54,194,336	141,867,608	0.61	0.23	227	227	273	45,199,617	113,897,236	0.50	0.20	
Unknown	0	0	7,512	12,990	0.00	0.00	0	0	0	4,752	9,793	0.00	0.00	
Tularemia														
Female	1,317	1,749	55,641,325	151,130,427	2.37	0.87	1,033	1,033	1,391	46,884,304	122,162,564	2.20	0.85	
Male	1,196	1,903	54,194,336	141,867,608	2.21	0.84	936	936	1,422	45,199,602	113,895,647	2.07	0.82	
Unknown	1	1	7,512	12,990	13.31	7.70	1	1	1	4,752	9,792	21.04	10.21	

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Table 4. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Year

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
Anthrax													
2000	80	161	8,716,735	7,435,266	0.92	1.08	44	44	53	7,278,072	3,374,445	0.60	1.30
2001	120	227	8,584,020	7,427,852	1.40	1.62	94	94	138	7,850,718	6,677,605	1.20	1.41
2002	103	212	8,674,111	7,523,481	1.19	1.37	82	82	127	7,996,944	6,773,100	1.03	1.21
2003	151	268	8,566,892	7,418,456	1.76	2.04	129	129	185	7,941,669	6,722,830	1.62	1.92
2004	190	310	9,292,600	7,970,056	2.04	2.38	149	149	187	8,502,716	6,933,489	1.75	2.15
2005	112	140	9,614,104	8,207,445	1.16	1.36	89	89	93	8,765,851	7,314,457	1.02	1.22
2006	389	485	23,539,699	19,335,349	1.65	2.01	233	233	263	19,699,449	12,108,021	1.18	1.92
2007	455	507	26,925,012	21,175,119	1.69	2.15	336	336	357	23,534,651	17,252,616	1.43	1.95
2008	1,168	1,256	54,052,859	43,349,806	2.16	2.69	756	756	796	44,830,887	28,488,687	1.69	2.65
2009	1,290	1,484	52,339,082	42,658,181	2.46	3.02	1,078	1,078	1,236	46,711,661	36,596,687	2.31	2.95
2010	927	1,125	50,476,473	41,200,035	1.84	2.25	803	803	890	44,943,144	35,370,191	1.79	2.27
2011	863	973	49,157,094	40,406,970	1.76	2.14	724	724	787	43,784,275	34,818,148	1.65	2.08
2012	812	918	47,912,061	38,903,008	1.69	2.09	676	676	755	42,684,071	33,630,816	1.58	2.01
Ascariasis													
2000	111	129	8,716,735	7,435,266	1.27	1.49	50	50	59	7,278,074	3,374,436	0.69	1.48
2001	117	131	8,584,020	7,427,852	1.36	1.58	103	103	114	7,850,718	6,677,587	1.31	1.54
2002	118	125	8,674,111	7,523,481	1.36	1.57	103	103	109	7,996,931	6,773,070	1.29	1.52
2003	141	158	8,566,892	7,418,456	1.65	1.90	111	111	125	7,941,626	6,722,791	1.40	1.65
2004	116	140	9,292,600	7,970,056	1.25	1.46	98	98	120	8,502,677	6,933,460	1.15	1.41
2005	99	110	9,614,104	8,207,445	1.03	1.21	77	77	82	8,765,844	7,314,452	0.88	1.05
2006	252	315	23,539,699	19,335,349	1.07	1.30	164	164	196	19,699,467	12,108,040	0.83	1.35
2007	309	401	26,925,012	21,175,119	1.15	1.46	238	238	307	23,534,724	17,252,654	1.01	1.38
2008	577	703	54,052,859	43,349,806	1.07	1.33	360	360	433	44,831,001	28,488,916	0.80	1.26
2009	553	747	52,339,082	42,658,181	1.06	1.30	460	460	604	46,712,066	36,597,240	0.98	1.26
2010	566	722	50,476,473	41,200,035	1.12	1.37	484	484	608	44,943,919	35,370,960	1.08	1.37
2011	582	763	49,157,094	40,406,970	1.18	1.44	486	486	640	43,784,965	34,818,785	1.11	1.40
2012	499	676	47,912,061	38,903,008	1.04	1.28	418	418	565	42,684,760	33,631,473	0.98	1.24

