

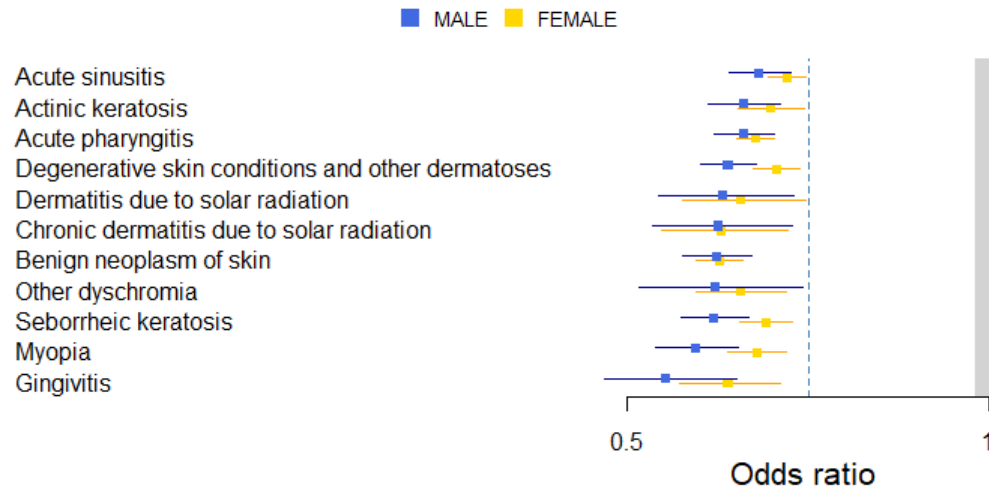
## **Online Data Supplement**

### **Unbiased Phenome-wide Association Studies of Red Cell Distribution Width Identifies Key Associations with Pulmonary Hypertension**

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**Figure E1**

**Discovery Cohort RDW PheWAS  
Negative Associations**



**Supplemental Table E1**

phecode	description	lower 95%	upper 95%	OR	p	n_total	n_cases	n_controls	note
428.1	Congestive	1.81709	2.007486	1.909682	6.34E-143	45639	1220	44419	
428	Congestive	1.697493	1.85797	1.775795	4.08E-137	46138	1719	44419	
509	Respiratory	1.670763	1.858591	1.762304	1.31E-96	44768	967	43801	
415.2	Chronic pul	1.88445	2.152669	2.013618	1.36E-94	46223	368	45855	
415	Pulmonary	1.685688	1.892535	1.786152	4.66E-86	46502	647	45855	
509.1	Respiratory	1.754272	1.988812	1.868089	5.45E-85	44336	535	43801	
318	Tobacco us	1.347506	1.442446	1.39418	1.28E-81	44190	4636	39554	
496	Chronic air	1.440548	1.573238	1.505595	4.08E-74	44880	1870	43010	
317	Alcohol-rel	1.414364	1.53827	1.47512	1.27E-73	42088	2534	39554	
465	Acute uppe	0.638978	0.6988	0.668376	1.08E-69	42183	5231	36952	
278.11	Morbid obe	1.485991	1.644086	1.563397	2.46E-67	43949	1163	42786	
416	Cardiomeg	1.470543	1.630641	1.54889	6.18E-62	46998	1143	45855	
208	Benign neo	0.626607	0.692127	0.65875	8.12E-61	47298	4123	43175	
316	Substance	1.380527	1.506543	1.442349	9.54E-61	42069	2515	39554	
200	Myeloprolif	1.650826	1.900945	1.772525	3.54E-57	47433	300	47133	
317.1	Alcoholism	1.393851	1.530959	1.461047	1.44E-56	41385	1831	39554	
428.3	Heart failur	1.579388	1.798653	1.686074	5.49E-56	45004	585	44419	
745	Pain in joint	0.762976	0.810114	0.786291	1.08E-55	44888	11444	33444	
278.1	Obesity	1.297066	1.397098	1.346305	1.61E-55	46011	3225	42786	
508	Pulmonary	1.342017	1.460774	1.400384	1.09E-54	46176	2375	43801	
476	Allergic rhir	0.650151	0.716183	0.682563	5.07E-54	41531	4257	37274	
200.1	Polycyther	1.748563	2.059677	1.898881	2.05E-53	45116	204	44912	
272.13	Mixed hype	0.670239	0.733948	0.701562	7.50E-53	36659	4902	31757	
289.8	Polycyther	1.615326	1.869508	1.738802	5.49E-50	43974	331	43643	
585.1	Acute renal	1.516932	1.72258	1.617377	7.44E-50	45141	497	44644	
585	Renal failur	1.36157	1.499092	1.429162	5.14E-48	46018	1374	44644	
425	Cardiomyo	1.409944	1.569798	1.488479	7.81E-48	47848	993	46855	
272	Disorders o	0.782625	0.829565	0.805834	8.02E-48	45950	14193	31757	
702	Degenerati	0.601724	0.679164	0.639554	1.81E-47	45601	2835	42766	
272.1	Hyperlipide	0.782616	0.829739	0.805915	1.97E-47	45792	14035	31757	
272.11	Hyperchole	0.683697	0.750302	0.716435	6.50E-45	36395	4638	31757	

427.2 Atrial fibrill	1.31435	1.436785	1.374455	1.49E-44	41084	2309	38775
415.21 Primary pul	1.85259	2.266188	2.050365	1.59E-44	45956	101	45855
427.21 Atrial fibrill	1.309351	1.43385	1.370464	3.69E-42	40979	2204	38775
278 Overweight	1.22981	1.319594	1.274089	2.04E-41	46761	3975	42786
428.2 Heart failur	1.546698	1.797657	1.668934	9.09E-41	44812	393	44419
507 Pleurisy; pl	1.466521	1.67405	1.568041	1.39E-40	44429	628	43801
425.1 Primary/int	1.377121	1.54632	1.46036	1.22E-37	47711	856	46855
465.2 Acute phan	0.609188	0.694684	0.650833	1.29E-37	39340	2388	36952
571.51 Cirrhosis of	1.428663	1.628779	1.52689	7.61E-37	42442	544	41898
512.9 Other dyspi	1.26338	1.376457	1.31893	9.16E-37	35455	2419	33036
726 Peripheral c	0.681321	0.755502	0.71771	2.70E-36	43503	3487	40016
702.2 Seborrheic	0.573444	0.667146	0.618932	1.92E-35	45957	1762	44195
411.2 Myocardial	1.306039	1.444213	1.3739	3.00E-35	42667	1637	41030
464 Acute sinus	0.633005	0.717168	0.674089	3.21E-35	39426	2474	36952
496.21 Obstructive	1.471811	1.70507	1.586268	7.43E-35	43383	373	43010
411 Ischemic He	1.191919	1.275248	1.232948	5.79E-34	46929	5899	41030
216 Benign neo	0.568932	0.665589	0.615764	9.13E-34	46137	1681	44456
286.2 Encounter f	1.319234	1.472652	1.394606	1.89E-32	46460	1210	45250
496.2 Chronic bro	1.412468	1.623925	1.516447	1.01E-31	43487	477	43010
513 Respiratory	1.404012	1.611907	1.506549	1.87E-31	47983	457	47526
714.1 Rheumatoi	1.363802	1.551353	1.456381	2.10E-30	45203	588	44615
571.8 Liver absce	1.465231	1.721297	1.591199	7.98E-30	42160	262	41898
562.1 Diverticulo	0.682748	0.764237	0.722657	1.44E-29	43881	2924	40957
513.3 Hypoventil	1.549955	1.868484	1.705799	1.79E-29	47660	134	47526
287.3 Thrombocy	1.396001	1.609233	1.500882	2.95E-29	45741	491	45250
714 Rheumatoi	1.31389	1.476266	1.394102	4.34E-29	45483	868	44615
367 Disorders o	0.606379	0.704316	0.653916	1.00E-28	47350	1752	45598
287 Purpura an	1.377907	1.584356	1.479546	2.78E-28	45789	539	45250
509.8 Dependenc	1.620218	2.002064	1.805667	4.05E-28	43897	96	43801
562 Diverticulo	0.700644	0.780258	0.739681	4.68E-28	44126	3169	40957
571 Chronic live	1.240753	1.363263	1.30121	5.33E-28	43824	1926	41898
389 Hearing los	0.687287	0.770429	0.727994	1.20E-27	47045	2822	44223
411.4 Coronary at	1.177354	1.265702	1.220838	3.02E-27	46097	5067	41030

367.1 Myopia	0.528147	0.642657	0.583117	4.65E-27	46697	1099	45598
702.1 Actinic kera	0.613862	0.713563	0.66231	7.35E-27	45892	1697	44195
573.4 Acute and s	1.646011	2.070181	1.852072	1.82E-26	41963	65	41898
427.12 Paroxysmal	1.34327	1.539849	1.439755	1.14E-25	39412	637	38775
173 Neoplasm c	0.647081	0.742391	0.693512	1.63E-25	45435	2008	43427
276.4 Acid-base b	1.416243	1.666744	1.539566	1.69E-25	43638	308	43330
571.5 Other chroi	1.231853	1.358126	1.294206	3.43E-25	43678	1780	41898
394 Rheumatic	1.39796	1.637559	1.515808	4.86E-25	46103	318	45785
426.9 Cardiac pac	1.310985	1.491263	1.399383	1.39E-24	39615	840	38775
496.1 Emphysem:	1.346865	1.55365	1.449011	1.97E-24	43500	490	43010
426.92 Cardiac def	1.393166	1.637444	1.512743	8.57E-24	39166	391	38775
512.7 Shortness c	1.151609	1.233982	1.192224	1.87E-23	37859	4823	33036
599 Other symp	0.748731	0.823467	0.785479	2.58E-23	46128	3769	42359
747.11 Cardiac shu	1.373316	1.609195	1.490566	3.35E-23	47814	349	47465
428.4 Heart failur	1.476245	1.79256	1.63001	5.05E-23	44627	208	44419
280 Iron deficie	1.44749	1.744944	1.595218	6.10E-23	46585	167	46418
600 Hyperplasia	0.715557	0.799534	0.756723	7.11E-23	44193	2885	41308
389.1 Sensorineu	0.642152	0.743733	0.691561	7.38E-23	45937	1714	44223
569.2 Gastrointes	1.342945	1.558251	1.449981	7.94E-23	45364	420	44944
480 Pneumonia	1.227437	1.36157	1.293792	1.90E-22	43478	1334	42144
297 Suicidal ide	1.255453	1.409385	1.331252	2.80E-22	37630	1390	36240
503 Pulmonary	1.484525	1.818146	1.647563	3.09E-22	43971	170	43801
155 Cancer of li	1.478067	1.808557	1.641534	3.15E-22	46732	113	46619
797 Shock	1.470923	1.797788	1.633969	3.64E-22	48299	108	48191
276.41 Acidosis	1.395998	1.659208	1.526149	4.79E-22	43598	268	43330
395 Heart valve	1.229718	1.367388	1.297637	5.79E-22	47121	1336	45785
796 Elevated pr	0.613782	0.724369	0.667391	1.09E-21	42603	1295	41308
585.3 Chronic ren	1.28061	1.457734	1.367825	2.24E-21	45378	734	44644
394.7 Disease of t	1.439213	1.74621	1.590565	3.09E-21	45939	154	45785
425.2 Secondary/	1.355901	1.592892	1.473092	3.17E-21	47188	333	46855
317.11 Alcoholic li	1.428566	1.728251	1.577564	3.30E-21	39722	168	39554
427.1 Paroxysmal	1.248896	1.40757	1.327046	1.63E-20	39837	1062	38775
458.9 Hypotensio	1.337769	1.568774	1.452287	3.02E-20	47203	345	46858

280.1 Iron deficie	1.457107	1.794098	1.624382	3.17E-20	46551	133	46418
296.1 Bipolar	1.220637	1.360295	1.28953	3.26E-20	37879	1639	36240
504 Other alvecl	1.433932	1.748147	1.587128	4.67E-20	43994	193	43801
509.3 Pulmonary	1.404662	1.696709	1.548683	6.63E-20	44075	274	43801
155.1 Malignant r	1.462745	1.810058	1.635227	6.89E-20	46718	99	46619
470 Septal Devi	0.670541	0.773414	0.720624	2.33E-19	39080	1806	37274
760 Back pain	0.817493	0.879363	0.848045	8.32E-19	45408	6535	38873
747.13 Congenital	1.493614	1.893197	1.69253	9.66E-19	47556	91	47465
840 Sprains and	0.730749	0.818822	0.773889	1.05E-18	44884	2746	42138
427.7 Tachycardia	1.216084	1.360714	1.287519	1.07E-18	40131	1356	38775
288.2 Elevated wl	1.283704	1.483006	1.382195	1.24E-18	44496	675	43821
501 Pneumoniti	1.483477	1.870033	1.673408	1.25E-18	43912	111	43801
605 Erectile dys	0.725599	0.815364	0.769581	1.36E-18	41191	2388	38803
366.2 Senile catar	0.708792	0.803919	0.755305	2.46E-18	47154	2163	44991
458 Hypotensio	1.266306	1.454654	1.359701	3.14E-18	47461	603	46858
429.1 Heart trans	1.505083	1.926498	1.712778	3.95E-18	44508	89	44419
297.2 Suicide or s	1.344601	1.603216	1.472176	4.98E-18	36626	386	36240
758.1 Chromosom	1.560926	2.048623	1.801734	5.01E-18	47269	60	47209
504.1 Idiopathic f	1.429906	1.768872	1.59509	5.30E-18	43955	154	43801
426 Cardiac con	1.170114	1.28574	1.227119	1.61E-17	40922	2147	38775
452 Other veno	1.261277	1.451654	1.35586	1.73E-17	43712	584	43128
395.1 Nonrheuma	1.253298	1.437716	1.344505	2.43E-17	46424	639	45785
276.6 Fluid overlc	1.448261	1.826823	1.636114	4.27E-17	43415	85	43330
539 Bariatric su	1.327467	1.583553	1.456105	4.40E-17	48305	270	48035
761 Cervicalgia	0.747077	0.834346	0.789865	5.79E-17	46753	2811	43942
276.1 Electrolyte	1.179438	1.306465	1.242296	8.68E-17	44962	1632	43330
571.81 Portal hype	1.374022	1.67975	1.526541	8.82E-17	42062	164	41898
198 Secondary i	1.240159	1.418256	1.328393	9.45E-17	45793	704	45089
455 Hemorrhoid	0.686662	0.79251	0.738191	1.05E-16	44855	1727	43128
366 Cataract	0.740483	0.830782	0.784736	1.49E-16	47543	2552	44991
38 Septicemia	1.352817	1.64269	1.498705	1.79E-16	47347	188	47159
70 Viral hepati	1.192803	1.334254	1.262949	2.94E-16	42283	1181	41102
599.5 Frequency	0.694441	0.79974	0.745764	3.84E-16	44040	1681	42359

70.3	Viral hepati	1.208861	1.365196	1.286465	4.21E-16	42030	928	41102
276	Disorders o	1.134998	1.23043	1.182205	4.27E-16	46563	3233	43330
286	Coagulator	1.248506	1.441014	1.343951	5.54E-16	45951	701	45250
365.1	Open-angle	0.574654	0.712866	0.640909	6.02E-16	46194	760	45434
502	Postinflamr	1.317928	1.578984	1.446493	9.02E-16	44125	324	43801
573.5	Jaundice (n	1.402198	1.760323	1.583591	9.16E-16	42010	112	41898
427	Cardiac dys	1.100389	1.170636	1.135098	9.84E-16	45601	6826	38775
365	Glaucoma	0.641303	0.764068	0.700704	1.75E-15	46529	1095	45434
530.2	Esophageal	1.411924	1.782081	1.597303	1.76E-15	39337	113	39224
411.8	Other chroi	1.190704	1.336351	1.262316	2.39E-15	42405	1375	41030
510	Other disea	1.168412	1.295405	1.231345	2.52E-15	47884	1545	46339
380.4	Impacted c	0.640162	0.7642	0.70014	3.08E-15	46474	1135	45339
379.2	Disorders o	0.605542	0.739056	0.669806	3.20E-15	45017	898	44119
726.1	Enthesopat	0.622798	0.752011	0.68513	3.83E-15	41014	998	40016
572	Ascites (noi	1.31213	1.579446	1.446152	4.12E-15	42163	265	41898
165.1	Cancer of b	1.307908	1.570756	1.439003	4.78E-15	48253	241	48012
296	Mood disor	1.109033	1.188594	1.148351	4.94E-15	41667	5427	36240
706	Diseases of	0.679844	0.793266	0.734931	5.17E-15	46144	1575	44569
165	Cancer with	1.303943	1.565238	1.434242	7.20E-15	48258	246	48012
289	Other disea	1.319868	1.599192	1.459229	8.55E-15	44073	252	43821
994.2	Sepsis	1.394569	1.766358	1.583571	1.01E-14	48216	83	48133
427.22	Atrial flutte	1.234507	1.426726	1.32893	1.20E-14	39490	715	38775
516.1	Hemoptysis	1.306839	1.577536	1.442855	1.54E-14	48203	226	47977
599.3	Dysuria	0.643661	0.769616	0.704516	1.58E-14	43477	1118	42359
389.4	Tinnitus	0.565577	0.712787	0.635887	1.73E-14	44937	714	44223
379	Other disor	0.660901	0.782443	0.719809	2.31E-14	45317	1198	44119
381	Otitis medi	0.689348	0.80248	0.744343	2.64E-14	45401	1572	43829
758	Chromoson	1.441679	1.887409	1.666775	3.62E-14	47291	82	47209
276.13	Hyperpotas	1.277785	1.523656	1.400358	4.88E-14	43652	322	43330
798	Malaise anc	0.854442	0.911828	0.882826	5.68E-14	44270	8285	35985
513.4	Hyperventil	1.367523	1.722893	1.547533	6.02E-14	47642	116	47526
516	Abnormal s	1.292836	1.558928	1.42662	7.01E-14	48218	241	47977
348.7	Coma	1.40361	1.808817	1.610279	7.61E-14	42333	74	42259

297.1 Suicidal ide	1.199597	1.366946	1.282261	7.91E-14	37332	1092	36240
172.2 Other non-r	0.697584	0.810025	0.752331	8.45E-14	44980	1553	43427
585.31 Renal dialys	1.493313	2.024289	1.75629	9.90E-14	44672	28	44644
427.9 Palpitations	0.757471	0.850426	0.802986	1.09E-13	41506	2731	38775
288 Diseases of	1.185921	1.342476	1.263373	1.39E-13	44963	1142	43821
198.2 Secondary i	1.317571	1.619214	1.46864	1.75E-13	45258	169	45089
172 Skin cancer	0.730141	0.833137	0.780471	1.82E-13	45390	1963	43427
785 Abdominal	0.855609	0.913755	0.884362	2.37E-13	45535	8342	37193
747.1 Cardiac con	1.219632	1.417046	1.31828	4.59E-13	48063	598	47465
687.1 Rash and ot	0.711693	0.822768	0.765797	5.57E-13	43195	1626	41569
994 Sepsis and i	1.316533	1.633963	1.478225	7.83E-13	48289	156	48133
427.4 Cardiac arr	1.327326	1.656908	1.491228	1.02E-12	38941	166	38775
260.1 Cachexia	1.450711	1.966951	1.715442	1.10E-12	44753	32	44721
295.1 Schizophre	1.222307	1.426959	1.323525	1.15E-12	36866	626	36240
327 Sleep disor	0.776424	0.866096	0.820415	1.26E-12	43130	2850	40280
523.1 Gingivitis	0.460856	0.645186	0.546568	1.99E-12	46229	387	45842
727 Other disor	0.734895	0.840727	0.786593	2.70E-12	41817	1801	40016
198.4 Secondary i	1.328004	1.675482	1.503457	3.37E-12	45197	108	45089
939 Atopic/cont	0.706032	0.82284	0.762844	4.23E-12	44194	1446	42748
601.1 Prostatitis	0.575694	0.734123	0.651211	4.72E-12	41926	618	41308
706.2 Sebaceous	0.628726	0.771778	0.697499	5.73E-12	45437	868	44569
414 Other form	1.181218	1.350758	1.264952	6.03E-12	41913	883	41030
512.8 Cough	0.837473	0.905977	0.871255	6.38E-12	38874	5838	33036
260 Protein-cal	1.266134	1.537459	1.402926	6.51E-12	44974	253	44721
722 Interverteb	0.794768	0.880125	0.83673	7.43E-12	44891	3115	41776
375.1 Dry eyes	0.668999	0.800136	0.73246	9.33E-12	45168	1049	44119
386.9 Dizziness ar	0.761275	0.860275	0.80975	1.33E-11	46236	2181	44055
371 Inflammatic	0.725415	0.837829	0.780221	1.47E-11	44659	1561	43098
296.22 Major depr	1.139964	1.27009	1.204333	1.51E-11	37999	1759	36240
579.2 Splenomeg	1.270292	1.557609	1.415492	1.74E-11	43222	236	42986
282 Hereditary	1.38179	1.826948	1.60381	1.87E-11	46495	77	46418
747 Cardiac anc	1.184655	1.367909	1.276123	2.83E-11	48187	722	47465
415.1 Acute pulm	1.272087	1.564713	1.417461	3.24E-11	46119	264	45855



722.6 Degenerati	0.76636	0.865479	0.814916	4.26E-11	43947	2171	41776
287.32 Secondary t	1.360298	1.801165	1.583725	5.65E-11	45327	77	45250
300.9 Posttrauma	1.205968	1.419827	1.312336	6.04E-11	36811	571	36240
440 Atheroscler	1.181355	1.365858	1.272695	6.81E-11	46334	671	45663
741.2 Stiffness of	0.61101	0.766617	0.685457	6.90E-11	44073	712	43361
475 Chronic sin	0.739686	0.850176	0.793614	7.67E-11	38973	1699	37274
523 Gingival an	0.538514	0.717259	0.62274	9.45E-11	46334	492	45842
250.41 Impaired fa	0.645894	0.791115	0.715812	1.05E-10	40783	853	39930
550.1 Inguinal he	0.676853	0.81161	0.742018	1.20E-10	46013	1046	44967
709 Diffuse dise	1.267962	1.576405	1.424797	1.28E-10	44200	167	44033
444 Arterial em	1.294533	1.641394	1.469252	1.31E-10	45791	128	45663
707 Chronic ulc	1.235083	1.49597	1.366638	1.35E-10	48171	268	47903
426.2 Atrioventric	1.225953	1.474311	1.348382	1.82E-10	39159	384	38775
426.91 Cardiac pac	1.202249	1.420187	1.309671	1.96E-10	39299	524	38775
459.9 Circulatory	1.24401	1.523281	1.38443	2.39E-10	47096	238	46858
420 Carditis	1.235535	1.510924	1.374738	4.60E-10	47118	263	46855
459 Other disor	1.223649	1.481657	1.35316	4.83E-10	47158	300	46858
38.2 Gram positi	1.398983	1.992501	1.711745	5.51E-10	47183	24	47159
198.3 Secondary i	1.327632	1.762973	1.55148	5.58E-10	45149	60	45089
747.12 Valvular he	1.292823	1.661029	1.479693	5.98E-10	47626	161	47465
480.1 Bacterial pr	1.255582	1.566429	1.413745	6.01E-10	42309	165	42144
295 Schizophre	1.149197	1.309687	1.228591	6.47E-10	37326	1086	36240
420.3 Endocarditi	1.35389	1.852657	1.614795	6.89E-10	46898	43	46855
741 Symptoms	0.798178	0.890103	0.843323	8.92E-10	46023	2662	43361
707.1 Decubitus u	1.312312	1.735374	1.532242	1.03E-09	47975	72	47903
381.2 Eustachian	0.638347	0.793497	0.712789	1.08E-09	44598	769	43829
495.1 Chronic obs	1.269123	1.608393	1.440761	1.12E-09	43158	148	43010
250.4 Abnormal g	0.776221	0.87824	0.82619	1.36E-09	42056	2126	39930
687.4 Disturbanc	0.762674	0.870383	0.815327	1.39E-09	43436	1867	41569
938 Dermatitis	0.541114	0.729833	0.630075	1.46E-09	43163	415	42748
276.42 Alkalosis	1.367232	1.922123	1.656851	1.68E-09	43361	31	43330
585.32 End stage r	1.324038	1.776238	1.555344	1.68E-09	44701	57	44644
601 Inflammato	0.701518	0.83489	0.766142	2.00E-09	42416	1108	41308

979 Adverse dru	1.169037	1.365636	1.267032	2.28E-09	46498	656	45842
938.2 Chronic der	0.534876	0.728204	0.625834	2.67E-09	43139	391	42748
458.2 Iatrogenic f	1.350289	1.87782	1.623056	2.71E-09	46892	34	46858
440.2 Atheroscler	1.211537	1.472017	1.341589	2.81E-09	45952	289	45663
854 Complicatic	1.225508	1.509485	1.368677	3.09E-09	47029	239	46790
505 Other pulm	1.337522	1.836321	1.592186	3.45E-09	43854	53	43801
38.3 Bacteremia	1.291114	1.702064	1.503698	3.91E-09	47242	83	47159
81 Infection/ir	1.251964	1.588052	1.424185	4.01E-09	47957	150	47807
427.5 Arrhythmia	1.128358	1.274905	1.200767	4.14E-09	40017	1242	38775
472 Chronic pha	0.67386	0.820306	0.744505	4.14E-09	38149	875	37274
185 Cancer of p	0.731163	0.854935	0.791445	4.58E-09	42544	1236	41308
274.1 Gout	1.114044	1.244919	1.178871	6.22E-09	47833	1466	46367
989 Toxic effect	1.302655	1.756341	1.539785	7.24E-09	48080	63	48017
285.1 Acute postf	1.223049	1.51647	1.371027	7.24E-09	46648	230	46418
426.24 Atrioventric	1.236663	1.550358	1.392144	7.38E-09	38987	212	38775
371.2 Conjunctivi	0.667646	0.818771	0.740466	7.92E-09	43893	795	43098
969 Poisoning b	1.234502	1.547518	1.391958	8.15E-09	46095	253	45842
382 Otalgia	0.545758	0.741644	0.637816	9.23E-09	44236	407	43829
513.32 Orthopnea	1.31783	1.822753	1.579396	1.32E-08	47565	39	47526
41 Bacterial in	1.16208	1.366788	1.264508	1.37E-08	47728	569	47159
599.9 Other abno	0.645632	0.807721	0.723384	1.48E-08	43027	668	42359
110 Dermatoph	0.73861	0.862975	0.799145	1.64E-08	46370	1302	45068
274 Gout and o	1.106395	1.233366	1.169278	1.65E-08	47932	1565	46367
608 Other disor	0.699997	0.840878	0.768113	1.72E-08	39830	1027	38803
296.2 Depression	1.075325	1.162642	1.118507	1.86E-08	40367	4127	36240
204 Leukemia	1.198	1.463772	1.331074	1.96E-08	47455	322	47133
195 Cancer, sus	1.176411	1.411097	1.293915	2.55E-08	45457	368	45089
197 Chemother	1.186289	1.438805	1.313359	2.76E-08	45422	333	45089
386 Vertiginous	0.622024	0.796187	0.705125	2.93E-08	44626	571	44055
443.9 Peripheral \	1.163043	1.378305	1.269829	3.27E-08	46136	473	45663
797.1 Cardiogenic	1.298138	1.799904	1.561868	3.72E-08	48230	39	48191
727.1 Synovitis ar	0.69457	0.841413	0.765527	4.80E-08	40909	893	40016
426.32 Left bundle	1.221124	1.542458	1.380205	5.01E-08	38976	201	38775

555.1 Regional er	1.168998	1.400953	1.285208	5.20E-08	41429	472	40957
415.11 Pulmonary	1.222304	1.546515	1.384205	5.26E-08	46070	215	45855
444.1 Arterial em	1.30925	1.859516	1.596678	5.92E-08	45696	33	45663
443 Peripheral v	1.146352	1.342687	1.243723	6.06E-08	46255	592	45663
291.8 Alteration c	1.146017	1.342927	1.244424	6.23E-08	44417	631	43786
958 Certain earl	1.211536	1.525758	1.371796	6.44E-08	48299	195	48104
427.42 Cardiac arr	1.255742	1.662292	1.462774	6.52E-08	38876	101	38775
740.11 Osteoarthr	0.779903	0.89043	0.833976	7.94E-08	44434	1729	42705
585.2 Renal failur	1.276616	1.747146	1.519717	8.46E-08	44698	54	44644
371.21 Allergic con	0.654693	0.821824	0.734876	1.11E-07	43735	637	43098
110.1 Dermatoph	0.737831	0.868813	0.801508	1.12E-07	46237	1169	45068
78 Viral warts	0.718307	0.858342	0.786098	1.19E-07	42212	1110	41102
280.2 Iron deficie	1.303024	1.880736	1.609583	1.25E-07	46447	29	46418
348.2 Cerebral ed	1.177548	1.439808	1.309506	1.37E-07	42575	316	42259
327.4 Insomnia	0.750108	0.876788	0.811175	1.63E-07	41641	1361	40280
446 Polyarteriti	1.248289	1.673251	1.467913	1.77E-07	45751	88	45663
835 Internal dei	0.710547	0.855609	0.780713	1.78E-07	46222	979	45243
426.3 Bundle brai	1.161503	1.39915	1.279194	1.98E-07	39193	418	38775
479 Other uppe	0.774462	0.891512	0.831629	2.85E-07	38893	1619	37274
694 Dyschromia	0.536374	0.755529	0.638657	2.95E-07	44524	320	44204
276.12 Hyposmola	1.164407	1.416523	1.29086	3.07E-07	43685	355	43330
327.3 Sleep apne:	1.062057	1.145235	1.103196	3.28E-07	44509	4229	40280
740 Osteoarthr	0.858039	0.933965	0.895492	3.35E-07	47007	4302	42705
555 Inflammato	1.131568	1.326399	1.22869	3.67E-07	41656	699	40957
586 Other disor	1.090791	1.21805	1.153776	3.71E-07	46276	1632	44644
965 Poisoning b	1.226529	1.621599	1.428612	4.23E-07	45975	133	45842
571.6 Primary bili	1.285433	1.902758	1.614528	5.37E-07	41925	27	41898
694.2 Other dyscl	0.517901	0.748575	0.624937	5.79E-07	44482	278	44204
359 Muscular d	1.191932	1.519747	1.359743	6.03E-07	46680	161	46519
782.3 Edema	1.092069	1.226689	1.158812	6.61E-07	47018	1351	45667
286.7 Other and t	1.15246	1.394945	1.273543	6.68E-07	45697	447	45250
228.1 Hemangion	0.362159	0.641261	0.485096	7.12E-07	47687	136	47551
830 Dislocation	0.77488	0.895014	0.833504	7.37E-07	46820	1577	45243

361 Retinal det	0.528714	0.757499	0.635131	7.64E-07	45718	284	45434
195.1 Malignant r	1.162207	1.429255	1.296553	7.79E-07	45365	276	45089
198.5 Secondary i	1.202836	1.578287	1.395314	1.15E-06	45200	111	45089
728.71 Contracture	0.348406	0.636196	0.474385	1.24E-06	40134	118	40016
110.11 Dermatoph	0.696876	0.857518	0.77432	1.36E-06	45799	731	45068
395.6 Heart valve	1.202507	1.581989	1.396453	1.39E-06	45902	117	45785
250.2 Type 2 diab	1.051799	1.128224	1.089579	1.62E-06	44908	4978	39930
735 Acquired fo	0.691144	0.855568	0.770274	1.66E-06	46274	716	45558
367.2 Astigmatism	0.558865	0.782063	0.663181	1.69E-06	45929	331	45598
727.4 Ganglion ar	0.489467	0.739222	0.604184	1.70E-06	40242	226	40016
427.41 Ventricular	1.214149	1.634913	1.429223	1.72E-06	38871	96	38775
250 Diabetes m	1.050179	1.124645	1.086997	1.80E-06	45202	5272	39930
440.22 Atheroscler	1.16769	1.468258	1.318832	1.92E-06	45876	213	45663
150 Cancer of e	1.255545	1.843025	1.564709	1.94E-06	46649	30	46619
578.8 Hemorrhag	0.70007	0.861097	0.777614	1.94E-06	43780	794	42986
228 Hemangion	0.492478	0.742591	0.60732	1.97E-06	47786	235	47551
395.4 Nonrheuma	1.231061	1.725995	1.490973	2.12E-06	45844	59	45785
348 Other cond	1.116511	1.309824	1.212726	2.18E-06	42937	678	42259
189 Cancer of u	1.107883	1.284784	1.195662	2.22E-06	48250	728	47522
585.33 Chronic Kid	1.129681	1.350554	1.239561	2.33E-06	45089	445	44644
274.11 Gouty arthr	1.119476	1.323435	1.221168	2.82E-06	46906	539	46367
550 Abdominal	0.832711	0.927475	0.879292	2.90E-06	47604	2637	44967
565 Anal and re	0.761752	0.894435	0.8263	3.22E-06	46208	1264	44944
374.6 Dermatoch	0.689695	0.858575	0.771012	3.29E-06	43745	647	43098
585.34 Chronic Kid	1.236011	1.784062	1.523255	3.32E-06	44684	40	44644
446.4 Wegener's	1.261068	1.948674	1.628767	3.39E-06	45684	21	45663
740.1 Osteoarthri	0.817864	0.921487	0.868704	3.75E-06	44773	2068	42705
601.12 Chronic pro	0.468204	0.733949	0.589261	4.09E-06	41496	188	41308
473.4 Voice distu	0.669273	0.849719	0.755747	4.32E-06	37836	562	37274
578 Gastrointes	0.806385	0.916715	0.860402	4.33E-06	44919	1933	42986
564 Functional	0.688766	0.859857	0.770905	4.34E-06	41672	715	40957
290.2 Delirium du	1.17748	1.541336	1.364695	4.99E-06	43913	127	43786
153.2 Colon cance	1.155366	1.45475	1.306085	4.99E-06	43046	202	42844

601.11 Acute prost	0.53384	0.77637	0.646334	5.03E-06	41569	261	41308
301 Personality	1.159015	1.468966	1.315637	5.24E-06	36484	244	36240
564.1 Irritable Bo	0.649079	0.840727	0.740329	5.30E-06	41502	545	40957
250.13 Type 1 diab	0.259652	0.581564	0.392592	5.65E-06	40005	75	39930
380.1 Otitis exter	0.613655	0.822565	0.712403	5.81E-06	45761	422	45339
291 Other speci	1.096621	1.268377	1.182037	6.60E-06	44683	897	43786
365.11 Primary op	0.557759	0.793093	0.667766	7.03E-06	45691	257	45434
214 Lipoma	0.654657	0.846451	0.746115	7.99E-06	47760	514	47246
374 Other disor	0.743472	0.890935	0.815043	9.48E-06	44010	912	43098
473 Diseases of	0.720063	0.880114	0.797411	9.93E-06	38039	765	37274
418 Nonspecific	0.91186	0.965101	0.938215	1.05E-05	45818	10897	34921
204.1 Lymphoid li	1.171125	1.546832	1.362248	1.16E-05	47285	152	47133
272.12 Hyperglyce	0.634406	0.839219	0.731697	1.22E-05	32178	421	31757
286.9 Abnormal c	1.203686	1.717964	1.472842	1.25E-05	45309	59	45250
420.2 Pericarditis	1.153964	1.484673	1.321466	1.37E-05	47053	198	46855
690 Erythematc	0.605329	0.825793	0.709219	1.47E-05	44565	361	44204
690.1 Seborrheic	0.59666	0.82127	0.702278	1.48E-05	44548	344	44204
204.12 Lymphoid li	1.178812	1.598065	1.392989	1.54E-05	47240	107	47133
728.7 Fasciitis	0.634344	0.841525	0.732692	1.63E-05	40438	422	40016
441.1 Acute vascu	1.2189	1.903505	1.590853	1.71E-05	45685	22	45663
401 Hypertensic	1.031835	1.087598	1.059349	1.75E-05	46135	16614	29521
189.1 Cancer of k	1.108693	1.327496	1.217854	1.76E-05	47975	453	47522
573 Other disor	1.100877	1.300867	1.200499	1.76E-05	42501	603	41898
840.3 Joint/ligam	0.686631	0.868104	0.773539	1.79E-05	42782	644	42138
41.4 E. coli	1.213733	1.842357	1.549592	1.81E-05	47189	30	47159
790.6 Other abno	0.793952	0.917115	0.854113	1.83E-05	46695	1469	45226
483 Acute bron	0.797783	0.91917	0.857098	1.99E-05	43694	1550	42144
340 Migraine	0.737089	0.892737	0.812309	2.13E-05	47496	951	46545
841 Sprains and	0.761821	0.90426	0.831	2.32E-05	43221	1083	42138
360.2 Progressive	0.2199	0.5691	0.358496	2.43E-05	45487	53	45434
41.2 Streptococ	1.185694	1.68358	1.447725	2.52E-05	47221	62	47159
394.1 Mitral valve	1.173667	1.612232	1.399184	2.58E-05	45865	80	45785
338.2 Chronic pai	1.093597	1.285544	1.189295	2.64E-05	45983	664	45319