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Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
Chagas													
2000	23	27	8,716,735	7,435,266	0.26	0.31	5	5	5	7,278,079	3,374,457	0.07	0.15
2001	10	10	8,584,020	7,427,852	0.12	0.13	9	9	9	7,850,764	6,677,678	0.11	0.13
2002	7	9	8,674,111	7,523,481	0.08	0.09	4	4	5	7,997,060	6,773,242	0.05	0.06
2003	13	30	8,566,892	7,418,456	0.15	0.18	10	10	10	7,941,838	6,723,035	0.13	0.15
2004	14	36	9,292,600	7,970,056	0.15	0.18	8	8	8	8,502,974	6,933,786	0.09	0.12
2005	5	7	9,614,104	8,207,445	0.05	0.06	2	2	3	8,766,205	7,314,822	0.02	0.03
2006	18	24	23,539,699	19,335,349	0.08	0.09	10	10	14	19,699,851	12,108,463	0.05	0.08
2007	45	86	26,925,012	21,175,119	0.17	0.21	32	32	47	23,535,233	17,253,205	0.14	0.19
2008	131	228	54,052,859	43,349,806	0.24	0.30	62	62	84	44,831,664	28,489,629	0.14	0.22
2009	118	202	52,339,082	42,658,181	0.23	0.28	93	93	146	46,712,908	36,598,172	0.20	0.25
2010	110	303	50,476,473	41,200,035	0.22	0.27	75	75	125	44,944,967	35,372,118	0.17	0.21
2011	122	431	49,157,094	40,406,970	0.25	0.30	83	83	152	43,786,275	34,820,166	0.19	0.24
2012	122	454	47,912,061	38,903,008	0.25	0.31	82	82	149	42,686,201	33,632,928	0.19	0.24
Hepatitis													
2000	31,331	86,060	8,716,735	7,435,266	359.44	421.38	12,428	12,428	21,149	7,270,818	3,365,940	170.93	369.23
2001	37,818	104,073	8,584,020	7,427,852	440.56	509.14	24,137	24,137	53,221	7,834,940	6,650,542	308.07	362.93
2002	42,945	129,792	8,674,111	7,523,481	495.09	570.81	20,806	20,806	46,624	7,961,134	6,730,113	261.34	309.15
2003	46,373	146,871	8,566,892	7,418,456	541.30	625.10	18,233	18,233	41,996	7,891,284	6,668,214	231.05	273.43
2004	52,819	161,660	9,292,600	7,970,056	568.40	662.72	17,930	17,930	40,093	8,439,888	6,867,998	212.44	261.07
2005	56,012	164,893	9,614,104	8,207,445	582.60	682.45	18,069	18,069	40,833	8,693,015	7,240,345	207.86	249.56
2006	100,149	322,053	23,539,699	19,335,349	425.45	517.96	31,783	31,783	67,646	19,613,984	12,022,417	162.04	264.36
2007	115,759	375,316	26,925,012	21,175,119	429.93	546.67	44,347	44,347	108,161	23,424,964	17,138,572	189.32	258.76
2008	219,310	757,627	54,052,859	43,349,806	405.73	505.91	79,540	79,540	183,419	44,671,379	28,320,506	178.06	280.86
2009	215,308	766,848	52,339,082	42,658,181	411.37	504.73	94,695	94,695	236,608	46,513,365	36,375,907	203.59	260.32
2010	203,068	728,050	50,476,473	41,200,035	402.30	492.88	75,571	75,571	187,571	44,706,535	35,126,616	169.04	215.14
2011	197,840	738,540	49,157,094	40,406,970	402.46	489.62	68,241	68,241	178,690	43,529,790	34,560,467	156.77	197.45
2012	193,819	772,126	47,912,061	38,903,008	404.53	498.21	63,146	63,146	162,404	42,417,512	33,366,840	148.87	189.25

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Hepatitis C													
2000	22,205	63,581	8,716,735	7,435,266	254.74	298.64	8,682	8,682	15,028	7,272,389	3,368,261	119.38	257.76
2001	27,421	79,274	8,584,020	7,427,852	319.44	369.16	16,844	16,844	39,292	7,839,314	6,658,171	214.87	252.98
2002	31,360	101,373	8,674,111	7,523,481	361.54	416.83	13,917	13,917	33,810	7,971,538	6,743,043	174.58	206.39
2003	33,804	116,084	8,566,892	7,418,456	394.59	455.67	11,821	11,821	30,541	7,906,763	6,685,504	149.50	176.82
2004	38,275	126,370	9,292,600	7,970,056	411.89	480.24	11,436	11,436	28,447	8,459,843	6,889,464	135.18	165.99
2005	39,700	125,126	9,614,104	8,207,445	412.93	483.71	11,437	11,437	28,469	8,717,216	7,265,562	131.20	157.41
2006	63,780	223,655	23,539,699	19,335,349	270.95	329.86	18,191	18,191	42,419	19,644,619	12,054,547	92.60	150.91
2007	74,245	260,702	26,925,012	21,175,119	275.75	350.62	25,161	25,161	67,232	23,465,987	17,183,344	107.22	146.43
2008	135,123	511,491	54,052,859	43,349,806	249.98	311.70	45,243	45,243	112,571	44,733,434	28,388,354	101.14	159.37
2009	133,671	520,312	52,339,082	42,658,181	255.39	313.35	53,304	53,304	147,222	46,594,145	36,468,548	114.40	146.16
2010	125,476	488,902	50,476,473	41,200,035	248.58	304.55	41,371	41,371	114,047	44,807,194	35,232,412	92.33	117.42
2011	122,598	495,102	49,157,094	40,406,970	249.40	303.41	37,457	37,457	105,820	43,640,617	34,674,727	85.83	108.02
2012	120,797	530,216	47,912,061	38,903,008	252.12	310.51	34,816	34,816	96,832	42,535,186	33,484,554	81.85	103.98
Hookworm													
2000	70	80	8,716,735	7,435,266	0.80	0.94	21	21	30	7,278,077	3,374,444	0.29	0.62
2001	39	45	8,584,020	7,427,852	0.45	0.53	32	32	38	7,850,747	6,677,652	0.41	0.48
2002	35	41	8,674,111	7,523,481	0.40	0.47	31	31	37	7,997,024	6,773,197	0.39	0.46
2003	38	45	8,566,892	7,418,456	0.44	0.51	33	33	39	7,941,785	6,722,968	0.42	0.49
2004	45	58	9,292,600	7,970,056	0.48	0.56	39	39	50	8,502,904	6,933,708	0.46	0.56
2005	33	49	9,614,104	8,207,445	0.34	0.40	31	31	46	8,766,113	7,314,733	0.35	0.42
2006	175	200	23,539,699	19,335,349	0.74	0.91	116	116	135	19,699,745	12,108,323	0.59	0.96
2007	246	325	26,925,012	21,175,119	0.91	1.16	145	145	183	23,534,989	17,252,969	0.62	0.84
2008	697	849	54,052,859	43,349,806	1.29	1.61	462	462	556	44,831,364	28,489,203	1.03	1.62
2009	696	846	52,339,082	42,658,181	1.33	1.63	584	584	712	46,712,312	36,597,444	1.25	1.60
2010	720	915	50,476,473	41,200,035	1.43	1.75	600	600	753	44,944,057	35,371,080	1.33	1.70
2011	633	779	49,157,094	40,406,970	1.29	1.57	522	522	639	43,785,096	34,818,910	1.19	1.50
2012	585	748	47,912,061	38,903,008	1.22	1.50	490	490	601	42,684,892	33,631,589	1.15	1.46

Table 4. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Year

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
<i>Influenza</i>													
2000	41,707	47,289	8,716,735	7,435,266	478.47	560.93	8,003	8,003	8,882	7,277,090	3,370,424	109.98	237.45
2001	36,881	41,223	8,584,020	7,427,852	429.65	496.52	32,341	32,341	35,610	7,842,718	6,646,763	412.37	486.57
2002	37,714	42,346	8,674,111	7,523,481	434.79	501.28	31,884	31,884	35,255	7,960,949	6,717,986	400.51	474.61
2003	81,237	92,689	8,566,892	7,418,456	948.27	1095.07	68,505	68,505	77,252	7,881,209	6,648,876	869.22	1030.32
2004	20,909	24,294	9,292,600	7,970,056	225.01	262.34	14,940	14,940	16,872	8,383,744	6,815,520	178.20	219.21
2005	52,510	59,038	9,614,104	8,207,445	546.18	639.78	42,651	42,651	47,559	8,647,066	7,176,737	493.24	594.30
2006	121,191	139,257	23,539,699	19,335,349	514.84	626.78	48,414	48,414	53,843	19,564,538	11,957,125	247.46	404.90
2007	123,274	141,747	26,925,012	21,175,119	457.84	582.16	97,207	97,207	109,302	23,369,037	17,037,199	415.96	570.56
2008	567,540	644,880	54,052,859	43,349,806	1,049.97	1309.21	233,728	233,728	264,512	44,589,859	28,084,370	524.17	832.24
2009	1,120,955	1,310,372	52,339,082	42,658,181	2,141.72	2627.76	943,521	943,521	1,095,271	46,274,975	35,900,407	2,038.94	2628.16
2010	202,891	239,211	50,476,473	41,200,035	401.95	492.45	151,626	151,626	174,377	43,808,147	34,273,691	346.11	442.40
2011	428,477	496,557	49,157,094	40,406,970	871.65	1060.40	321,064	321,064	367,768	42,748,447	33,643,269	751.05	954.32
2012	382,344	444,845	47,912,061	38,903,008	798.01	982.81	298,658	298,658	344,157	41,579,857	32,550,780	718.28	917.51
<i>Leishmaniasis</i>													
2000	137	169	8,716,735	7,435,266	1.57	1.84	45	45	54	7,278,071	3,374,434	0.62	1.33
2001	116	147	8,584,020	7,427,852	1.35	1.56	88	88	118	7,850,719	6,677,606	1.12	1.32
2002	117	122	8,674,111	7,523,481	1.35	1.56	85	85	87	7,996,960	6,773,110	1.06	1.25
2003	118	136	8,566,892	7,418,456	1.38	1.59	74	74	89	7,941,685	6,722,868	0.93	1.10
2004	182	245	9,292,600	7,970,056	1.96	2.28	109	109	142	8,502,749	6,933,569	1.28	1.57
2005	113	121	9,614,104	8,207,445	1.18	1.38	72	72	79	8,765,943	7,314,544	0.82	0.98
2006	337	512	23,539,699	19,335,349	1.43	1.74	162	162	209	19,699,551	12,108,137	0.82	1.34
2007	498	632	26,925,012	21,175,119	1.85	2.35	319	319	389	23,534,804	17,252,714	1.36	1.85
2008	1,175	1,379	54,052,859	43,349,806	2.17	2.71	638	638	722	44,831,012	28,488,779	1.42	2.24
2009	872	1,148	52,339,082	42,658,181	1.67	2.04	587	587	813	46,711,879	36,597,050	1.26	1.60
2010	946	1,228	50,476,473	41,200,035	1.87	2.30	672	672	866	44,943,749	35,370,742	1.50	1.90
2011	780	1,097	49,157,094	40,406,970	1.59	1.93	573	573	784	43,784,826	34,818,641	1.31	1.65
2012	662	1,258	47,912,061	38,903,008	1.38	1.70	485	485	704	42,684,624	33,631,323	1.14	1.44