478	Throat pain	0.540255	0.797043	0.65892	2.66E-05	37527	253	37274
506	Empyema a	1.123651	1.392201	1.257121	2.84E-05	44204	403	43801
282.9	Other here	1.203489	1.778013	1.502408	2.91E-05	46467	49	46418
287.31	Primary thr	1.17319	1.617817	1.402808	2.95E-05	45347	97	45250
871.2	Open woun	0.700088	0.878006	0.785466	2.95E-05	43950	680	43270
704	Diseases of	0.680738	0.869135	0.770781	2.99E-05	46798	579	46219
452.2	Deep vein t	1.121562	1.392617	1.257878	3.16E-05	43421	293	43128
172.21	Basal cell c	0.634781	0.847427	0.735709	3.18E-05	43822	395	43427
790.8	Elevated C-	1.157363	1.549128	1.358855	3.23E-05	45342	116	45226
594.3	Calculus of	0.716802	0.886319	0.798415	3.26E-05	46486	765	45721
709.4	Polymyositi	1.192096	1.797931	1.518884	3.35E-05	44060	27	44033
442.11	Abdominal	1.132346	1.434871	1.283354	3.38E-05	45887	224	45663
710.1	Osteomyeli	1.140122	1.47688	1.312183	3.60E-05	44859	172	44687
301.2	Antisocial/t	1.170163	1.626761	1.405712	4.03E-05	36332	92	36240
381.11	Suppurativ	0.670309	0.866948	0.764043	4.17E-05	44369	540	43829
371.3	Inflammati	0.685511	0.873865	0.775758	4.18E-05	43631	533	43098
509.5	Respiratory	1.208523	1.961164	1.613561	4.19E-05	43824	23	43801
395.3	Nonrheuma	1.166066	1.615423	1.398833	4.22E-05	45859	74	45785
695.42	Systemic lu	1.166137	1.633335	1.412244	4.51E-05	43843	68	43775
772.2	Spasm of m	0.67423	0.869974	0.76765	4.84E-05	46341	522	45819
369.5	Conjunctivi	0.607827	0.838456	0.716238	4.85E-05	43434	336	43098
577	Diseases of	1.104924	1.343829	1.224672	4.91E-05	48235	398	47837
381.1	Otitis medi	0.713654	0.888115	0.797553	5.09E-05	44543	714	43829
411.1	Unstable ar	1.072029	1.224559	1.147228	5.15E-05	42228	1198	41030
276.11	Hyperosmo	1.1802	1.76243	1.491953	5.56E-05	43372	42	43330
575	Other biliar	1.113109	1.379764	1.24677	5.66E-05	47473	339	47134
495.11	Chronic obs	1.184705	1.788114	1.505458	5.90E-05	43043	33	43010
289.9	Abnormalit	1.168371	1.646775	1.414461	6.15E-05	43903	82	43821
198.6	Secondary r	1.144612	1.533377	1.344283	6.28E-05	45196	107	45089
189.11	Malignant r	1.098753	1.330934	1.214729	6.86E-05	47923	401	47522
401.22	Hypertensio	1.10014	1.334553	1.215526	7.14E-05	29905	384	29521
740.9	Osteoarthr	0.850362	0.946143	0.897489	7.14E-05	45224	2519	42705
870	Open woun	1.059327	1.188656	1.12332	7.57E-05	44981	1711	43270

386.2 Peripheral c	0.632207	0.855434	0.737776	8.20E-05	44412	357	44055
689 Disorder of	0.681362	0.877888	0.775235	8.33E-05	46931	527	46404
559 Ileostomy s	1.160387	1.69906	1.447611	9.50E-05	41001	44	40957
805 Fracture of	1.073114	1.243256	1.1576	9.72E-05	43818	940	42878
512 Other symp	1.026334	1.082693	1.054204	0.000108	44526	11490	33036
279.7 Other immu	1.102404	1.365219	1.234489	0.000112	47202	333	46869
695.3 Rosacea	0.5927	0.840447	0.70859	0.000112	44495	291	44204
765 Cervical rac	0.71727	0.896493	0.803509	0.000122	45199	639	44560
710.19 Unspecifiec	1.135875	1.54161	1.346069	0.000122	44795	108	44687
474.2 Chronic ton	0.6102	0.850312	0.722662	0.000126	37619	345	37274
763 Thoracic or	0.757605	0.913163	0.833027	0.000127	45463	903	44560
302.1 Decreased l	0.642785	0.865043	0.747943	0.000128	36633	393	36240
912 Insect bite	0.605243	0.848005	0.719023	0.000128	47255	314	46941
433.5 Cerebral an	1.127128	1.501151	1.319028	0.000139	45092	125	44967
401.1 Essential hy	1.025336	1.081331	1.052963	0.000142	45723	16202	29521
359.1 Muscular d	1.15718	1.747528	1.474682	0.000145	46562	43	46519
153 Colorectal c	1.092033	1.332331	1.21235	0.000146	43205	361	42844
707.3 Chronic ulc	1.14747	1.658297	1.41649	0.000158	47960	57	47903
560 Intestinal o	1.085982	1.310751	1.198313	0.000163	41401	444	40957
721 Spondylosis	0.84543	0.947882	0.8958	0.000163	43950	2174	41776
151 Cancer of st	1.157448	1.812658	1.511495	0.000164	46645	26	46619
217 Vascular ha	0.425024	0.75865	0.572568	0.000166	44575	119	44456
580.4 Renal scler	1.152712	1.749032	1.470627	0.000182	44683	39	44644
587 Kidney repl	1.138725	1.613182	1.385435	0.00021	44727	83	44644
726.3 Bursitis	0.683939	0.88787	0.781382	0.000214	40480	464	40016
540.11 Acute appe	0.597481	0.851344	0.715637	0.000216	48217	328	47889
540.1 Appendiciti	0.61632	0.86085	0.730705	0.000236	48251	362	47889
305.2 Eating diso	1.142188	1.710542	1.44551	0.000248	36289	49	36240
217.1 Nevus, non	0.402731	0.753889	0.556218	0.000251	44559	103	44456
80 Postoperati	1.105845	1.428536	1.269492	0.000256	48023	216	47807
474 Acute and c	0.689294	0.892325	0.786071	0.00026	37816	542	37274
159 Malignant r	1.130007	1.591173	1.370254	0.000261	46697	78	46619
359.2 Myopathy	1.115092	1.490596	1.307779	0.000273	46643	124	46519

442.1 Aortic aneu	1.081665	1.315171	1.197669	0.000294	46079	416	45663
427.3 Other speci	1.059385	1.221048	1.139325	0.000317	39791	1016	38775
557 Intestinal rr	1.124338	1.57956	1.362111	0.000318	41039	82	40957
715.1 Sacroiliitis f	0.451857	0.7864	0.600664	0.000319	44743	128	44615
360 Disorders o	0.432649	0.776702	0.584441	0.000328	45544	110	45434
275.3 Disorders o	1.132202	1.638955	1.39774	0.000331	47130	71	47059
701 Other hype	0.78988	0.93241	0.8593	0.000342	46808	1087	45721
250.7 Diabetic ret	0.575934	0.847794	0.70213	0.000343	45512	224	45288
276.14 Hypopotas	1.062786	1.23812	1.149635	0.000345	44165	835	43330
295.3 Psychosis	1.073181	1.283389	1.177345	0.000346	36856	616	36240
362 Other retin.	0.775025	0.927738	0.84925	0.000372	46175	887	45288
790.1 Elevated se	1.120034	1.564929	1.350431	0.000377	45310	84	45226
255 Disorders o	1.083641	1.345145	1.214906	0.000415	45105	320	44785
480.11 Pneumococ	1.127652	1.760518	1.470679	0.000435	42173	29	42144
315 Develomen	1.082137	1.342192	1.211937	0.000465	46502	379	46123
593 Hematuria	0.836722	0.950474	0.892515	0.000473	45424	1771	43653
286.5 Hemorrhag	1.122098	1.623515	1.382794	0.000474	45317	67	45250
255.2 Adrenal hyp	1.108817	1.515363	1.318619	0.000487	44902	117	44785
771.1 Swelling of	1.053981	1.212729	1.132726	0.000499	47115	1002	46113
532 Dysphagia	0.811626	0.943131	0.875814	0.00054	40559	1335	39224
276.5 Hypovolem	1.045815	1.179126	1.111605	0.000546	45027	1697	43330
818.2 Subarachnc	1.09209	1.414748	1.255189	0.000579	45923	232	45691
818 Intracranial	1.071533	1.301431	1.186149	0.00058	46181	490	45691
816 Cerebral lac	1.09959	1.460448	1.282518	0.000582	45870	179	45691
704.8 Other speci	0.655025	0.888251	0.765247	0.000583	46583	364	46219
302 Sexual and	0.700309	0.905626	0.798411	0.000606	36743	503	36240
724 Other and t	0.689313	0.901637	0.790597	0.000611	42230	454	41776
514 Abnormal f	1.055362	1.226787	1.140461	0.000621	47728	803	46925
580 Nephritis; r	1.087746	1.397992	1.243921	0.000651	44885	241	44644
275.51 Hypocalcen	1.098221	1.468806	1.28715	0.000655	47214	155	47059
766 Neuralgia, r	0.721323	0.914169	0.813958	0.000667	45112	552	44560
270.3 Disorders o	1.087603	1.403752	1.247048	0.000689	47494	201	47293
709.5 Dermatomy	1.110189	1.843882	1.517321	0.00069	44053	20	44033



440.9 Atheroscler	1.085012	1.387583	1.236736	0.000694	45888	225	45663
394.2 Mitral valve	1.115642	1.834237	1.506723	0.000697	45807	22	45785
369 Infection of	0.700531	0.908414	0.799841	0.000763	43574	476	43098
345.12 Partial epile	0.735662	0.920835	0.824601	0.000766	42964	705	42259
871.1 Open woun	0.686572	0.903838	0.789938	0.000784	43722	452	43270
972 Poisoning b	1.105804	1.565225	1.344057	0.000788	45933	91	45842
819 Skull and fa	1.047371	1.197663	1.121633	0.000794	47030	1339	45691
947 Urticaria	0.650374	0.890891	0.763837	0.000803	43089	341	42748
433.11 Occlusion o	1.090835	1.449809	1.273642	0.000829	45116	149	44967
965.1 Opiates anc	1.111237	1.626152	1.379385	0.000852	45923	81	45842
344 Other paral	1.093879	1.470579	1.284698	0.000898	42415	156	42259
365.2 Primary ane	0.431424	0.799648	0.593391	0.000938	45525	91	45434
962.1 Adrenal cor	1.110403	1.738224	1.446933	0.000947	45884	42	45842
250.42 Other abno	0.818399	0.949403	0.882449	0.000967	41261	1331	39930
681.1 Cellulitis an	0.674405	0.902404	0.782586	0.00098	43597	391	43206
577.2 Chronic par	1.098852	1.555491	1.336791	0.000984	47923	86	47837
580.2 Nephrotic s	1.109338	1.70879	1.426782	0.001003	44692	48	44644
840.2 Rotator cuff	0.718665	0.918103	0.814419	0.00103	42638	500	42138
260.3 Adult failure	1.111255	1.778358	1.464229	0.001043	44747	26	44721
565.1 Anal and re	0.683304	0.90641	0.789472	0.001054	45344	400	44944
550.4 Umbilical h	0.693934	0.910447	0.797135	0.001076	45407	440	44967
367.8 Hypermetr	0.485299	0.829105	0.639358	0.001086	45727	129	45598
722.1 Displaceme	0.80188	0.945549	0.871885	0.001117	42888	1112	41776
300.12 Agorophob	1.066659	1.316103	1.190693	0.001137	36696	456	36240
370 Keratitis	0.621965	0.885632	0.74546	0.00114	43363	265	43098
695.4 Lupus (loca	1.091944	1.529283	1.319002	0.001198	43868	93	43775
447 Other disor	1.063204	1.303415	1.182862	0.001229	46053	390	45663
721.1 Spondylosis	0.852632	0.961198	0.90599	0.001246	43712	1936	41776
578.2 Blood in stc	0.774735	0.938647	0.854121	0.001289	43845	859	42986
327.32 Obstructive	1.027026	1.117967	1.071994	0.001317	43658	3378	40280
975 Poisoning b	1.097834	2.026094	1.604728	0.001347	45862	20	45842
427.11 Paroxysmal	1.060394	1.293231	1.175925	0.001379	39264	489	38775
157 Pancreatic c	1.095279	1.708217	1.422785	0.001394	46657	38	46619

851 Complicatio	1.095601	1.89128	1.531319	0.001406	46811	21	46790
361.1 Retinal deta	0.546872	0.860875	0.690682	0.001417	45600	166	45434
41.11 Methicillin :	1.08647	1.489483	1.292079	0.001447	47305	146	47159
442 Other aneu	1.054265	1.262246	1.157343	0.001465	46212	549	45663
960.2 Allergy/adv	1.092845	1.561891	1.334867	0.001467	45941	99	45842
530.1 Esophagitis	0.906394	0.97684	0.941217	0.001511	44718	5494	39224
525.1 Loss of teet	0.419368	0.808123	0.588112	0.00155	45935	93	45842
577.1 Acute panc	1.073403	1.395664	1.236161	0.001561	48053	216	47837
795 Other and r	1.083407	1.881225	1.52578	0.001585	48215	21	48194
602 Other disor	0.580263	0.877185	0.717881	0.001698	41487	179	41308
430.2 Intracerebr	1.064122	1.340864	1.202992	0.001733	45251	284	44967
569 Other disor	1.038135	1.183446	1.110138	0.001774	46153	1209	44944
495 Asthma	1.032122	1.153942	1.092308	0.001922	44933	1923	43010
70.2 Viral hepati	1.062305	1.339005	1.200885	0.00195	41392	290	41102
327.7 Sleep relate	0.673863	0.91247	0.786885	0.001963	40637	357	40280
340.1 Migrain wit	0.533904	0.863754	0.683519	0.00197	46716	171	46545
709.2 Sicca syndr	1.080362	1.711184	1.420932	0.002045	44066	33	44033
345.1 Epilepsy	0.788501	0.9476	0.865606	0.002097	43271	1012	42259
742 Derangeme	0.748804	0.936263	0.839067	0.002098	44003	642	43361
871 Open woun	0.848464	0.963716	0.904978	0.002129	45187	1917	43270
285 Other anen	1.043424	1.222129	1.13186	0.002141	47207	789	46418
709.3 Systemic sc	1.078364	1.732509	1.433573	0.00215	44062	29	44033
293 Symptoms i	0.461322	0.836951	0.627094	0.002183	46740	108	46632
595 Hydroneph	0.720617	0.929141	0.820374	0.002282	46240	519	45721
593.1 Gross hema	0.685906	0.918622	0.796586	0.002307	44010	357	43653
312 Conduct dis	1.052239	1.285153	1.167296	0.002414	46663	540	46123
433 Cerebrovas	1.026328	1.131089	1.078108	0.002416	47350	2383	44967
447.1 Stricture of	1.079365	1.610721	1.357498	0.002423	45721	58	45663
386.1 Meniere's c	0.490395	0.851576	0.651978	0.002434	44175	120	44055
41.1 Staphylococ	1.063136	1.371875	1.217688	0.002502	47440	281	47159
568 Other disor	1.068484	1.437138	1.256147	0.002545	45095	151	44944
261.4 Vitamin D c	0.848093	0.965009	0.905421	0.002572	46428	1707	44721
593.2 Microscopi	0.703918	0.925801	0.809813	0.002575	44055	402	43653

930 Allergic rea	0.483252	0.851661	0.646672	0.00262	42874	126	42748
742.9 Other dera	0.712333	0.92876	0.815662	0.002635	43823	462	43361
560.1 Paralytic ile	1.059456	1.356992	1.209155	0.002635	41184	227	40957
214.1 Lipoma of s	0.658097	0.912868	0.778226	0.002707	47551	305	47246
530.11 GERD	0.905993	0.979302	0.942218	0.002715	44229	5005	39224
427.8 Sinoatrial n	1.047837	1.266262	1.155508	0.002756	39323	548	38775
345.11 Generalizec	0.680798	0.921122	0.794333	0.002865	42667	408	42259
204.22 Myeloid leu	1.07608	1.709921	1.412716	0.002929	47180	47	47133
580.32 Nephritis ai	1.077518	1.656947	1.381316	0.003034	44709	65	44644
526.4 Temporom:	0.409815	0.825777	0.588314	0.003067	45929	87	45842
764 Sciatica	0.743483	0.939593	0.837853	0.003082	45110	550	44560
609 Male infert	0.578463	0.89051	0.721969	0.003132	38993	190	38803
574.1 Cholelithias	1.04174	1.238672	1.139472	0.003138	47770	636	47134
260.2 severe prot	1.070851	1.75739	1.439151	0.003171	44751	30	44721
575.8 Other disor	1.068012	1.518612	1.299364	0.003507	47237	103	47134
960 Poisoning b	1.059217	1.403314	1.232057	0.003703	46054	212	45842
379.5 Disorders o	0.510067	0.871314	0.672355	0.003739	44240	121	44119
540 Appendicea	0.671329	0.923321	0.789953	0.003779	48265	376	47889
440.21 Atheroscler	1.048856	1.813139	1.468977	0.003783	45683	20	45663
710.12 Chronic ost	1.064134	1.547071	1.315869	0.003821	44764	77	44687
198.7 Secondary i	1.063121	1.612756	1.353364	0.003828	45140	51	45089
204.2 Myeloid leu	1.067616	1.555326	1.319006	0.003849	47224	91	47133
362.2 Degenerati	0.735396	0.940488	0.834051	0.003867	45761	473	45288
475.9 Postnasal d	0.655869	0.918903	0.779827	0.003902	37553	279	37274
509.2 Respiratory	1.063279	1.462473	1.264056	0.003996	43952	151	43801
362.26 Macular pu	0.580211	0.896529	0.726213	0.004029	45457	169	45288
275 Disorders o	1.034606	1.211299	1.122184	0.004178	47862	803	47059
288.1 Decreased i	0.652464	0.919876	0.777793	0.004182	44104	283	43821
513.8 Disorders o	1.061024	1.540184	1.309501	0.004358	47602	76	47526
523.31 Acute peric	0.465605	0.862343	0.639956	0.004628	45941	99	45842
967 Adverse eff	1.062959	1.54039	1.30703	0.004677	45951	109	45842
528 Diseases of	0.718079	0.93929	0.823671	0.004679	47381	454	46927
79 Viral infecti	0.777486	0.954059	0.862787	0.00474	41886	784	41102

704.1 Alopecia	0.577951	0.901226	0.725991	0.004798	46409	190	46219
441 Vascular ins	1.058742	1.602409	1.344079	0.00481	45725	62	45663
191.11 Cancer of b	1.049693	1.372782	1.212185	0.005017	47892	230	47662
343 Infantile ce	1.060559	1.540249	1.304901	0.005062	42365	106	42259
804 Fracture of	0.804935	0.962241	0.881381	0.005593	43895	1017	42878
573.6 Nonspecific	0.794955	0.960167	0.875005	0.005598	42816	918	41898
481 Influenza	0.69965	0.938002	0.812739	0.005619	42521	377	42144
426.8 Other cardi	1.050791	1.60256	1.340838	0.005774	38832	57	38775
286.8 Hypercoagu	1.054487	1.477397	1.268477	0.00579	45389	139	45250
519.9 Symptoms i	1.033024	1.231272	1.131397	0.00588	47219	611	46608
519 Other disea	1.031298	1.217709	1.123733	0.005954	47308	700	46608
523.3 Periodontit	0.5118	0.886747	0.679508	0.005976	45962	120	45842
771 Musculoske	1.039464	1.293606	1.165856	0.006028	46485	372	46113
555.2 Ulcerative c	1.039304	1.292966	1.165404	0.006082	41370	413	40957
395.2 Nonrheuma	1.034137	1.246652	1.139341	0.006228	46305	520	45785
740.3 Osteoarthr	1.052218	1.656266	1.366242	0.006255	42746	41	42705
710.11 Acute oste	1.047055	1.604925	1.341657	0.006434	44743	56	44687
772.4 Rhabdomyo	1.048647	1.467731	1.262523	0.006438	45928	109	45819
411.9 Other acute	1.048792	1.81141	1.450239	0.006483	41058	28	41030
433.2 Occlusion o	1.027953	1.198667	1.112474	0.006553	45779	812	44967
158 Neoplasm c	1.048141	1.550077	1.308607	0.006744	46693	74	46619
189.2 Cancer of b	1.038117	1.302407	1.169588	0.006784	47825	303	47522
289.5 Diseases of	1.052786	1.569804	1.316765	0.006908	43907	86	43821
588 Disorders r	1.047407	1.505967	1.283368	0.006976	44737	93	44644
771.2 Cramp of li	0.551663	0.903609	0.711554	0.006995	46253	140	46113
567 Peritonitis a	1.046589	1.513562	1.288163	0.007056	45036	92	44944
191.1 Cancer of b	1.041713	1.359026	1.200956	0.007059	47903	241	47662
594 Urinary calc	0.865617	0.976938	0.920277	0.007121	47762	2041	45721
735.23 Hallux rigid	0.478259	0.882586	0.657018	0.007374	45654	96	45558
270 Disorders o	1.039256	1.340159	1.189822	0.007471	47534	241	47293
53.1 Herpes zost	0.278552	0.805217	0.484335	0.007653	41141	39	41102
282.5 Sickle cell a	1.052835	1.888724	1.458416	0.007816	46440	22	46418
573.3 Hepatomeg	1.038759	1.664765	1.371632	0.007947	41948	50	41898

574 Cholelithias	1.026059	1.205801	1.115068	0.008214	47914	780	47134
201 Hodgkin's d	1.046996	1.536717	1.295942	0.008268	47242	109	47133
433.1 Occlusion a	1.024534	1.191924	1.10725	0.008314	45825	858	44967
842 Other sprai	0.504791	0.896259	0.678962	0.008381	42250	112	42138
728 Disorders o	0.589285	0.920731	0.741856	0.008878	40183	167	40016
315.3 Mental reta	1.037979	1.381029	1.210021	0.008911	46342	219	46123
353.2 Nerve root	0.573186	0.917488	0.730766	0.009128	45381	151	45230
54 Herpes sim	0.677481	0.942806	0.802539	0.009198	41394	292	41102
568.1 Peritoneal a	1.037923	1.45622	1.251645	0.009357	45058	114	44944
292.6 Hallucinatic	1.036723	1.374979	1.206175	0.009387	43991	205	43786
333.4 Torsion dys	0.522154	0.906144	0.694309	0.009669	42379	120	42259
575.2 Obstructior	1.022842	1.718767	1.397691	0.009703	47166	32	47134
210 Benign neo	0.566193	0.918179	0.726626	0.009793	47842	148	47694
380 Disorders o	0.472241	0.89243	0.656895	0.009873	45431	92	45339
575.7 Other disor	1.038517	1.468676	1.256492	0.01001	47262	128	47134
707.2 Chronic ulc	1.034801	1.395439	1.216968	0.010128	48059	156	47903
858 Complicatic	1.033052	1.335451	1.183632	0.010197	47058	268	46790
603.1 Hydrocele	0.631462	0.935293	0.772982	0.010344	39011	208	38803
8.52 Intestinal ir	1.011048	1.749515	1.413674	0.010926	47676	28	47648
433.21 Cerebral ar	1.021489	1.198513	1.10911	0.011112	45719	752	44967
471 Nasal polyp	0.65631	0.94271	0.790816	0.011234	37510	236	37274
224 Benign neo	0.520252	0.911398	0.695521	0.011364	47773	111	47662
701.6 Acquired ac	1.010051	1.743562	1.402571	0.011372	45748	27	45721
870.3 Other open	1.020322	1.188147	1.103311	0.011423	44263	993	43270
681.5 Cellulitis an	1.023603	1.234448	1.12825	0.011644	43763	557	43206
530 Diseases of	0.920574	0.989445	0.954631	0.011648	45089	5865	39224
191 Malignant a	1.028635	1.314328	1.171085	0.011719	47971	309	47662
286.81 Primary hyp	1.034411	1.487479	1.2638	0.011769	45373	123	45250
331.1 Hydroceph	1.031883	1.382425	1.207077	0.011844	42459	200	42259
389.2 Conductive	0.689001	0.951047	0.812886	0.011898	44543	320	44223
853 Complicatic	1.014828	1.747761	1.406727	0.012088	46819	29	46790
733.9 Chondrom	0.551187	0.923095	0.71973	0.012663	44552	129	44423
500.2 Pneumocor	1.00477	1.741318	1.399659	0.013425	43829	28	43801

313.1 Attention d	0.781222	0.970835	0.872505	0.013973	46923	800	46123
250.1 Type 1 diab	0.81374	0.975628	0.892505	0.014082	40840	910	39930
327.71 Restless leg	0.665671	0.950854	0.799593	0.0141	40532	252	40280
709.6 Other speci	1.014892	1.620303	1.336361	0.014182	44080	47	44033
430 Intracranial	1.020761	1.240951	1.130045	0.014256	45463	496	44967
250.23 Type 2 diab	0.628841	0.943739	0.775525	0.014336	40115	185	39930
224.1 Benign neo	0.433619	0.898953	0.633773	0.014568	47733	71	47662
715 Other inflar	0.693613	0.956874	0.818169	0.014665	44932	317	44615
110.13 Dermatoph	0.613641	0.942275	0.765435	0.014792	45250	182	45068
603 Other disor	0.704482	0.95957	0.825566	0.015195	39127	324	38803
170.1 Bone cance	1.018953	1.547248	1.293866	0.015381	48187	64	48123
334.2 Anterior ho	1.021192	1.550319	1.292575	0.015645	42327	68	42259
255.21 Glucocortic	1.02079	1.498701	1.266872	0.015817	44877	92	44785
260.6 Anorexia	1.014167	1.619625	1.331486	0.015837	44768	47	44721
536.8 Dyspepsia a	0.770492	0.971243	0.867169	0.015946	46383	580	45803
870.6 Open woun	1.016884	1.519656	1.277233	0.01641	43349	79	43270
204.21 Myeloid leu	1.017944	1.559513	1.297333	0.016904	47207	74	47133
987 Toxic effect	0.99857	1.698008	1.375552	0.016922	48053	36	48017
292.4 Altered me	1.014609	1.180601	1.096678	0.017033	44743	957	43786
524 Dentofacial	0.615238	0.948685	0.768616	0.017481	46040	198	45842
694.1 Vitiligo	0.249627	0.849987	0.474054	0.017504	44234	30	44204
836 Traumatic a	1.013488	1.539298	1.287446	0.017585	45308	65	45243
362.6 Peripheral i	0.458114	0.91826	0.657683	0.018593	45362	74	45288
875 Non-healin	0.985714	1.707542	1.378661	0.018751	43297	27	43270
701.4 Keloid scar	0.547205	0.938589	0.723476	0.019049	45834	113	45721
720 Spinal stenc	0.839388	0.983496	0.909847	0.019479	42851	1075	41776
736.6 Unequal leg	0.238399	0.856953	0.466167	0.020035	45586	28	45558
451 Phlebitis an	1.016	1.359007	1.187682	0.020811	43325	197	43128
189.21 Malignant r	1.014245	1.281977	1.147146	0.021695	47820	298	47522
716.9 Arthropath	1.010718	1.181489	1.095234	0.022423	45502	815	44687
560.4 Other intes	1.01339	1.334011	1.173763	0.022705	41185	228	40957
112 Candidiasis	1.012805	1.338432	1.175906	0.023066	45280	212	45068
514.2 Solitary pul	1.011842	1.256903	1.133557	0.023658	47308	383	46925

733.8 Malunion a	1.011549	1.351478	1.181526	0.024465	44632	209	44423
530.7 Gastroesop	0.174497	0.853997	0.40057	0.024806	39244	20	39224
530.15 Eosinophilic	0.457859	0.936818	0.6634	0.025141	39307	83	39224
345 Epilepsy, re	1.006727	1.124372	1.064831	0.025905	44389	2130	42259
609.2 Abnormal s	0.478191	0.940248	0.680223	0.026079	38878	75	38803
528.7 Sialolithiasi	0.212264	0.871303	0.446521	0.026113	46950	23	46927
240 Simple and	0.650526	0.967478	0.798209	0.026362	45012	198	44814
870.4 Open woun	1.000034	1.50746	1.262105	0.026414	43351	81	43270
521 Diseases of	0.788347	0.983202	0.882411	0.026579	46471	629	45842
198.1 Secondary i	1.009276	1.262089	1.134785	0.026813	45467	378	45089
364 Corneal opa	0.693879	0.973146	0.825839	0.026889	45693	259	45434
370.3 Keratoconji	0.584012	0.958847	0.755384	0.027018	43226	128	43098
331 Other cerek	1.009092	1.258383	1.132382	0.027481	42642	383	42259
931 Contact der	0.534856	0.953272	0.721847	0.027587	42854	106	42748
379.4 Anomalies c	0.973215	1.714257	1.369143	0.027709	44151	32	44119
261.2 Vitamin B-c	1.008101	1.246557	1.1264	0.028198	45130	409	44721
706.1 Acne	0.743266	0.981531	0.856484	0.029156	45076	507	44569
594.1 Calculus of	0.867514	0.991635	0.92837	0.029408	47367	1646	45721
339 Other head	0.602813	0.966551	0.769366	0.02994	46696	151	46545
292.2 Mild cognit	0.593098	0.965774	0.76411	0.031089	43917	131	43786
717 Polymyalgia	0.998625	1.442096	1.223391	0.031551	48260	95	48165
626 Disorders o	0.241655	0.907047	0.482786	0.031928	48280	28	48252
442.2 Aneurysm c	0.955165	1.746886	1.378	0.03215	45686	23	45663
524.3 Anomalies c	0.618119	0.971915	0.780349	0.032181	46023	181	45842
850 Hemorrhag	1.004286	1.335897	1.169156	0.032253	47006	216	46790
735.2 Acquired tc	0.691058	0.979276	0.827167	0.033232	45799	241	45558
290 Delirium de	1.004648	1.22786	1.115045	0.033462	44231	445	43786
696.42 Psoriatic ar	1.00422	1.273293	1.137734	0.033482	43719	354	43365
350.2 Abnormalit	0.801536	0.988861	0.892349	0.03367	46780	616	46164
362.8 Retinal hen	0.395404	0.94249	0.623398	0.033868	45335	47	45288
530.3 Stricture an	0.690598	0.98027	0.827022	0.03389	39477	253	39224
521.1 Dental carie	0.791544	0.988846	0.886792	0.03454	46457	615	45842
263 Other nutri	0.330397	0.934742	0.569817	0.034986	44756	35	44721

588.1 Renal osteo	0.986432	1.513293	1.257975	0.035739	44713	69	44644
526.41 Temporom	0.302071	0.931402	0.545332	0.03584	45877	35	45842
727.8 Plica syndr	0.509057	0.963708	0.709865	0.036103	40102	86	40016
285.2 Anemia of c	0.977041	1.586176	1.294471	0.036511	46466	48	46418
288.11 Neutropeni	0.593293	0.974991	0.766747	0.03655	43958	137	43821
710 Osteomyeli	1.001349	1.286475	1.143267	0.036652	44974	287	44687
370.31 Keratoconju	0.561919	0.97245	0.747694	0.03838	43202	104	43098
609.1 Infertility, n	0.555211	0.973483	0.742572	0.038408	38918	115	38803
579.8 Nonspecific	0.593577	0.976519	0.768345	0.038621	43120	134	42986
172.1 Melanoma	0.798503	0.991562	0.892036	0.038828	44023	596	43427
966 Poisoning b	0.982072	1.54834	1.272108	0.03886	45916	74	45842
686.1 Carbuncle a	0.697617	0.985276	0.833364	0.038927	43468	262	43206
601.8 Other inflar	0.986011	1.478118	1.237737	0.039627	41395	87	41308
270.33 Amyloidosi	0.939148	1.723347	1.366116	0.039809	47318	25	47293
586.3 Vascular dis	0.947979	1.715877	1.359834	0.039986	44673	29	44644
696 Psoriasis an	1.00139	1.184086	1.091686	0.040348	44150	785	43365
368 Visual distu	0.840902	0.994757	0.915965	0.04071	47232	994	46238
411.41 Aneurysm a	0.967373	1.654809	1.322182	0.04099	41073	43	41030
454 Varicose ve	0.727095	0.990343	0.852063	0.042628	43460	332	43128
480.3 Pneumonia	0.930906	1.730093	1.366102	0.043957	42167	23	42144
750 Digestive cc	0.579738	0.982263	0.762042	0.044101	47547	124	47423
696.4 Psoriasis	0.999642	1.185147	1.091313	0.044391	44127	762	43365
726.4 Calcaneal sp	0.727389	0.991338	0.853207	0.044869	40311	295	40016
279 Disorders ir	0.999435	1.180131	1.088781	0.044991	47605	736	46869
349 Other and t	0.990364	1.391404	1.190652	0.044999	42403	144	42259
500 Lung diseas	0.98465	1.480967	1.233575	0.045172	43901	100	43801
870.2 Open woun	0.979254	1.500611	1.244899	0.045313	43364	94	43270
362.4 Retinal vasc	0.64441	0.987467	0.804082	0.045864	45445	157	45288
364.5 Corneal dys	0.473207	0.974673	0.691413	0.046421	45496	62	45434
332 Parkinson's	0.732276	0.992991	0.856688	0.046885	42566	307	42259
8.5 Bacterial er	0.95101	1.640987	1.316573	0.047435	47688	40	47648
353.1 Nerve plexu	0.963745	1.560803	1.274973	0.048264	45285	55	45230
213 Benign neo	0.583591	0.98928	0.767564	0.050262	42098	118	41980



580.3 Nephritis a	0.982079	1.427316	1.206281	0.05058	44764	120	44644
164 Cancer of ir	0.932593	1.692339	1.341536	0.050669	48043	31	48012
426.23 Second deg	0.977748	1.460481	1.221891	0.050701	38869	94	38775
110.2 Dermatomy	0.527023	0.9873	0.730792	0.051204	45153	85	45068
350 Abnormal r	0.867032	0.999365	0.93189	0.05167	47529	1365	46164
324 Other CNS i	0.960952	1.556699	1.269927	0.05291	48036	59	47977
586.1 Anatomical	0.90504	1.816957	1.401136	0.053375	44665	21	44644
362.22 Macular de	0.490533	0.985285	0.708492	0.05419	45353	65	45288
789.1 Persistent v	0.925254	1.678943	1.32843	0.054476	44368	29	44339
259.2 Carcinoid sy	0.931463	1.663997	1.323824	0.055124	44814	29	44785
170 Cancer of b	0.984694	1.346734	1.165691	0.055851	48293	170	48123
527 Diseases of	0.651504	0.997063	0.812205	0.056099	47097	170	46927
573.7 Abnormal r	0.877632	1.000797	0.938029	0.056291	43668	1770	41898
701.2 Scar conditi	0.720194	0.999056	0.852531	0.056565	46003	282	45721
259 Other endo	0.666345	0.9983	0.821202	0.056824	44984	199	44785
513.31 Apnea	0.920919	1.725049	1.352106	0.057069	47551	25	47526
716 Other arthr	0.99569	1.159632	1.076732	0.05739	45577	890	44687
599.6 Oliguria and	0.926079	1.668998	1.325547	0.057759	42386	27	42359
949 Allergies, of	0.668203	0.999163	0.822577	0.057774	42939	191	42748
578.1 Hemateme	0.976821	1.415242	1.196874	0.05856	43117	131	42986
292.3 Memory lo	0.810543	1.001339	0.90311	0.059065	44408	622	43786
196 Radiotherap	0.979727	1.366697	1.174097	0.059573	45226	137	45089
727.6 Rupture of	0.767111	1.001559	0.879946	0.060559	40386	370	40016
362.7 Hereditary	0.447552	0.995112	0.680772	0.06075	45343	55	45288
705.8 Hyperhidro	0.67926	1.001635	0.830073	0.060838	44779	210	44569
70.9 Hepatitis N	0.988183	1.266333	1.126255	0.060884	41402	300	41102
741.4 Joint effusio	0.843273	1.002441	0.92092	0.061963	44288	927	43361
736.2 Acquired de	0.562368	1.000716	0.759247	0.062116	45657	99	45558
172.22 Squamous c	0.666945	1.002258	0.823969	0.063118	43598	171	43427
958.2 Traumatic a	0.970608	1.433174	1.204088	0.063332	48216	112	48104
451.2 Phlebitis an	0.975768	1.38662	1.181763	0.063781	43263	135	43128
741.3 Difficulty in	0.727814	1.003793	0.859076	0.064584	43635	274	43361
204.4 Multiple m	0.967737	1.456634	1.21401	0.064679	47223	90	47133

351 Other perip	0.865144	1.002971	0.932678	0.06472	46487	1257	45230
686.4 Pyogenic gr	0.24612	0.996081	0.51512	0.065082	43228	22	43206
347 Cataplexy a	0.371173	1.004887	0.625763	0.066696	42302	43	42259
496.3 Bronchiect	0.975174	1.37958	1.176614	0.067347	43154	144	43010
705.3 Hidradeniti	0.932894	1.602362	1.2855	0.068025	44607	38	44569
599.1 Urinary obs	0.652981	1.00594	0.817491	0.068488	42515	156	42359
202.21 Nodular lyn	0.534031	1.008761	0.743745	0.069116	47218	85	47133
592.2 Urethritis a	0.647493	1.007768	0.813943	0.069148	43809	156	43653
512.3 Abnormal c	0.365609	1.008759	0.622887	0.06916	33072	36	33036
300.1 Anxiety disc	0.91343	1.003005	0.957615	0.069603	39872	3632	36240
736 Other acqu	0.688658	1.008107	0.838481	0.070749	45770	212	45558
704.11 Alopecia Ar	0.386062	1.012762	0.640799	0.072368	46259	40	46219
358 Myoneural	0.949113	1.509036	1.237372	0.072737	46581	62	46519
750.1 Upper gastri	0.418516	1.012229	0.66571	0.072746	47471	48	47423
202 Cancer of o	0.985969	1.238017	1.109916	0.073131	47550	417	47133
580.14 Chronic glo	0.891146	1.749777	1.356247	0.073161	44667	23	44644
586.2 Cyst of kidn	0.989092	1.191845	1.089034	0.073279	45255	611	44644
172.3 Carcinoma	0.56609	1.010768	0.766646	0.073591	43518	91	43427
604 Disorders o	0.743095	1.008595	0.869813	0.074114	39097	294	38803
536 Disorders o	0.811609	1.007191	0.90627	0.074289	46438	635	45803
306 Other ment	0.978231	1.311059	1.143108	0.074364	36474	234	36240
337 Disorders o	0.626664	1.012455	0.804096	0.07586	42398	139	42259
709.7 Unspecifiec	0.892834	1.714674	1.338412	0.076058	44057	24	44033
253.3 Diabetes in	0.882487	1.756607	1.359141	0.076128	44809	24	44785
703 Diseases of	0.602086	1.012936	0.789666	0.07637	46334	115	46219
327.41 Organic or	0.677893	1.01263	0.834164	0.077284	40474	194	40280
473.1 Chronic lary	0.606124	1.012916	0.792633	0.077348	37385	111	37274
327.1 Hypersomn	0.651834	1.014046	0.81932	0.077962	40447	167	40280
575.1 Cholangitis	0.9081	1.702925	1.327199	0.077965	47167	33	47134
962.2 Insulins anc	0.242018	1.026041	0.519461	0.078031	45863	21	45842
735.1 Flat foot	0.542828	1.016665	0.753433	0.078426	45641	83	45558
578.9 Hemorrhag	0.980289	1.266075	1.121791	0.079106	43282	296	42986
279.11 Deficiency c	0.942004	1.517672	1.238925	0.079921	46931	62	46869

348.8	Encephalop	0.978247	1.28539	1.12986	0.080516	42527	268	42259
743.21	Pathologic f	0.946868	1.486885	1.223404	0.081447	47029	70	46959
770	Myalgia and	0.864912	1.007276	0.934605	0.082073	47377	1207	46170
446.9	Arteritis NC	0.926804	1.585905	1.269595	0.083004	45710	47	45663
285.21	Anemia in c	0.913295	1.638348	1.294851	0.083069	46450	32	46418
227.3	Benign neo	0.960826	1.401182	1.182158	0.083974	47855	118	47737
818.1	Subdural he	0.971134	1.330034	1.149413	0.084078	45886	195	45691
740.2	Osteoarthro	0.98425	1.206258	1.093512	0.085095	43164	459	42705
807	Fracture of	0.988413	1.155934	1.071138	0.085569	43829	951	42878
275.5	Disorders o	0.977932	1.26074	1.117754	0.086664	47361	302	47059
159.2	Malignant r	0.903394	1.650646	1.300399	0.086896	46650	31	46619
723	Other disor	0.723366	1.015743	0.861944	0.087002	42029	253	41776
350.1	Abnormal ii	0.792853	1.012439	0.898668	0.087126	46656	492	46164
401.21	Hypertensi	0.866459	1.009003	0.936249	0.09011	30645	1124	29521
454.1	Varicose ve	0.655422	1.021229	0.825037	0.090217	43285	157	43128
706.8	Other speci	0.573555	1.025121	0.777326	0.09067	44662	93	44569
300.3	Obsessive-c	0.651388	1.023675	0.822746	0.091769	36425	185	36240
743.13	Other speci	0.963691	1.349787	1.156635	0.091813	47107	148	46959
697	Sarcoidosis	0.970547	1.301335	1.134977	0.091865	44410	206	44204
731	Osteitis def	0.893457	1.647953	1.295828	0.095042	44449	26	44423
754.2	Spondylolis	0.573476	1.03217	0.779594	0.09844	47830	94	47736
189.4	Malignant r	0.960423	1.34955	1.154786	0.098551	47662	140	47522
601.3	Orchitis and	0.757922	1.018969	0.882533	0.098592	41652	344	41308
728.1	Muscular cr	0.903577	1.597424	1.270288	0.098792	40048	32	40016
743.12	Senile osteo	0.532856	1.034852	0.75514	0.099211	47034	75	46959
798.1	Chronic fati	0.658985	1.02652	0.829537	0.099668	36143	158	35985
376	Disorders o	0.901035	1.64073	1.287059	0.100052	44154	35	44119
724.2	Disorders o	0.373477	1.051499	0.64638	0.101293	41812	36	41776
334.1	Spinocereb	0.490675	1.041611	0.728877	0.101679	42319	60	42259
345.3	Convulsion:	0.988818	1.118352	1.052706	0.102027	44000	1741	42259
170.2	Cancer of c	0.95653	1.364401	1.160433	0.102393	48255	132	48123
255.11	Cushing's sy	0.883881	1.675555	1.304542	0.102798	44815	30	44785
279.1	Immunity d	0.983108	1.167665	1.074234	0.103087	47572	703	46869

215 Other benign	0.610827	1.032727	0.803263	0.103526	47362	116	47246
656 Other perin	0.89916	1.62934	1.276903	0.104835	48280	49	48231
681.7 Cellulitis an	0.972634	1.246046	1.107857	0.105998	43533	327	43206
913 Toxic effect	0.635418	1.033029	0.817904	0.106329	47083	142	46941
130.1 Lyme disea	0.244844	1.078187	0.539628	0.106571	47806	20	47786
270.38 Other speci	0.874289	1.686138	1.307994	0.106801	47315	22	47293
782.6 Pallor and f	0.531958	1.04422	0.757496	0.108596	45746	79	45667
312.3 Impulse cor	0.946988	1.406272	1.176373	0.108688	46256	133	46123
278.3 Localized ac	0.880799	1.671525	1.294877	0.114186	42817	31	42786
520.2 Disturbanc	0.704974	1.031356	0.857601	0.114703	46095	253	45842
604.3 Peyronie's c	0.646646	1.035213	0.826912	0.114954	38931	128	38803
189.12 Malignant r	0.909269	1.546491	1.237819	0.116505	47566	44	47522
994.1 Systemic in	0.935417	1.449037	1.192958	0.117188	48226	93	48133
411.3 Angina pect	0.983432	1.143761	1.062171	0.117577	42084	1054	41030
512.1 Wheezing	0.979349	1.173712	1.074964	0.117914	33728	692	33036
253 Disorders o	0.96967	1.240215	1.10319	0.118773	45144	359	44785
800.2 Fracture of	0.944344	1.385864	1.165852	0.119034	42998	120	42878
528.41 Cyst of the	0.254901	1.100236	0.555605	0.119254	46948	21	46927
202.24 Large cell ly	0.897425	1.608762	1.26414	0.119297	47177	44	47133
303.3 Psychogeni	0.4676	1.062558	0.720302	0.119871	36294	54	36240
695 Erythematc	0.826997	1.019317	0.920407	0.120396	44829	625	44204
769 Nonallopatl	0.866578	1.675862	1.297633	0.120632	48318	26	48292
528.6 Leukoplakia	0.327728	1.082553	0.620769	0.121673	46953	26	46927
754 Congenital	0.647504	1.040658	0.828689	0.121997	47879	143	47736
300 Anxiety, ph	0.991456	1.071531	1.031052	0.122735	41183	4943	36240
313 Pervasive d	0.83869	1.019336	0.926248	0.12404	47063	940	46123
752.2 Other speci	0.918865	1.501678	1.21417	0.125373	47968	74	47894
334.21 Amyotroph	0.910448	1.529215	1.224532	0.126855	42310	51	42259
396 Abnormal h	0.971784	1.210185	1.089369	0.126889	46202	417	45785
722.8 Postlamine	0.953583	1.321047	1.135677	0.12737	41942	166	41776
381.9 Otorrhea	0.55845	1.055719	0.779836	0.128082	43911	82	43829
90 Sexually tra	0.775576	1.027779	0.896355	0.128497	48189	349	47840
315.2 Speech and	0.882339	1.605497	1.260345	0.129363	46165	42	46123

270.32	Paraproteir	0.94344	1.368903	1.155404	0.130335	47407	114	47293
737	Curvature c	0.759549	1.030802	0.88879	0.131044	45897	339	45558
711	Arthropath	0.925307	1.452893	1.191477	0.131454	44772	85	44687
626.8	Infertility, f	0.278165	1.117777	0.582264	0.131664	48275	23	48252
377.1	Optic atrop	0.551883	1.05849	0.777338	0.131831	44183	64	44119
414.2	ASCVD	0.966521	1.241603	1.100998	0.132829	41365	335	41030
288.3	Eosinophili	0.938374	1.407607	1.169458	0.133071	43940	119	43821
457	Encounter f	0.972592	1.194133	1.081735	0.133925	43604	476	43128
477	Epistaxis or	0.760837	1.031077	0.890167	0.13438	37561	287	37274
720.1	Spinal stenc	0.841669	1.020736	0.928946	0.134516	42469	693	41776
430.1	Subarachnc	0.947035	1.340219	1.142666	0.134525	45120	153	44967
225.1	Benign neo	0.677631	1.043276	0.847808	0.135085	47832	170	47662
363.3	Chorioretin	0.546854	1.061056	0.775621	0.135533	45504	70	45434
241.1	Nontoxic ur	0.767636	1.030872	0.893598	0.135564	45137	323	44814
300.13	Phobia	0.828838	1.728018	1.317598	0.137048	36260	20	36240
289.4	Lymphader	0.980227	1.14154	1.059467	0.137439	44904	1083	43821
261	Vitamin def	0.903681	1.013196	0.957603	0.137774	46760	2039	44721
801	Fracture of	0.851284	1.020572	0.933805	0.139203	43778	900	42878
362.31	Separation	0.466304	1.080866	0.727459	0.14119	45336	48	45288
368.2	Diplopia an	0.752252	1.035097	0.886978	0.141653	46516	278	46238
596	Other disor	0.972424	1.1824	1.075911	0.142867	47209	530	46679
737.3	Kyphoscolic	0.731271	1.039529	0.876863	0.144214	45817	259	45558
251.1	Hypoglycen	0.683165	1.04672	0.852597	0.144569	37865	171	37694
358.1	Myasthenia	0.893932	1.535015	1.224108	0.145306	46566	47	46519
711.1	Pyogenic ar	0.86487	1.629123	1.264742	0.149371	44723	36	44687
323.8	Encephaliti	0.89634	1.526742	1.218376	0.150443	48032	55	47977
520	Disorders o	0.720732	1.04429	0.872575	0.151027	46102	260	45842
350.6	Disturbanc	0.527375	1.078421	0.769228	0.153401	46229	65	46164
199	Neoplasm c	0.876336	1.019387	0.946426	0.153701	46287	1198	45089
990	Effects radi	0.923312	1.406899	1.165093	0.157834	48051	91	47960
527.7	Disturbanc	0.543038	1.078494	0.78022	0.159236	46993	66	46927
378.1	Strabismus	0.664067	1.05811	0.846277	0.161797	44264	145	44119
703.1	Ingrowing r	0.7197	1.047513	0.874267	0.161867	46425	206	46219

728.2 Laxity of lig	0.358374	1.12959	0.66077	0.162	40045	29	40016
227 Benign neo	0.952544	1.264281	1.106522	0.16261	47982	245	47737
117 Mycoses	0.934637	1.34606	1.139446	0.163402	45201	133	45068
250.11 Type 1 diab	0.556701	1.084232	0.788724	0.166173	40014	84	39930
695.8 Other speci	0.872059	1.56412	1.230604	0.167539	44245	41	44204
519.2 Respiratory	0.880977	1.53708	1.218321	0.168894	46655	47	46608
295.2 Paranoid di	0.705041	1.053562	0.868112	0.169069	36440	200	36240
363 Chorioretin	0.689047	1.055666	0.86093	0.170576	45583	149	45434
250.24 Type 2 diab	0.968756	1.17077	1.068443	0.171024	40483	553	39930
454.11 Varicose ve	0.661524	1.063505	0.847438	0.173594	43261	133	43128
803.21 Colles' fract	0.573685	1.082474	0.801259	0.174278	42959	81	42878
550.5 Ventral her	0.706852	1.054446	0.870151	0.174278	45146	179	44967
817 Concussion	0.966058	1.183756	1.072863	0.175538	46315	624	45691
733.6 Costochonc	0.483257	1.110485	0.748991	0.177142	44476	53	44423
557.1 Celiac disea	0.541828	1.09483	0.784429	0.179119	41029	72	40957
872 Traumatic a	0.634353	1.072034	0.834768	0.179695	43381	111	43270
225 Benign neo	0.701747	1.058463	0.86875	0.181214	47845	183	47662
429.9 Cardiac con	0.917049	1.401257	1.156792	0.182081	44527	108	44419
473.3 Paralysis/sp	0.619291	1.074868	0.827929	0.182121	37368	94	37274
561 Symptoms	0.737677	1.05132	0.886299	0.183097	41190	233	40957
323 Encephaliti	0.901286	1.451604	1.177537	0.183737	48055	78	47977
362.21 Macular de	0.643302	1.069591	0.841131	0.184435	45389	101	45288
733.4 Aseptic nec	0.913496	1.400444	1.156776	0.18528	44518	95	44423
264.1 Short statu	0.451882	1.138907	0.73099	0.187394	44778	57	44721
735.3 Hallux valg	0.65521	1.070677	0.847259	0.187973	45671	113	45558
456 Chronic ver	0.93271	1.319425	1.124128	0.18851	43277	149	43128
250.22 Type 2 diab	0.954452	1.219908	1.085545	0.190666	40226	296	39930
599.8 Other symp	0.572253	1.090477	0.805351	0.191478	42427	68	42359
596.5 Functional	0.943515	1.269697	1.104433	0.191489	46896	217	46679
733.2 Cyst of bon	0.532573	1.104204	0.782829	0.191547	44486	63	44423
655 Known or s	0.285478	1.197815	0.615901	0.19167	48299	20	48279
772.6 Facial weak	0.652763	1.073491	0.84689	0.19263	45938	119	45819
264 Lack of nori	0.91687	1.385718	1.146652	0.196828	44878	157	44721

759 Other and t	0.948738	1.24348	1.093183	0.198108	47504	295	47209
352 Disorders o	0.788855	1.044914	0.911828	0.199015	45591	361	45230
597.1 Urethral str	0.927312	1.327471	1.12537	0.199447	46818	139	46679
342 Hemiplegia	0.950035	1.233751	1.08939	0.200147	42566	307	42259
962 Poisoning b	0.88824	1.472125	1.179859	0.20512	45914	72	45842
250.6 Polyneurop	0.955739	1.199879	1.076242	0.206255	40302	372	39930
229 Benign neo	0.488322	1.127819	0.761799	0.207028	48278	46	48232
772 Symptoms	0.929364	1.309211	1.117071	0.208129	45989	170	45819
599.7 Urethral dis	0.531573	1.116579	0.786405	0.208949	42411	52	42359
333.3 Tics and ch	0.803368	1.716653	1.278281	0.209617	42285	26	42259
368.91 Psychophys	0.87239	1.510524	1.193869	0.211034	46292	54	46238
590 Pyelonephr	0.871701	1.500998	1.191491	0.211403	43703	50	43653
458.1 Orthostatic	0.934863	1.284688	1.107142	0.211557	47052	194	46858
286.12 Congenital	0.797706	1.742866	1.288463	0.212706	45275	25	45250
443.8 Other speci	0.875636	1.487186	1.185093	0.213098	45716	53	45663
327.5 Parasomnia	0.626797	1.09133	0.838495	0.215368	40376	96	40280
742.2 Pathologica	0.885426	1.476039	1.176511	0.217604	43439	78	43361
199.4 Neurofibroi	0.77744	1.733397	1.287902	0.220082	45110	21	45089
752 Nervous sy	0.903759	1.396456	1.147158	0.220977	48009	115	47894
356 Hereditary	0.96899	1.133371	1.05005	0.222103	47415	896	46519
592 Cystitis and	0.778686	1.053118	0.910054	0.22221	43941	288	43653
242.2 Toxic multi	0.858243	1.531955	1.200434	0.222455	44857	43	44814
612 Breast conc	0.678151	1.080245	0.864558	0.222533	47994	136	47858
612.2 Hypertroph	0.678151	1.080245	0.864558	0.222533	47994	136	47858
457.2 Encounter f	0.857902	1.525555	1.19844	0.222749	43172	44	43128
721.8 Other alliec	0.560492	1.114191	0.806807	0.224306	41837	61	41776
526.3 Anomalies	0.507018	1.137487	0.776576	0.224643	45898	56	45842
420.1 Myocarditis	0.407836	1.18239	0.71664	0.224899	46890	35	46855
803 Fracture of	0.881216	1.028437	0.953299	0.225242	44121	1243	42878
211 Benign neo	0.747575	1.06301	0.897315	0.2291	47433	231	47202
362.27 Drusen (de)	0.583727	1.106953	0.820458	0.229108	45355	67	45288
536.3 Gastropare	0.858288	1.52097	1.194813	0.229281	45851	48	45803
246 Other disor	0.733585	1.066934	0.891122	0.229291	45016	202	44814

977 Personal hi	0.309404	1.236282	0.653551	0.236158	45863	21	45842
187.8 Neoplasm c	0.397625	1.184653	0.715934	0.236735	46634	29	46605
526 Diseases of	0.779957	1.057044	0.912391	0.23831	46159	317	45842
303.4 Somatoforr	0.903645	1.373264	1.135498	0.238342	36365	125	36240
369.2 Eye infectic	0.59497	1.111938	0.827781	0.239446	43174	76	43098
724.1 Disorders o	0.459313	1.16124	0.754819	0.240088	41815	39	41776
313.3 Autism	0.888794	1.426971	1.153592	0.241508	46238	115	46123
117.1 Histoplasm	0.886393	1.416382	1.151855	0.241846	45142	74	45068
574.2 Calculus of	0.872135	1.471607	1.170952	0.243143	47198	64	47134
876 Posttrauma	0.804183	1.637166	1.239285	0.243153	43300	30	43270
381.3 Mastoiditis	0.853306	1.514317	1.188569	0.244163	43877	48	43829
293.1 Swelling, m	0.862513	1.036317	0.94731	0.248233	47437	805	46632
980 Encounter f	0.916235	1.320899	1.114478	0.248571	48213	166	48047
355.1 Chronic pai	0.928779	1.269352	1.096695	0.248967	45439	209	45230
727.2 Bursitis disc	0.578039	1.121058	0.821997	0.250133	40081	65	40016
560.3 Peritoneal c	0.798521	1.635828	1.236586	0.251453	40983	26	40957
522 Diseases of	0.908799	1.336644	1.12028	0.2521	45978	136	45842
859 Complicatic	0.923414	1.288533	1.102564	0.252844	46974	184	46790
440.1 Atheroscler	0.885108	1.410665	1.147109	0.252882	45738	75	45663
270.2 Disorders o	0.323785	1.247319	0.670228	0.253203	47313	20	47293
277.51 Lipoprotein	0.441171	1.179645	0.748132	0.253751	47431	36	47395
362.29 Macular de	0.679297	1.089276	0.871274	0.254852	45401	113	45288
202.2 Non-Hodgk	0.944845	1.210695	1.074844	0.255052	47507	374	47133
681.3 Cellulitis an	0.799521	1.055339	0.922447	0.255456	43580	374	43206
574.3 Cholecystiti	0.912696	1.319596	1.112877	0.258787	47283	149	47134
250.14 Type 1 diab	0.651446	1.101388	0.858789	0.25889	40036	106	39930
379.9 Pain, swelli	0.727042	1.079017	0.892706	0.261608	44299	180	44119
272.9 Unspecifec	0.602997	1.118511	0.83681	0.26183	31829	72	31757
528.5 Diseases of	0.503741	1.161031	0.786173	0.264014	46971	44	46927
275.1 Disorders o	0.93143	1.248153	1.08707	0.265461	47313	254	47059
246.7 Abnormal r	0.690942	1.09235	0.877572	0.265902	44959	145	44814
253.2 Pituitary hy	0.863395	1.46151	1.163208	0.266586	44850	65	44785
531.1 Hemorrhag	0.774942	1.675621	1.246562	0.268569	47358	21	47337



613 Other nonn	0.504297	1.162674	0.788324	0.269763	48277	44	48233
528.4 Cysts of ora	0.337878	1.255902	0.687134	0.270891	46950	23	46927
304 Adjustment	0.858338	1.040917	0.947241	0.271143	37029	789	36240
292 Neurologic	0.976892	1.083165	1.029404	0.271397	46117	2331	43786
531.2 Gastric ulce	0.886781	1.386589	1.134823	0.272184	47428	91	47337
202.22 Reticulosar	0.861765	1.470347	1.163894	0.272988	47197	64	47133
153.3 Malignant r	0.928051	1.251896	1.087485	0.274193	43065	221	42844
334 Degenerati	0.934198	1.232129	1.080183	0.276164	42540	281	42259
292.11 Aphasia	0.919725	1.271721	1.093286	0.283087	43973	187	43786
562.2 Diverticuliti	0.799125	1.061046	0.92518	0.283377	41293	336	40957
535.1 Acute gastr	0.643832	1.117372	0.860278	0.287689	45903	100	45803
426.21 First degree	0.883738	1.38293	1.130382	0.288345	38869	94	38775
705 Disorders o	0.893356	1.349622	1.119032	0.289401	44673	104	44569
696.41 Psoriasis vu	0.950139	1.168022	1.057281	0.291081	43907	542	43365
333 Extrapynam	0.848517	1.046809	0.945019	0.291801	42864	605	42259
364.51 Fuchs' dysti	0.506684	1.172402	0.796689	0.294166	45473	39	45434
149.4 Cancer of la	0.926792	1.241634	1.0815	0.295238	47922	228	47694
172.11 Melanomas	0.83292	1.052425	0.939417	0.295698	43902	475	43427
574.11 Cholelithias	0.554939	1.16003	0.82052	0.297401	47195	61	47134
729 Other disor	0.663772	1.113574	0.871691	0.3014	40124	108	40016
149.5 Hx of malig	0.618249	1.13392	0.852579	0.306404	47773	79	47694
352.1 Trigeminal	0.734606	1.089103	0.902035	0.306732	45413	183	45230
743.1 Osteoporos	0.940555	1.188596	1.062532	0.310668	47340	381	46959
756.21 Pectus exca	0.385196	1.271969	0.73182	0.313528	47765	29	47736
41.9 Infection w	0.86891	1.413819	1.134807	0.314431	47253	94	47159
426.25 Other heart	0.777147	1.624439	1.213349	0.314509	38802	27	38775
527.2 Sialoadeniti	0.634774	1.131197	0.86167	0.316076	47012	85	46927
907 Injuries to t	0.784679	1.073696	0.922794	0.316559	48160	293	47867
401.2 Hypertensin	0.969084	1.097618	1.032263	0.317446	31042	1521	29521
447.7 Aortic ectas	0.928479	1.219983	1.071668	0.321798	45937	274	45663
750.2 Lower gastr	0.606719	1.147617	0.850166	0.322334	47499	76	47423
388 Other disor	0.800661	1.556302	1.186113	0.322363	44257	34	44223
284 Aplastic anc	0.820307	1.541437	1.176148	0.323669	46467	49	46418

338.1 Acute pain	0.963258	1.11267	1.036899	0.324943	46490	1171	45319
611 Abnormal f	0.667326	1.1219	0.877012	0.325138	47964	106	47858
550.6 Incisional h	0.909073	1.277606	1.089546	0.325381	45139	172	44967
803.2 Fracture of	0.841255	1.054868	0.94482	0.326247	43457	579	42878
698 Pruritus an	0.78723	1.075185	0.9251	0.328951	47855	281	47574
132 Infestation	0.803545	1.549006	1.177334	0.338224	47826	40	47786
749 Congenital	0.563197	1.180414	0.833494	0.339717	48219	65	48154
603.2 Spermatoce	0.687266	1.117988	0.887754	0.340492	38922	119	38803
245.21 Chronic lym	0.650569	1.135782	0.872455	0.340576	44913	99	44814
250.5 Glycosuria c	0.803186	1.529899	1.173036	0.340629	39970	40	39930
526.9 Jaw disease	0.838923	1.452563	1.144988	0.341291	45901	59	45842
429.3 Symptoms i	0.934242	1.195553	1.061703	0.342433	44809	390	44419
286.1 Congenital	0.856564	1.431818	1.134103	0.343682	45341	91	45250
287.4 Qualitative	0.709628	1.773766	1.256012	0.3455	45270	20	45250
255.1 Adrenal hyp	0.881028	1.338842	1.106861	0.34594	44892	107	44785
364.4 Corneal deg	0.681202	1.123432	0.886165	0.346764	45544	110	45434
362.23 Cystoid ma	0.710789	1.11007	0.898618	0.349819	45417	129	45288
701.1 Keratoderm	0.691184	1.119354	0.891059	0.351106	45833	112	45721
450 Noninfectic	0.868578	1.367966	1.115317	0.35116	48290	89	48201
300.4 Dysthymic c	0.935078	1.185991	1.058097	0.352892	36668	428	36240
739 Contracture	0.706034	1.114933	0.896932	0.353302	45693	135	45558
372 Disorders o	0.777887	1.084057	0.924414	0.354764	43321	223	43098
425.12 Other hype	0.823881	1.490272	1.152955	0.354851	46906	51	46855
418.1 Precordial p	0.824903	1.066202	0.941457	0.357684	35314	393	34921
519.8 Other disea	0.729285	1.671191	1.219435	0.359617	46630	22	46608
589 Abnormal r	0.583794	1.178541	0.84802	0.362531	44700	56	44644
383 Otosclerosi	0.417108	1.277317	0.768313	0.365419	43855	26	43829
364.2 Corneal ede	0.551834	1.193536	0.835351	0.366571	45482	48	45434
278.4 Abnormal v	0.939538	1.16668	1.050806	0.37047	43304	518	42786
530.14 Reflux esop	0.81284	1.073915	0.938313	0.371183	39589	365	39224
781 Symptoms i	0.894481	1.285453	1.086018	0.375632	47634	163	47471
724.8 Other symp	0.644197	1.151892	0.876238	0.376555	41864	88	41776
384 Other disor	0.72968	1.111607	0.909241	0.37792	43994	165	43829

601.4	Balanopost	0.616965	1.166103	0.865518	0.378249	41376	68	41308
245.1	Thyroiditis,	0.363943	1.333121	0.742046	0.378839	44834	20	44814
385.5	Tympanosc	0.834452	1.431201	1.130243	0.380755	43892	63	43829
781.1	Loss of heig	0.787777	1.543175	1.165918	0.381612	47512	41	47471
202.23	Lymphosari	0.838693	1.429529	1.127759	0.38431	47203	70	47133
264.3	Delayed mi	0.383057	1.344241	0.751952	0.385968	44749	28	44721
741.5	Hemarthro:	0.441004	1.281187	0.786856	0.386692	43389	28	43361
599.2	Retention c	0.85934	1.056351	0.955443	0.387309	42940	581	42359
250.3	Insulin pum	0.860601	1.055998	0.955852	0.387692	40559	629	39930
495.2	Asthma wit	0.932812	1.178223	1.052913	0.387743	43431	421	43010
112.3	Candidiasis	0.524553	1.221571	0.828422	0.389781	45110	42	45068
277.5	Other disor	0.857137	1.367041	1.107933	0.394676	47487	92	47395
426.22	Mobitz II A\	0.775251	1.561371	1.168417	0.394873	38807	32	38775
695.7	Prurigo and	0.685547	1.137583	0.895922	0.398229	44305	101	44204
597.2	Urinary con	0.594619	1.187103	0.8608	0.400429	46739	60	46679
253.5	Pituitary dv	0.781782	1.576303	1.165737	0.402506	44839	54	44785
370.2	Superficial l	0.472317	1.261506	0.808528	0.404153	43125	27	43098
242	Thyrotoxicc	0.924616	1.192128	1.055628	0.404967	45163	349	44814
252.2	Hypoparath	0.441947	1.287252	0.793681	0.406759	44813	28	44785
580.12	Non-prolife	0.453368	1.294287	0.798176	0.40777	44674	30	44644
575.6	Cholesterol	0.811157	1.47765	1.13744	0.407888	47190	56	47134
594.2	Calculus of	0.875577	1.314387	1.089558	0.410833	45841	120	45721
242.3	Exophthalrn	0.819075	1.445255	1.128414	0.412261	44871	57	44814
742.1	Loose body	0.534759	1.233021	0.838195	0.41377	43405	44	43361
722.7	Interverteb	0.725265	1.123166	0.912441	0.413848	41914	138	41776
790	Nonspecific	0.712629	1.130659	0.907835	0.41421	45355	129	45226
738	Other acqu	0.833924	1.072111	0.949223	0.417064	45979	421	45558
264.9	Lack of nori	0.816543	1.461959	1.130447	0.417607	44801	80	44721
384.4	Perforation	0.716435	1.129923	0.909886	0.419175	43970	141	43829
574.12	Cholelithias	0.905017	1.236275	1.066693	0.419212	47367	233	47134
275.53	Disorders o	0.762447	1.561788	1.163187	0.419517	47091	32	47059
748	Anomalies (	0.748447	1.585601	1.17028	0.423138	48185	31	48154
531.4	Peptic ulcer	0.888862	1.271477	1.076269	0.423798	47494	157	47337

573.9 Abnormal s	0.922438	1.190602	1.053529	0.424551	42265	367	41898
53 Herpes zost	0.79383	1.092138	0.936962	0.42518	41354	252	41102
255.13 Medulloadr	0.43489	1.305016	0.796097	0.426433	44809	24	44785
480.5 Bronchopni	0.728307	1.623613	1.181399	0.427933	42169	25	42144
611.3 Lump or ma	0.679697	1.151996	0.89818	0.428364	47957	99	47858
353 Nerve root	0.776616	1.102169	0.932089	0.432742	45446	216	45230
362.9 Retinal ede	0.709516	1.136554	0.909736	0.434193	45404	116	45288
695.2 Bullous der	0.738641	1.585362	1.168111	0.435464	44229	25	44204
250.12 Type 1 diab	0.585538	1.210428	0.864113	0.43646	39989	59	39930
253.4 Anterior pit	0.889819	1.262087	1.072074	0.437834	44962	177	44785
528.3 Cellulitis an	0.809107	1.44543	1.123996	0.43802	46983	56	46927
860 Bone marrc	0.82545	1.414488	1.112983	0.443052	48323	77	48246
374.2 Lagophthal	0.416347	1.332524	0.792646	0.44358	43120	22	43098
512.2 Painful resp	0.939442	1.143902	1.039274	0.443785	33697	661	33036
732 Osteochon	0.667769	1.166198	0.896437	0.446088	44519	96	44423
743 Osteoporos	0.953049	1.109041	1.029892	0.446578	47974	1015	46959
377 Disorders o	0.776751	1.106057	0.933666	0.44814	44324	205	44119
701.5 Abnormal g	0.610971	1.19958	0.876566	0.449261	45784	63	45721
433.8 Late effects	0.931182	1.159324	1.043172	0.450401	45405	438	44967
530.12 Ulcer of esc	0.791991	1.480835	1.130402	0.450445	39269	45	39224
726.2 Synoviopat	0.668377	1.163684	0.897946	0.450627	40102	86	40016
362.3 Other nond	0.753133	1.118552	0.926679	0.452604	45446	158	45288
259.3 Delay in se	0.680527	1.715221	1.200102	0.45295	44811	26	44785
465.4 Acute laryn	0.560404	1.233416	0.858062	0.453355	36998	46	36952
281 Other defic	0.890489	1.25471	1.067816	0.455548	46600	182	46418
259.1 Nonspecific	0.72508	1.135474	0.917809	0.456196	44926	141	44785
290.11 Alzheimer's	0.736005	1.127893	0.92179	0.456648	43918	132	43786
333.8 Other dege	0.580783	1.219869	0.86765	0.458977	42307	48	42259
315.1 Learning di	0.701285	1.651102	1.181361	0.459204	46151	28	46123
389.3 Degenerati	0.5204	1.256617	0.844719	0.461168	44257	34	44223
911 Blister	0.404115	1.363277	0.792092	0.465241	48312	20	48292
803.1 Fracture of	0.893642	1.240104	1.06298	0.467352	43091	213	42878
686 Other local	0.845723	1.074654	0.956691	0.469654	43688	482	43206

366.3 Traumatic c	0.415391	1.366316	0.799399	0.472647	45015	24	44991
370.1 Corneal ulc	0.614413	1.209334	0.882168	0.473058	43163	65	43098
275.11 Hereditary	0.869784	1.292485	1.075532	0.474409	47202	143	47059
251 Other disor	0.656643	1.181245	0.897835	0.476078	44867	82	44785
379.1 Scleritis anc	0.688382	1.163238	0.908519	0.476606	44217	98	44119
352.2 Facial nerv	0.750795	1.127078	0.928762	0.477979	45399	169	45230
385 Other disor	0.878699	1.269011	1.06911	0.479012	43992	163	43829
535.6 Duodenitis	0.847757	1.338309	1.086892	0.479198	45906	103	45803
526.42 Arthralgia/i	0.420649	1.360646	0.804513	0.479322	45865	23	45842
756.2 Pectus and	0.536494	1.271851	0.854003	0.480794	47782	46	47736
346.2 Nonspecific	0.480006	1.314223	0.831358	0.480969	42290	31	42259
855 Complicatic	0.875708	1.277254	1.070505	0.481917	46956	166	46790
401.3 Other hype	0.937248	1.136826	1.035173	0.483037	30095	574	29521
756 Other cong	0.67436	1.176255	0.904651	0.483767	47839	103	47736
290.3 Other persi	0.912859	1.189115	1.048307	0.485531	44087	301	43786
599.4 Urinary inc	0.845654	1.076505	0.957893	0.48556	42759	400	42359
794 Abnormal r	0.743077	1.543554	1.141751	0.488018	48271	33	48238
350.3 Lack of coo	0.848421	1.076509	0.959048	0.49192	46626	462	46164
244 Hypothyroi	0.962663	1.07914	1.020151	0.493625	46730	1916	44814
378.2 Nystagmus	0.77983	1.475557	1.120222	0.49377	44166	47	44119
71 Human imn	0.957378	1.090682	1.022992	0.494366	42559	1457	41102
457.3 Encounter f	0.92429	1.16213	1.040803	0.494406	43540	412	43128
604.1 Redundant	0.807538	1.408527	1.102404	0.498691	38861	58	38803
368.3 Anisometrc	0.421836	1.37038	0.812188	0.500052	46258	20	46238
130 Spirochetal	0.710322	1.622267	1.156913	0.500117	47814	28	47786
871.4 Open woun	0.566141	1.256571	0.870707	0.503494	43319	49	43270
963 Poisoning b	0.838928	1.346727	1.084566	0.506215	45945	103	45842
732.7 Osteochon	0.53561	1.282999	0.859985	0.506513	44463	40	44423
802 Fracture of	0.881818	1.249015	1.061017	0.507447	43071	193	42878
378 Strabismus	0.808408	1.101817	0.949141	0.509922	44402	283	44119
742.8 Articular ca	0.672144	1.185126	0.908504	0.510577	43449	88	43361
751.1 Congenital	0.667948	1.19095	0.906812	0.511096	47521	98	47423
425.11 Hypertroph	0.840827	1.338186	1.081416	0.513422	46954	99	46855

735.21 Hammer to	0.726518	1.149648	0.925968	0.513859	45674	116	45558
910 Superficial i	0.417726	1.384702	0.815154	0.516243	48301	21	48280
244.2 Acquired hy	0.839639	1.333003	1.080094	0.518007	44912	98	44814
724.9 Other unsp	0.682964	1.179811	0.913179	0.518332	41867	91	41776
274.2 Crystal arth	0.707654	1.163883	0.920909	0.519188	46470	103	46367
952 Spinal cord	0.583256	1.254017	0.88014	0.519722	48301	54	48247
963.1 Antineoplas	0.631932	1.218795	0.897043	0.521188	45914	72	45842
522.5 Periapical a	0.848807	1.312391	1.07465	0.521576	45960	118	45842
229.1 Benign neo	0.488004	1.325165	0.846152	0.521688	48261	29	48232
686.2 Impetigo	0.800957	1.408964	1.098207	0.522599	43271	65	43206
241 Nontoxic ne	0.8627	1.073311	0.965214	0.525789	45339	525	44814
715.3 Spinal enth	0.662149	1.647163	1.163527	0.527763	44635	20	44615
530.9 Heartburn	0.750695	1.141085	0.93458	0.528531	39386	162	39224
789 Nausea anc	0.963286	1.073014	1.017419	0.530424	46732	2393	44339
245 Thyroiditis	0.772583	1.127093	0.941091	0.530448	45008	194	44814
514.1 Abnormal r	0.46417	1.349721	0.840028	0.532746	46949	24	46925
961.1 Poisoning/c	0.74813	1.503675	1.118199	0.540467	45882	40	45842
136 Other infec	0.864704	1.27213	1.062018	0.543825	47941	155	47786
253.11 Acromegaly	0.655333	1.653466	1.159007	0.547096	44805	20	44785
145 Cancer of n	0.740704	1.150943	0.934449	0.548866	47828	134	47694
41.8 H. pylori	0.683314	1.192625	0.917805	0.549392	47247	88	47159
801.1 Fracture of	0.84348	1.08834	0.962012	0.552306	43309	431	42878
695.9 Unspecifiec	0.770095	1.449789	1.102461	0.554155	44255	51	44204
772.3 Muscle wea	0.872173	1.071665	0.969482	0.555857	46417	598	45819
752.1 Neural tube	0.727119	1.544381	1.123584	0.556596	47935	41	47894
732.1 Juvenile ost	0.588882	1.265103	0.889912	0.556757	44473	50	44423
241.2 Nontoxic m	0.904034	1.183968	1.040879	0.561612	45108	294	44814
586.4 Stricture/ol	0.768834	1.138799	0.943722	0.565054	44833	189	44644
946 Anaphylact	0.761832	1.141907	0.942254	0.566684	42904	156	42748
783 Fever of un	0.932373	1.038008	0.984457	0.567327	46921	2427	44494
691 Congenital	0.678447	1.199415	0.919499	0.56754	44288	84	44204
331.9 Cerebral de	0.879101	1.230901	1.050486	0.567751	42433	174	42259
149 Cancer of la	0.90454	1.178021	1.038234	0.578631	48004	310	47694