Table 4. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Year

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
Malaria													
2000	238	344	8,716,735	7,435,266	2.73	3.20	100	100	128	7,278,063	3,374,408	1.37	2.96
2001	266	352	8,584,020	7,427,852	3.10	3.58	212	212	279	7,850,652	6,677,490	2.70	3.17
2002	218	299	8,674,111	7,523,481	2.51	2.90	183	183	257	7,996,802	6,772,924	2.29	2.70
2003	251	372	8,566,892	7,418,456	2.93	3.38	204	204	288	7,941,454	6,722,591	2.57	3.03
2004	331	463	9,292,600	7,970,056	3.56	4.15	245	245	331	8,502,460	6,933,204	2.88	3.53
2005	375	526	9,614,104	8,207,445	3.90	4.57	277	277	391	8,765,526	7,314,083	3.16	3.79
2006	1,127	1,587	23,539,699	19,335,349	4.79	5.83	661	661	914	19,698,988	12,107,444	3.36	5.46
2007	1,286	1,759	26,925,012	21,175,119	4.78	6.07	963	963	1,301	23,533,875	17,251,607	4.09	5.58
2008	3,115	4,456	54,052,859	43,349,806	5.76	7.19	1,845	1,845	2,520	44,829,620	28,487,006	4.12	6.48
2009	2,947	4,386	52,339,082	42,658,181	5.63	6.91	2,380	2,380	3,586	46,709,655	36,594,168	5.10	6.50
2010	2,978	4,544	50,476,473	41,200,035	5.90	7.23	2,360	2,360	3,537	44,940,400	35,366,999	5.25	6.67
2011	2,981	4,640	49,157,094	40,406,970	6.06	7.38	2,351	2,351	3,605	43,780,649	34,814,071	5.37	6.75
2012	2,812	4,057	47,912,061	38,903,008	5.87	7.23	2,211	2,211	3,065	42,679,778	33,626,318	5.18	6.58
MRSA													
2000	1,858	2,305	8,716,735	7,435,266	21.32	24.99	733	733	855	7,277,951	3,374,203	10.07	21.72
2001	1,907	2,470	8,584,020	7,427,852	22.22	25.67	1,659	1,659	2,120	7,850,247	6,676,749	21.13	24.85
2002	2,258	2,936	8,674,111	7,523,481	26.03	30.01	1,900	1,900	2,426	7,995,749	6,771,591	23.76	28.06
2003	2,441	3,269	8,566,892	7,418,456	28.49	32.90	2,040	2,040	2,604	7,939,876	6,720,788	25.69	30.35
2004	2,513	3,195	9,292,600	7,970,056	27.04	31.53	2,049	2,049	2,511	8,500,310	6,930,886	24.11	29.56
2005	2,751	3,565	9,614,104	8,207,445	28.61	33.52	2,263	2,263	2,900	8,763,013	7,311,275	25.82	30.95
2006	3,442	4,704	23,539,699	19,335,349	14.62	17.80	2,151	2,151	2,815	19,697,246	12,105,574	10.92	17.77
2007	4,258	6,893	26,925,012	21,175,119	15.81	20.11	3,209	3,209	4,519	23,531,684	17,249,325	13.64	18.60
2008	8,026	14,775	54,052,859	43,349,806	14.85	18.51	5,831	5,831	10,099	44,826,827	28,483,076	13.01	20.47
2009	7,486	15,449	52,339,082	42,658,181	14.30	17.55	6,221	6,221	12,554	46,705,487	36,589,951	13.32	17.00
2010	7,088	14,873	50,476,473	41,200,035	14.04	17.20	5,766	5,766	11,646	44,936,262	35,362,672	12.83	16.31
2011	7,561	16,917	49,157,094	40,406,970	15.38	18.71	6,172	6,172	13,364	43,776,348	34,809,377	14.10	17.73
2012	7,536	16,676	47,912,061	38,903,008	15.73	19.37	6,116	6,116	12,953	42,675,065	33,621,165	14.33	18.19