530.6	Diverticulur	0.468785	1.382229	0.855672	0.581807	39248	24	39224
429.2	Abnormal f	0.874064	1.074487	0.971448	0.582705	45049	630	44419
498	Acute bron	0.771256	1.432855	1.09223	0.583867	43061	51	43010
871.3	Open woun	0.84425	1.292499	1.061865	0.584185	43399	129	43270
281.12	Other vitan	0.752318	1.156682	0.943028	0.594966	46560	142	46418
348.4	Cerebral cy	0.650138	1.237164	0.916189	0.597816	42336	77	42259
79.9	Viremia, NC	0.434859	1.417863	0.847085	0.598152	41122	20	41102
800.4	Fracture of	0.757157	1.154426	0.94506	0.601673	43037	159	42878
426.7	Abnormal e	0.883286	1.070939	0.974711	0.60262	39491	716	38775
800.1	Fracture of	0.842525	1.286841	1.058403	0.602711	43005	127	42878
420.22	Chronic per	0.701999	1.540995	1.111575	0.608496	46886	31	46855
70.4	Chronic hej	0.86584	1.240259	1.048092	0.610699	41271	169	41102
426.31	Right bundl	0.871942	1.231296	1.045995	0.611476	38971	196	38775
364.1	Corneal opa	0.721284	1.181764	0.937693	0.612326	45536	102	45434
426.4	Anomalous	0.697508	1.206595	0.931387	0.614197	38879	104	38775
333.2	Myoclonus	0.774076	1.414428	1.081784	0.614952	42320	61	42259
529	Diseases an	0.675953	1.217443	0.926724	0.616031	47003	76	46927
420.21	Acute peric	0.619375	1.274206	0.911853	0.620782	46913	58	46855
194	Cancer of o	0.686615	1.545281	1.11057	0.622546	47763	26	47737
275.6	Hypercalce	0.869502	1.229389	1.044674	0.622638	47236	177	47059
751.3	Obstructive	0.567877	1.31857	0.898328	0.624698	47467	44	47423
204.11	Lymphoid li	0.755828	1.455855	1.08688	0.625697	47191	58	47133
687	Symptoms :	0.427785	1.453701	0.854446	0.626213	41589	20	41569
971	Poisoning b	0.438012	1.449535	0.857231	0.626277	45863	21	45842
809	Fracture of	0.892497	1.067382	0.978022	0.626766	43759	881	42878
375.2	Epiphora	0.627811	1.260171	0.916364	0.627057	44165	46	44119
733	Other disor	0.775302	1.147948	0.95234	0.627456	44602	179	44423
981	Toxic effect	0.632332	1.629535	1.127887	0.632808	48037	20	48017
713.5	Arthropath	0.500931	1.371356	0.881606	0.633826	44713	26	44687
287.1	Spontaneou	0.594704	1.301691	0.908669	0.63736	45299	49	45250
250.21	Type 2 diab	0.530068	1.359176	0.892191	0.644203	39963	33	39930
223	Benign neo	0.755646	1.415458	1.077833	0.645374	42025	45	41980
386.3	Labyrinthiti	0.655249	1.247219	0.926514	0.64582	44120	65	44055

290.12 Dementia v	0.613954	1.275094	0.916727	0.646567	43832	46	43786
306.9 Tension hea	0.731399	1.465624	1.086675	0.647436	36284	44	36240
366.1 Nonsenile C	0.536683	1.354086	0.896286	0.65028	45019	28	44991
375 Disorders o	0.834324	1.279605	1.050919	0.651341	44220	101	44119
755 Congenital	0.827633	1.294455	1.053386	0.651786	47848	112	47736
753 Congenital	0.559376	1.337729	0.902946	0.653493	47932	38	47894
550.2 Diaphragm	0.93811	1.101921	1.018604	0.65368	45886	919	44967
378.5 Paralytic str	0.692538	1.220376	0.93743	0.657862	44200	81	44119
613.5 Mastodyn	0.467604	1.423487	0.87846	0.659161	48255	22	48233
270.1 Disturbanc	0.438833	1.468154	0.868292	0.659876	47314	21	47293
357 Inflammato	0.890656	1.180545	1.032184	0.660505	46801	282	46519
526.5 Inflammato	0.691704	1.518837	1.09516	0.661114	45874	32	45842
754.1 Lumbosacr	0.500746	1.406501	0.887923	0.661557	47766	30	47736
443.1 Raynaud's s	0.667114	1.244967	0.932215	0.663055	45737	74	45663
592.11 Acute cystit	0.690476	1.510952	1.093333	0.66391	43681	28	43653
427.61 Supraventri	0.683242	1.231634	0.936195	0.664479	38852	77	38775
257 Testicular d	0.925104	1.049288	0.986257	0.666852	46443	1658	44785
531.3 Duodenal u	0.691319	1.226241	0.939476	0.6726	47417	80	47337
346 Abnormal f	0.559595	1.351848	0.908199	0.675163	42296	37	42259
442.8 Aneurysm c	0.721886	1.459278	1.078509	0.681173	45702	39	45663
346.3 Nonspecific	0.541958	1.377086	0.90647	0.686767	42293	34	42259
433.31 Transient c	0.935428	1.100747	1.016697	0.69022	45832	865	44967
751.2 Congenital	0.896829	1.16317	1.026774	0.691247	47774	351	47423
257.1 Testicular h	0.925311	1.051073	0.987237	0.692869	46396	1611	44785
187.1 Malignant r	0.642012	1.569827	1.097427	0.693021	46626	21	46605
530.13 Barrett's es	0.86789	1.211244	1.034174	0.693888	39428	204	39224
755.6 Other cong	0.661877	1.545426	1.091711	0.695535	47762	26	47736
274.21 Chondrocal	0.728534	1.202104	0.951181	0.697574	46464	97	46367
71.1 HIV infectic	0.946886	1.081072	1.012898	0.704722	42529	1427	41102
227.2 Benign neo	0.703447	1.46999	1.075035	0.707475	47772	35	47737
751.22 Other speci	0.750952	1.403135	1.062851	0.707685	47484	61	47423
983 Toxic effect	0.744352	1.410955	1.064067	0.709441	48072	55	48017
429 Ill-defined c	0.938937	1.093089	1.01454	0.709875	45538	1119	44419



803.3 Fracture of	0.849315	1.109649	0.975256	0.714088	43278	400	42878
558 Noninfectic	0.89007	1.07886	0.982222	0.715053	41703	746	40957
681 Superficial	0.938539	1.043444	0.990299	0.718435	45567	2361	43206
145.2 Cancer of t	0.669735	1.261769	0.943845	0.724127	47758	64	47694
368.4 Visual field	0.785498	1.163763	0.965532	0.727758	46408	170	46238
244.4 Hypothyroi	0.950265	1.07302	1.010795	0.729109	46526	1712	44814
226 Benign neo	0.68448	1.250261	0.947649	0.729675	47806	69	47737
752.11 Spina bifida	0.591191	1.696242	1.102425	0.730865	47919	25	47894
782 Symptoms	0.762189	1.370205	1.053155	0.733399	45734	67	45667
579 Other symp	0.934306	1.096005	1.013787	0.736888	43965	979	42986
535.8 Other speci	0.853368	1.110337	0.977777	0.738463	46183	380	45803
596.1 Bladder nec	0.773281	1.175343	0.964867	0.7391	46811	132	46679
269 Proteinuria	0.906406	1.13801	1.019498	0.739922	47754	461	47293
577.3 Cyst and ps	0.765747	1.355267	1.050111	0.740852	47900	63	47837
252 Disorders o	0.794769	1.157761	0.968732	0.741939	44959	174	44785
277 Other disor	0.751422	1.384998	1.053613	0.742376	47460	65	47395
290.1 Dementias	0.851008	1.112273	0.977769	0.742477	44103	317	43786
368.9 Subjective \	0.840931	1.121033	0.976196	0.743209	46538	300	46238
528.12 Oral aphtha	0.597115	1.345961	0.933423	0.745162	46969	42	46927
743.4 Stress fract	0.74362	1.392066	1.05443	0.745478	47017	58	46959
743.2 Pathologic	0.8008	1.15474	0.970188	0.747038	47158	199	46959
743.11 Osteoporos	0.88121	1.173661	1.023824	0.748166	47226	267	46959
716.2 Unspecifiec	0.497483	1.446479	0.914294	0.75163	44707	20	44687
90.2 Gonococcal	0.738104	1.390571	1.053049	0.753982	47889	49	47840
374.1 Ectropion o	0.722811	1.223563	0.958703	0.755098	43177	79	43098
591 Urinary trac	0.923459	1.05746	0.989399	0.757939	44976	1323	43653
499 Cystic fibro:	0.69855	1.478773	1.061531	0.76117	48326	52	48274
355 Complex re	0.757534	1.196274	0.965347	0.763998	45356	126	45230
531 Peptic ulcer	0.898885	1.143829	1.018525	0.76578	47735	398	47337
367.9 Blindness a	0.864717	1.194885	1.02499	0.765836	45812	214	45598
364.9 Cornea repl	0.645387	1.528071	1.06988	0.766292	45459	25	45434
556 Ulceration	0.715696	1.237161	0.959393	0.768971	41048	91	40957
277.7 Dysmetabo	0.826063	1.139097	0.976881	0.77618	47636	241	47395

433.6 Acute, but i	0.907576	1.128489	1.015705	0.779562	45449	482	44967
384.1 Myringitis	0.521482	1.440378	0.927773	0.779649	43854	25	43829
585.4 Chronic kid	0.855892	1.115305	0.98138	0.781301	45002	358	44644
598 Abnormal f	0.600923	1.355329	0.943069	0.782326	48108	38	48070
556.1 Ulceration	0.703905	1.254275	0.960366	0.7863	41038	81	40957
385.3 Cholesteat	0.789861	1.301609	1.035182	0.788578	43923	94	43829
711.2 Reiter's dis	0.46105	1.524665	0.91795	0.78876	44707	20	44687
281.1 Megaloblas	0.843577	1.220288	1.025142	0.793167	46586	168	46418
433.12 Cerebral at	0.822041	1.247319	1.027719	0.798569	45084	117	44967
840.1 Muscle/ten	0.706546	1.252905	0.963267	0.800254	42209	71	42138
337.1 Peripheral	0.673608	1.288566	0.95893	0.802566	42317	58	42259
303 Psychogeni	0.836674	1.226916	1.024463	0.805822	36421	181	36240
187.2 Malignant r	0.81375	1.262091	1.028136	0.805896	46745	140	46605
738.4 Acquired sp	0.827239	1.144378	0.980252	0.810321	45785	227	45558
525 Other disea	0.844722	1.129559	0.982326	0.810509	46144	302	45842
271 Disorders o	0.500204	1.490337	0.934166	0.81411	48284	23	48261
781.2 Abnormal p	0.702051	1.267501	0.965029	0.815566	47545	74	47471
244.1 Secondary l	0.88314	1.156371	1.016134	0.816485	45143	329	44814
374.3 Ptosis of ey	0.806818	1.164608	0.978618	0.818161	43265	167	43098
149.9 Cancer of o	0.586987	1.385231	0.949782	0.818532	47727	33	47694
301.1 Schizoid pe	0.456247	1.556319	0.927712	0.819708	36260	20	36240
722.9 Other and t	0.762441	1.329038	1.033056	0.82083	41846	70	41776
737.1 Kyphosis (a	0.730959	1.377286	1.037654	0.822353	45618	60	45558
341 Other demy	0.814928	1.160171	0.980054	0.823799	42478	219	42259
281.11 Pernicious	0.621322	1.355901	0.955829	0.823925	46457	39	46418
870.5 Open woun	0.835869	1.221229	1.02187	0.824232	43449	179	43270
751.21 Cystic kidn	0.872507	1.169212	1.01674	0.824681	47695	272	47423
535.9 Gastritis an	0.825694	1.236611	1.023101	0.825875	45952	149	45803
250.25 Diabetes ty	0.787965	1.283971	1.027756	0.827782	40016	86	39930
592.1 Cystitis	0.823608	1.235472	1.02278	0.828795	43780	127	43653
537 Other disor	0.89801	1.132673	1.012518	0.833959	46264	461	45803
528.1 Stomatitis	0.78292	1.295394	1.027512	0.834574	47025	98	46927
856 Vascular co	0.628202	1.530309	1.050086	0.83472	46819	29	46790

780 Hypotherm	0.666297	1.459368	1.043075	0.837795	48301	33	48268
529.1 Glossitis	0.610514	1.534831	1.051193	0.838016	46951	24	46927
335 Multiple scl	0.866041	1.115398	0.986881	0.838242	42679	420	42259
750.21 Congenital	0.666216	1.313336	0.964861	0.839063	47480	57	47423
705.1 Dyshidrosis	0.735684	1.35455	1.031548	0.844462	44623	54	44569
743.9 Osteopenia	0.883487	1.100149	0.989235	0.846849	47463	504	46959
700 Corns and c	0.79335	1.271662	1.023481	0.848477	45812	91	45721
245.2 Chronic thy	0.787264	1.282048	1.023863	0.85128	44916	102	44814
291.4 Specific nor	0.840419	1.2085	1.017499	0.852355	43988	202	43786
386.21 Central orig	0.729771	1.362078	1.030455	0.852584	44106	51	44055
433.3 Cerebral isc	0.931226	1.085562	1.007099	0.856602	45960	993	44967
364.41 Keratoconu	0.748069	1.33564	1.027501	0.856624	45501	67	45434
291.1 Transient nr	0.693685	1.294788	0.971212	0.856652	43858	72	43786
174 Breast canc	0.551472	1.442622	0.955564	0.857795	48171	26	48145
371.1 Uveitis, nor	0.862201	1.17599	1.014294	0.85827	43337	239	43098
727.5 Rupture of	0.757967	1.314702	1.025592	0.859152	40084	68	40016
751.12 Congenital	0.641834	1.358606	0.966032	0.859541	47479	56	47423
916 Contusion	0.946857	1.065554	1.005341	0.859707	47068	1963	45105
594.8 Renal colic	0.793453	1.191003	0.982265	0.863602	45888	167	45721
755.1 Congenital	0.694331	1.292876	0.973144	0.86569	47802	66	47736
686.3 Pilonidal cy	0.741696	1.343497	1.026077	0.867452	43283	77	43206
740.12 Osteoarthr	0.626101	1.371447	0.966913	0.868722	42743	38	42705
800.3 Fracture of	0.865069	1.120685	0.989161	0.869275	43277	399	42878
249 Secondary c	0.712592	1.373821	1.028498	0.869411	39982	52	39930
592.12 Chronic cys	0.755929	1.313952	1.023566	0.870413	43718	65	43653
535 Gastritis an	0.920117	1.097906	1.007263	0.872564	46619	816	45803
290.13 Senile dem	0.727991	1.256244	0.977833	0.872919	43856	70	43786
110.12 Athlete's fo	0.835134	1.149467	0.98701	0.873023	45285	217	45068
800 Fracture of	0.906422	1.082759	0.992795	0.873455	43722	844	42878
242.1 Graves' dise	0.813558	1.172145	0.985232	0.873737	45010	196	44814
870.1 Open woun	0.80048	1.184516	0.98416	0.873943	43444	174	43270
751 Genitourina	0.878787	1.108994	0.990813	0.876677	47910	487	47423
313.2 Tics and stu	0.704156	1.393495	1.026741	0.882178	46182	59	46123

442.4 Arterial dis	0.683353	1.316204	0.976444	0.888452	45725	62	45663
174.11 Malignant r	0.599569	1.518767	1.034668	0.889804	48169	24	48145
174.1 Breast canc	0.599569	1.518767	1.034668	0.889804	48169	24	48145
8 Intestinal ir	0.82651	1.162938	0.988104	0.891231	47873	225	47648
681.6 Cellulitis an	0.790404	1.198881	0.985573	0.891983	43347	141	43206
41.12 Methicillin	0.712061	1.290183	0.979524	0.892797	47241	82	47159
8.6 Viral Enteri	0.774074	1.285282	1.017591	0.894059	47742	94	47648
346.1 Nonspecific	0.785869	1.206671	0.985616	0.89531	42401	142	42259
320 Meningitis	0.793793	1.258388	1.014907	0.900774	48105	128	47977
497 Bronchitis	0.867604	1.159626	1.009079	0.903119	43304	294	43010
292.1 Aphasia/sp	0.892113	1.10052	0.99397	0.910239	44336	550	43786
721.2 Spondylosi	0.823535	1.169871	0.990535	0.915788	41959	183	41776
255.12 Hyperaldos	0.66715	1.341178	0.981063	0.916184	44833	48	44785
722.3 Schmorl's n	0.533377	1.625499	1.030063	0.921129	41797	21	41776
145.3 Cancer of n	0.659374	1.423969	1.020104	0.921182	47729	35	47694
368.1 Amblyopia	0.647722	1.373021	0.981094	0.922181	46281	43	46238
597 Other disor	0.851461	1.144597	0.993466	0.930994	46944	265	46679
788 Syncope an	0.94679	1.059539	1.002409	0.933216	47635	2021	45614
300.8 Acute react	0.738299	1.317216	1.012476	0.934121	36313	73	36240
379.3 Aphakia an	0.679622	1.338443	0.986416	0.93801	44167	48	44119
681.2 Cellulitis an	0.860873	1.160232	1.005893	0.938713	43492	286	43206
747.2 Congenital	0.786	1.257491	1.009238	0.939344	47581	116	47465
474.1 Acute tonsi	0.789731	1.214906	0.991654	0.939661	37424	150	37274
187 Cancer of o	0.822326	1.20822	1.007451	0.940081	46784	179	46605
442.3 Aneurysm c	0.629082	1.454394	1.016106	0.942183	45693	30	45663
427.6 Premature	0.897251	1.116377	1.004043	0.942384	39308	533	38775
459.1 Hemorrhag	0.636063	1.453998	1.015379	0.944025	46893	35	46858
580.1 Glomerulor	0.72999	1.330972	1.01071	0.945391	44715	71	44644
286.13 Congenital	0.640246	1.474376	1.014777	0.946364	45292	42	45250
713 Arthropath	0.663962	1.357767	0.988352	0.949872	44731	44	44687
597.8 Urethral hy	0.760999	1.246406	0.992063	0.949927	46765	86	46679
772.1 Muscular w	0.590504	1.44964	0.985606	0.951141	45848	29	45819
526.1 Cysts of the	0.639322	1.441284	1.012924	0.952017	45877	35	45842

227.1	Benign neo	0.77042	1.266981	1.007537	0.953304	47829	92	47737	
290.16	Vascular de	0.652471	1.368012	0.989037	0.954301	43823	37	43786	
292.5	Transient al	0.789223	1.219259	0.993768	0.955427	43929	143	43786	
277.4	Disorders o	0.688469	1.338642	0.990441	0.955621	47455	60	47395	
377.3	Optic neuro	0.765886	1.246509	0.993568	0.958936	44222	103	44119	
727.7	Contracture	0.674182	1.349199	0.99091	0.95966	40064	48	40016	
252.1	Hyperparat	0.814364	1.209822	1.004969	0.961111	44930	145	44785	
535.2	Atrophic ga	0.857554	1.159629	1.003638	0.962511	46080	277	45803	
348.9	Other cond	0.917354	1.090046	1.00195	0.964715	43128	869	42259	
190	Cancer of e	0.705881	1.343853	1.007366	0.964966	47717	55	47662	
555.21	Ulcerative c	0.812586	1.195703	0.995896	0.966903	41137	180	40957	
193	Thyroid car	0.817148	1.189686	0.996249	0.968892	47911	174	47737	
716.1	Unspecifiec	0.535465	1.522113	0.989452	0.969635	44707	20	44687	
253.1	Pituitary hy	0.723765	1.319792	1.004712	0.975911	44854	69	44785	
79.2	Infectious r	0.732335	1.296759	0.995645	0.976485	41203	101	41102	
212	Benign neo	0.778389	1.235779	0.99664	0.977427	48262	110	48152	
695.41	Cutaneous	0.645067	1.396463	0.995077	0.980518	43814	39	43775	
333.1	Essential tr	0.865411	1.138804	0.998433	0.982184	42568	309	42259	
300.11	Generalizec	0.895093	1.108292	0.999039	0.985948	36857	617	36240	
715.2	Ankylosing	0.807155	1.213739	1.001799	0.986315	44774	159	44615	
580.31	Nephritis ai	0.710443	1.332199	1.002746	0.986591	44700	56	44644	
327.31	Central/nor	0.735738	1.304713	1.002432	0.986858	40350	70	40280	
430.3	Subdural he	0.786126	1.229879	0.998188	0.987432	45087	120	44967	
530.5	Disorders o	0.775196	1.252293	1.001494	0.990345	39328	104	39224	
149.1	Cancer of o	0.702973	1.336132	1.001289	0.993829	47750	56	47694	
276.8	Polydipsia	0.6407	1.430518	1.001502	0.994312	43372	42	43330	
10	Tuberculosi	0.724161	1.315581	1.000903	0.995335	47224	65	47159	
528.11	Stomatitis a	0.589381	1.492877	1.000289	0.999062	46959	32	46927	
611.1	Abnormal r	NA	NA	NA	NA	47865	7	47858	[Error: < 20 cases or controls]
620	Dysplasia o	NA	NA	NA	NA	48343	1	48342	[Error: < 20 cases or controls]
614.54	Abscess or	NA	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
525.2	Atrophy of	NA	NA	NA	NA	45850	8	45842	[Error: < 20 cases or controls]
615	Endometric	NA	NA	NA	NA	48336	1	48335	[Error: < 20 cases or controls]

327.72 Sleep relat	NA	NA	NA	40297	17	40280	[Error: < 20 cases or controls]
441.2 Chronic vas	NA	NA	NA	45674	11	45663	[Error: < 20 cases or controls]
149.2 Cancer of n	NA	NA	NA	47709	15	47694	[Error: < 20 cases or controls]
592.3 Urethral str	NA	NA	NA	43655	2	43653	[Error: < 20 cases or controls]
159.4 Malignant r	NA	NA	NA	46631	12	46619	[Error: < 20 cases or controls]
657 Infections s	NA	NA	NA	48320	1	48319	[Error: < 20 cases or controls]
279.2 Autoimmu	NA	NA	NA	46877	8	46869	[Error: < 20 cases or controls]
362.1 Retinopath	NA	NA	NA	45296	8	45288	[Error: < 20 cases or controls]
117.4 Aspergillo	NA	NA	NA	45082	14	45068	[Error: < 20 cases or controls]
791 Gangrene	NA	NA	NA	48335	12	48323	[Error: < 20 cases or controls]
691.3 Congenital	NA	NA	NA	44216	12	44204	[Error: < 20 cases or controls]
521.2 Dental abra	NA	NA	NA	45842	NA	NA	[Error: non-varying phenotype or genotype]
303.1 Dissociativ	NA	NA	NA	36248	8	36240	[Error: < 20 cases or controls]
362.5 Toxic macu	NA	NA	NA	45304	16	45288	[Error: < 20 cases or controls]
480.13 MRSA pneu	NA	NA	NA	42155	11	42144	[Error: < 20 cases or controls]
613.1 Inflammato	NA	NA	NA	48240	7	48233	[Error: < 20 cases or controls]
184.1 Malignant r	NA	NA	NA	48216	3	48213	[Error: < 20 cases or controls]
988 Toxic effect	NA	NA	NA	48022	5	48017	[Error: < 20 cases or controls]
174.2 Breast canc	NA	NA	NA	48150	5	48145	[Error: < 20 cases or controls]
604.2 Vascular dis	NA	NA	NA	38805	2	38803	[Error: < 20 cases or controls]
621 Endometri	NA	NA	NA	48342	NA	NA	[Error: non-varying phenotype or genotype]
270.34 Alpha-1-ant	NA	NA	NA	47312	19	47293	[Error: < 20 cases or controls]
619.2 Disorders o	NA	NA	NA	48332	1	48331	[Error: < 20 cases or controls]
446.3 Hypersensit	NA	NA	NA	45676	13	45663	[Error: < 20 cases or controls]
958.1 Postoperati	NA	NA	NA	48106	2	48104	[Error: < 20 cases or controls]
626.15 Infertility, f	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
446.8 Thrombotic	NA	NA	NA	45665	2	45663	[Error: < 20 cases or controls]
444.5 Atheroemb	NA	NA	NA	45666	3	45663	[Error: < 20 cases or controls]
627.22 Need for H	NA	NA	NA	48258	6	48252	[Error: < 20 cases or controls]
184 Cancer of o	NA	NA	NA	48218	5	48213	[Error: < 20 cases or controls]
261.41 Ricketts or c	NA	NA	NA	44740	19	44721	[Error: < 20 cases or controls]
133 Arthropod-	NA	NA	NA	47794	8	47786	[Error: < 20 cases or controls]
756.5 Congenital	NA	NA	NA	47750	14	47736	[Error: < 20 cases or controls]

614.53 Cyst or abs	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
620.1 Dysplasia o	NA	NA	NA	48342	NA	NA	[Error: non-varying phenotype or genotype]
736.1 Acquired d	NA	NA	NA	45577	19	45558	[Error: < 20 cases or controls]
306.1 Mental disc	NA	NA	NA	36240	NA	NA	[Error: non-varying phenotype or genotype]
961 Poisoning b	NA	NA	NA	45858	16	45842	[Error: < 20 cases or controls]
246.2 Thyroid cys	NA	NA	NA	44830	16	44814	[Error: < 20 cases or controls]
612.3 Congenital	NA	NA	NA	47858	NA	NA	[Error: non-varying phenotype or genotype]
750.14 Congenital	NA	NA	NA	47430	7	47423	[Error: < 20 cases or controls]
444.2 Embolism a	NA	NA	NA	45675	12	45663	[Error: < 20 cases or controls]
614 Inflammatic	NA	NA	NA	48337	2	48335	[Error: < 20 cases or controls]
286.6 Defibrinatic	NA	NA	NA	45264	14	45250	[Error: < 20 cases or controls]
610.4 Benign neo	NA	NA	NA	47862	4	47858	[Error: < 20 cases or controls]
756.3 Congenital	NA	NA	NA	47753	17	47736	[Error: < 20 cases or controls]
592.21 Urethral sy	NA	NA	NA	43660	7	43653	[Error: < 20 cases or controls]
654.1 Abnormalit	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
614.52 Vaginitis an	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
230 Kaposi's sar	NA	NA	NA	48337	14	48323	[Error: < 20 cases or controls]
270.21 Disorders o	NA	NA	NA	47298	5	47293	[Error: < 20 cases or controls]
305.21 Anorexia n	NA	NA	NA	36243	3	36240	[Error: < 20 cases or controls]
656.8 Perinatal ja	NA	NA	NA	48232	1	48231	[Error: < 20 cases or controls]
972.1 Cardiac rhy	NA	NA	NA	45855	13	45842	[Error: < 20 cases or controls]
31.1 Leprosy	NA	NA	NA	47160	1	47159	[Error: < 20 cases or controls]
527.1 Hypertroph	NA	NA	NA	46934	7	46927	[Error: < 20 cases or controls]
729.7 Nontrauma	NA	NA	NA	40021	5	40016	[Error: < 20 cases or controls]
379.51 Pigmentary	NA	NA	NA	44135	16	44119	[Error: < 20 cases or controls]
694.3 Vascular di	NA	NA	NA	44215	11	44204	[Error: < 20 cases or controls]
729.3 Panniculitis	NA	NA	NA	40031	15	40016	[Error: < 20 cases or controls]
941 Adverse re	NA	NA	NA	42750	2	42748	[Error: < 20 cases or controls]
175 Acquired ak	NA	NA	NA	47971	NA	NA	[Error: non-varying phenotype or genotype]
949.1 Diaper or n	NA	NA	NA	42752	4	42748	[Error: < 20 cases or controls]
277.6 Other defic	NA	NA	NA	47400	5	47395	[Error: < 20 cases or controls]
327.6 Circadian r	NA	NA	NA	40296	16	40280	[Error: < 20 cases or controls]
756.22 Pectus carir	NA	NA	NA	47745	9	47736	[Error: < 20 cases or controls]

284.1 Pancytoper NA	NA	NA	NA	46432	14	46418	[Error: < 20 cases or controls]
277.8 Carnitine d NA	NA	NA	NA	47396	1	47395	[Error: < 20 cases or controls]
286.4 Acquired cc NA	NA	NA	NA	45269	19	45250	[Error: < 20 cases or controls]
452.1 Iatrogenic ç NA	NA	NA	NA	43143	15	43128	[Error: < 20 cases or controls]
649.1 Diabetes or NA	NA	NA	NA	48337	1	48336	[Error: < 20 cases or controls]
702.4 Degenerati NA	NA	NA	NA	42769	3	42766	[Error: < 20 cases or controls]
81.1 Graft-versu NA	NA	NA	NA	47816	9	47807	[Error: < 20 cases or controls]
691.1 Ichthyosis c NA	NA	NA	NA	44207	3	44204	[Error: < 20 cases or controls]
695.21 Dermatitis l NA	NA	NA	NA	44210	6	44204	[Error: < 20 cases or controls]
145.1 Cancer of li NA	NA	NA	NA	47700	6	47694	[Error: < 20 cases or controls]
656.1 Isoimmuniz NA	NA	NA	NA	48231	NA	NA	[Error: non-varying phenotype or genotype]
750.5 Congenital NA	NA	NA	NA	47424	1	47423	[Error: < 20 cases or controls]
624.9 stress incor NA	NA	NA	NA	48292	10	48282	[Error: < 20 cases or controls]
624.2 Atrophy of NA	NA	NA	NA	48282	NA	NA	[Error: non-varying phenotype or genotype]
259.8 Polyglandul NA	NA	NA	NA	44791	6	44785	[Error: < 20 cases or controls]
580.11 Proliferativ NA	NA	NA	NA	44661	17	44644	[Error: < 20 cases or controls]
701.3 Circumscrit NA	NA	NA	NA	45733	12	45721	[Error: < 20 cases or controls]
735.22 Claw toe (a NA	NA	NA	NA	45565	7	45558	[Error: < 20 cases or controls]
218 Benign neo NA	NA	NA	NA	47598	NA	NA	[Error: non-varying phenotype or genotype]
637 Short gesta NA	NA	NA	NA	48327	3	48324	[Error: < 20 cases or controls]
70.1 Viral hepatis NA	NA	NA	NA	41119	17	41102	[Error: < 20 cases or controls]
363.4 Choroidal d NA	NA	NA	NA	45437	3	45434	[Error: < 20 cases or controls]
634 Miscarriage NA	NA	NA	NA	48335	3	48332	[Error: < 20 cases or controls]
281.9 Deficiency ; NA	NA	NA	NA	46429	11	46418	[Error: < 20 cases or controls]
573.1 Chronic pas NA	NA	NA	NA	41907	9	41898	[Error: < 20 cases or controls]
184.2 Cancer of o NA	NA	NA	NA	48215	2	48213	[Error: < 20 cases or controls]
218.2 Other beniç NA	NA	NA	NA	47598	NA	NA	[Error: non-varying phenotype or genotype]
598.4 Other cells NA	NA	NA	NA	48078	8	48070	[Error: < 20 cases or controls]
626.1 Irregular m NA	NA	NA	NA	48253	1	48252	[Error: < 20 cases or controls]
134.1 Intestinal h NA	NA	NA	NA	47798	12	47786	[Error: < 20 cases or controls]
260.7 Polyphagia NA	NA	NA	NA	44725	4	44721	[Error: < 20 cases or controls]
986 Toxic effect NA	NA	NA	NA	48033	16	48017	[Error: < 20 cases or controls]
716.8 Palindromic NA	NA	NA	NA	44702	15	44687	[Error: < 20 cases or controls]



938.1 Acute derm	NA	NA	NA	42763	15	42748	[Error: < 20 cases or controls]
253.7 Other disor	NA	NA	NA	44801	16	44785	[Error: < 20 cases or controls]
131 Protozoan i	NA	NA	NA	47796	10	47786	[Error: < 20 cases or controls]
443.7 Peripheral i	NA	NA	NA	45672	9	45663	[Error: < 20 cases or controls]
510.2 Lung transp	NA	NA	NA	46349	10	46339	[Error: < 20 cases or controls]
560.2 Impaction c	NA	NA	NA	40970	13	40957	[Error: < 20 cases or controls]
573.2 Liver replac	NA	NA	NA	41913	15	41898	[Error: < 20 cases or controls]
586.11 Small kidne	NA	NA	NA	44648	4	44644	[Error: < 20 cases or controls]
283 Acquired h	NA	NA	NA	46431	13	46418	[Error: < 20 cases or controls]
642 Hypertensio	NA	NA	NA	48342	2	48340	[Error: < 20 cases or controls]
711.3 Behcet's sy	NA	NA	NA	44702	15	44687	[Error: < 20 cases or controls]
647.3 Major puer	NA	NA	NA	48341	1	48340	[Error: < 20 cases or controls]
132.1 Pediculosis	NA	NA	NA	47790	4	47786	[Error: < 20 cases or controls]
712 Infective co	NA	NA	NA	44701	14	44687	[Error: < 20 cases or controls]
519.1 Tracheosto	NA	NA	NA	46624	16	46608	[Error: < 20 cases or controls]
433.32 Moyamoya	NA	NA	NA	44974	7	44967	[Error: < 20 cases or controls]
704.12 Telogen eff	NA	NA	NA	46224	5	46219	[Error: < 20 cases or controls]
618.1 Prolapse of	NA	NA	NA	48339	NA	NA	[Error: non-varying phenotype or genotype]
626.4 Premenstru	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
965.3 Salicylates c	NA	NA	NA	45851	9	45842	[Error: < 20 cases or controls]
324.1 Jakob-Creu	NA	NA	NA	47978	1	47977	[Error: < 20 cases or controls]
611.11 Mammogra	NA	NA	NA	47858	NA	NA	[Error: non-varying phenotype or genotype]
636.1 Threatened	NA	NA	NA	48332	NA	NA	[Error: non-varying phenotype or genotype]
282.8 Other hem	NA	NA	NA	46427	9	46418	[Error: < 20 cases or controls]
985 Toxic effect	NA	NA	NA	48020	3	48017	[Error: < 20 cases or controls]
292.12 Symbolic d	NA	NA	NA	43804	18	43786	[Error: < 20 cases or controls]
222 Benign neo	NA	NA	NA	46617	12	46605	[Error: < 20 cases or controls]
283.21 Hemolytic-i	NA	NA	NA	46419	1	46418	[Error: < 20 cases or controls]
626.2 Dysmenorri	NA	NA	NA	48254	2	48252	[Error: < 20 cases or controls]
656.9 Neonatal b	NA	NA	NA	48231	NA	NA	[Error: non-varying phenotype or genotype]
627.1 Postmenop	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
750.22 Congenital	NA	NA	NA	47442	19	47423	[Error: < 20 cases or controls]
976 Poisoning b	NA	NA	NA	45847	5	45842	[Error: < 20 cases or controls]

710.2	Periostitis	NA	NA	NA	NA	44688	1	44687	[Error: < 20 cases or controls]
221	Benign neo	NA	NA	NA	NA	47531	1	47530	[Error: < 20 cases or controls]
656.4	Hemorrhag	NA	NA	NA	NA	48233	2	48231	[Error: < 20 cases or controls]
628	Ovarian cys	NA	NA	NA	NA	48254	2	48252	[Error: < 20 cases or controls]
8.7	Intestinal ir	NA	NA	NA	NA	47656	8	47648	[Error: < 20 cases or controls]
622	Polyp of fer	NA	NA	NA	NA	48342	NA	NA	[Error: non-varying phenotype or genotype]
750.11	Esophageal	NA	NA	NA	NA	47440	17	47423	[Error: < 20 cases or controls]
145.4	Cancer of tl	NA	NA	NA	NA	47697	3	47694	[Error: < 20 cases or controls]
270.31	Polyclonal †	NA	NA	NA	NA	47296	3	47293	[Error: < 20 cases or controls]
965.2	Antirheumæ	NA	NA	NA	NA	45847	5	45842	[Error: < 20 cases or controls]
984	Toxic effect	NA	NA	NA	NA	48019	2	48017	[Error: < 20 cases or controls]
823	Fracture of	NA	NA	NA	NA	41368	NA	NA	[Error: non-varying phenotype or genotype]
446.1	Thromboar	NA	NA	NA	NA	45667	4	45663	[Error: < 20 cases or controls]
610.3	Fibrosclero:	NA	NA	NA	NA	47858	NA	NA	[Error: non-varying phenotype or genotype]
695.22	Pemphigus	NA	NA	NA	NA	44223	19	44204	[Error: < 20 cases or controls]
610.8	Other speci	NA	NA	NA	NA	47859	1	47858	[Error: < 20 cases or controls]
262	Mineral def	NA	NA	NA	NA	44725	4	44721	[Error: < 20 cases or controls]
368.5	Color visior	NA	NA	NA	NA	46242	4	46238	[Error: < 20 cases or controls]
256	Ovarian dys	NA	NA	NA	NA	44793	8	44785	[Error: < 20 cases or controls]
256.1	Hyperestro	NA	NA	NA	NA	44787	2	44785	[Error: < 20 cases or controls]
281.13	Folate-defic	NA	NA	NA	NA	46424	6	46418	[Error: < 20 cases or controls]
134	Helminthia:	NA	NA	NA	NA	47805	19	47786	[Error: < 20 cases or controls]
964	Poisoning b	NA	NA	NA	NA	45860	18	45842	[Error: < 20 cases or controls]
365.5	Pseudoexfc	NA	NA	NA	NA	45448	14	45434	[Error: < 20 cases or controls]
687.3	Changes in	NA	NA	NA	NA	41574	5	41569	[Error: < 20 cases or controls]
972.2	Antilipemic	NA	NA	NA	NA	45844	2	45842	[Error: < 20 cases or controls]
643	Excessive vi	NA	NA	NA	NA	48344	1	48343	[Error: < 20 cases or controls]
184.11	Malignant r	NA	NA	NA	NA	48216	3	48213	[Error: < 20 cases or controls]
258	Iatrogenic ε	NA	NA	NA	NA	44795	10	44785	[Error: < 20 cases or controls]
500.1	Extrinsic all	NA	NA	NA	NA	43810	9	43801	[Error: < 20 cases or controls]
622.2	Mucous po	NA	NA	NA	NA	48342	NA	NA	[Error: non-varying phenotype or genotype]
610.2	Fibroadeno	NA	NA	NA	NA	47858	NA	NA	[Error: non-varying phenotype or genotype]
180.1	Cervical car	NA	NA	NA	NA	48207	2	48205	[Error: < 20 cases or controls]

626.21 Mittelschm	NA	NA	NA	48253	1	48252	[Error: < 20 cases or controls]
649 Other cond	NA	NA	NA	48338	2	48336	[Error: < 20 cases or controls]
656.2 Respiratory	NA	NA	NA	48248	17	48231	[Error: < 20 cases or controls]
613.9 Breast diso	NA	NA	NA	48235	2	48233	[Error: < 20 cases or controls]
647.1 Infections c	NA	NA	NA	48341	1	48340	[Error: < 20 cases or controls]
41.21 Rheumatic	NA	NA	NA	47164	5	47159	[Error: < 20 cases or controls]
289.3 Personal hi	NA	NA	NA	43834	13	43821	[Error: < 20 cases or controls]
674 Other comf	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
714.2 Juvenile rh	NA	NA	NA	44632	17	44615	[Error: < 20 cases or controls]
757 Congenital	NA	NA	NA	47215	6	47209	[Error: < 20 cases or controls]
960.3 Poisoning b	NA	NA	NA	45843	1	45842	[Error: < 20 cases or controls]
520.1 Hereditary	NA	NA	NA	45851	9	45842	[Error: < 20 cases or controls]
180.3 Cervical int	NA	NA	NA	48208	3	48205	[Error: < 20 cases or controls]
618.6 Vaginal ent	NA	NA	NA	48339	NA	NA	[Error: non-varying phenotype or genotype]
285.8 Hemoglobin	NA	NA	NA	46425	7	46418	[Error: < 20 cases or controls]
783.1 Postproced	NA	NA	NA	44510	16	44494	[Error: < 20 cases or controls]
204.3 Monocytic	NA	NA	NA	47142	9	47133	[Error: < 20 cases or controls]
264.2 Failure to t	NA	NA	NA	44737	16	44721	[Error: < 20 cases or controls]
526.8 Exostosis o	NA	NA	NA	45845	3	45842	[Error: < 20 cases or controls]
743.22 Pathologic	NA	NA	NA	46970	11	46959	[Error: < 20 cases or controls]
453 Chronic ver	NA	NA	NA	43133	5	43128	[Error: < 20 cases or controls]
556.11 Angiodyspl	NA	NA	NA	40972	15	40957	[Error: < 20 cases or controls]
619.1 Noninflamr	NA	NA	NA	48331	NA	NA	[Error: non-varying phenotype or genotype]
795.81 Elevated ca	NA	NA	NA	48203	9	48194	[Error: < 20 cases or controls]
723.1 Torticollis	NA	NA	NA	41795	19	41776	[Error: < 20 cases or controls]
303.31 Gastrointes	NA	NA	NA	36258	18	36240	[Error: < 20 cases or controls]
624.1 Dystrophy c	NA	NA	NA	48282	NA	NA	[Error: non-varying phenotype or genotype]
614.4 Inflammatic	NA	NA	NA	48336	1	48335	[Error: < 20 cases or controls]
522.1 Pulpitis and	NA	NA	NA	45857	15	45842	[Error: < 20 cases or controls]
614.51 Cervicitis ar	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
614.3 Pelvic inflar	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
795.82 Elevated ca	NA	NA	NA	48194	NA	NA	[Error: non-varying phenotype or genotype]
710.3 Osteopathy	NA	NA	NA	44687	NA	NA	[Error: non-varying phenotype or genotype]

634.1 Missed abo	NA	NA	NA	48334	2	48332	[Error: < 20 cases or controls]
283.2 Non-autoin	NA	NA	NA	46423	5	46418	[Error: < 20 cases or controls]
325 Phlebitis an	NA	NA	NA	47993	16	47977	[Error: < 20 cases or controls]
81.11 Acute graft	NA	NA	NA	47808	1	47807	[Error: < 20 cases or controls]
614.1 Pelvic perit	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
225.2 Benign neo	NA	NA	NA	47670	8	47662	[Error: < 20 cases or controls]
580.13 Acute glom	NA	NA	NA	44654	10	44644	[Error: < 20 cases or controls]
635.3 Placenta pr	NA	NA	NA	48332	NA	NA	[Error: non-varying phenotype or genotype]
261.1 Vitamin A d	NA	NA	NA	44723	2	44721	[Error: < 20 cases or controls]
446.5 Giant cell a	NA	NA	NA	45670	7	45663	[Error: < 20 cases or controls]
656.5 Hematologi	NA	NA	NA	48233	2	48231	[Error: < 20 cases or controls]
618 Genital pro	NA	NA	NA	48342	3	48339	[Error: < 20 cases or controls]
394.3 Aortic valve	NA	NA	NA	45800	15	45785	[Error: < 20 cases or controls]
586.12 Vesicouretr	NA	NA	NA	44658	14	44644	[Error: < 20 cases or controls]
79.1 Varicella int	NA	NA	NA	41111	9	41102	[Error: < 20 cases or controls]
622.1 Polyp of col	NA	NA	NA	48342	NA	NA	[Error: non-varying phenotype or genotype]
626.11 Absent or ir	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
371.33 Noninfectic	NA	NA	NA	43102	4	43098	[Error: < 20 cases or controls]
284.2 Constitutio	NA	NA	NA	46419	1	46418	[Error: < 20 cases or controls]
285.3 Sideroblast	NA	NA	NA	46420	2	46418	[Error: < 20 cases or controls]
389.5 Disorders o	NA	NA	NA	44238	15	44223	[Error: < 20 cases or controls]
627.3 Postmenop	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
749.2 Congenital	NA	NA	NA	48172	18	48154	[Error: < 20 cases or controls]
251.8 Abnormalit	NA	NA	NA	44788	3	44785	[Error: < 20 cases or controls]
736.3 Acquired d	NA	NA	NA	45561	3	45558	[Error: < 20 cases or controls]
254 Diseases of	NA	NA	NA	44796	11	44785	[Error: < 20 cases or controls]
255.22 Mineraloco	NA	NA	NA	44799	14	44785	[Error: < 20 cases or controls]
277.2 Other disor	NA	NA	NA	47397	2	47395	[Error: < 20 cases or controls]
759.1 Anomalies	NA	NA	NA	47222	13	47209	[Error: < 20 cases or controls]
275.2 Disorders o	NA	NA	NA	47072	13	47059	[Error: < 20 cases or controls]
255.3 Adrenogeni	NA	NA	NA	44801	16	44785	[Error: < 20 cases or controls]
174.3 Neoplasm c	NA	NA	NA	48146	1	48145	[Error: < 20 cases or controls]
627.2 Symptomat	NA	NA	NA	48259	7	48252	[Error: < 20 cases or controls]

634.3 Ectopic pre	NA	NA	NA	48332	NA	NA	[Error: non-varying phenotype or genotype]
964.1 Anticoagula	NA	NA	NA	45851	9	45842	[Error: < 20 cases or controls]
218.1 Uterine lei	NA	NA	NA	47598	NA	NA	[Error: non-varying phenotype or genotype]
962.3 Hormones	NA	NA	NA	45852	10	45842	[Error: < 20 cases or controls]
619 Noninflamr	NA	NA	NA	48334	3	48331	[Error: < 20 cases or controls]
654 Other and	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
625.1 Dyspareuni	NA	NA	NA	48284	2	48282	[Error: < 20 cases or controls]
870.8 Open woun	NA	NA	NA	43283	13	43270	[Error: < 20 cases or controls]
368.7 Disorders o	NA	NA	NA	46242	4	46238	[Error: < 20 cases or controls]
626.13 Irregular m	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
656.26 Transitory t	NA	NA	NA	48233	2	48231	[Error: < 20 cases or controls]
285.22 Anemia in r	NA	NA	NA	46430	12	46418	[Error: < 20 cases or controls]
874 Complicatio	NA	NA	NA	43284	14	43270	[Error: < 20 cases or controls]
618.5 Prolapse of	NA	NA	NA	48339	NA	NA	[Error: non-varying phenotype or genotype]
626.14 Irregular m	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
627.5 Premature	NA	NA	NA	48254	2	48252	[Error: < 20 cases or controls]
592.13 Chronic int	NA	NA	NA	43665	12	43653	[Error: < 20 cases or controls]
286.3 Coagulator	NA	NA	NA	45250	NA	NA	[Error: non-varying phenotype or genotype]
614.31 Acute inflar	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
656.22 Interstitial	NA	NA	NA	48232	1	48231	[Error: < 20 cases or controls]
613.7 Other signs	NA	NA	NA	48243	10	48233	[Error: < 20 cases or controls]
960.1 Adverse eff	NA	NA	NA	45855	13	45842	[Error: < 20 cases or controls]
536.7 Complicatio	NA	NA	NA	45820	17	45803	[Error: < 20 cases or controls]
753.2 Congenital	NA	NA	NA	47902	8	47894	[Error: < 20 cases or controls]
614.33 Pelvic inflar	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
653 Problems a	NA	NA	NA	48336	1	48335	[Error: < 20 cases or controls]
529.6 Glossodyn	NA	NA	NA	46940	13	46927	[Error: < 20 cases or controls]
671 Venous/cer	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
523.32 Chronic per	NA	NA	NA	45860	18	45842	[Error: < 20 cases or controls]
627.4 Premenopa	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
521.4 Tooth com	NA	NA	NA	45847	5	45842	[Error: < 20 cases or controls]
656.6 Perinatal di	NA	NA	NA	48234	3	48231	[Error: < 20 cases or controls]
751.11 Congenital	NA	NA	NA	47425	2	47423	[Error: < 20 cases or controls]

446.2 Acute febril	NA	NA	NA	45665	2	45663	[Error: < 20 cases or controls]
446.6 Polyarteriti	NA	NA	NA	45668	5	45663	[Error: < 20 cases or controls]
729.1 Rheumatism	NA	NA	NA	40017	1	40016	[Error: < 20 cases or controls]
610 Benign mar	NA	NA	NA	47863	5	47858	[Error: < 20 cases or controls]
261.3 Vitamin C d	NA	NA	NA	44722	1	44721	[Error: < 20 cases or controls]
242.31 Thyrotoxic	NA	NA	NA	44825	11	44814	[Error: < 20 cases or controls]
741.6 Villonodula	NA	NA	NA	43378	17	43361	[Error: < 20 cases or controls]
749.1 Cleft palate	NA	NA	NA	44863	14	44849	[Error: < 20 cases or controls]
244.3 Iodine hypc	NA	NA	NA	44818	4	44814	[Error: < 20 cases or controls]
857 Mechanical	NA	NA	NA	46809	19	46790	[Error: < 20 cases or controls]
602.3 Dysplasia o	NA	NA	NA	41314	6	41308	[Error: < 20 cases or controls]
939.1 Contact anc	NA	NA	NA	42752	4	42748	[Error: < 20 cases or controls]
974 Poisoning b	NA	NA	NA	45851	9	45842	[Error: < 20 cases or controls]
792.1 Papanicola	NA	NA	NA	48207	2	48205	[Error: < 20 cases or controls]
272.14 Hyperchyl	NA	NA	NA	31766	9	31757	[Error: < 20 cases or controls]
277.1 Disorders o	NA	NA	NA	47405	10	47395	[Error: < 20 cases or controls]
627.21 Symptomati	NA	NA	NA	48252	NA	NA	[Error: non-varying phenotype or genotype]
259.4 Precocious	NA	NA	NA	44795	10	44785	[Error: < 20 cases or controls]
716.3 Kaschin-Ber	NA	NA	NA	44689	2	44687	[Error: < 20 cases or controls]
220 Benign neo	NA	NA	NA	47646	NA	NA	[Error: non-varying phenotype or genotype]
289.1 Myelofibro	NA	NA	NA	43825	4	43821	[Error: < 20 cases or controls]
271.9 Other disor	NA	NA	NA	48271	10	48261	[Error: < 20 cases or controls]
644 Anemia dur	NA	NA	NA	48343	NA	NA	[Error: non-varying phenotype or genotype]
957 Injury to ot	NA	NA	NA	48255	8	48247	[Error: < 20 cases or controls]
795.8 Abnormal t	NA	NA	NA	48210	16	48194	[Error: < 20 cases or controls]
256.4 Polycystic c	NA	NA	NA	44788	3	44785	[Error: < 20 cases or controls]
279.8 Other speci	NA	NA	NA	46884	15	46869	[Error: < 20 cases or controls]
613.8 Other speci	NA	NA	NA	48235	2	48233	[Error: < 20 cases or controls]
636.8 Cervical inc	NA	NA	NA	48332	NA	NA	[Error: non-varying phenotype or genotype]
750.13 Congenital	NA	NA	NA	47433	10	47423	[Error: < 20 cases or controls]
216.1 Screening f	NA	NA	NA	44456	NA	NA	[Error: non-varying phenotype or genotype]
361.2 Retinoschis	NA	NA	NA	45446	12	45434	[Error: < 20 cases or controls]
323.2 Acute (tran	NA	NA	NA	47988	11	47977	[Error: < 20 cases or controls]

696.2 Parapsoriasis	NA	NA	NA	44212	8	44204	[Error: < 20 cases or controls]
425.8 Other cardi	NA	NA	NA	46866	11	46855	[Error: < 20 cases or controls]
655.1 Abnormalit	NA	NA	NA	48294	15	48279	[Error: < 20 cases or controls]
258.1 Postablativ	NA	NA	NA	44785	NA	NA	[Error: non-varying phenotype or genotype]
270.11 Disturbanc	NA	NA	NA	47297	4	47293	[Error: < 20 cases or controls]
737.2 Lordosis (ac	NA	NA	NA	45562	4	45558	[Error: < 20 cases or controls]
792 Abnormal F	NA	NA	NA	48208	3	48205	[Error: < 20 cases or controls]
117.3 Blastomyco	NA	NA	NA	45082	14	45068	[Error: < 20 cases or controls]
350.5 Abnormal r	NA	NA	NA	46181	17	46164	[Error: < 20 cases or controls]
695.1 Toxic erythr	NA	NA	NA	44219	15	44204	[Error: < 20 cases or controls]
260.22 Nutritional	NA	NA	NA	44728	7	44721	[Error: < 20 cases or controls]
618.2 Uterine/Utr	NA	NA	NA	48339	NA	NA	[Error: non-varying phenotype or genotype]
316.1 Polyneurop	NA	NA	NA	39563	9	39554	[Error: < 20 cases or controls]
459.7 Blood vess	NA	NA	NA	46860	2	46858	[Error: < 20 cases or controls]
614.32 Chronic infl	NA	NA	NA	48335	NA	NA	[Error: non-varying phenotype or genotype]
647 Infectious a	NA	NA	NA	48341	1	48340	[Error: < 20 cases or controls]
180 Cervical car	NA	NA	NA	48210	5	48205	[Error: < 20 cases or controls]
300.2 Generalizec	NA	NA	NA	36240	NA	NA	[Error: non-varying phenotype or genotype]
360.3 Hypotony c	NA	NA	NA	45451	17	45434	[Error: < 20 cases or controls]
623 Hypertroph	NA	NA	NA	48342	NA	NA	[Error: non-varying phenotype or genotype]
627 Menopausa	NA	NA	NA	48261	9	48252	[Error: < 20 cases or controls]
564.9 Personal hi	NA	NA	NA	40959	2	40957	[Error: < 20 cases or controls]
283.1 Autoimmun	NA	NA	NA	46425	7	46418	[Error: < 20 cases or controls]
575.9 Nonspecific	NA	NA	NA	47150	16	47134	[Error: < 20 cases or controls]
736.5 Acquired d	NA	NA	NA	45563	5	45558	[Error: < 20 cases or controls]
182 Malignant r	NA	NA	NA	48218	2	48216	[Error: < 20 cases or controls]
531.5 Gastrojejun	NA	NA	NA	47340	3	47337	[Error: < 20 cases or controls]
624 Symptoms i	NA	NA	NA	48282	NA	NA	[Error: non-varying phenotype or genotype]
750.15 Congenital	NA	NA	NA	47429	6	47423	[Error: < 20 cases or controls]
619.5 Noninflamr	NA	NA	NA	48332	1	48331	[Error: < 20 cases or controls]
636 Early or thr	NA	NA	NA	48333	1	48332	[Error: < 20 cases or controls]
669 Complicatic	NA	NA	NA	48343	1	48342	[Error: < 20 cases or controls]
753.1 Congenital	NA	NA	NA	47904	10	47894	[Error: < 20 cases or controls]

625 Pain and ot NA	NA	NA	NA	48291	9	48282	[Error: < 20 cases or controls]
756.1 Congenital NA	NA	NA	NA	47753	17	47736	[Error: < 20 cases or controls]
614.5 Inflammato NA	NA	NA	NA	48336	1	48335	[Error: < 20 cases or controls]
244.5 Congenital NA	NA	NA	NA	44829	15	44814	[Error: < 20 cases or controls]
626.12 Excessive o NA	NA	NA	NA	48253	1	48252	[Error: < 20 cases or controls]
550.3 Femoral he NA	NA	NA	NA	44978	11	44967	[Error: < 20 cases or controls]
480.2 Viral pneun NA	NA	NA	NA	42160	16	42144	[Error: < 20 cases or controls]
704.2 Hirsutism NA	NA	NA	NA	46224	5	46219	[Error: < 20 cases or controls]
973 Poisoning b NA	NA	NA	NA	45846	4	45842	[Error: < 20 cases or controls]
250.15 Diabetes ty NA	NA	NA	NA	39944	14	39930	[Error: < 20 cases or controls]
619.4 Noninflamr NA	NA	NA	NA	48331 NA	NA		[Error: non-varying phenotype or genotype]
767 Cervicocrar NA	NA	NA	NA	44578	18	44560	[Error: < 20 cases or controls]
90.3 Venereal di NA	NA	NA	NA	47846	6	47840	[Error: < 20 cases or controls]
656.7 Conditions NA	NA	NA	NA	48232	1	48231	[Error: < 20 cases or controls]
588.2 Secondary l NA	NA	NA	NA	44656	12	44644	[Error: < 20 cases or controls]
31 Diseases du NA	NA	NA	NA	47169	10	47159	[Error: < 20 cases or controls]
942 Infusion an NA	NA	NA	NA	42760	12	42748	[Error: < 20 cases or controls]
654.2 Rhesus isoi NA	NA	NA	NA	48337	2	48335	[Error: < 20 cases or controls]
656.3 Endocrine ε NA	NA	NA	NA	48234	3	48231	[Error: < 20 cases or controls]
676 Other disor NA	NA	NA	NA	48335 NA	NA		[Error: non-varying phenotype or genotype]
755.3 Congenital NA	NA	NA	NA	47741	5	47736	[Error: < 20 cases or controls]
270.35 Macroglobi NA	NA	NA	NA	47305	12	47293	[Error: < 20 cases or controls]
755.61 Congenital NA	NA	NA	NA	47750	14	47736	[Error: < 20 cases or controls]
286.11 Von willebr NA	NA	NA	NA	45268	18	45250	[Error: < 20 cases or controls]
394.4 Acute rheu NA	NA	NA	NA	45793	8	45785	[Error: < 20 cases or controls]
260.21 Kwashiorko NA	NA	NA	NA	44723	2	44721	[Error: < 20 cases or controls]
569.1 Toxic gastrc NA	NA	NA	NA	44951	7	44944	[Error: < 20 cases or controls]
636.3 Hemorrhag NA	NA	NA	NA	48333	1	48332	[Error: < 20 cases or controls]
619.3 Noninflamr NA	NA	NA	NA	48332	1	48331	[Error: < 20 cases or controls]
646 Other comf NA	NA	NA	NA	48337	1	48336	[Error: < 20 cases or controls]
270.12 Phenylketo NA	NA	NA	NA	47299	6	47293	[Error: < 20 cases or controls]
755.4 Congenital NA	NA	NA	NA	47745	9	47736	[Error: < 20 cases or controls]
38.1 Gram negat NA	NA	NA	NA	47173	14	47159	[Error: < 20 cases or controls]



145.5 Cancer of t	NA	NA	NA	47704	10	47694	[Error: < 20 cases or controls]
452.8 Postphlebit	NA	NA	NA	43140	12	43128	[Error: < 20 cases or controls]
610.1 Cystic mast	NA	NA	NA	47858	NA	NA	[Error: non-varying phenotype or genotype]
696.3 Pityriasis	NA	NA	NA	44218	14	44204	[Error: < 20 cases or controls]
371.9 Chronic infl	NA	NA	NA	43105	7	43098	[Error: < 20 cases or controls]
635 Hemorrhag	NA	NA	NA	48332	NA	NA	[Error: non-varying phenotype or genotype]
612.1 Galactorrhœ	NA	NA	NA	47858	NA	NA	[Error: non-varying phenotype or genotype]
642.1 Preeclamps	NA	NA	NA	48341	1	48340	[Error: < 20 cases or controls]
706.3 Seborrhea	NA	NA	NA	44571	2	44569	[Error: < 20 cases or controls]
81.12 Chronic gra	NA	NA	NA	47814	7	47807	[Error: < 20 cases or controls]
527.8 Other speci	NA	NA	NA	46936	9	46927	[Error: < 20 cases or controls]
972.6 Antihypertœ	NA	NA	NA	45858	16	45842	[Error: < 20 cases or controls]
736.4 Genu valgu	NA	NA	NA	45568	10	45558	[Error: < 20 cases or controls]
731.1 Osteitis def	NA	NA	NA	44439	16	44423	[Error: < 20 cases or controls]
635.2 Antepartun	NA	NA	NA	48332	NA	NA	[Error: non-varying phenotype or genotype]
271.3 Intestinal d	NA	NA	NA	48272	11	48261	[Error: < 20 cases or controls]
994.21 Septic choc	NA	NA	NA	48147	14	48133	[Error: < 20 cases or controls]
686.5 Pyoderma	NA	NA	NA	43213	7	43206	[Error: < 20 cases or controls]
609.11 Azoosperm	NA	NA	NA	38814	11	38803	[Error: < 20 cases or controls]
741.1 Ankylosis o'	NA	NA	NA	43379	18	43361	[Error: < 20 cases or controls]
117.2 Coccidioido	NA	NA	NA	45070	2	45068	[Error: < 20 cases or controls]
149.3 Cancer of h	NA	NA	NA	47707	13	47694	[Error: < 20 cases or controls]
209 Neuroendo	NA	NA	NA	48342	12	48330	[Error: < 20 cases or controls]
695.81 Erythema n	NA	NA	NA	44213	9	44204	[Error: < 20 cases or controls]
287.2 Allergic pur	NA	NA	NA	45263	13	45250	[Error: < 20 cases or controls]
537.1 Lesions of s	NA	NA	NA	45807	4	45803	[Error: < 20 cases or controls]
790.9 Abnormal a	NA	NA	NA	45227	1	45226	[Error: < 20 cases or controls]
643.1 Hyperemes	NA	NA	NA	48344	1	48343	[Error: < 20 cases or controls]
8.51 Intestinal e	NA	NA	NA	47648	NA	NA	[Error: non-varying phenotype or genotype]
480.12 Pseudomor	NA	NA	NA	42160	16	42144	[Error: < 20 cases or controls]
636.2 Early onset	NA	NA	NA	48332	NA	NA	[Error: non-varying phenotype or genotype]
159.3 Malignant r	NA	NA	NA	46633	14	46619	[Error: < 20 cases or controls]
446.7 Takayasu's	NA	NA	NA	45664	1	45663	[Error: < 20 cases or controls]

448 Disease of rNA	NA	NA	NA	45672	9	45663 [Error: < 20 cases or controls]
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**Supplemental Table E2**

phecode	description	lower 95%	upper 95%	OR	p	n_total	n_cases	n_controls	note
278.1	Obesity	1.377235	1.445526	1.410952	3.83E-171	67170	7271	59899	
278.11	Morbid obe	1.477305	1.568336	1.522144	4.88E-167	63575	3676	59899	
428.1	Congestive	1.629754	1.76763	1.697277	7.25E-144	69877	1352	68525	
428	Congestive	1.551164	1.671964	1.610441	5.68E-137	70336	1811	68525	
415.2	Chronic pul	1.730892	1.908016	1.817396	9.38E-128	71137	597	70540	
627	Menopausa	0.638023	0.683236	0.660347	8.79E-125	58330	7402	50928	
415	Pulmonary	1.587933	1.730264	1.657738	5.84E-118	71512	972	70540	
278	Overweight	1.269905	1.32756	1.298419	1.22E-117	69661	9762	59899	
509	Respiratory	1.574569	1.718443	1.645177	1.90E-110	69209	981	68228	
465	Acute uppe	0.707078	0.747833	0.727252	6.00E-110	62507	10911	51596	
627.2	Symptomat	0.609393	0.661881	0.635234	8.55E-103	55893	4965	50928	
509.1	Respiratory	1.623002	1.792087	1.705799	3.70E-99	68850	622	68228	
465.2	Acute phan	0.637842	0.691267	0.664154	1.69E-88	56993	5397	51596	
496	Chronic air	1.368046	1.465809	1.416183	5.81E-87	65560	2427	63133	
714.1	Rheumatoi	1.364517	1.462279	1.412705	2.29E-85	67138	2297	64841	
745	Pain in joint	0.795481	0.829294	0.812266	2.30E-85	67923	20433	47490	
318	Tobacco us	1.283356	1.35725	1.319893	3.56E-84	69271	4714	64557	
611	Abnormal f	0.676692	0.726972	0.701507	9.41E-84	67990	6257	61733	
476	Allergic rhir	0.722366	0.768864	0.745361	3.85E-76	61917	8115	53802	
415.21	Primary pul	1.662777	1.879577	1.768424	2.15E-74	70804	264	70540	
714	Rheumatoi	1.302572	1.388248	1.344877	2.52E-74	67955	3114	64841	
416	Cardiomega	1.430587	1.561889	1.495076	3.75E-72	71676	1136	70540	
571	Chronic live	1.31464	1.406239	1.359874	1.24E-71	67926	2736	65190	
216	Benign neo	0.593664	0.658503	0.625437	1.83E-70	69205	3319	65886	
798	Malaise anc	0.80828	0.843302	0.825663	3.93E-70	66111	19145	46966	
571.5	Other chroi	1.32297	1.41898	1.370368	1.28E-69	67682	2492	65190	
464	Acute sinus	0.692635	0.745581	0.718762	4.00E-69	57383	5787	51596	
585.1	Acute renal	1.530518	1.706614	1.616803	3.67E-67	68985	413	68572	
611.1	Abnormal r	0.66164	0.719834	0.690293	1.47E-66	66159	4426	61733	
585	Renal failur	1.346981	1.46287	1.404211	1.39E-58	69875	1303	68572	
316	Substance a	1.305221	1.40634	1.355248	1.78E-57	66957	2400	64557	

200 Myeloprolif	1.496842	1.678013	1.58594	1.36E-56	72108	368	71740
508 Pulmonary	1.290314	1.386966	1.338088	2.48E-56	70517	2289	68228
599 Other symp	0.7769	0.82143	0.798957	3.83E-56	68514	9775	58739
571.51 Cirrhosis of	1.440871	1.598798	1.518576	5.45E-56	65846	656	65190
200.1 Polycyther	1.606536	1.841089	1.720895	3.69E-55	67794	187	67607
761 Cervicalgia	0.726596	0.780421	0.753171	1.64E-54	69917	6019	63898
250.2 Type 2 diab	1.196994	1.261704	1.229012	3.19E-53	68157	5999	62158
250 Diabetes m	1.190088	1.252649	1.221052	9.84E-53	68612	6454	62158
626 Disorders o	0.761287	0.810224	0.785488	4.01E-52	59473	8545	50928
702 Degenerati	0.673967	0.738263	0.705594	7.27E-51	67782	3850	63932
569.2 Gastrointes	1.309542	1.421366	1.364961	3.35E-50	69071	1510	67561
743.9 Osteopenia	0.685682	0.749231	0.716962	5.10E-49	67797	4035	63762
785 Abdominal	0.833983	0.87038	0.852047	7.16E-49	67656	18775	48881
427.9 Palpitations	0.734684	0.790653	0.762303	1.39E-47	64806	5927	58879
276.4 Acid-base b	1.466894	1.65842	1.561502	3.12E-46	64428	344	64084
428.3 Heart failur	1.47495	1.670544	1.570847	4.56E-46	68885	360	68525
539 Bariatric su	1.309661	1.428251	1.368552	8.42E-46	73031	1265	71766
208 Benign neo	0.71072	0.772118	0.740973	1.19E-45	71988	4390	67598
573.4 Acute and s	1.684596	1.995185	1.836786	1.47E-45	65264	74	65190
626.1 Irregular m	0.765238	0.817863	0.791247	2.55E-43	58148	7220	50928
743 Osteoporos	0.769533	0.821392	0.795182	3.61E-43	71105	7343	63762
611.3 Lump or ma	0.676021	0.745385	0.710093	5.97E-43	64923	3190	61733
507 Pleurisy; pl	1.339819	1.478854	1.40864	2.94E-42	69124	896	68228
702.2 Seborrhic	0.655363	0.729108	0.691524	7.05E-42	69920	2785	67135
272.13 Mixed hype	0.746418	0.80387	0.774785	1.82E-41	60330	5418	54912
173 Neoplasm c	0.679839	0.750373	0.714478	1.19E-40	69037	3243	65794
599.3 Dysuria	0.738538	0.798372	0.768055	3.09E-40	63610	4871	58739
509.8 Dependenc	1.557999	1.820044	1.686754	5.01E-40	68360	132	68228
367.1 Myopia	0.632479	0.71357	0.6721	3.90E-38	70302	2308	67994
792 Abnormal F	0.725129	0.789263	0.756708	4.89E-38	65914	4493	61421
327.3 Sleep apne	1.189065	1.265681	1.227044	8.63E-38	65355	3642	61713
571.8 Liver absce	1.422831	1.618269	1.519724	1.79E-37	65504	314	65190
276.41 Acidosis	1.434615	1.637182	1.535254	2.25E-37	64377	293	64084

726	Peripheral c	0.774409	0.828897	0.801351	2.52E-37	65047	6160	58887
386.9	Dizziness ar	0.751124	0.811224	0.780781	2.05E-36	68818	4855	63963
289.8	Polycyther	1.466098	1.69081	1.577344	2.63E-36	65852	214	65638
286.2	Encounter f	1.266448	1.382869	1.324077	5.44E-36	69731	1362	68369
792.1	Papanicolac	0.71271	0.781512	0.746537	1.73E-35	65265	3844	61421
367	Disorders o	0.707764	0.777703	0.742145	2.49E-35	71472	3478	67994
276.6	Fluid overlc	1.477313	1.714803	1.594688	5.36E-35	64247	163	64084
610	Benign mar	0.669146	0.747015	0.707307	6.25E-35	64213	2480	61733
411.2	Myocardial	1.300046	1.438293	1.368426	3.65E-34	68239	865	67374
317	Alcohol-rel	1.267742	1.389258	1.328138	4.63E-34	65987	1430	64557
425	Cardiomyop	1.305692	1.447486	1.37617	4.75E-34	72639	732	71907
427.2	Atrial fibrill	1.231507	1.335405	1.282763	1.73E-33	60951	2072	58879
401	Hypertensic	1.11281	1.160434	1.136362	5.86E-33	70491	19684	50807
389	Hearing los	0.727487	0.796231	0.761325	2.49E-32	71141	3581	67560
427.21	Atrial fibrill	1.228993	1.334372	1.280984	3.59E-32	60882	2003	58879
496.2	Chronic brc	1.301243	1.44598	1.372922	3.72E-32	63879	746	63133
503	Pulmonary	1.464466	1.709137	1.585949	5.79E-32	68404	176	68228
496.21	Obstructive	1.328588	1.489578	1.408325	5.84E-32	63680	547	63133
425.1	Primary/int	1.309138	1.459868	1.384184	9.77E-32	72523	616	71907
411	Ischemic Hc	1.167125	1.242187	1.204261	1.38E-31	71543	4169	67374
272.11	Hyperchole	0.781556	0.840095	0.810486	4.04E-30	60446	5534	54912
599.5	Frequency c	0.735115	0.804569	0.76931	4.90E-30	62219	3480	58739
411.4	Coronary at	1.18055	1.265461	1.222546	7.85E-30	70519	3145	67374
760	Back pain	0.849367	0.89156	0.870301	2.85E-29	67861	12275	55586
585.31	Renal dialys	1.535491	1.849168	1.692311	2.96E-29	68639	67	68572
627.3	Postmenop	0.559817	0.665183	0.610762	3.80E-29	51976	1048	50928
513.3	Hypoventila	1.418762	1.65038	1.53539	4.47E-29	72112	183	71929
401.1	Essential hy	1.104558	1.152306	1.128173	5.63E-29	70040	19233	50807
626.13	Irregular m	0.71447	0.79037	0.751741	1.59E-28	53998	3070	50928
706	Diseases of	0.716486	0.792036	0.753591	1.94E-28	69106	3063	66043
585.32	End stage r	1.479226	1.75872	1.619737	2.61E-28	68673	101	68572
38	Septicemia	1.375177	1.583712	1.480061	6.73E-28	71325	243	71082
317.1	Alcoholism	1.275439	1.419435	1.347248	7.22E-28	65504	947	64557

613 Other nonn	0.709147	0.78722	0.747469	8.97E-28	70819	2669	68150
614.5 Inflammato	0.727878	0.802813	0.764701	7.26E-27	68529	3058	65471
585.3 Chronic ren	1.268369	1.412066	1.339887	9.32E-27	69319	747	68572
702.1 Actinic kera	0.652619	0.744815	0.697615	1.26E-26	68886	1751	67135
327.32 Obstructive	1.166295	1.250299	1.207998	1.64E-26	64566	2853	61713
428.4 Heart failur	1.339222	1.529857	1.433775	1.84E-26	68924	399	68525
428.2 Heart failur	1.357154	1.560755	1.458505	2.11E-26	68834	309	68525
394.7 Disease of t	1.344243	1.540388	1.4421	3.73E-26	68943	307	68636
375.1 Dry eyes	0.712066	0.79195	0.751284	5.57E-26	67666	2524	65142
614 Inflammato	0.758497	0.827125	0.7923	5.92E-26	69353	3882	65471
610.1 Cystic mast	0.654356	0.748023	0.700052	1.51E-25	63405	1672	61733
272 Disorders o	0.862043	0.903428	0.882565	1.57E-25	70083	15171	54912
272.1 Hyperlipide	0.862467	0.904076	0.883099	4.50E-25	69879	14967	54912
394 Rheumatic	1.274924	1.430208	1.352176	6.13E-25	69233	597	68636
198.4 Secondary i	1.376637	1.604355	1.490649	7.76E-25	67813	195	67618
591 Urinary trac	0.841276	0.889262	0.86506	1.27E-24	65679	9024	56655
458.9 Hypotensio	1.298847	1.47351	1.38646	2.22E-24	71201	436	70765
704 Diseases of	0.664479	0.758082	0.710156	2.41E-24	69587	1746	67841
994.2 Sepsis	1.411244	1.671508	1.543152	3.37E-24	73089	119	72970
455 Hemorrhoid	0.699923	0.785538	0.741848	3.58E-24	67938	2215	65723
627.22 Need for Hc	0.510619	0.634572	0.569944	3.73E-24	51625	697	50928
296.1 Bipolar	1.174637	1.269377	1.22167	4.30E-24	51275	2483	48792
994 Sepsis and i	1.385391	1.626081	1.507344	4.30E-24	73133	163	72970
797 Shock	1.415649	1.681604	1.550474	6.00E-24	73137	109	73028
452 Other veno	1.237731	1.376172	1.306825	3.73E-23	66586	863	65723
994.21 Septic choc	1.527661	1.902374	1.717168	6.69E-23	73001	31	72970
496.1 Emphysem:	1.269957	1.432546	1.35096	9.51E-23	63677	544	63133
840 Sprains and	0.777752	0.84563	0.811224	1.11E-22	67565	3999	63566
704.1 Alopecia	0.625057	0.731088	0.67652	1.45E-22	69107	1266	67841
512.8 Cough	0.850734	0.898055	0.874184	2.10E-22	59433	10131	49302
571.81 Portal hype	1.368576	1.612393	1.49125	6.14E-22	65369	179	65190
288.2 Elevated wl	1.232718	1.374302	1.303363	1.09E-21	66805	947	65858
743.11 Osteoporos	0.757088	0.832111	0.794029	1.10E-21	66936	3174	63762