Table 4. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Year

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
Plague													
2000	118	128	8,716,735	7,435,266	1.35	1.59	51	51	53	7,278,075	3,374,438	0.70	1.51
2001	183	188	8,584,020	7,427,852	2.13	2.46	163	163	166	7,850,718	6,677,563	2.08	2.44
2002	118	129	8,674,111	7,523,481	1.36	1.57	96	96	107	7,996,891	6,773,038	1.20	1.42
2003	93	118	8,566,892	7,418,456	1.09	1.25	80	80	89	7,941,605	6,722,778	1.01	1.19
2004	76	86	9,292,600	7,970,056	0.82	0.95	58	58	68	8,502,702	6,933,518	0.68	0.84
2005	74	81	9,614,104	8,207,445	0.77	0.90	54	54	60	8,765,918	7,314,534	0.62	0.74
2006	250	316	23,539,699	19,335,349	1.06	1.29	128	128	167	19,699,556	12,108,138	0.65	1.06
2007	303	349	26,925,012	21,175,119	1.13	1.43	210	210	245	23,534,861	17,252,803	0.89	1.22
2008	727	919	54,052,859	43,349,806	1.34	1.68	427	427	491	44,831,159	28,489,037	0.95	1.50
2009	770	1,032	52,339,082	42,658,181	1.47	1.81	557	557	621	46,712,147	36,597,298	1.19	1.52
2010	625	845	50,476,473	41,200,035	1.24	1.52	456	456	534	44,943,968	35,371,016	1.01	1.29
2011	394	465	49,157,094	40,406,970	0.80	0.98	312	312	345	43,785,172	34,819,041	0.71	0.90
2012	391	465	47,912,061	38,903,008	0.82	1.01	331	331	379	42,685,140	33,631,837	0.78	0.98
Schistosomiasis													
2000	161	172	8,716,735	7,435,266	1.85	2.17	79	79	79	7,278,066	3,374,424	1.09	2.34
2001	254	299	8,584,020	7,427,852	2.96	3.42	223	223	260	7,850,688	6,677,512	2.84	3.34
2002	154	170	8,674,111	7,523,481	1.78	2.05	132	132	141	7,996,823	6,772,967	1.65	1.95
2003	173	221	8,566,892	7,418,456	2.02	2.33	147	147	192	7,941,511	6,722,678	1.85	2.19
2004	201	230	9,292,600	7,970,056	2.16	2.52	156	156	168	8,502,559	6,933,332	1.83	2.25
2005	202	237	9,614,104	8,207,445	2.10	2.46	162	162	182	8,765,708	7,314,306	1.85	2.21
2006	466	634	23,539,699	19,335,349	1.98	2.41	285	285	365	19,699,301	12,107,850	1.45	2.35
2007	591	739	26,925,012	21,175,119	2.19	2.79	429	429	514	23,534,469	17,252,367	1.82	2.49
2008	1,284	1,751	54,052,859	43,349,806	2.38	2.96	840	840	981	44,830,651	28,488,383	1.87	2.95
2009	1,319	1,748	52,339,082	42,658,181	2.52	3.09	1,069	1,069	1,289	46,711,333	36,596,342	2.29	2.92
2010	1,227	1,523	50,476,473	41,200,035	2.43	2.98	1,007	1,007	1,218	44,942,902	35,369,837	2.24	2.85
2011	1,156	1,443	49,157,094	40,406,970	2.35	2.86	946	946	1,147	43,783,892	34,817,643	2.16	2.72
2012	1,128	1,402	47,912,061	38,903,008	2.35	2.90	926	926	1,105	42,683,567	33,630,410	2.17	2.75

Table 4. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Year

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
TB Group 1													
2000	15,068	20,882	8,716,735	7,435,266	172.86	202.66	6,437	6,437	8,040	7,277,145	3,371,238	88.46	190.94
2001	15,244	20,532	8,584,020	7,427,852	177.59	205.23	13,298	13,298	16,608	7,844,458	6,665,453	169.52	199.51
2002	15,908	20,795	8,674,111	7,523,481	183.40	211.44	13,328	13,328	16,595	7,979,528	6,750,913	167.03	197.43
2003	16,688	22,256	8,566,892	7,418,456	194.80	224.95	13,616	13,616	17,274	7,914,854	6,692,157	172.03	203.46
2004	16,742	21,841	9,292,600	7,970,056	180.16	210.06	12,930	12,930	15,890	8,466,561	6,894,415	152.72	187.54
2005	16,035	20,982	9,614,104	8,207,445	166.79	195.37	12,779	12,779	15,869	8,722,364	7,269,334	146.51	175.79
2006	39,403	52,102	23,539,699	19,335,349	167.39	203.79	21,469	21,469	26,648	19,657,593	12,062,124	109.21	177.99
2007	46,953	63,566	26,925,012	21,175,119	174.38	221.74	34,031	34,031	43,217	23,476,732	17,188,213	144.96	197.99
2008	96,663	134,134	54,052,859	43,349,806	178.83	222.98	60,065	60,065	78,594	44,749,938	28,390,686	134.22	211.57
2009	95,877	135,336	52,339,082	42,658,181	183.18	224.76	77,304	77,304	104,068	46,594,739	36,458,739	165.91	212.03
2010	87,344	125,759	50,476,473	41,200,035	173.04	212.00	68,707	68,707	93,388	44,788,374	35,201,743	153.40	195.18
2011	88,626	126,363	49,157,094	40,406,970	180.29	219.33	69,358	69,358	93,444	43,603,822	34,624,825	159.06	200.31
2012	82,630	117,273	47,912,061	38,903,008	172.46	212.40	64,158	64,158	86,909	42,481,077	33,422,365	151.03	191.96
TB Group 2													
2000	36	36	8,716,735	7,435,266	0.41	0.48	1	1	1	7,278,080	3,374,461	0.01	0.03
2001	2	2	8,584,020	7,427,852	0.02	0.03	2	2	2	7,850,768	6,677,686	0.03	0.03
2002	2	2	8,674,111	7,523,481	0.02	0.03	2	2	2	7,997,068	6,773,250	0.03	0.03
2003	8	8	8,566,892	7,418,456	0.09	0.11	5	5	5	7,941,849	6,723,042	0.06	0.07
2004	443	513	9,292,600	7,970,056	4.77	5.56	391	391	451	8,502,963	6,933,690	4.60	5.64
2005	967	1,253	9,614,104	8,207,445	10.06	11.78	774	774	982	8,765,793	7,314,089	8.83	10.58
2006	1,383	1,763	23,539,699	19,335,349	5.88	7.15	1,048	1,048	1,289	19,698,756	12,106,962	5.32	8.66
2007	1,660	2,193	26,925,012	21,175,119	6.17	7.84	1,168	1,168	1,549	23,533,279	17,250,886	4.96	6.77
2008	1,703	2,296	54,052,859	43,349,806	3.15	3.93	1,098	1,098	1,468	44,828,844	28,486,523	2.45	3.85
2009	1,802	2,997	52,339,082	42,658,181	3.44	4.22	1,077	1,077	1,798	46,709,307	36,594,388	2.31	2.94
2010	1,988	3,144	50,476,473	41,200,035	3.94	4.83	1,208	1,208	1,907	44,940,692	35,367,604	2.69	3.42
2011	22,990	31,203	49,157,094	40,406,970	46.77	56.90	19,345	19,345	26,071	43,780,461	34,812,488	44.19	55.57
2012	81,088	124,939	47,912,061	38,903,008	169.24	208.44	64,524	64,524	95,869	42,660,503	33,579,809	151.25	192.15