614.52	Vaginitis an	0.70449	0.793555	0.748082	1.22E-21	67511	2040	65471
747.11	Cardiac shu	1.286088	1.467275	1.377389	1.23E-21	72402	465	71937
530.2	Esophageal	1.36494	1.610302	1.488894	1.68E-21	58182	138	58044
348	Other cond	1.224928	1.362108	1.293351	1.87E-21	64635	998	63637
381	Otitis medi	0.758724	0.834462	0.795992	5.52E-21	67416	3130	64286
470	Septal Devi	0.725754	0.810697	0.767422	6.99E-21	56157	2355	53802
628	Ovarian cys	0.729748	0.813881	0.771019	9.56E-21	53418	2490	50928
366	Cataract	0.80069	0.865052	0.832481	1.47E-20	71800	4615	67185
509.3	Pulmonary	1.376652	1.642626	1.511246	2.38E-20	68393	165	68228
198.5	Secondary i	1.357678	1.607524	1.483973	2.43E-20	67770	152	67618
709.3	Systemic sc	1.352035	1.597575	1.476794	2.46E-20	63557	143	63414
366.2	Senile catar	0.78828	0.856738	0.822063	2.92E-20	71074	3889	67185
512.9	Other dyspi	1.127333	1.203607	1.165128	5.46E-20	52928	3626	49302
389.1	Sensorineu	0.72087	0.809301	0.764217	8.40E-20	69645	2085	67560
562.1	Diverticulo	0.77894	0.850887	0.814413	8.40E-20	64044	3423	60621
694	Dyschromia	0.596918	0.716386	0.654589	8.80E-20	65376	952	64424
280	Iron deficie	1.221465	1.365148	1.293323	1.08E-19	67538	869	66669
562	Diverticulo	0.787967	0.857609	0.822328	1.39E-19	64334	3713	60621
198.2	Secondary i	1.316054	1.537265	1.427397	1.66E-19	67847	229	67618
513	Respiratory	1.233588	1.388941	1.311622	2.63E-19	72580	651	71929
625	Pain and ot	0.786925	0.857881	0.821894	5.34E-19	67790	3901	63889
564	Functional i	0.739955	0.824964	0.781675	6.86E-19	63080	2459	60621
327.4	Insomnia	0.769174	0.845898	0.806944	9.40E-19	64787	3074	61713
573.5	Jaundice (n	1.387924	1.684855	1.539637	1.05E-18	65303	113	65190
694.2	Other dyscl	0.594087	0.717541	0.653608	1.07E-18	65311	887	64424
276.1	Electrolyte	1.126775	1.207451	1.166828	2.15E-18	67299	3215	64084
707	Chronic ulc	1.269626	1.461751	1.366616	2.68E-18	72888	336	72552
707.1	Decubitus u	1.354432	1.625571	1.493099	3.17E-18	72663	111	72552
687.1	Rash and ot	0.782543	0.856681	0.819075	5.53E-18	63526	3275	60251
288	Diseases of	1.166714	1.277947	1.222093	5.64E-18	67497	1639	65858
726.1	Enthesopat	0.779407	0.854586	0.816452	6.06E-18	61984	3097	58887
687.4	Disturbanc	0.79651	0.866577	0.831075	7.78E-18	64018	3767	60251
502	Postinflamr	1.269128	1.46516	1.367447	1.04E-17	68618	390	68228

706.1 Acne	0.673974	0.780433	0.725761	1.07E-17	67619	1576	66043
155 Cancer of li	1.345374	1.614842	1.483247	1.14E-17	70891	114	70777
458 Hypotensio	1.19263	1.325832	1.259251	1.28E-17	71760	995	70765
426.92 Cardiac def	1.30494	1.535011	1.42088	1.41E-17	59098	219	58879
523.1 Gingivitis	0.550257	0.687813	0.616027	1.76E-17	69031	703	68328
743.1 Osteoporos	0.802194	0.871341	0.836326	2.39E-17	67761	3999	63762
578 Gastrointes	0.759547	0.842189	0.800153	2.66E-17	66567	2660	63907
371.2 Conjunctivi	0.707164	0.805616	0.755299	3.23E-17	65176	1624	63552
611.11 Mammogra	0.622971	0.744333	0.681673	3.25E-17	62653	920	61733
504 Other alvec	1.32024	1.568826	1.445776	3.38E-17	68428	200	68228
287.3 Thrombocy	1.235169	1.408068	1.322196	5.34E-17	68904	535	68369
381.2 Eustachian	0.700102	0.801473	0.749592	6.63E-17	65878	1592	64286
172 Skin cancer	0.750887	0.837142	0.793258	6.96E-17	68133	2339	65794
564.1 Irritable Bo	0.728816	0.822	0.77445	8.35E-17	62638	2017	60621
480 Pneumonia	1.141831	1.24005	1.190713	1.07E-16	64821	1942	62879
276.42 Alkalosis	1.419137	1.784992	1.6079	1.11E-16	64131	47	64084
386 Vertiginous	0.673914	0.783566	0.727271	1.24E-16	65229	1266	63963
348.7 Coma	1.385721	1.71065	1.551043	1.28E-16	63725	88	63637
371 Inflammatic	0.780762	0.858281	0.818943	1.34E-16	66454	2902	63552
379.2 Disorders o	0.713744	0.812885	0.762234	2.82E-16	66747	1605	65142
198 Secondary i	1.174563	1.301401	1.237775	3.26E-16	68715	1097	67618
523 Gingival an	0.605163	0.734779	0.667585	3.34E-16	69195	867	68328
939 Atopic/conf	0.779376	0.858492	0.818321	4.37E-16	65142	2848	62294
382 Otagia	0.651181	0.769011	0.708314	4.43E-16	65376	1090	64286
797.1 Cardiogenic	1.425027	1.814372	1.627399	5.53E-16	73061	33	73028
727 Other disor	0.805573	0.876534	0.840597	7.53E-16	62457	3570	58887
155.1 Malignant r	1.340256	1.632423	1.490811	8.65E-16	70868	91	70777
569 Other disor	1.121385	1.208548	1.164747	1.36E-15	70304	2743	67561
593 Hematuria	0.791307	0.868093	0.82914	2.20E-15	59741	3086	56655
172.2 Other non-r	0.735278	0.830467	0.781927	2.39E-15	67661	1867	65794
472 Chronic pha	0.730179	0.827319	0.777734	3.08E-15	55541	1739	53802
380.4 Impacted c	0.699571	0.806391	0.75167	3.47E-15	70611	1371	69240
568.1 Peritoneal a	1.239593	1.433909	1.338027	3.59E-15	67919	358	67561



418 Nonspecific	0.896458	0.936474	0.916323	4.36E-15	69334	14999	54335
747.1 Cardiac con	1.197661	1.353018	1.27571	4.61E-15	72694	757	71937
627.1 Postmenop	0.651662	0.773198	0.710586	4.89E-15	51852	924	50928
613.5 Mastodyn	0.648824	0.772167	0.708543	8.61E-15	69131	981	68150
475 Chronic sin	0.794961	0.872133	0.832989	1.07E-14	56845	3043	53802
327 Sleep disor	0.840142	0.901379	0.870439	1.07E-14	67087	5374	61713
70.4 Chronic hep	1.237062	1.434339	1.337028	1.12E-14	63467	345	63122
165 Cancer with	1.219353	1.400174	1.310432	1.51E-14	73093	418	72675
578.8 Hemorrhag	0.663055	0.783394	0.721402	1.67E-14	65006	1099	63907
495.1 Chronic obs	1.237362	1.437168	1.338277	1.86E-14	63483	350	63133
285 Other anem	1.133148	1.235662	1.184161	1.95E-14	68591	1922	66669
510 Other disea	1.126945	1.224728	1.175608	2.44E-14	72592	1994	70598
317.11 Alcoholic liv	1.343596	1.669099	1.512659	2.75E-14	64633	76	64557
165.1 Cancer of b	1.217957	1.400338	1.309863	2.85E-14	73085	410	72675
550 Abdominal	1.114483	1.202198	1.158111	3.01E-14	72317	2591	69726
286 Coagulator	1.147928	1.26468	1.206151	3.21E-14	69911	1542	68369
427.42 Cardiac arr	1.32878	1.637917	1.48771	4.13E-14	58969	90	58879
626.11 Absent or ir	0.725792	0.82813	0.775782	4.58E-14	52666	1738	50928
292.4 Altered me	1.154366	1.278411	1.216361	5.13E-14	68081	1153	66928
426.9 Cardiac pac	1.185626	1.338666	1.261843	5.43E-14	59596	717	58879
741 Symptoms	0.834663	0.899455	0.866697	6.35E-14	69768	4557	65211
379 Other disor	0.764792	0.854552	0.808884	6.86E-14	67249	2107	65142
389.4 Tinnitus	0.645311	0.77359	0.707348	7.20E-14	68454	894	67560
260 Protein-calc	1.19258	1.354367	1.273779	8.03E-14	62613	617	61996
78 Viral warts	0.691036	0.805489	0.746693	8.06E-14	64439	1317	63122
289 Other disea	1.219713	1.409469	1.315455	8.99E-14	66287	429	65858
513.4 Hyperventil	1.290547	1.563244	1.431076	1.42E-13	72081	152	71929
280.1 Iron deficie	1.185145	1.343579	1.264615	2.07E-13	67399	730	66669
427.12 Paroxysmal	1.213461	1.401037	1.307788	2.12E-13	59299	420	58879
180.3 Cervical int	0.718699	0.825809	0.770939	2.15E-13	62999	1578	61421
701 Other hype	0.776761	0.863866	0.819571	2.18E-13	70404	2343	68061
735 Acquired fo	0.760132	0.853816	0.806096	3.63E-13	69096	1933	67163
415.1 Acute pulm	1.23433	1.448503	1.342917	4.02E-13	70864	324	70540

572 Ascites (noi	1.213504	1.405077	1.310145	4.52E-13	65669	479	65190
297 Suicidal ide	1.142338	1.262614	1.202183	5.42E-13	50360	1568	48792
627.21 Symptomat	0.567775	0.723241	0.641955	7.17E-13	51444	516	50928
473.4 Voice distu	0.709994	0.822141	0.764683	7.54E-13	55049	1247	53802
427.4 Cardiac arr	1.286899	1.570214	1.43232	8.09E-13	59005	126	58879
286.4 Acquired cc	1.398101	1.84555	1.633101	9.18E-13	68396	27	68369
568 Other disor	1.201793	1.385486	1.294675	9.69E-13	68008	447	67561
599.9 Other abno	0.74184	0.843613	0.791661	1.07E-12	60347	1608	58739
841 Sprains and	0.76473	0.858747	0.81084	1.36E-12	65577	2011	63566
276.13 Hyperpotas	1.188953	1.361121	1.275439	1.58E-12	64620	536	64084
741.2 Stiffness of	0.706587	0.821978	0.762795	2.31E-12	66426	1215	65211
348.2 Cerebral ed	1.197791	1.381217	1.289836	2.34E-12	64192	555	63637
495 Asthma	1.083245	1.152907	1.117835	2.43E-12	67995	4862	63133
429.1 Heart trans	1.325477	1.674062	1.506823	2.63E-12	68620	95	68525
300.1 Anxiety disc	0.874303	0.927213	0.900526	2.75E-12	56892	8100	48792
394.1 Mitral valve	1.276195	1.555509	1.418318	2.91E-12	68759	123	68636
174 Breast canc	0.796265	0.87999	0.83749	3.60E-12	66961	2580	64381
979 Adverse dru	1.153542	1.292522	1.223123	3.79E-12	69584	987	68597
501 Pneumoniti	1.307999	1.63478	1.476758	3.88E-12	68330	102	68228
371.21 Allergic con	0.724079	0.834741	0.778114	4.75E-12	64863	1311	63552
260.1 Cachexia	1.335577	1.711802	1.532362	5.59E-12	62043	47	61996
479 Other uppe	0.788867	0.87616	0.831795	6.09E-12	56182	2380	53802
446 Polyarteriti	1.23219	1.464237	1.350843	6.27E-12	69645	227	69418
579.2 Splenomeg	1.251458	1.51085	1.384815	8.71E-12	64095	188	63907
287 Purpura an	1.168341	1.327312	1.248183	9.10E-12	69081	712	68369
415.11 Pulmonary	1.224226	1.449812	1.33895	1.08E-11	70834	294	70540
425.2 Secondary/	1.224807	1.45387	1.3414	1.50E-11	72143	236	71907
504.1 Idiopathic f	1.285706	1.595713	1.444377	1.61E-11	68344	116	68228
374 Other disor	0.760511	0.860168	0.809385	1.69E-11	65248	1696	63552
300.9 Posttrauma	1.132487	1.256199	1.194097	1.94E-11	50234	1442	48792
401.22 Hypertensio	1.200495	1.400926	1.299885	2.46E-11	51156	349	50807
613.8 Other speci	0.653299	0.792359	0.720426	2.75E-11	68930	780	68150
550.6 Incisional h	1.207023	1.420488	1.31558	3.42E-11	70031	305	69726

473 Diseases of	0.753491	0.857171	0.804262	3.54E-11	55346	1544	53802
174.1 Breast canc	0.799656	0.885625	0.841978	4.07E-11	66832	2451	64381
295.1 Schizophre	1.173127	1.347867	1.260918	5.60E-11	49340	548	48792
938.2 Chronic der	0.544466	0.719934	0.627535	6.37E-11	62696	402	62294
626.12 Excessive o	0.796066	0.884596	0.83959	8.12E-11	53299	2371	50928
70.3 Viral hepati	1.147328	1.29464	1.221048	8.91E-11	63953	831	63122
174.11 Malignant r	0.800396	0.887362	0.843204	9.17E-11	66776	2395	64381
172.21 Basal cell c	0.543812	0.72085	0.627545	9.33E-11	66196	402	65794
295 Schizophre	1.12766	1.25317	1.190306	9.50E-11	49956	1164	48792
261.4 Vitamin D c	0.869334	0.927709	0.898241	9.64E-11	67991	5995	61996
276.14 Hypopotas	1.103951	1.203871	1.153649	9.92E-11	66105	2021	64084
276 Disorders o	1.065496	1.127016	1.09605	1.50E-10	70218	6134	64084
695.3 Rosacea	0.649592	0.795773	0.720029	2.29E-10	65153	729	64424
747.13 Congenital	1.265488	1.581491	1.429355	2.29E-10	72080	143	71937
747 Cardiac anc	1.139213	1.282462	1.210965	2.33E-10	72903	966	71937
938 Dermatitis	0.573519	0.745108	0.655119	2.44E-10	62741	447	62294
513.32 Orthopnea	1.284365	1.6383	1.470727	2.61E-10	71996	67	71929
386.2 Peripheral	0.677616	0.814887	0.744044	3.37E-10	64779	816	63963
610.3 Fibrosclero	0.459031	0.664198	0.554049	3.82E-10	61984	251	61733
835 Internal der	0.763248	0.868047	0.814553	4.14E-10	70558	1645	68913
180 Cervical car	0.765466	0.870209	0.816709	6.12E-10	63162	1741	61421
217.1 Nevus, non	0.460065	0.667388	0.556026	6.37E-10	66139	253	65886
70 Viral hepati	1.129768	1.267425	1.198525	6.58E-10	64112	990	63122
365 Glaucoma	0.787808	0.883519	0.834824	6.80E-10	70299	1864	68435
610.4 Benign neo	0.661983	0.807115	0.732005	6.96E-10	62448	715	61733
625.1 Dyspareuni	0.607393	0.772104	0.686051	7.60E-10	64461	572	63889
274.1 Gout	1.158053	1.332341	1.245533	7.84E-10	72754	491	72263
297.1 Suicidal ide	1.124574	1.257017	1.190567	8.05E-10	50055	1263	48792
622 Polyp of fer	0.689501	0.825658	0.755431	1.07E-09	72046	882	71164
427.22 Atrial flutte	1.169614	1.362577	1.26643	1.23E-09	59305	426	58879
701.2 Scar conditi	0.681654	0.821604	0.749356	1.40E-09	68873	812	68061
280.2 Iron deficie	1.237736	1.536444	1.391494	1.58E-09	66816	147	66669
365.1 Open-angle	0.756973	0.86807	0.811318	2.18E-09	69761	1326	68435

198.3	Secondary i	1.253557	1.587895	1.427717	2.18E-09	67702	84	67618
374.6	Dermatoch	0.739762	0.858102	0.797554	2.33E-09	64715	1163	63552
613.7	Other signs	0.641951	0.798544	0.717171	2.41E-09	68756	606	68150
512.7	Shortness c	1.054229	1.110437	1.082105	2.59E-09	56852	7550	49302
290.2	Delirium du	1.209108	1.471927	1.344199	2.88E-09	67089	161	66928
521	Diseases of	0.719438	0.846808	0.78134	3.00E-09	69381	1053	68328
370.31	Keratoconji	0.636699	0.796164	0.713278	3.17E-09	64105	553	63552
854	Complicatic	1.203793	1.4596	1.335485	3.24E-09	71060	196	70864
969	Poisoning b	1.184607	1.410593	1.29905	4.00E-09	68961	364	68597
195	Cancer, sus	1.155842	1.340738	1.248969	4.04E-09	68091	473	67618
550.5	Ventral her	1.185129	1.414391	1.302054	4.38E-09	69995	269	69726
369	Infection of	0.720924	0.849692	0.783544	6.03E-09	64549	997	63552
217	Vascular ha	0.510454	0.715248	0.606133	6.09E-09	66178	292	65886
696.42	Psoriatic ar	1.148794	1.328297	1.239533	6.29E-09	62130	497	61633
440	Atheroscler	1.116696	1.251714	1.184005	6.43E-09	70361	943	69418
627.5	Premature	0.52326	0.725248	0.617921	7.60E-09	51210	282	50928
395	Heart valve	1.084277	1.179872	1.131786	9.19E-09	70806	2170	68636
520	Disorders o	0.570903	0.758677	0.659601	9.82E-09	68788	460	68328
411.8	Other chroi	1.128268	1.282079	1.205127	1.01E-08	68097	723	67374
340	Migraine	0.858551	0.927954	0.89285	1.10E-08	70686	4471	66215
550.2	Diaphragm:	1.091863	1.197997	1.144728	1.11E-08	71416	1690	69726
772.2	Spasm of m	0.741046	0.86343	0.800684	1.21E-08	69333	1168	68165
727.4	Ganglion ar	0.65262	0.811404	0.72897	1.28E-08	59486	599	58887
735.3	Hallux valgu	0.6959	0.837338	0.764401	1.28E-08	67944	781	67163
426.91	Cardiac pac	1.140338	1.315259	1.227665	1.68E-08	59422	543	58879
370.3	Keratoconji	0.667094	0.821378	0.741478	1.78E-08	64175	623	63552
521.1	Dental cari	0.72637	0.856454	0.789588	1.92E-08	69347	1019	68328
359.2	Myopathy	1.192244	1.454994	1.327534	2.06E-08	70606	176	70430
256.4	Polycystic c	1.117743	1.262723	1.189907	2.29E-08	68134	1139	66995
348.8	Encephalop	1.172577	1.401318	1.288204	2.37E-08	63952	315	63637
520.2	Disturbanc	0.573713	0.765137	0.66408	2.54E-08	68776	448	68328
198.6	Secondary i	1.184271	1.436407	1.313114	2.71E-08	67827	209	67618
747.12	Valvular he	1.202549	1.488294	1.349431	3.12E-08	72143	206	71937

727.1	Synovitis ar	0.81277	0.905877	0.85859	3.60E-08	60918	2031	58887
395.6	Heart valve	1.217785	1.540883	1.386341	3.71E-08	68736	100	68636
483	Acute bron	0.840888	0.920981	0.880397	4.08E-08	65923	3044	62879
790.8	Elevated C-	1.15445	1.362305	1.260029	4.15E-08	68538	349	68189
578.2	Blood in stc	0.752041	0.873444	0.811242	4.32E-08	65145	1238	63907
286.5	Hemorrhag	1.216352	1.537349	1.382111	4.47E-08	68470	101	68369
626.2	Dysmenorri	0.730105	0.861419	0.793913	4.55E-08	51978	1050	50928
962.1	Adrenal cor	1.229856	1.582185	1.41464	4.63E-08	68688	91	68597
359	Muscular d	1.178178	1.42875	1.306781	4.72E-08	70640	210	70430
81	Infection/ir	1.179618	1.437602	1.312269	6.34E-08	72623	204	72419
285.2	Anemia of c	1.220333	1.558341	1.395921	6.44E-08	66769	100	66669
285.1	Acute postf	1.159723	1.380714	1.271286	6.62E-08	67018	349	66669
367.8	Hypermetr	0.554532	0.757948	0.650206	6.79E-08	68315	321	67994
250.6	Polyneurop	1.128255	1.299318	1.214017	7.00E-08	62724	566	62158
191.11	Cancer of b	1.1676	1.406008	1.289504	7.46E-08	72258	262	71996
555.1	Regional er	1.123503	1.287811	1.205832	7.56E-08	61364	743	60621
395.3	Nonrheuma	1.189173	1.46957	1.33311	8.71E-08	68794	158	68636
962	Poisoning b	1.203874	1.514509	1.364795	8.97E-08	68738	141	68597
642	Hypertensic	1.116795	1.271672	1.19372	9.10E-08	72860	1022	71838
282	Hereditary	1.137415	1.323501	1.229368	9.30E-08	67374	705	66669
261	Vitamin def	0.894678	0.949731	0.921968	9.66E-08	69000	7004	61996
742.9	Other dera	0.660091	0.824459	0.739052	9.93E-08	65799	588	65211
586	Other disor	1.085287	1.195307	1.140075	1.02E-07	70258	1686	68572
250.24	Type 2 diab	1.113398	1.265142	1.189181	1.04E-07	62904	746	62158
204.2	Myeloid leu	1.213036	1.549309	1.38856	1.05E-07	71848	108	71740
509.2	Respiratory	1.196732	1.496825	1.351093	1.15E-07	68391	163	68228
614.51	Cervicitis ar	0.686467	0.840395	0.760683	1.17E-07	66181	710	65471
706.2	Sebaceous	0.754454	0.877934	0.814699	1.17E-07	67185	1142	66043
618	Genital pro	0.770107	0.886437	0.827002	1.22E-07	72704	1294	71410
615	Endometric	0.718006	0.858576	0.786132	1.34E-07	66393	922	65471
710.1	Osteomyeli	1.181441	1.462398	1.327193	1.62E-07	64920	153	64767
304	Adjustment	0.814531	0.910692	0.86181	1.76E-07	50889	2097	48792
255.11	Cushing's sy	1.194118	1.502002	1.354394	1.76E-07	67132	137	66995

191.1 Cancer of b	1.156455	1.388527	1.274875	1.82E-07	72281	285	71996
370 Keratitis	0.745775	0.874873	0.808692	1.88E-07	64552	1000	63552
618.1 Prolapse of	0.74737	0.875902	0.810012	1.97E-07	72442	1032	71410
707.2 Chronic ulc	1.177774	1.453761	1.31961	2.13E-07	72719	167	72552
420 Carditis	1.152638	1.380099	1.26836	2.17E-07	72199	292	71907
444 Arterial em	1.179658	1.462267	1.325883	2.17E-07	69567	149	69418
112.3 Candidiasis	1.195331	1.515343	1.362859	2.33E-07	66464	101	66363
250.22 Type 2 diab	1.14881	1.369834	1.26051	2.36E-07	62461	303	62158
218.1 Uterine leic	0.819978	0.914339	0.866377	2.46E-07	67527	2041	65486
722 Interverteb	0.878727	0.943488	0.910791	2.60E-07	67393	4761	62632
204.22 Myeloid leu	1.242623	1.694808	1.48584	2.62E-07	71782	42	71740
561 Symptoms	0.686239	0.843919	0.762287	2.72E-07	61280	659	60621
619 Noninflamr	0.855533	0.932291	0.893414	2.73E-07	70257	3565	66692
241 Nontoxic ne	0.845238	0.927203	0.885677	2.74E-07	61325	2859	58466
296 Mood disor	1.037451	1.08571	1.061401	2.77E-07	60111	11319	48792
790.1 Elevated se	1.130856	1.3245	1.228778	3.13E-07	68613	424	68189
41.4 E. coli	1.166303	1.427674	1.300641	3.16E-07	71288	206	71082
555 Inflammato	1.101181	1.245053	1.173041	3.48E-07	61621	1000	60621
276.11 Hyperosmo	1.21437	1.593728	1.41508	3.66E-07	64159	75	64084
371.3 Inflammato	0.747463	0.878901	0.81152	4.38E-07	64496	944	63552
871.2 Open woun	0.667634	0.836206	0.748544	4.66E-07	69285	596	68689
369.5 Conjunctivi	0.705563	0.857209	0.778904	4.94E-07	64267	715	63552
742 Derangeme	0.714064	0.862432	0.7859	5.73E-07	65994	783	65211
622.2 Mucous po	0.570617	0.781345	0.669737	5.85E-07	71483	319	71164
426 Cardiac con	1.071258	1.172069	1.121296	6.00E-07	60872	1993	58879
475.9 Postnasal d	0.70002	0.855386	0.775105	6.38E-07	54468	666	53802
289.4 Lymphader	0.810533	0.912547	0.860578	6.91E-07	67784	1926	65858
259 Other endo	0.707761	0.860426	0.781513	7.60E-07	67787	792	66995
478 Throat pain	0.650677	0.82941	0.736201	7.64E-07	54299	497	53802
297.2 Suicide or s	1.132748	1.343671	1.238837	8.67E-07	49253	461	48792
218 Benign neo	0.831876	0.923797	0.877118	9.45E-07	67668	2182	65486
38.3 Bacteremia	1.194152	1.554263	1.384116	1.01E-06	71170	88	71082
292.3 Memory lo:	0.762349	0.889882	0.824572	1.03E-06	67993	1065	66928

721 Spondylosis	0.864834	0.939767	0.90188	1.11E-06	66038	3406	62632
931 Contact der	0.426576	0.69333	0.547003	1.15E-06	62443	149	62294
80 Postoperati	1.139407	1.3728	1.25844	1.27E-06	72710	291	72419
189.1 Cancer of k	1.1226	1.323655	1.22431	1.43E-06	72983	389	72594
282.8 Other hemo	1.257901	1.838487	1.570406	1.47E-06	66695	26	66669
626.8 Infertility, f	0.64667	0.831279	0.734769	1.53E-06	51430	502	50928
301 Personality	1.121976	1.323534	1.22356	1.66E-06	49262	470	48792
560.1 Paralytic ile	1.1421	1.386711	1.266822	1.68E-06	60857	236	60621
301.2 Antisocial/t	1.145204	1.398802	1.274421	1.90E-06	49069	277	48792
291.8 Alteration c	1.095657	1.249709	1.172764	2.05E-06	67721	793	66928
557 Intestinal nr	1.12856	1.351444	1.241507	2.48E-06	60954	333	60621
565 Anal and re	0.792495	0.908203	0.849141	2.58E-06	68961	1400	67561
524 Dentofacial	0.634954	0.82883	0.727159	2.81E-06	68776	448	68328
626.4 Premenstru	0.42296	0.70059	0.547686	2.99E-06	51075	147	50928
592 Cystitis and	0.758181	0.892331	0.823508	3.01E-06	57639	984	56655
743.12 Senile osteo	0.783843	0.904761	0.843041	3.11E-06	64928	1166	63762
241.1 Nontoxic ur	0.795175	0.910265	0.851548	3.19E-06	59841	1375	58466
110 Dermatoph	0.809418	0.916982	0.862204	3.22E-06	67893	1530	66363
514 Abnormal f	1.081077	1.213611	1.147243	3.22E-06	72296	1041	71255
912 Insect bite	0.689856	0.858611	0.771068	3.26E-06	71142	580	70562
286.9 Abnormal c	1.17369	1.524469	1.357736	3.65E-06	68471	102	68369
197 Chemother	1.101406	1.275128	1.188537	3.76E-06	68223	605	67618
696.4 Psoriasis	1.081181	1.21639	1.148825	3.90E-06	62658	1025	61633
634.1 Missed abo	0.689736	0.860134	0.771592	4.19E-06	67989	656	67333
585.34 Chronic Kid	1.183099	1.57647	1.392347	4.21E-06	68633	61	68572
189 Cancer of u	1.102148	1.281379	1.192313	4.68E-06	73109	515	72594
703 Diseases of	0.617629	0.823869	0.715408	5.29E-06	68183	342	67841
782.3 Edema	1.04993	1.131137	1.090267	5.42E-06	70261	3077	67184
721.1 Spondylosis	0.865564	0.944011	0.904334	5.55E-06	65720	3088	62632
642.1 Preeclamps	1.122952	1.346843	1.23468	5.55E-06	72295	457	71838
195.1 Malignant r	1.12329	1.352178	1.239358	5.56E-06	67925	307	67618
331 Other cerek	1.102173	1.283746	1.19298	5.70E-06	64179	542	63637
454.1 Varicose ve	0.67775	0.855971	0.763255	5.81E-06	66231	508	65723

801 Fracture of	0.814785	0.921677	0.867246	5.95E-06	68201	1674	66527
526 Diseases of	0.744601	0.889079	0.814732	5.99E-06	69206	878	68328
528 Diseases of	0.73204	0.883901	0.805609	7.04E-06	71412	770	70642
295.3 Psychosis	1.093729	1.262129	1.178155	7.18E-06	49416	624	48792
597 Other disor	0.691033	0.864478	0.774472	7.81E-06	70256	552	69704
636.3 Hemorrhag	0.793545	0.913358	0.852063	8.13E-06	68853	1520	67333
710.19 Unspecifie	1.163193	1.522018	1.352916	8.18E-06	64851	84	64767
592.1 Cystitis	0.758114	0.897426	0.825898	8.89E-06	57567	912	56655
495.11 Chronic obs	1.171155	1.554708	1.373291	9.18E-06	63216	83	63133
352.1 Trigeminal	0.677071	0.858755	0.764233	9.40E-06	67083	489	66594
587 Kidney repl	1.170709	1.554882	1.373462	9.59E-06	68658	86	68572
916 Contusion	0.859768	0.943129	0.900894	9.87E-06	71034	2914	68120
246 Other disor	0.762935	0.900323	0.829836	1.02E-05	59404	938	58466
340.1 Migrain wit	0.743777	0.891571	0.815465	1.03E-05	67086	871	66215
830 Dislocation	0.82239	0.927221	0.873892	1.07E-05	70633	1720	68913
283 Acquired he	1.214568	1.806085	1.536366	1.11E-05	66697	28	66669
110.1 Dermatoph	0.80888	0.921567	0.864141	1.15E-05	67749	1386	66363
440.1 Atheroscler	1.137222	1.425992	1.28609	1.18E-05	69568	150	69418
871 Open woun	0.812626	0.923446	0.866963	1.21E-05	70293	1604	68689
728.7 Fasciitis	0.765459	0.90272	0.832371	1.31E-05	59795	908	58887
593.2 Microscopi	0.724604	0.883974	0.801713	1.33E-05	57304	649	56655
788 Syncope an	0.87009	0.948696	0.908917	1.51E-05	71828	3343	68485
189.11 Malignant r	1.107597	1.32339	1.216942	1.51E-05	72933	339	72594
41 Bacterial in	1.07356	1.210865	1.141988	1.54E-05	72161	1079	71082
255 Disorders o	1.083878	1.245796	1.165037	1.71E-05	67705	710	66995
575 Other biliar	1.082875	1.243509	1.163233	1.84E-05	71132	755	70377
198.1 Secondary i	1.091187	1.27222	1.182059	1.93E-05	68160	542	67618
446.5 Giant cell a	1.163429	1.56688	1.375207	1.96E-05	69474	56	69418
285.22 Anemia in r	1.180207	1.666271	1.441956	1.97E-05	66709	40	66669
454.11 Varicose ve	0.645565	0.849376	0.742512	2.14E-05	66100	377	65723
440.2 Atheroscler	1.10596	1.326509	1.217518	2.15E-05	69725	307	69418
791 Gangrene	1.179495	1.696203	1.462904	2.20E-05	73172	30	73142
972.6 Antihyperte	1.196592	1.806197	1.532289	2.23E-05	68618	21	68597



619.3 Noninflamr	0.638781	0.847163	0.737687	2.44E-05	67072	380	66692
228 Hemangion	0.681162	0.867786	0.770603	2.50E-05	72366	483	71883
701.4 Keloid scar	0.573572	0.814564	0.686251	2.62E-05	68301	240	68061
191 Malignant a	1.099893	1.309838	1.206005	2.63E-05	72394	398	71996
414 Other form	1.074498	1.222559	1.148402	2.64E-05	68208	834	67374
525.1 Loss of teet	0.487832	0.767817	0.615478	2.79E-05	68487	159	68328
292.6 Hallucinatic	1.127544	1.415939	1.275049	2.83E-05	67127	199	66928
420.3 Endocarditi	1.169699	1.659834	1.437546	2.83E-05	71944	37	71907
766 Neuralgia, r	0.787786	0.916513	0.850702	2.84E-05	67878	1054	66824
524.3 Anomalies r	0.647206	0.85288	0.744906	2.91E-05	68741	413	68328
411.1 Unstable ar	1.07463	1.227272	1.150883	3.34E-05	68162	788	67374
245 Thyroiditis	0.790551	0.918751	0.853178	3.48E-05	59644	1178	58466
972 Poisoning b	1.145318	1.507788	1.33464	3.48E-05	68699	102	68597
241.2 Nontoxic m	0.840799	0.939543	0.889401	3.53E-05	60387	1921	58466
300 Anxiety, ph	0.923489	0.971963	0.947545	3.65E-05	59201	10409	48792
763 Thoracic or	0.812485	0.928582	0.869427	4.05E-05	68164	1340	66824
110.11 Dermatoph	0.7925	0.920503	0.855086	4.19E-05	67414	1051	66363
592.13 Chronic inte	0.652454	0.858619	0.750586	4.28E-05	57041	386	56655
367.2 Astigmatism	0.732249	0.894973	0.810939	4.29E-05	68667	673	67994
175 Acquired ak	0.671752	0.867787	0.765506	4.37E-05	60816	412	60404
282.9 Other here	1.09165	1.288855	1.188771	4.52E-05	67311	642	66669
446.9 Arteritis NC	1.131318	1.464511	1.305303	4.73E-05	69540	122	69418
735.23 Hallux rigid	0.534711	0.801028	0.657793	4.96E-05	67351	188	67163
244.4 Hypothyroi	0.919431	0.971164	0.945096	5.26E-05	66924	8458	58466
345.3 Convulsion:	1.048404	1.147373	1.097526	5.26E-05	66007	2370	63637
765 Cervical rac	0.780865	0.917052	0.847313	5.40E-05	67787	963	66824
722.6 Degenerati	0.883613	0.957812	0.920321	5.43E-05	66153	3521	62632
696 Psoriasis an	1.062508	1.195279	1.128844	5.47E-05	62719	1086	61633
260.3 Adult failur	1.132804	1.479806	1.31241	5.96E-05	62094	98	61996
274.11 Gouty arthr	1.110737	1.379541	1.247721	6.05E-05	72452	189	72263
244 Hypothyroi	0.923498	0.973074	0.948099	6.46E-05	67823	9357	58466
531 Peptic ulcer	1.073944	1.241107	1.157687	7.30E-05	72197	652	71545
427.7 Tachycardia	1.045888	1.143526	1.094401	7.44E-05	61196	2317	58879

380.1 Otitis exter	0.70438	0.887625	0.792448	8.13E-05	69751	511	69240
296.22 Major depr	1.037752	1.117754	1.077486	8.17E-05	52338	3546	48792
840.2 Rotator cuff	0.725765	0.896934	0.808483	8.42E-05	64126	560	63566
573 Other disor	1.064209	1.208639	1.136202	8.43E-05	66158	968	65190
275.3 Disorders o	1.118638	1.440114	1.285826	8.89E-05	71045	127	70918
681.5 Cellulitis an	1.079247	1.265396	1.172498	8.94E-05	66337	529	65808
348.9 Other cond	1.060419	1.196307	1.128013	9.02E-05	64718	1081	63637
573.3 Hepatomeg	1.129357	1.487449	1.315059	9.20E-05	65313	123	65190
735.2 Acquired tc	0.75363	0.909248	0.829229	9.33E-05	67852	689	67163
709.4 Polymyositi	1.131542	1.521195	1.337856	9.65E-05	63483	69	63414
420.2 Pericarditis	1.100797	1.357855	1.231598	9.95E-05	72147	240	71907
433 Cerebrovas	1.035106	1.111549	1.073044	0.000105	71937	3550	68387
426.2 Atrioventric	1.088169	1.307152	1.198313	0.000108	59214	335	58879
580.4 Renal sclerc	1.132474	1.537132	1.347563	0.000109	68645	73	68572
531.5 Gastrojejun	1.146555	1.658193	1.425801	0.000109	71582	37	71545
228.1 Hemangion	0.605145	0.846378	0.71848	0.000114	72147	264	71883
565.1 Anal and re	0.693075	0.885814	0.785524	0.000117	68004	443	67561
840.3 Joint/ligam	0.751254	0.910008	0.828206	0.000117	64295	729	63566
204 Leukemia	1.087771	1.310609	1.199967	0.000126	72103	363	71740
724 Other and u	0.771122	0.918497	0.842852	0.000128	63446	814	62632
278.3 Localized ac	1.110676	1.416103	1.267314	0.000129	60068	169	59899
172.3 Carcinoma	0.456525	0.772208	0.598198	0.00013	65910	116	65794
38.2 Gram positi	1.146934	1.743395	1.478621	0.000134	71106	24	71082
250.12 Type 1 diab	1.137911	1.579854	1.371701	0.000136	62229	71	62158
560 Intestinal o	1.068498	1.236116	1.152359	0.000137	61249	628	60621
624 Symptoms i	0.753173	0.912004	0.830112	0.000138	64610	721	63889
276.12 Hyposmola	1.067633	1.232955	1.150178	0.000139	64752	668	64084
573.2 Liver replac	1.145096	1.713845	1.457506	0.000152	65220	30	65190
612 Breast conc	0.759844	0.915551	0.835427	0.000158	62454	721	61733
481 Influenza	0.729226	0.903558	0.813275	0.000158	63458	579	62879
362 Other retin	0.841327	0.946305	0.892988	0.000162	69904	1639	68265
204.21 Myeloid leu	1.124076	1.513831	1.328841	0.000163	71831	91	71740
274 Gout and o	1.064753	1.227269	1.145892	0.000171	72901	638	72263