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Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
<i>TB Group 3</i>													
2000	52,385	57,074	8,716,735	7,435,266	600.97	704.55	23,659	23,659	25,237	7,274,998	3,361,427	325.21	703.84
2001	83,264	88,934	8,584,020	7,427,852	969.99	1120.97	70,101	70,101	74,486	7,825,491	6,624,109	895.80	1058.27
2002	99,504	107,106	8,674,111	7,523,481	1,147.14	1322.58	76,545	76,545	81,555	7,909,205	6,657,356	967.80	1149.78
2003	119,431	129,268	8,566,892	7,418,456	1,394.10	1609.92	84,961	84,961	91,228	7,790,982	6,544,110	1,090.50	1298.28
2004	140,322	155,122	9,292,600	7,970,056	1,510.04	1760.61	85,891	85,891	92,725	8,285,910	6,691,964	1,036.59	1283.49
2005	130,183	148,251	9,614,104	8,207,445	1,354.08	1586.16	72,548	72,548	81,101	8,486,355	7,021,760	854.88	1033.19
2006	256,672	302,368	23,539,699	19,335,349	1,090.38	1327.48	134,801	134,801	158,617	19,376,205	11,754,282	695.70	1146.82
2007	386,283	485,489	26,925,012	21,175,119	1,434.66	1824.23	266,824	266,824	338,569	23,105,088	16,746,060	1,154.83	1593.35
2008	648,028	793,835	54,052,859	43,349,806	1,198.88	1494.88	367,788	367,788	452,219	44,187,366	27,736,416	832.34	1326.01
2009	653,642	770,348	52,339,082	42,658,181	1,248.86	1532.28	417,243	417,243	496,221	45,821,100	35,593,837	910.59	1172.23
2010	656,431	775,106	50,476,473	41,200,035	1,300.47	1593.28	385,443	385,443	460,354	43,817,048	34,175,418	879.66	1127.84
2011	682,127	805,383	49,157,094	40,406,970	1,387.65	1688.14	380,188	380,188	456,319	42,476,709	33,454,814	895.05	1136.42
2012	709,028	844,867	47,912,061	38,903,008	1,479.85	1822.55	395,403	395,403	477,489	41,223,783	32,134,016	959.16	1230.48
<i>Trichuriasis</i>													
2000	29	35	8,716,735	7,435,266	0.33	0.39	5	5	9	7,278,077	3,374,459	0.07	0.15
2001	20	28	8,584,020	7,427,852	0.23	0.27	10	10	11	7,850,763	6,677,677	0.13	0.15
2002	19	19	8,674,111	7,523,481	0.22	0.25	15	15	15	7,997,055	6,773,233	0.19	0.22
2003	36	48	8,566,892	7,418,456	0.42	0.49	19	19	24	7,941,827	6,723,018	0.24	0.28
2004	20	20	9,292,600	7,970,056	0.22	0.25	16	16	16	8,502,950	6,933,758	0.19	0.23
2005	25	25	9,614,104	8,207,445	0.26	0.30	15	15	15	8,766,178	7,314,798	0.17	0.21
2006	57	66	23,539,699	19,335,349	0.24	0.29	34	34	41	19,699,823	12,108,426	0.17	0.28
2007	58	69	26,925,012	21,175,119	0.22	0.27	32	32	37	23,535,184	17,253,164	0.14	0.19
2008	144	178	54,052,859	43,349,806	0.27	0.33	87	87	99	44,831,635	28,489,584	0.19	0.31
2009	115	136	52,339,082	42,658,181	0.22	0.27	92	92	98	46,712,854	36,598,133	0.20	0.25
2010	106	124	50,476,473	41,200,035	0.21	0.26	92	92	104	44,944,937	35,372,077	0.20	0.26
2011	99	123	49,157,094	40,406,970	0.20	0.25	73	73	87	43,786,205	34,820,094	0.17	0.21
2012	72	115	47,912,061	38,903,008	0.15	0.19	58	58	99	42,686,144	33,632,868	0.14	0.17