964 Poisoning b	1.139437	1.746338	1.477972	0.000174	68619	22	68597
345 Epilepsy, re	1.038127	1.128186	1.082813	0.000178	66541	2904	63637
302 Sexual and	0.578575	0.839628	0.700213	0.000179	49016	224	48792
285.21 Anemia in c	1.133931	1.602087	1.38389	0.00018	66720	51	66669
722.1 Displaceme	0.825051	0.940986	0.881946	0.000181	64025	1393	62632
622.1 Polyp of col	0.731468	0.905588	0.815521	0.000184	71741	577	71164
634 Miscarriage	0.807817	0.934866	0.869857	0.000184	68681	1348	67333
612.2 Hypertroph	0.720229	0.901112	0.8074	0.000184	62236	503	61733
395.4 Nonrheumã	1.120866	1.50505	1.322113	0.00019	68734	98	68636
381.1 Otitis medi	0.819543	0.939274	0.878222	0.000191	65625	1339	64286
804 Fracture of	0.773975	0.922495	0.8462	0.000194	67389	862	66527
710.12 Chronic ost	1.119171	1.522504	1.334325	0.000198	64837	70	64767
287.1 Spontaneou	0.574223	0.839828	0.697616	0.000209	68588	219	68369
531.4 Peptic ulcer	1.092898	1.359218	1.22871	0.000213	71766	221	71545
221 Benign neo	0.583356	0.844309	0.70495	0.000213	63154	223	62931
965 Poisoning b	1.100716	1.391832	1.248405	0.000213	68830	233	68597
740.9 Osteoarthr	0.907692	0.970497	0.938807	0.000216	66792	5285	61507
288.1 Decreased '	0.707485	0.897763	0.798771	0.00022	66343	485	65858
240 Simple and	0.80808	0.936176	0.87073	0.000228	59596	1130	58466
227 Benign neo	1.066171	1.243789	1.155193	0.000244	71955	584	71371
444.1 Arterial em	1.125852	1.62237	1.395831	0.000245	69454	36	69418
947 Urticaria	0.796035	0.932359	0.862569	0.000248	63321	1027	62294
509.5 Respiratory	1.133109	1.740528	1.469421	0.000249	68253	25	68228
624.9 stress incor	0.817731	0.940237	0.877799	0.000254	65116	1227	63889
395.2 Nonrheumã	1.06124	1.225655	1.143399	0.000264	69282	646	68636
575.8 Other disor	1.081314	1.313894	1.198866	0.000266	70708	331	70377
324 Other CNS i	1.114966	1.518376	1.328804	0.000271	72744	74	72670
575.2 Obstructior	1.119569	1.565421	1.358658	0.000277	70433	56	70377
975 Poisoning b	1.136702	1.733136	1.462602	0.000284	68632	35	68597
619.2 Disorders o	0.823948	0.943474	0.882486	0.000299	68102	1410	66692
697 Sarcoidosis	1.078885	1.309075	1.194833	0.000312	64727	303	64424
728.71 Contracture	0.420077	0.768831	0.573833	0.000325	58975	88	58887
698 Pruritus an	0.784355	0.930102	0.855323	0.000328	71939	863	71076

287.32	Secondary f	1.116343	1.559858	1.352999	0.000337	68434	65	68369
459	Other disor	1.067924	1.262983	1.165903	0.000337	71228	463	70765
750	Digestive co	0.616683	0.865707	0.73366	0.00035	72019	259	71760
599.6	Oliguria and	1.118541	1.629052	1.396856	0.000353	58774	35	58739
764	Sciatica	0.802586	0.937087	0.868341	0.000357	67793	969	66824
458.2	Iatrogenic f	1.113633	1.562677	1.355092	0.000358	70822	57	70765
741.3	Difficulty in	0.754267	0.920087	0.834681	0.000369	65826	615	65211
994.1	Systemic in	1.115052	1.566024	1.355356	0.000394	73036	66	72970
480.1	Bacterial pr	1.079564	1.328448	1.206028	0.000398	63128	249	62879
526.4	Temporom	0.707613	0.90364	0.801647	0.000399	68799	471	68328
681.7	Cellulitis an	1.066446	1.261509	1.163832	0.000405	66318	510	65808
389.2	Conductive	0.717634	0.907734	0.809043	0.000413	68059	499	67560
706.8	Other speci	0.515248	0.822783	0.655515	0.000414	66180	137	66043
214.1	Lipoma of s	0.657322	0.884752	0.765238	0.000422	72143	310	71833
420.22	Chronic per	1.113913	1.613495	1.385571	0.000423	71947	40	71907
244.1	Secondary l	0.848965	0.953896	0.900596	0.000431	60221	1755	58466
331.9	Cerebral de	1.079308	1.3283	1.204214	0.000444	63896	259	63637
733	Other disor	0.698047	0.901337	0.795471	0.000456	65780	401	65379
312	Conduct dis	1.072415	1.293585	1.182794	0.000457	71373	441	70932
174.3	Neoplasm c	0.595729	0.861016	0.719631	0.000472	64589	208	64381
704.11	Alopecia Ar	0.507103	0.821694	0.650017	0.000478	67973	132	67841
291	Other speci	1.04709	1.183398	1.114975	0.000493	68019	1091	66928
255.1	Adrenal hyp	1.077484	1.330495	1.205922	0.000506	67258	263	66995
245.21	Chronic lym	0.774959	0.930231	0.850422	0.000511	59269	803	58466
302.1	Decreased l	0.550191	0.842617	0.684912	0.000511	48964	172	48792
715.1	Sacroiliitis f	0.702668	0.904787	0.799577	0.000532	65268	427	64841
245.2	Chronic thy	0.778207	0.932054	0.853014	0.000556	59286	820	58466
573.9	Abnormal s	1.068868	1.291025	1.180499	0.000578	65572	382	65190
381.11	Suppurative	0.801441	0.940399	0.869272	0.000598	65273	987	64286
958	Certain earl	1.089249	1.417348	1.258823	0.000602	73154	145	73009
477	Epistaxis or	0.71908	0.912227	0.812055	0.000611	54229	427	53802
989	Toxic effect	1.103765	1.531319	1.328968	0.000619	72918	79	72839
743.4	Stress fract	0.575003	0.856867	0.70574	0.000628	63954	192	63762

740.2 Osteoarthritis	1.032983	1.129215	1.080754	0.00063	63543	2036	61507
610.8 Other specific	0.539361	0.841496	0.678067	0.000631	61882	149	61733
705.3 Hidradenitis	1.094382	1.43858	1.269112	0.000649	66184	141	66043
443.9 Peripheral neuropathy	1.056478	1.239885	1.148264	0.000709	69917	499	69418
930 Allergic reactions	0.669663	0.89676	0.777523	0.00074	62630	336	62294
255.2 Adrenal hypofunction	1.071279	1.325099	1.200188	0.000775	67268	273	66995
540 Appendicitis	0.681142	0.902213	0.786225	0.000804	73072	399	72673
614.3 Pelvic inflammation	0.701648	0.909442	0.800967	0.000804	65882	411	65471
726.3 Bursitis	0.752262	0.926639	0.836757	0.000815	59428	541	58887
260.6 Anorexia	1.08266	1.401561	1.246301	0.000825	62147	151	61996
567 Peritonitis	1.090015	1.461721	1.283552	0.000832	67670	109	67561
331.1 Hydrocephalus	1.074384	1.344266	1.210324	0.000851	63900	263	63637
159.3 Malignant neoplasm	1.093493	1.694871	1.428274	0.000873	70798	21	70777
227.3 Benign neoplasm	1.072676	1.342156	1.209334	0.0009	71619	248	71371
516 Abnormal sensation	1.07049	1.329149	1.201303	0.000906	73074	249	72825
531.2 Gastric ulcer	1.074938	1.36276	1.222145	0.00092	71737	192	71545
374.3 Ptosis of eye	0.705226	0.91225	0.804608	0.000945	63924	372	63552
724.8 Other symptoms	0.552543	0.854956	0.691653	0.000949	62792	160	62632
771.2 Cramp of limb	0.668455	0.89983	0.778328	0.000964	69799	293	69506
286.7 Other and unspecified	1.04273	1.184143	1.113021	0.000972	69498	1129	68369
433.2 Occlusion of eye	1.042187	1.182299	1.111833	0.000988	69335	948	68387
516.1 Hemoptysis	1.0708	1.33795	1.206037	0.000992	73057	232	72825
291.1 Transient neurological	1.090545	1.517186	1.315953	0.001038	67005	77	66928
41.1 Staphylococcal	1.070528	1.340474	1.20731	0.001041	71334	252	71082
809 Fracture of	0.789022	0.941232	0.863127	0.00108	67338	811	66527
758 Chromosomal	1.093164	1.495932	1.299194	0.001087	72345	130	72215
530.12 Ulcer of esophagus	1.086835	1.537731	1.329262	0.001101	58096	52	58044
695 Erythematous	0.872042	0.966172	0.918487	0.001151	66629	2205	64424
427.1 Paroxysmal	1.03712	1.163328	1.099885	0.001158	60140	1261	58879
395.1 Nonrheumatoid	1.035783	1.158267	1.096681	0.001211	69938	1302	68636
289.3 Personal history	1.081642	1.73077	1.446581	0.001267	65880	22	65858
70.9 Hepatitis Non	1.063189	1.311815	1.188299	0.001308	63407	285	63122
442.11 Abdominal	1.074496	1.4045	1.244272	0.001315	69538	120	69418

710.11 Acute osteo	1.080622	1.582294	1.355016	0.00139	64807	40	64767
339 Other head	0.655071	0.903511	0.772397	0.001665	66496	281	66215
274.2 Crystal arth	0.556739	0.868296	0.699968	0.001694	72406	143	72263
430.3 Subdural hē	1.076781	1.471996	1.282341	0.00173	68472	85	68387
151 Cancer of st	1.076434	1.629755	1.380712	0.001753	70809	32	70777
738 Other acqu	0.793014	0.946894	0.868032	0.001774	67913	750	67163
618.2 Uterine/Ute	0.698457	0.919345	0.80405	0.001892	71746	336	71410
341 Other demy	0.771985	0.941853	0.854273	0.001922	64325	688	63637
750.2 Lower gastr	0.594416	0.885945	0.729776	0.002009	71949	189	71760
758.1 Chromoson	1.082638	1.526088	1.310876	0.002013	72320	105	72215
452.2 Deep vein t	1.052927	1.286049	1.170195	0.002094	66051	328	65723
362.6 Peripheral i	0.537445	0.86634	0.687433	0.002134	68395	130	68265
540.1 Appendiciti	0.68627	0.918106	0.796331	0.002185	73041	368	72673
750.21 Congenital	0.541182	0.868435	0.690523	0.002189	71899	139	71760
172.1 Melanomas	0.772138	0.943108	0.855167	0.002191	66412	618	65794
246.7 Abnormal r	0.735052	0.932722	0.830139	0.002202	58940	474	58466
649.1 Diabetes or	1.039877	1.203259	1.120637	0.00223	69568	910	68658
286.8 Hypercoagu	1.053656	1.304827	1.179962	0.00246	68696	327	68369
577.2 Chronic par	1.066112	1.438528	1.259708	0.002498	72611	109	72502
368.91 Psychophys	1.071493	1.541965	1.321623	0.002506	69395	63	69332
585.2 Renal failur	1.066638	1.508317	1.301112	0.002622	68632	60	68572
256 Ovarian dys	1.030666	1.159483	1.094576	0.002643	68400	1405	66995
227.1 Benign neo	1.058762	1.369282	1.218067	0.00265	71532	161	71371
726.2 Synoviopati	0.48573	0.851984	0.649699	0.002691	58980	93	58887
327.41 Organic or j	0.699473	0.925202	0.8073	0.002736	62043	330	61713
623 Hypertroph	0.583015	0.888779	0.724308	0.002759	71326	162	71164
440.21 Atheroscler	1.058523	1.674787	1.400918	0.002804	69440	22	69418
474 Acute and c	0.804366	0.954899	0.877676	0.002886	54720	918	53802
559 Ileostomy s	1.064872	1.51277	1.30295	0.002889	60684	63	60621
597.8 Urethral hy	0.647544	0.910417	0.771484	0.00289	69941	237	69704
433.21 Cerebral ar	1.033113	1.180064	1.106148	0.002951	69245	858	68387
440.22 Atheroscler	1.054287	1.344488	1.2023	0.002962	69594	176	69418
599.2 Retention c	0.807621	0.956132	0.880174	0.003061	59563	824	58739

681.3 Cellulitis an	1.043582	1.252305	1.147683	0.003105	66253	445	65808
288.11 Neutropeni	0.653356	0.914163	0.776162	0.003145	66107	249	65858
277.7 Dysmetabo	1.043756	1.26185	1.152997	0.00332	72159	396	71763
386.1 Meniere's c	0.656341	0.915992	0.778959	0.003361	64202	239	63963
540.11 Acute appe	0.678393	0.922911	0.794106	0.003365	73003	330	72673
182 Malignant r	1.048366	1.311436	1.181859	0.003454	64979	226	64753
54 Herpes sim	0.772355	0.94891	0.857788	0.003513	63740	618	63122
454 Varicose ve	0.765869	0.947194	0.853615	0.003536	66270	547	65723
274.21 Chondrocal	0.560999	0.887611	0.710893	0.003639	72395	132	72263
525 Other disea	0.761109	0.946526	0.850663	0.003667	68851	523	68328
704.12 Telogen eff	0.544404	0.883977	0.699173	0.003884	67969	128	67841
79 Viral infecti	0.850199	0.969301	0.908579	0.004162	64599	1477	63122
772.3 Muscle wea	0.848261	0.968843	0.907489	0.004217	69475	1310	68165
459.9 Circulatory	1.039388	1.25567	1.147875	0.004286	71143	378	70765
427.5 Arrhythmia	1.024489	1.147571	1.085597	0.004552	60205	1326	58879
690 Erythematc	0.740097	0.944711	0.838636	0.004769	64834	410	64424
242.1 Graves' dise	0.806669	0.960952	0.881852	0.004892	59272	806	58466
313.1 Attention d	0.788211	0.956914	0.869972	0.004905	71727	795	70932
352 Disorders o	0.800314	0.959561	0.877918	0.004952	67319	725	66594
242 Thyrotoxicc	0.856273	0.972028	0.91316	0.004995	59931	1465	58466
689 Disorder of	0.807265	0.961471	0.882492	0.005095	71030	783	70247
599.4 Urinary inc	0.883277	0.97783	0.929984	0.005156	60808	2069	58739
292 Neurologic	1.016043	1.097253	1.056379	0.005175	70063	3135	66928
426.24 Atrioventric	1.0433	1.332263	1.189638	0.005331	59064	185	58879
214 Lipoma	0.765444	0.952526	0.855941	0.005345	72343	510	71833
626.14 Irregular m	0.718784	0.94165	0.825375	0.005397	51286	358	50928
579 Other symp	0.88557	0.97883	0.931595	0.00555	66210	2303	63907
580 Nephritis; n	1.039762	1.293965	1.167684	0.005571	68864	292	68572
446.4 Wegener's	1.032969	1.633164	1.367309	0.005737	69446	28	69418
264.1 Short statu	0.329415	0.815544	0.527165	0.005765	62050	54	61996
751.11 Congenital	0.569277	0.904386	0.72242	0.005991	71921	161	71760
345.12 Partial epile	0.810914	0.964557	0.885717	0.006142	64519	882	63637
800.2 Fracture of	1.045278	1.426159	1.242628	0.006161	66637	110	66527

442.1 Aortic aneurysm	1.036663	1.28627	1.162762	0.00617	69674	256	69418
789 Nausea and vomiting	0.92807	0.987703	0.957629	0.00643	69199	6457	62742
817 Concussion	0.748593	0.951675	0.846214	0.006445	71798	490	71308
727.2 Bursitis	0.674224	0.933634	0.797276	0.006475	59120	233	58887
384.4 Perforation	0.645445	0.926791	0.777515	0.0065	64501	215	64286
526.3 Anomalies of development	0.516585	0.890908	0.684427	0.006503	68446	118	68328
433.8 Late effects of radiation therapy	1.027613	1.197621	1.112178	0.006506	69012	625	68387
224.1 Benign neoplasms	0.583334	0.910093	0.733894	0.006528	72144	148	71996
473.1 Chronic laryngitis	0.638166	0.924925	0.772767	0.006587	53992	190	53802
614.53 Cyst or abscess	0.504554	0.889035	0.67656	0.00699	65566	95	65471
426.21 First degree burn	1.042405	1.44517	1.251061	0.007003	58964	85	58879
530 Diseases of the eye	1.009019	1.059615	1.034135	0.007156	67361	9317	58044
571.6 Primary biliary cirrhosis	1.040297	1.396899	1.224012	0.007186	65317	127	65190
592.11 Acute cystitis	0.665051	0.934626	0.792154	0.007367	56885	230	56655
384 Other disorders of the eye	0.665928	0.934925	0.792873	0.007431	64525	239	64286
362.2 Degenerative diseases of the eye	0.836098	0.971658	0.9026	0.007544	69225	960	68265
704.8 Other specific diseases of the thyroid gland	0.728565	0.949859	0.834576	0.007607	68207	366	67841
193 Thyroid carcinoma	0.786501	0.962077	0.871713	0.007628	71995	624	71371
575.9 Nonspecific infectious diseases of the eye	1.02295	1.688296	1.392983	0.007645	70402	25	70377
736.2 Acquired diseases of the eye	0.557534	0.908178	0.717664	0.007848	67284	121	67163
369.2 Eye infections	0.636717	0.929199	0.773861	0.007987	63732	180	63552
411.41 Aneurysm of the eye	1.030853	1.550045	1.312193	0.008094	67417	43	67374
251 Other disorders of the eye	1.036977	1.373344	1.209173	0.008142	67128	133	66995
649 Other conditions of the eye	1.014842	1.106981	1.060383	0.008182	71923	3265	68658
536.8 Dyspepsia	0.853459	0.976199	0.913711	0.008507	69406	1318	68088
751.1 Congenital anomalies of the eye	0.588574	0.920337	0.74088	0.008671	71929	169	71760
526.41 Temporomandibular joint dysfunction	0.633116	0.930768	0.772208	0.008692	68515	187	68328
358 Myoneural degeneration	1.035185	1.420947	1.235786	0.008776	70529	99	70430
523.3 Periodontitis	0.626981	0.929637	0.768112	0.008789	68502	174	68328
526.42 Arthralgia/arthritis	0.564348	0.914192	0.724048	0.008851	68464	136	68328
681.1 Cellulitis and abscess	0.776936	0.962749	0.866912	0.00911	66336	528	65808
443 Peripheral vascular disease	1.019582	1.159225	1.089095	0.009179	70392	974	69418
707.3 Chronic ulcer	1.034246	1.450011	1.250803	0.00941	72637	85	72552



528.4 Cysts of ora	0.284638	0.820497	0.495089	0.009499	70677	35	70642
723 Other disor	0.765772	0.961216	0.860228	0.009506	63110	478	62632
619.1 Noninflamr	0.785042	0.965105	0.872254	0.009526	67306	614	66692
535.1 Acute gastr	0.647306	0.936785	0.782991	0.009618	68289	201	68088
368 Visual distu	0.877985	0.981561	0.929042	0.009699	71174	1842	69332
759 Other and t	1.033425	1.34631	1.190576	0.009984	72417	202	72215
260.2 severe prot	1.033425	1.417397	1.230756	0.010182	62117	121	61996
313 Pervasive d	0.810529	0.970778	0.888427	0.010209	71830	898	70932
711.1 Pyogenic ar	1.002082	1.662683	1.374299	0.010397	64788	21	64767
575.7 Other disor	1.028539	1.29132	1.160276	0.010636	70658	281	70377
588 Disorders r	1.030441	1.390934	1.21628	0.010647	68696	124	68572
386.3 Labyrinthiti	0.572455	0.922067	0.732636	0.01072	64087	124	63963
733.9 Chondroma	0.633467	0.936482	0.775157	0.01084	65554	175	65379
433.3 Cerebral isc	1.014754	1.128462	1.071193	0.011147	69876	1489	68387
694.1 Vitiligo	0.372546	0.865895	0.578416	0.011232	64473	49	64424
338.2 Chronic pai	1.017116	1.154504	1.085352	0.011325	69591	1087	68504
342 Hemiplegia	1.024519	1.246752	1.135141	0.011482	64018	381	63637
286.81 Primary hyp	1.027152	1.296306	1.16218	0.011593	68660	291	68369
795.8 Abnormal t	1.025557	1.467422	1.258499	0.011629	72902	69	72833
242.31 Thyrotoxic	1.022668	1.529342	1.293406	0.011668	58517	51	58466
562.2 Diverticuliti	0.764834	0.964332	0.86135	0.011707	61046	425	60621
946 Anaphylact	0.748148	0.961633	0.850844	0.01177	62677	383	62294
735.21 Hammer to	0.771104	0.965667	0.865373	0.011878	67604	441	67163
790.6 Other abno	0.882234	0.984185	0.932525	0.012307	70062	1873	68189
714.2 Juvenile rhe	1.027323	1.545394	1.297565	0.012533	64913	72	64841
705 Disorders o	1.026365	1.304853	1.165644	0.01255	66269	226	66043
695.42 Systemic lu	1.01748	1.173119	1.094891	0.012606	63934	799	63135
690.1 Seborrhelic	0.753032	0.964574	0.854991	0.013259	64812	388	64424
505 Other pulm	1.024509	1.508744	1.277057	0.01335	68296	68	68228
327.31 Central/nor	1.016601	1.536322	1.294763	0.013377	61756	43	61713
795.82 Elevated ca	1.001679	1.613625	1.340512	0.01359	72862	29	72833
715 Other inflar	0.797216	0.972728	0.882577	0.013963	65463	622	64841
580.31 Nephritis ai	1.021816	1.446464	1.242551	0.014518	68659	87	68572

425.11 Hypertroph	1.020602	1.454559	1.247175	0.014527	71982	75	71907
536.3 Gastropare	1.022926	1.327056	1.176765	0.014542	68288	200	68088
579.8 Nonspecific	0.66909	0.95195	0.802424	0.01462	64120	213	63907
724.2 Disorders o	0.529615	0.923073	0.706773	0.014647	62730	98	62632
722.9 Other and u	1.021571	1.394544	1.213264	0.015085	62748	116	62632
350 Abnormal r	0.894814	0.987621	0.940656	0.015119	71713	2301	69412
202.21 Nodular lyn	0.58362	0.937005	0.74553	0.015309	71867	127	71740
430 Intracranial	1.017263	1.209944	1.113171	0.015498	68890	503	68387
250.41 Impaired fa	0.851899	0.982735	0.916075	0.016237	63312	1154	62158
727.8 Plica syndr	0.576085	0.937365	0.741437	0.016306	59012	125	58887
519.2 Respiratory	1.017759	1.456383	1.245546	0.016515	70126	78	70048
362.5 Toxic macu	0.600126	0.943716	0.758606	0.017044	68400	135	68265
513.31 Apnea	1.006319	1.582515	1.315165	0.017135	71969	40	71929
720 Spinal stenc	0.875159	0.986272	0.929909	0.017204	64119	1487	62632
614.33 Pelvic inflar	0.679567	0.958904	0.811113	0.017306	65707	236	65471
157 Pancreatic c	1.013587	1.434317	1.233741	0.017463	70853	76	70777
736 Other acqu	0.722444	0.965609	0.838642	0.017621	67462	299	67163
279.1 Immunity d	0.864117	0.985157	0.92366	0.017633	70276	1311	68965
281.9 Deficiency :	0.998596	1.617372	1.333679	0.017872	66703	34	66669
636 Early or thr	0.902254	0.990154	0.945578	0.018307	70618	3285	67333
738.4 Acquired sp	0.787015	0.97591	0.878737	0.018651	67650	487	67163
967 Adverse eff	1.017175	1.296126	1.156662	0.018938	68873	276	68597
523.31 Acute peric	0.611352	0.949918	0.767871	0.019109	68467	139	68328
293 Symptoms i	0.692128	0.963437	0.820583	0.019321	70360	243	70117
705.8 Hyperhidro	0.745858	0.971267	0.854078	0.019396	66409	366	66043
296.2 Depression	1.004636	1.055657	1.029966	0.019462	58279	9487	48792
375 Disorders o	0.714379	0.967239	0.835218	0.020122	65399	257	65142
459.1 Hemorrhag	1.002164	1.51888	1.278123	0.020246	70818	53	70765
337.1 Peripheral :	1.01228	1.423268	1.222682	0.020996	63735	98	63637
270.1 Disturbanc	0.376505	0.906267	0.595415	0.021158	71826	51	71775
289.9 Abnormalit	1.013281	1.385551	1.202826	0.021184	65981	123	65858
528.41 Cyst of the	0.271471	0.874137	0.501887	0.021436	70671	29	70642
159 Malignant r	1.012054	1.334734	1.176706	0.02146	70931	154	70777

365.11 Primary op	0.791116	0.97896	0.88238	0.021478	68893	458	68435
372 Disorders o	0.726171	0.970845	0.843285	0.02164	63826	274	63552
270.33 Amyloidosi	0.98859	1.579274	1.310202	0.021645	71806	31	71775
721.2 Spondylosi	0.707851	0.968417	0.831983	0.021688	62884	252	62632
292.2 Mild cognit	0.676052	0.963965	0.81214	0.021862	67124	196	66928
275.53 Disorders o	1.003017	1.535215	1.2826	0.022202	70975	57	70918
610.2 Fibroadeno	0.617191	0.956712	0.774493	0.02266	61871	138	61733
259.3 Delay in se	0.176509	0.843399	0.401488	0.022847	67015	20	66995
585.33 Chronic Kid	1.010671	1.222762	1.116583	0.023445	68976	404	68572
495.2 Asthma wit	1.008793	1.153731	1.080582	0.023744	64140	1007	63133
724.1 Disorders o	0.58306	0.952979	0.752555	0.023753	62746	114	62632
720.1 Spinal stenc	0.853349	0.987486	0.919217	0.023801	63621	989	62632
963 Poisoning b	1.010405	1.348197	1.181596	0.023883	68762	165	68597
740.11 Osteoarthr	0.916902	0.993509	0.954836	0.02397	64867	3360	61507
965.1 Opiates anc	1.010005	1.370407	1.193041	0.023975	68743	146	68597
250.11 Type 1 diab	0.573918	0.953893	0.746217	0.024247	62285	127	62158
343 Infantile ce	1.011968	1.421503	1.216724	0.024285	63768	131	63637
378 Strabismus	0.763189	0.978333	0.866887	0.024365	65545	403	65142
529.1 Glossitis	0.400479	0.920079	0.618923	0.02439	70691	49	70642
300.4 Dysthymic c	1.007699	1.14192	1.07446	0.024428	49901	1109	48792
772 Symptoms	0.751452	0.977206	0.859845	0.024453	68532	367	68165
555.2 Ulcerative c	1.009878	1.21558	1.11233	0.024623	61115	494	60621
351 Other perip	0.908262	0.992972	0.95017	0.02467	69342	2748	66594
962.2 Insulins anc	0.970785	1.700163	1.371458	0.024688	68622	25	68597
258.1 Postablativ	0.484667	0.938737	0.684303	0.025105	67062	67	66995
368.1 Amblyopia	0.569441	0.953707	0.744167	0.025124	69440	108	69332
364.1 Corneal opa	0.673223	0.967978	0.812256	0.025182	68627	192	68435
153.2 Colon canc	1.009185	1.243411	1.126664	0.025303	67414	299	67115
282.5 Sickle cell a	1.013856	1.55908	1.278542	0.025349	66728	59	66669
286.3 Coagulator	1.006753	1.507565	1.260398	0.025623	68461	92	68369
327.1 Hypersomn	0.743452	0.978002	0.855853	0.026319	62071	358	61713
433.11 Occlusion o	1.00616	1.371926	1.192295	0.026488	68505	118	68387
53 Herpes zost	0.795044	0.983569	0.886599	0.026803	63620	498	63122

427.8 Sinoatrial n	1.007538	1.192791	1.099596	0.027471	59402	523	58879
255.21 Glucocortic	1.006671	1.31282	1.161615	0.027518	67191	196	66995
627.4 Premenopa	0.67105	0.971493	0.812287	0.02794	51115	187	50928
709 Diffuse dise	1.005607	1.127319	1.066113	0.028119	64732	1318	63414
315.3 Mental reta	1.007638	1.33179	1.169552	0.028362	71135	203	70932
364.5 Corneal dys	0.640488	0.967745	0.79349	0.02857	68580	145	68435
750.11 Esophageal	0.277389	0.901449	0.516802	0.028988	71785	25	71760
315 Develomen	1.007323	1.247649	1.12679	0.029129	71300	368	70932
362.27 Drusen (de)	0.677031	0.972841	0.816899	0.029243	68443	178	68265
224 Benign neo	0.690156	0.974949	0.824874	0.029324	72214	218	71996
741.4 Joint effusi	0.875458	0.992062	0.932869	0.029448	66601	1390	65211
378.5 Paralytic str	0.519855	0.953375	0.713291	0.02963	65223	81	65142
443.8 Other speci	0.989207	1.456501	1.236405	0.030844	69478	60	69418
440.9 Atheroscler	1.005169	1.215769	1.110436	0.030992	69800	382	69418
802 Fracture of	1.00317	1.310519	1.1583	0.031703	66712	185	66527
842 Other sprai	0.647736	0.973876	0.799952	0.032367	63725	159	63566
529 Diseases an	0.616125	0.970686	0.779972	0.032684	70776	134	70642
306 Other ment	0.776312	0.986435	0.877742	0.033068	49230	438	48792
529.6 Glossodyn	0.373925	0.936885	0.60589	0.033414	70681	39	70642
401.2 Hypertensi	1.003395	1.110747	1.056388	0.034316	52545	1738	50807
531.1 Hemorrhag	0.95302	1.638954	1.331013	0.035072	71568	23	71545
385.5 Tympanosc	0.482467	0.95839	0.69079	0.03545	64353	67	64286
348.4 Cerebral cy	0.993265	1.416928	1.208686	0.037566	63745	108	63637
960 Poisoning b	1.001563	1.234542	1.117532	0.037714	68978	381	68597
528.5 Diseases of	0.500172	0.964837	0.704962	0.037808	70711	69	70642
132 Infestation	0.98397	1.495962	1.249651	0.038072	72053	64	71989
528.1 Stomatitis	0.695869	0.984054	0.832161	0.038148	70862	220	70642
965.3 Salicylates	0.953392	1.682539	1.347523	0.038497	68626	29	68597
580.3 Nephritis a	0.994661	1.361185	1.180736	0.038966	68710	138	68572
281.12 Other vitan	0.789181	0.991186	0.886804	0.03906	67143	474	66669
913 Toxic effect	0.700495	0.985424	0.835353	0.039225	70787	225	70562
279 Disorders ir	0.87939	0.996061	0.936864	0.040268	70396	1431	68965
537 Other disor	1.000863	1.159504	1.079668	0.041325	68890	802	68088

260.7 Polyphagia	0.961907	1.634953	1.317955	0.041665	62036	40	61996
362.3 Other nond	0.702591	0.987393	0.837796	0.041992	68456	191	68265
220 Benign neo	0.770825	0.992022	0.877322	0.04231	63416	393	63023
270.3 Disorders o	0.998881	1.218423	1.108552	0.042376	72139	364	71775
709.2 Sicca syndr	0.804561	0.993621	0.896509	0.042759	63938	524	63414
840.1 Muscle/ten	0.554822	0.97786	0.745853	0.04339	63647	81	63566
8.52 Intestinal ir	0.98541	1.400623	1.199284	0.043653	72036	95	71941
180.1 Cervical car	0.993927	1.29976	1.148495	0.043817	61607	186	61421
871.3 Open woun	0.617046	0.983953	0.786084	0.043855	68819	130	68689
728.1 Muscular ca	0.949799	1.611006	1.308393	0.044034	58913	26	58887
305.2 Eating disor	0.999105	1.206718	1.101875	0.044305	49369	577	48792
696.41 Psoriasis vu	0.999397	1.163721	1.081301	0.044345	62355	722	61633
300.13 Phobia	0.959019	1.539864	1.272578	0.044509	48831	39	48792
362.26 Macular pu	0.734874	0.991097	0.857661	0.044707	68513	248	68265
365.2 Primary an	0.716204	0.990894	0.847085	0.045629	68645	210	68435
755.61 Congenital	0.35693	0.963922	0.601545	0.046034	72112	39	72073
189.4 Malignant r	0.978227	1.425798	1.211513	0.046161	72666	72	72594
801.1 Fracture of	0.825451	0.996543	0.908842	0.046912	67191	664	66527
727.6 Rupture of	0.773357	0.994217	0.880226	0.046933	59222	335	58887
695.41 Cutaneous	0.665912	0.989974	0.81789	0.047565	63293	158	63135
728 Disorders o	0.743945	0.993617	0.863755	0.047734	59161	274	58887
447 Other disor	0.995682	1.226887	1.111412	0.047772	69746	328	69418
353 Nerve root	0.778929	0.995244	0.883433	0.047802	66990	396	66594
159.4 Malignant r	0.946394	1.577107	1.29018	0.047821	70806	29	70777
620.1 Dysplasia o	0.286704	0.957178	0.54228	0.047967	71190	26	71164
575.1 Cholangitis	0.952748	1.57726	1.288505	0.048256	70413	36	70377
870.4 Open woun	0.479363	0.978944	0.696923	0.048593	68750	61	68689
153 Colorectal c	0.996239	1.206054	1.101002	0.048745	67505	390	67115
275.6 Hypercalce	0.822218	0.997232	0.907574	0.04911	71494	576	70918
353.2 Nerve root	0.741936	0.994746	0.863029	0.049407	66871	277	66594
803.1 Fracture of	0.995404	1.217214	1.106151	0.049731	66894	367	66527
209 Neuroendo	0.944026	1.570658	1.284911	0.05108	73184	30	73154
960.2 Allergy/adv	0.990159	1.302324	1.146558	0.051411	68799	202	68597

426.32	Left bundle	0.990168	1.278064	1.134435	0.053212	59087	208	58879
592.2	Urethritis a	0.471923	0.985611	0.694414	0.053453	56712	57	56655
636.2	Early onset	0.995998	1.191679	1.092465	0.053529	67955	622	67333
771.1	Swelling of	0.998037	1.111904	1.054497	0.054265	71058	1552	69506
474.2	Chronic ton	0.81518	1.000113	0.904949	0.05577	54423	621	53802
528.12	Oral aphtha	0.584366	0.994347	0.770768	0.0558	70744	102	70642
550.1	Inguinal hei	0.614768	0.995134	0.789921	0.055849	69839	113	69726
853	Complicatio	0.935895	1.580606	1.288029	0.055996	70895	31	70864
346.2	Nonspecific	0.965854	1.477468	1.230692	0.056472	63700	63	63637
614.32	Chronic infl	0.642162	0.997182	0.806792	0.056536	65609	138	65471
394.4	Acute rheu	0.928682	1.626092	1.309685	0.056566	68661	25	68636
367.9	Blindness a	0.992421	1.216165	1.104023	0.056884	68351	357	67994
752.11	Spina bifida	0.958735	1.522035	1.252316	0.057997	72478	59	72419
433.5	Cerebral an	0.990548	1.237804	1.113743	0.058612	68690	303	68387
130	Spirochetal	0.400774	0.989701	0.645279	0.058962	72030	41	71989
275.11	Hereditary	0.51599	0.996516	0.728376	0.06038	70987	69	70918
385	Other disor	0.686822	1.001116	0.834869	0.061213	64471	185	64286
473.3	Paralysis/sp	0.709595	1.00139	0.848345	0.062014	53993	191	53802
681.6	Cellulitis an	0.981204	1.321021	1.152765	0.062115	65955	147	65808
772.4	Rhabdomyo	0.95892	1.489408	1.234566	0.062225	68221	56	68165
695.7	Prurigo and	0.726855	1.002288	0.858249	0.0629	64648	224	64424
290.3	Other persi	0.991737	1.190016	1.090356	0.062986	67366	438	66928
751.21	Cystic kidn	0.762391	1.002896	0.877907	0.063151	72082	322	71760
966	Poisoning b	0.971145	1.411285	1.195271	0.063232	68694	97	68597
444.2	Embolism a	0.911572	1.631967	1.309955	0.063248	69438	20	69418
695.4	Lupus (loca	0.994518	1.142621	1.068018	0.063354	64025	890	63135
323.8	Encephaliti	0.516761	1.000529	0.730401	0.063666	72739	69	72670
740	Osteoarthr	0.950021	1.001297	0.975446	0.063736	70675	9168	61507
530.11	GERD	0.998336	1.051305	1.024631	0.06502	66312	8268	58044
426.7	Abnormal e	0.845073	1.003415	0.922494	0.065824	59641	762	58879
729	Other disor	0.786343	1.00391	0.891654	0.066211	59275	388	58887
364.4	Corneal de	0.631884	1.004165	0.804271	0.066299	68552	117	68435
427.41	Ventricular	0.951494	1.47983	1.229704	0.067191	58932	53	58879

709.5 Dermatomy	0.972832	1.34804	1.165067	0.067444	63528	114	63414
798.1 Chronic fati	0.822527	1.004257	0.911142	0.068001	47533	567	46966
743.13 Other speci	0.850301	1.003858	0.925653	0.068396	64515	753	63762
281.1 Megaloblas	0.826008	1.004735	0.912949	0.068658	67286	617	66669
713.5 Arthropath	0.937741	1.539763	1.257936	0.068789	64799	32	64767
306.1 Mental disc	0.988878	1.213845	1.099871	0.069135	49285	493	48792
722.8 Postlamine	0.72774	1.006089	0.86048	0.069674	62861	229	62632
818.1 Subdural h	0.972504	1.343882	1.162027	0.06992	71426	118	71308
575.6 Cholesterol	0.508574	1.008142	0.727843	0.070171	70442	65	70377
715.2 Ankylosing	0.970605	1.355002	1.167199	0.070727	64961	120	64841
949 Allergies, o	0.814534	1.005562	0.907362	0.070826	62817	523	62294
364 Corneal opa	0.79584	1.005735	0.897636	0.071015	68837	402	68435
588.1 Renal osteo	0.960839	1.408913	1.193103	0.071889	68650	78	68572
358.1 Myasthenia	0.958806	1.424512	1.200207	0.072141	70501	71	70430
350.2 Abnormalit	0.862793	1.004954	0.932593	0.073105	70319	907	69412
350.6 Disturbanc	0.622423	1.00929	0.800967	0.073158	69523	111	69412
577 Diseases of	0.989062	1.181397	1.084673	0.073425	73020	518	72502
696.3 Pityriasis	0.443239	1.013222	0.685086	0.074501	64467	43	64424
700 Corns and c	0.753695	1.008682	0.876066	0.075757	68317	256	68061
578.1 Hemateme	0.970931	1.364713	1.167908	0.075817	64033	126	63907
31 Diseases du	0.913375	1.580611	1.277972	0.076602	71109	27	71082
378.1 Strabismus	0.739493	1.009654	0.868511	0.076655	65396	254	65142
735.1 Flat foot	0.717294	1.010161	0.856423	0.076754	67357	194	67163
426.3 Bundle brai	0.98475	1.218478	1.101081	0.076867	59213	334	58879
655.1 Abnormalit	0.895619	1.005329	0.949542	0.079078	69991	2055	67936
530.1 Esophagitis	0.997118	1.048726	1.022738	0.080692	66849	8805	58044
346 Abnormal f	0.957834	1.417396	1.191841	0.080912	63721	84	63637
750.1 Upper gastr	0.533743	1.01832	0.749156	0.081349	71828	68	71760
942 Infusion an	0.924829	1.532705	1.251025	0.081612	62329	35	62294
364.51 Fuchs' dyst	0.628979	1.014538	0.807847	0.081762	68539	104	68435
277.4 Disorders o	0.457098	1.025419	0.699815	0.085299	71810	47	71763
691 Congenital	0.725252	1.014283	0.862772	0.08539	64646	222	64424
855 Complicatic	0.976168	1.267079	1.121648	0.085757	71100	236	70864