Table 4. Summary of Selected Diagnoses* in the MSDD between January 1, 2000 and December 31, 2012, by Diagnosis and Year

Group	Prevalent						Incident						
	Patients	Number of Claims	Eligible Members	Member-Years	Patients per 100K Eligible Members	Patients per 100K Member-Years	New Patients	New Claims	Number of Total Claims	Eligible Members	Member-Years	New Patients per 100K Eligible Members	New Patients per 100K Member-Years
<i>Tularemia</i>													
2000	40	137	8,716,735	7,435,266	0.46	0.54	15	15	73	7,278,077	3,374,453	0.21	0.44
2001	60	150	8,584,020	7,427,852	0.70	0.81	55	55	115	7,850,755	6,677,643	0.70	0.82
2002	30	32	8,674,111	7,523,481	0.35	0.40	25	25	27	7,997,005	6,773,182	0.31	0.37
2003	42	55	8,566,892	7,418,456	0.49	0.57	33	33	43	7,941,774	6,722,963	0.42	0.49
2004	33	68	9,292,600	7,970,056	0.36	0.41	22	22	56	8,502,898	6,933,711	0.26	0.32
2005	38	49	9,614,104	8,207,445	0.40	0.46	34	34	45	8,766,129	7,314,741	0.39	0.46
2006	150	226	23,539,699	19,335,349	0.64	0.78	72	72	116	19,699,759	12,108,352	0.37	0.59
2007	230	323	26,925,012	21,175,119	0.85	1.09	178	178	237	23,535,089	17,253,005	0.76	1.03
2008	479	597	54,052,859	43,349,806	0.89	1.10	296	296	343	44,831,405	28,489,294	0.66	1.04
2009	515	627	52,339,082	42,658,181	0.98	1.21	436	436	496	46,712,472	36,597,615	0.93	1.19
2010	371	566	50,476,473	41,200,035	0.73	0.90	306	306	429	44,944,326	35,371,429	0.68	0.87
2011	314	460	49,157,094	40,406,970	0.64	0.78	271	271	415	43,785,600	34,819,442	0.62	0.78
2012	262	363	47,912,061	38,903,008	0.55	0.67	227	227	313	42,685,465	33,632,174	0.53	0.67

*TB Groups 1 and 2 are codes for screening tests, positive skin tests, exposure to TB, or history of TB, but not necessarily active disease.

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Hookworm	126.1
	126.9
Anthrax	022.0
	022.1
	022.2
	022.3
	022.8
	022.9
	484.5
	795.31
	V01.81
	V71.82
Ascariasis	127.0
Chagas	086.0
	086.1
	086.2
Hepatitis C	070.41
	070.44
	070.51
	070.54
	070.7
	070.70
	070.71
	V02.62
Influenza	038.41
	041.5
	482.2
	487.0
	487.1
	487.8
	488.0
	488.01
	488.02
	488.09
	488.1
	488.11
	488.12
	488.19
	488.8
	488.81
	488.82
488.89	

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code	
Leishmaniasis	085.0	
	085.1	
	085.2	
	085.3	
	085.4	
	085.5	
	085.9	
	V05.2	
	V75.2	
Malaria	084.0	
	084.1	
	084.2	
	084.3	
	084.4	
	084.5	
	084.6	
	084.7	
	084.9	
	647.4	
	647.40	
	647.41	
	647.42	
	647.43	
	647.44	
	V12.03	
	V75.1	
Plague	020.0	
	020.1	
	020.2	
	020.3	
	020.4	
	020.5	
	020.8	
	020.9	
	978.3	
	E948.3	
	V03.3	
	MSRA	482.41
		482.42

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Schistosomiasis	120.0
	120.1
	120.2
	120.3
	120.8
	120.9
	V75.5
Trichuriasis	127.3
Tularemia	021.0
	021.1
	021.2
	021.3
	021.8
	021.9
	V03.4
Hepatitis	070.0
	070.1
	070.2
	070.20
	070.21
	070.22
	070.23
	070.3
	070.30
	070.31
	070.32
	070.33
	070.4
	070.41
	070.42
	070.43
	070.44
	070.49
	070.5
	070.51
	070.52
	070.53
	070.54
	070.59
	070.6
	070.7
	070.70
070.71	
070.9	

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Hepatitis (Continued)	571.40
	571.41
	571.49
	573.1
	573.2
	V02.6
	V02.60
	V02.61
	V02.62
	V02.69
Tb Group 1	010.05
	010.06
	010.1
	010.10
	010.11
	010.12
	010.13
	010.14
	010.15
	010.16
	010.8
	010.80
	010.81
	010.82
	010.83
	010.84
	010.85
	010.86
	010.95
	010.96
	011.0
	011.00
	011.01
	011.02
	011.03
	011.04
	011.05
	011.06
011.1	
011.10	
011.11	
011.12	
011.13	
011.14	

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	011.15
	011.16
	011.2
	011.20
	011.21
	011.22
	011.23
	011.24
	011.25
	011.26
	011.3
	011.30
	011.31
	011.32
	011.33
	011.34
	011.35
	011.36
	011.45
	011.46
	011.55
	011.56
	011.65
	011.66
	011.75
	011.76
	011.8
	011.80
	011.81
	011.82
	011.83
	011.84
	011.85
	011.86
	011.9
	011.90
	011.91
	011.92
	011.93
	011.94
	011.95
011.96	
012.05	
012.06	

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	012.1
	012.10
	012.11
	012.12
	012.13
	012.14
	012.15
	012.16
	012.2
	012.20
	012.21
	012.22
	012.23
	012.24
	012.25
	012.26
	012.35
	012.36
	012.8
	012.80
	012.81
	012.82
	012.83
	012.84
	012.85
	012.86
	013.05
	013.06
	013.15
	013.16
	013.25
	013.26
	013.35
	013.36
	013.45
	013.46
	013.55
	013.56
	013.65
	013.66
	013.8
	013.80
	013.81
	013.82

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	013.83
	013.84
	013.85
	013.86
	013.9
	013.90
	013.91
	013.92
	013.93
	013.94
	013.95
	013.96
	014.05
	014.06
	014.8
	014.80
	014.81
	014.82
	014.83
	014.84
	014.85
	014.86
	015.0
	015.00
	015.01
	015.02
	015.03
	015.04
	015.05
	015.06
	015.1
	015.10
	015.11
	015.12
	015.13
	015.14
	015.15
	015.16
	015.2
	015.20
	015.21
	015.22
	015.23
	015.24

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	015.25
	015.26
	015.5
	015.50
	015.51
	015.52
	015.53
	015.54
	015.55
	015.56
	015.6
	015.60
	015.61
	015.62
	015.63
	015.64
	015.65
	015.66
	015.7
	015.70
	015.71
	015.72
	015.73
	015.74
	015.75
	015.76
	015.8
	015.80
	015.81
	015.82
	015.83
	015.84
	015.85
	015.86
	015.9
	015.90
	015.91
	015.92
	015.93
	015.94
	015.95
	015.96
	016.0
	016.00

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	016.01
	016.02
	016.03
	016.04
	016.05
	016.06
	016.1
	016.10
	016.11
	016.12
	016.13
	016.14
	016.15
	016.16
	016.2
	016.20
	016.21
	016.22
	016.23
	016.24
	016.25
	016.26
	016.3
	016.30
	016.31
	016.32
	016.33
	016.34
	016.35
	016.36
	016.4
	016.40
	016.41
	016.42
	016.43
	016.44
	016.45
	016.46
	016.5
	016.50
	016.51
	016.52
	016.53
	016.54

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	016.55
	016.56
	016.65
	016.66
	016.7
	016.70
	016.71
	016.72
	016.73
	016.74
	016.75
	016.76
	016.9
	016.90
	016.91
	016.92
	016.93
	016.94
	016.95
	016.96
	017.0
	017.00
	017.01
	017.02
	017.03
	017.04
	017.05
	017.06
	017.1
	017.10
	017.11
	017.12
	017.13
	017.14
	017.15
	017.16
	017.2
	017.20
	017.21
	017.22
	017.23
	017.24
	017.25
	017.26

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	017.3
	017.30
	017.31
	017.32
	017.33
	017.34
	017.35
	017.36
	017.4
	017.40
	017.41
	017.42
	017.43
	017.44
	017.45
	017.46
	017.5
	017.50
	017.51
	017.52
	017.53
	017.54
	017.55
	017.56
	017.6
	017.60
	017.61
	017.62
	017.63
	017.64
	017.65
	017.66
	017.7
	017.70
	017.71
	017.72
	017.73
	017.74
	017.75
	017.76
	017.8
	017.80
	017.81
	017.82

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	017.83
	017.84
	017.85
	017.86
	017.9
	017.90
	017.91
	017.92
	017.93
	017.94
	017.95
	017.96
	018.0
	018.00
	018.01
	018.02
	018.03
	018.04
	018.05
	018.06
	018.8
	018.80
	018.81
	018.82
	018.83
	018.84
	018.85
	018.86
	018.9
	018.90
	018.91
	018.92
	018.93
	018.94
	018.95
	018.96
	137.0
	137.1
	137.2
	137.3
	137.4
	511.0
	511.1
	647.3

Appendix A. International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) Diagnosis Codes

Diagnosis Group	ICD-9-CM Diagnosis Code
Tb Group 1 (Continued)	647.30
	647.31
	647.32
	647.33
	647.34
Tb Group 2	795.51
	795.52
Tb Group 3	V01.1
	V03.2
	V12.01
	V71.2
	V74.1