737 Curvature c	0.863563	1.008103	0.934447	0.086163	68125	962	67163
618.5 Prolapse of	0.761105	1.012711	0.882206	0.086209	71684	274	71410
512 Other symp	0.963403	1.002448	0.982785	0.086626	67359	18057	49302
496.3 Bronchiect	0.976627	1.25526	1.116003	0.087517	63367	234	63133
560.4 Other intes	0.983024	1.199447	1.090742	0.087649	61009	388	60621
245.1 Thyroiditis,	0.542777	1.025005	0.757414	0.088359	58540	74	58466
653 Problems a	0.989986	1.132078	1.06	0.088704	72153	1244	70909
500 Lung diseas	0.934832	1.507085	1.232031	0.089121	68278	50	68228
259.1 Nonspecific	0.755958	1.015037	0.880012	0.089817	67286	291	66995
530.5 Disorders o	0.971229	1.277659	1.126183	0.090499	58223	179	58044
557.1 Celiac disea	0.708388	1.018354	0.854769	0.091031	60831	210	60621
426.8 Other cardi	0.94783	1.418524	1.191057	0.091232	58953	74	58879
703.1 Ingrowing r	0.774499	1.014697	0.890192	0.092092	68152	311	67841
726.4 Calcaneal s	0.847803	1.010319	0.927416	0.092437	59553	666	58887
751.22 Other speci	0.946253	1.434865	1.197133	0.092866	71833	73	71760
701.5 Abnormal g	0.638656	1.022758	0.816516	0.092909	68178	117	68061
528.3 Cellulitis an	0.533909	1.030151	0.753912	0.093733	70706	64	70642
506 Empyema a	0.978867	1.224935	1.100799	0.094097	68582	354	68228
800.4 Fracture of	0.711909	1.020429	0.85803	0.096513	66716	189	66527
380 Disorders o	0.619509	1.027167	0.806943	0.097872	69341	101	69240
695.22 Pemphigus	0.914563	1.51866	1.236976	0.098426	64456	32	64424
189.2 Cancer of b	0.964671	1.30043	1.134393	0.099096	72737	143	72594
532 Dysphagia	0.916329	1.00694	0.961168	0.099755	60433	2389	58044
426.4 Anomalous	0.560835	1.034541	0.772507	0.100063	58959	80	58879
701.6 Acquired ac	0.96481	1.342728	1.149241	0.100167	68199	138	68061
303.1 Dissociative	0.919633	1.517148	1.234756	0.100449	48835	43	48792
371.9 Chronic infl	0.907012	1.568016	1.258784	0.100572	63585	33	63552
271.3 Intestinal d	0.928366	1.481751	1.217617	0.101078	73085	50	73035
327.5 Parasomnia	0.569845	1.034052	0.779337	0.103005	61790	77	61713
198.7 Secondary i	0.944022	1.397714	1.177627	0.104009	67694	76	67618
38.1 Gram negat	0.886046	1.581811	1.268259	0.104715	71108	26	71082
442 Other aneu	0.979416	1.187672	1.083136	0.105003	69836	418	69418
803.2 Fracture of	0.86949	1.012009	0.939436	0.106919	67512	985	66527



620 Dysplasia o	0.679388	1.028131	0.84287	0.107167	71313	149	71164
740.1 Osteoarthri	0.934369	1.006288	0.970003	0.107403	65435	3928	61507
782.6 Pallor and f	0.735525	1.023847	0.872784	0.107817	67418	234	67184
145.3 Cancer of n	0.364373	1.058309	0.643347	0.108249	72513	27	72486
743.21 Pathologic i	0.95951	1.30117	1.132664	0.109734	63887	125	63762
291.4 Specific nor	0.738537	1.02515	0.874846	0.110858	67171	243	66928
716.9 Arthropath	0.989971	1.092862	1.041041	0.110882	66615	1848	64767
383 Otosclerosi	0.474942	1.049211	0.722776	0.111152	64332	46	64286
225 Benign neo	0.790983	1.020149	0.90173	0.111726	72363	367	71996
871.1 Open woun	0.766103	1.022797	0.889231	0.112068	68986	297	68689
270.32 Paraproteir	0.968636	1.244963	1.10692	0.113649	71995	220	71775
577.1 Acute panc	0.967192	1.258519	1.112247	0.114685	72730	228	72502
613.1 Inflammato	0.77559	1.023387	0.894825	0.116928	68451	301	68150
368.2 Diplopia an	0.802638	1.020897	0.908404	0.118143	69730	398	69332
189.21 Malignant r	0.957347	1.298463	1.12962	0.118375	72733	139	72594
441.2 Chronic vas	0.89821	1.520613	1.232564	0.119401	69453	35	69418
733.6 Costochondr	0.721111	1.030669	0.867494	0.119645	65574	195	65379
226 Benign neo	0.776565	1.024301	0.895776	0.120006	71680	309	71371
270 Disorders o	0.976786	1.181366	1.078456	0.120144	72222	447	71775
112 Candidiasis	0.894675	1.012019	0.952437	0.121263	67815	1452	66363
737.3 Kyphoscolic	0.858907	1.015866	0.935758	0.121298	67981	818	67163
190 Cancer of e	0.926132	1.433859	1.189665	0.121667	72054	58	71996
818 Intracranial	0.967345	1.239459	1.103129	0.121897	71561	253	71308
333.4 Torsion dys	0.761219	1.02682	0.888434	0.12216	63898	261	63637
204.4 Multiple m	0.948399	1.341949	1.14647	0.125093	71854	114	71740
963.1 Antineoplas	0.946301	1.345451	1.148188	0.126355	68712	115	68597
427.61 Supraventri	0.648344	1.04142	0.830534	0.126469	58991	112	58879
350.3 Lack of coo	0.859543	1.016885	0.936625	0.127194	70205	793	69412
286.12 Congenital	0.913392	1.504615	1.217187	0.127684	68427	58	68369
300.11 Generalizec	0.893606	1.013099	0.952495	0.128686	50286	1494	48792
729.3 Panniculitis	0.925265	1.418907	1.181187	0.129194	58947	60	58887
149.1 Cancer of o	0.415406	1.075634	0.689942	0.130098	72517	31	72486
618.6 Vaginal ent	0.76121	1.029224	0.890041	0.131237	71655	245	71410

70.2	Viral hepati	0.956213	1.300291	1.126162	0.131441	63289	167	63122
752.1	Neural tube	0.935365	1.393127	1.16728	0.131526	72514	95	72419
290	Delirium de	0.982867	1.125573	1.053514	0.131747	67840	912	66928
327.72	Sleep relate	0.553852	1.055729	0.778998	0.132045	61773	60	61713
433.12	Cerebral at	0.963188	1.246198	1.104222	0.13208	68587	200	68387
429.3	Symptoms i	0.846347	1.020019	0.931023	0.133784	69192	667	68525
264	Lack of nor	0.691736	1.041747	0.854962	0.134593	62176	180	61996
757	Congenital	0.417183	1.083478	0.693214	0.135595	72248	33	72215
8.6	Viral Enteri	0.710277	1.038921	0.864886	0.135649	72123	182	71941
805	Fracture of	0.979927	1.137712	1.05825	0.137505	67300	773	66527
526.8	Exostosis of	0.859141	1.612309	1.267446	0.13796	68349	21	68328
204.11	Lymphoid li	0.479651	1.077729	0.73552	0.139583	71788	48	71740
361	Retinal deta	0.765619	1.032128	0.893678	0.141227	68680	245	68435
8.5	Bacterial er	0.942293	1.336398	1.141077	0.141547	72059	118	71941
277.5	Other disor	0.94365	1.329348	1.138112	0.141588	71884	121	71763
427.6	Premature	0.845445	1.02155	0.931432	0.14163	59508	629	58879
323	Encephaliti	0.619347	1.054258	0.81845	0.14195	72766	96	72670
292.1	Aphasia/sp	0.977553	1.14865	1.062352	0.142011	67583	655	66928
754	Congenital	0.752518	1.034688	0.887517	0.143036	72301	228	72073
196	Radiothera	0.74961	1.035345	0.88623	0.143886	67841	223	67618
250.15	Diabetes ty	0.327163	1.110953	0.630971	0.144764	62178	20	62158
717	Polymyalgia	0.962171	1.228275	1.095137	0.145514	72957	238	72719
755.6	Other cong	0.504445	1.077712	0.753062	0.145876	72128	55	72073
250.4	Abnormal g	0.92262	1.011375	0.966506	0.146047	64808	2650	62158
536.7	Complicatio	0.886665	1.536887	1.228886	0.146131	68127	39	68088
952	Spinal cord	0.870806	1.569999	1.245368	0.146519	73148	30	73118
172.11	Melanomas	0.81796	1.026416	0.919427	0.147698	66226	432	65794
71	Human imm	0.962394	1.236842	1.097271	0.147905	63367	245	63122
352.2	Facial nerve	0.959436	1.241224	1.100036	0.148171	66824	230	66594
716	Other arthr	0.986717	1.085471	1.035727	0.149194	66792	2025	64767
574.1	Cholelithias	0.983784	1.102965	1.042837	0.150666	71857	1480	70377
290.12	Dementia v	0.512744	1.077124	0.760832	0.152873	66972	44	66928
452.1	Iatrogenic p	0.854656	1.588944	1.25315	0.153894	65747	24	65723

272.12	Hyperglyce	0.785611	1.032702	0.905249	0.154653	55191	279	54912
275.1	Disorders o	0.718173	1.045264	0.872986	0.157558	71096	178	70918
514.1	Abnormal r	0.892744	1.473581	1.197531	0.161753	71299	44	71255
474.1	Acute tonsi	0.757745	1.040807	0.892722	0.162115	54072	270	53802
281	Other defec	0.85248	1.024582	0.936474	0.162238	67346	677	66669
110.2	Dermatomy	0.645425	1.060663	0.837051	0.162362	66463	100	66363
41.11	Methicillin	0.928057	1.372047	1.150671	0.163238	71182	100	71082
800.1	Fracture of	0.951396	1.258968	1.105077	0.163801	66713	186	66527
687	Symptoms	0.48184	1.093447	0.745564	0.164095	60293	42	60251
686.1	Carbuncle a	0.792841	1.035474	0.909821	0.166157	66133	325	65808
261.41	Rickets or c	0.922358	1.377313	1.15339	0.166484	62078	82	61996
8	Intestinal ir	0.818485	1.031273	0.921592	0.166705	72389	448	71941
574.2	Calculus of	0.949515	1.264006	1.105864	0.170023	70571	194	70377
574	Cholelithias	0.98357	1.091426	1.037029	0.170918	72182	1805	70377
300.12	Agorophob	0.976111	1.130353	1.05251	0.171898	49708	916	48792
401.21	Hypertensiv	0.900319	1.017762	0.958206	0.172281	52181	1374	50807
755	Congenital	0.730551	1.048971	0.881481	0.173075	72264	191	72073
150	Cancer of e	0.363671	1.1314	0.670462	0.173077	70799	22	70777
681	Superficial c	0.987392	1.069503	1.028124	0.173568	68909	3101	65808
526.9	Jaw disease	0.647665	1.065556	0.840621	0.173736	68430	102	68328
225.2	Benign neo	0.409603	1.121589	0.702312	0.173934	72027	31	71996
818.2	Subarachnc	0.936328	1.312493	1.125058	0.174353	71440	132	71308
253.7	Other disor	0.85286	1.544948	1.22748	0.175132	67021	26	66995
362.23	Cystoid ma	0.789018	1.038008	0.909456	0.176076	68536	271	68265
334.21	Amyotroph	0.524681	1.093522	0.77467	0.17665	63688	51	63637
783	Fever of un	0.932421	1.012529	0.972065	0.177911	70942	3428	67514
751	Genitourina	0.851877	1.027526	0.937591	0.178296	72438	678	71760
756.1	Congenital	0.839357	1.595975	1.247998	0.178422	72097	24	72073
733.2	Cyst of bon	0.662967	1.063887	0.849572	0.178902	65488	109	65379
389.5	Disorders o	0.378038	1.137239	0.682983	0.179607	67585	25	67560
528.11	Stomatitis a	0.552225	1.089433	0.791051	0.179672	70703	61	70642
433.31	Transient cr	0.980072	1.104656	1.041766	0.18024	69631	1244	68387
441	Vascular ins	0.934899	1.305437	1.12145	0.181245	69549	131	69418

225.1	Benign neo	0.795261	1.039109	0.913056	0.183516	72321	325	71996
371.1	Uveitis, nor	0.963136	1.183652	1.072589	0.183661	63921	369	63552
41.2	Streptococ	0.928604	1.33663	1.132115	0.185349	71208	126	71082
447.7	Aortic ecta	0.925257	1.331121	1.131594	0.18558	69519	101	69418
287.2	Allergic pur	0.810217	1.655017	1.273351	0.185733	68389	20	68369
536	Disorders o	0.903176	1.018897	0.960221	0.187085	69617	1529	68088
807	Fracture of	0.965526	1.169634	1.066704	0.187706	67002	475	66527
263	Other nutri	0.685452	1.063608	0.862369	0.188368	62123	127	61996
293.1	Swelling, m	0.896039	1.020562	0.95737	0.189654	71401	1284	70117
202.2	Non-Hodgk	0.823424	1.035242	0.926156	0.189702	72175	435	71740
613.9	Breast diso	0.692593	1.06206	0.866245	0.190103	68277	127	68150
130.1	Lyme disea	0.418825	1.136819	0.715083	0.193207	72021	32	71989
427	Cardiac dys	0.960495	1.00803	0.984096	0.193232	69407	10528	58879
250.14	Type 1 diab	0.938391	1.281604	1.109407	0.194092	62314	156	62158
655	Known or s	0.933391	1.01374	0.973065	0.194962	72062	4126	67936
425.12	Other hype	0.511104	1.109901	0.772032	0.195079	71950	43	71907
856	Vascular co	0.891504	1.432687	1.171564	0.195264	70919	55	70864
713	Arthropath	0.905146	1.391871	1.153856	0.196223	64832	65	64767
364.41	Keratoconu	0.554615	1.09887	0.797059	0.196874	68487	52	68435
289.5	Diseases of	0.917468	1.363138	1.140592	0.197209	65954	96	65858
202.24	Large cell ly	0.492853	1.117813	0.762016	0.197585	71781	41	71740
736.6	Unequal leg	0.572356	1.094176	0.806763	0.197618	67227	64	67163
287.4	Qualitative	0.520076	1.112117	0.777564	0.197941	68421	52	68369
396	Abnormal h	0.879405	1.025152	0.950913	0.198592	69569	933	68636
781.2	Abnormal p	0.680498	1.069273	0.861724	0.198723	71791	124	71667
286.1	Congenital	0.919745	1.358996	1.137681	0.199603	68489	120	68369
656	Other perin	0.893819	1.461268	1.175224	0.203213	73083	70	73013
149.5	Hx of malig	0.547458	1.103948	0.794959	0.203974	72538	52	72486
246.2	Thyroid cys	0.631843	1.083379	0.839003	0.204545	58553	87	58466
306.9	Tension hea	0.72936	1.05972	0.885886	0.205189	48965	173	48792
401.3	Other hype	0.973492	1.12182	1.046878	0.205387	51632	825	50807
695.1	Toxic eryth	0.435174	1.143576	0.729941	0.206728	64458	34	64424
202	Cancer of o	0.836979	1.035731	0.933638	0.207135	72239	499	71740

249 Secondary c	0.891544	1.428001	1.165248	0.20809	62215	57	62158
621 Endometriā	0.942093	1.250076	1.095483	0.208407	71358	194	71164
724.9 Other unsp	0.923073	1.320448	1.122398	0.209231	62742	110	62632
41.12 Methicillin	0.909411	1.370546	1.141391	0.21101	71173	91	71082
456 Chronic ver	0.792153	1.046734	0.914889	0.21199	66005	282	65723
711 Arthropath	0.919502	1.326773	1.124543	0.213463	64886	119	64767
465.4 Acute laryn	0.739281	1.060056	0.892149	0.216253	51763	167	51596
767 Cervicocrar	0.435934	1.147691	0.734356	0.217422	66855	31	66824
756.21 Pectus exca	0.411154	1.161921	0.718511	0.217477	72103	30	72073
253 Disorders o	0.962263	1.162343	1.061176	0.218727	67529	534	66995
345.11 Generalizec	0.829116	1.04046	0.931477	0.221039	64137	500	63637
754.2 Spondylolis	0.741715	1.061562	0.894191	0.223308	72246	173	72073
728.2 Laxity of lig	0.590805	1.104047	0.82229	0.223483	58960	73	58887
349 Other and t	0.942384	1.23871	1.0889	0.223781	63864	227	63637
643.1 Hyperemes	0.744082	1.06345	0.894903	0.223852	72865	203	72662
614.1 Pelvic perit	0.83091	1.0404	0.932576	0.224311	65939	468	65471
244.2 Acquired hy	0.960064	1.165626	1.062028	0.224927	58925	459	58466
671 Venous/cer	0.905309	1.382031	1.140896	0.226348	72907	101	72806
800.3 Fracture of	0.825374	1.042145	0.930606	0.227532	66946	419	66527
751.3 Obstructive	0.905367	1.368224	1.136875	0.228133	71856	96	71760
597.2 Urinary con	0.89758	1.377304	1.141259	0.231109	69779	75	69704
530.14 Reflux esop	0.837551	1.04006	0.93635	0.234722	58514	470	58044
362.31 Separation	0.503911	1.136339	0.779558	0.235659	68305	40	68265
593.1 Gross hema	0.794039	1.052085	0.918711	0.238933	56925	270	56655
381.9 Otorrhea	0.673354	1.086745	0.866223	0.242476	64392	106	64286
272.9 Unspecifec	0.624104	1.100206	0.843736	0.243937	54983	71	54912
350.1 Abnormal ii	0.876023	1.031855	0.952461	0.244003	70237	825	69412
360.2 Progressive	0.658486	1.092722	0.859996	0.246226	68528	93	68435
271 Disorders o	0.885289	1.402697	1.147376	0.24726	73099	64	73035
199 Neoplasm c	0.979625	1.079096	1.028946	0.247543	69720	2102	67618
750.22 Congenital	0.528635	1.137297	0.795907	0.248019	71808	48	71760
284 Aplastic ane	0.872542	1.449621	1.163848	0.248458	66727	58	66669
385.3 Cholesteatc	0.689194	1.085088	0.874556	0.249691	64407	121	64286

201 Hodgkin's d	0.66725	1.094349	0.864694	0.251904	71848	108	71740
250.3 Insulin pum	0.966959	1.122791	1.043958	0.259514	63019	861	62158
379.1 Scleritis anc	0.939785	1.216984	1.077404	0.259977	65381	239	65142
626.15 Infertility, f	0.624052	1.112372	0.846161	0.260347	51011	83	50928
555.21 Ulcerative c	0.925184	1.267826	1.095022	0.261585	60801	180	60621
362.21 Macular de	0.78822	1.058064	0.91895	0.261882	68494	229	68265
279.7 Other immu	0.915215	1.023611	0.968737	0.266214	70748	1783	68965
442.4 Arterial dis	0.59936	1.123177	0.83595	0.267308	69484	66	69418
303.4 Somatoforr	0.94675	1.186197	1.065233	0.273254	49156	364	48792
270.2 Disorders o	0.825315	1.553728	1.197538	0.273481	71809	34	71775
710 Osteomyeli	0.948777	1.177312	1.06222	0.274147	65131	364	64767
242.3 Exophthalr	0.910049	1.302616	1.105958	0.274741	58583	117	58466
577.3 Cyst and ps	0.704805	1.088582	0.885728	0.276714	72623	121	72502
872 Traumatic a	0.839795	1.487657	1.174867	0.27695	68728	39	68689
457.3 Encounter f	0.847674	1.045039	0.943951	0.28078	66199	476	65723
411.9 Other acute	0.848317	1.457397	1.162933	0.280884	67414	40	67374
316.1 Polyneurop	0.807067	1.534648	1.195556	0.281402	64584	27	64557
90.3 Venereal di	0.400711	1.230822	0.733437	0.284157	72882	24	72858
251.1 Hypoglycen	0.947912	1.177091	1.060809	0.286365	58302	421	57881
149.9 Cancer of o	0.828272	1.495677	1.176005	0.28822	72518	32	72486
189.12 Malignant r	0.844	1.454405	1.160514	0.289121	72633	39	72594
647 Infectious a	0.8142	1.058161	0.931609	0.290103	72237	376	71861
686.2 Impetigo	0.68797	1.100486	0.880595	0.291477	65919	111	65808
250.13 Type 1 diab	0.660137	1.11196	0.868829	0.293694	62250	92	62158
740.3 Osteoarthr	0.924611	1.238766	1.081789	0.294018	61665	158	61507
499 Cystic fibro	0.82599	1.540176	1.184689	0.295803	73145	42	73103
333 Extrapyram	0.889349	1.034388	0.9606	0.297298	64576	939	63637
771 Musculoske	0.954137	1.150489	1.051091	0.297452	70021	515	69506
647.3 Major puer	0.830631	1.529489	1.179211	0.298234	71903	42	71861
277 Other disor	0.904311	1.303368	1.102624	0.29878	71887	124	71763
355.1 Chronic pai	0.854304	1.045635	0.947888	0.300013	67115	521	66594
303.31 Gastrointes	0.591648	1.139036	0.839539	0.300128	48847	55	48792
441.1 Acute vascl	0.830163	1.478216	1.166664	0.302147	69454	36	69418

427.11	Paroxysmal	0.883012	1.036925	0.958552	0.302199	59740	861	58879
859	Complicatic	0.9376	1.196705	1.066036	0.305919	71150	286	70864
300.3	Obsessive-c	0.92917	1.224076	1.074927	0.30635	49053	261	48792
599.8	Other symp	0.715945	1.09376	0.894747	0.30648	58865	126	58739
512.2	Painful resp	0.895992	1.033334	0.963464	0.30659	50385	1083	49302
754.1	Lumbosacr	0.391395	1.247342	0.735352	0.307115	72097	24	72073
742.1	Loose body	0.483159	1.190552	0.78789	0.307963	65244	33	65211
770	Myalgia and	0.951563	1.015774	0.983421	0.315625	70758	5231	65527
560.2	Impaction c	0.810781	1.543865	1.182935	0.316424	60653	32	60621
433.1	Occlusion a	0.969395	1.095092	1.031645	0.316638	69571	1184	68387
980	Encounter f	0.897954	1.305088	1.100825	0.318086	73068	113	72955
194	Cancer of o	0.854109	1.418	1.139909	0.318432	71425	54	71371
795.81	Elevated ca	0.783889	1.557902	1.193048	0.319832	72855	22	72833
962.3	Hormones ;	0.795842	1.557683	1.188734	0.323638	68627	30	68597
753	Congenital	0.557645	1.167723	0.828457	0.323709	72466	47	72419
312.3	Impulse cor	0.871954	1.389559	1.125607	0.324843	71015	83	70932
292.5	Transient a	0.784134	1.075195	0.923659	0.325614	67172	244	66928
781	Symptoms i	0.931695	1.204409	1.066521	0.327277	71932	265	71667
368.3	Anisometrc	0.459319	1.219165	0.781094	0.329259	69359	27	69332
619.5	Noninflamr	0.785718	1.075095	0.924707	0.32931	66918	226	66692
530.13	Barrett's es	0.907685	1.260875	1.085094	0.333112	58183	139	58044
260.22	Nutritional	0.835471	1.480251	1.152235	0.339168	62054	58	61996
223	Benign neo	0.676222	1.119522	0.883483	0.339276	58655	87	58568
654	Other and t	0.846599	1.448063	1.141653	0.339504	70969	60	70909
261.2	Vitamin B-c	0.968127	1.092924	1.029946	0.340378	63281	1285	61996
961	Poisoning b	0.503697	1.204969	0.806698	0.341445	68633	36	68597
202.23	Lymphosar	0.87545	1.347324	1.111329	0.342409	71820	80	71740
170.1	Bone cance	0.870289	1.356341	1.114408	0.344159	72935	74	72861
741.5	Hemarthro:	0.569583	1.169275	0.838833	0.344217	65256	45	65211
172.22	Squamous c	0.74299	1.093198	0.910565	0.34448	65934	140	65794
836	Traumatic a	0.875944	1.340407	1.108522	0.347571	68993	80	68913
795	Other and r	0.62949	1.146261	0.865184	0.347639	72903	70	72833
90	Sexually tra	0.733065	1.10255	0.906774	0.34879	72998	140	72858

290.13 Senile dem	0.786133	1.078708	0.92759	0.353218	67125	197	66928
362.9 Retinal ede	0.79136	1.077468	0.929428	0.354292	68479	214	68265
736.1 Acquired de	0.784043	1.539039	1.176312	0.354854	67190	27	67163
303.3 Psychogeni	0.754576	1.092649	0.915973	0.354981	48960	168	48792
772.1 Muscular w	0.6087	1.156461	0.858079	0.355088	68222	57	68165
362.8 Retinal her	0.860339	1.367449	1.116213	0.357664	68326	61	68265
259.4 Precocious	0.740267	1.778742	1.231416	0.359301	67019	24	66995
427.3 Other speci	0.966675	1.092675	1.029043	0.35996	60171	1292	58879
394.2 Mitral valve	0.875349	1.333451	1.104267	0.360501	68717	81	68636
751.2 Congenital	0.841684	1.059649	0.947699	0.361425	72178	418	71760
550.4 Umbilical h	0.93121	1.189901	1.058705	0.363176	70021	295	69726
275.51 Hypocalcen	0.942506	1.158119	1.049034	0.363438	71338	420	70918
614.54 Abscess or	0.702821	1.119925	0.898116	0.368727	65578	107	65471
259.2 Carcinoid sy	0.844602	1.389557	1.1225	0.369476	67050	55	66995
800 Fracture of	0.901823	1.037192	0.968479	0.369679	67614	1087	66527
737.1 Kyphosis (a	0.69671	1.121782	0.896395	0.371621	67267	104	67163
170 Cancer of b	0.921218	1.210112	1.064299	0.372563	73087	226	72861
686.3 Pilonidal cy	0.840436	1.435618	1.130665	0.374906	65871	63	65808
574.12 Cholelithias	0.878396	1.047113	0.960996	0.375247	71115	738	70377
589 Abnormal r	0.847168	1.387366	1.119989	0.375425	68632	60	68572
212 Benign neo	0.897609	1.268218	1.0818	0.37599	73071	134	72937
756 Other cong	0.914858	1.228346	1.069009	0.377033	72300	227	72073
379.9 Pain, swelli	0.826998	1.067947	0.943923	0.377368	65456	314	65142
596 Other disor	0.886932	1.044183	0.964205	0.381844	70508	804	69704
530.6 Diverticulur	0.501096	1.222905	0.817517	0.38568	58073	29	58044
497 Bronchitis	0.950883	1.128834	1.038704	0.386226	63778	645	63133
528.6 Leukoplakia	0.49794	1.229273	0.815998	0.387223	70673	31	70642
327.71 Restless leg	0.952821	1.121585	1.036446	0.390081	62383	670	61713
368.4 Visual field	0.931366	1.176279	1.052335	0.393094	69650	318	69332
229 Benign neo	0.730768	1.112974	0.91199	0.393545	72932	125	72807
722.7 Interverteb	0.757009	1.101324	0.921476	0.394693	62785	153	62632
526.5 Inflammato	0.596401	1.181906	0.860743	0.395452	68379	51	68328
691.3 Congenital	0.547292	1.206195	0.840457	0.396544	64465	41	64424



654.1 Abnormalit	0.918597	1.212326	1.061866	0.397774	71162	253	70909
379.3 Aphakia an	0.829731	1.407987	1.122191	0.399518	65188	46	65142
580.14 Chronic glo	0.768694	1.545452	1.166816	0.399596	68600	28	68572
624.1 Dystrophy c	0.607236	1.175268	0.866378	0.400416	63939	50	63889
381.3 Mastoiditis	0.682997	1.138896	0.895417	0.40068	64377	91	64286
264.2 Failure to tl	0.418364	1.312131	0.77962	0.401332	62020	24	61996
586.1 Anatomical	0.55969	1.213004	0.846754	0.404913	68622	50	68572
53.1 Herpes zost	0.676039	1.142265	0.894372	0.408625	63196	74	63122
527 Diseases of	0.825467	1.07388	0.946053	0.409895	70948	306	70642
346.3 Nonspecific	0.822403	1.435924	1.125756	0.412158	63688	51	63637
585.4 Chronic kid	0.830971	1.073131	0.948275	0.416774	68918	346	68572
594.8 Renal colic	0.757881	1.107358	0.924179	0.417263	70554	170	70384
527.7 Disturbanc	0.748486	1.110681	0.921192	0.417642	70784	142	70642
614.31 Acute inflar	0.511322	1.251459	0.829806	0.419457	65503	32	65471
344 Other paral	0.893352	1.262416	1.073692	0.422821	63788	151	63637
426.31 Right bundl	0.884329	1.276049	1.078355	0.423718	58998	119	58879
586.4 Stricture/ol	0.911719	1.212521	1.059984	0.425637	68809	237	68572
278.4 Abnormal v	0.971654	1.068105	1.01941	0.426012	62287	2388	59899
334.2 Anterior ho	0.629453	1.176143	0.879729	0.42674	63698	61	63637
255.12 Hyperaldos	0.842882	1.364205	1.103719	0.427836	67055	60	66995
290.11 Alzheimer's	0.844165	1.068391	0.95373	0.431268	67272	344	66928
170.2 Cancer of c	0.901133	1.231948	1.064877	0.433368	73032	171	72861
290.1 Dementias	0.890468	1.048193	0.967969	0.434108	67673	745	66928
747.2 Congenital	0.768879	1.106458	0.929868	0.435654	72117	180	71937
451 Phlebitis an	0.921972	1.183731	1.051132	0.435753	66006	283	65723
695.2 Bullous der	0.830904	1.376538	1.106925	0.436057	64474	50	64424
250.21 Type 2 diab	0.643849	1.178302	0.887179	0.441106	62226	68	62158
429 Ill-defined c	0.911846	1.039518	0.974731	0.444193	69785	1260	68525
253.3 Diabetes in	0.831626	1.381532	1.105754	0.444941	67061	66	66995
229.1 Benign neo	0.670096	1.159227	0.898061	0.446615	72883	76	72807
211 Benign neo	0.874624	1.056716	0.963897	0.44667	72005	594	71411
743.2 Pathologic t	0.867401	1.060028	0.961895	0.44844	64266	504	63762
958.2 Traumatic a	0.671758	1.160725	0.898809	0.448725	73088	79	73009

275 Disorders o	0.921449	1.03546	0.977771	0.450242	72418	1500	70918
860 Bone marrc	0.655934	1.17054	0.893744	0.451828	73161	72	73089
279.8 Other speci	0.837059	1.359911	1.098226	0.455748	69032	67	68965
748 Anomalies (	0.805881	1.43306	1.118121	0.455951	72902	48	72854
596.5 Functional (	0.874229	1.058227	0.964384	0.457397	70292	588	69704
727.5 Rupture of	0.766361	1.110442	0.931789	0.457733	59031	144	58887
961.1 Poisoning/c	0.870669	1.290307	1.077338	0.462076	68712	115	68597
695.9 Unspecifec	0.682871	1.159116	0.904894	0.463104	64509	85	64424
701.1 Keratoderm	0.792894	1.099356	0.940701	0.46524	68249	188	68061
388 Other disor	0.641932	1.182409	0.891347	0.465768	67621	61	67560
519.1 Tracheosto	0.722899	1.563472	1.158546	0.465774	70068	20	70048
359.1 Muscular d	0.771803	1.486849	1.133027	0.466472	70466	36	70430
253.1 Pituitary hy	0.798133	1.098669	0.942373	0.468044	67228	233	66995
550.3 Femoral he	0.445233	1.310806	0.813946	0.468044	69747	21	69726
426.23 Second deg	0.851309	1.324732	1.086324	0.468242	58958	79	58879
590 Pyelonephr	0.940388	1.132512	1.034923	0.469858	57242	587	56655
362.29 Macular de	0.831579	1.080362	0.952991	0.471894	68537	272	68265
646 Other comp	0.937242	1.14062	1.036608	0.473385	72665	596	72069
527.2 Sialoadeniti	0.747974	1.126438	0.927955	0.476722	70771	129	70642
79.9 Viremia, NC	0.463556	1.320635	0.824067	0.477217	63145	23	63122
676 Other disor	0.45505	1.331309	0.819892	0.47725	72831	25	72806
333.1 Essential tr	0.862013	1.066988	0.962109	0.478547	64092	455	63637
480.11 Pneumococ	0.772956	1.4783	1.125983	0.483268	62910	31	62879
362.7 Hereditary	0.856112	1.30246	1.078359	0.485616	68354	89	68265
337 Disorders o	0.835852	1.083061	0.955608	0.49306	63982	345	63637
250.5 Glycosuria (	0.828934	1.367893	1.092693	0.493901	62230	72	62158
871.4 Open woun	0.593418	1.232331	0.87953	0.496563	68737	48	68689
184.1 Malignant r	0.905508	1.197161	1.04976	0.497382	66788	220	66568
711.3 Behcet's sy	0.563774	1.252956	0.869321	0.499053	64811	44	64767
803.3 Fracture of	0.897998	1.211975	1.052532	0.505483	66731	204	66527
79.2 Infectious r	0.758611	1.131231	0.934298	0.506582	63293	171	63122
716.1 Unspecifec	0.697113	1.164271	0.916211	0.507676	64858	91	64767
287.31 Primary thr	0.877387	1.256253	1.062995	0.507936	68515	146	68369

145	Cancer of n	0.720705	1.149312	0.923737	0.508834	72584	98	72486
857	Mechanical	0.749654	1.135038	0.933129	0.515885	70995	131	70864
365.5	Pseudoexfc	0.470525	1.308176	0.839282	0.516302	68455	20	68435
740.12	Osteoarthr	0.825877	1.339909	1.083867	0.519178	61563	56	61507
769	Nonallopatl	0.693799	1.171185	0.917197	0.521498	73084	82	73002
530.3	Stricture an	0.853451	1.076948	0.962825	0.524178	58407	363	58044
752.2	Other speci	0.682535	1.18321	0.91387	0.524535	72506	87	72419
987	Toxic effect	0.535857	1.284483	0.865489	0.525151	72870	31	72839
471	Nasal polyp	0.800793	1.10748	0.948893	0.527681	53997	195	53802
363.3	Chorioretin	0.740212	1.142681	0.931993	0.527947	68543	108	68435
523.32	Chronic per	0.563275	1.261755	0.876151	0.528086	68362	34	68328
253.2	Pituitary hy	0.828439	1.337525	1.08084	0.53064	67069	74	66995
447.1	Stricture of	0.839056	1.314972	1.075362	0.530948	69492	74	69418
580.2	Nephrotic s	0.5815	1.255922	0.882489	0.531227	68614	42	68572
614.4	Inflammatc	0.845112	1.312883	1.073555	0.531902	65564	93	65471
364.9	Cornea repl	0.791268	1.394274	1.095891	0.532638	68475	40	68435
643	Excessive vi	0.823926	1.098069	0.955463	0.534822	72963	301	72662
376	Disorders o	0.758668	1.451091	1.110477	0.535521	65174	32	65142
204.1	Lymphoid li	0.757495	1.137037	0.937809	0.537854	71878	138	71740
159.2	Malignant r	0.665168	1.192489	0.911276	0.538011	70841	64	70777
136	Other infec	0.882903	1.231306	1.053897	0.538673	72153	164	71989
370.1	Corneal ulc	0.885854	1.22323	1.052235	0.538697	63720	168	63552
250.23	Type 2 diab	0.909201	1.179301	1.041712	0.539282	62405	247	62158
573.6	Nonspecific	0.895472	1.056392	0.974431	0.539414	66010	820	65190
612.1	Galactorrh	0.796577	1.114273	0.948813	0.540816	61933	200	61733
704.2	Hirsutism	0.869808	1.071324	0.968027	0.541575	68366	525	67841
377.1	Optic atrop	0.765028	1.131634	0.940607	0.542245	65275	133	65142
732.1	Juvenile ost	0.580935	1.26445	0.884762	0.542954	65423	44	65379
379.5	Disorders o	0.746304	1.143566	0.935922	0.545877	65253	111	65142
558	Noninfectic	0.919218	1.044088	0.980776	0.550454	61968	1347	60621
442.8	Aneurysm c	0.684409	1.185128	0.919065	0.551557	69492	74	69418
244.5	Congenital	0.545637	1.290325	0.875589	0.553563	58500	34	58466
803	Fracture of	0.926853	1.040261	0.98289	0.55803	68106	1579	66527

681.2 Cellulitis an	0.914913	1.1615	1.035897	0.563454	66146	338	65808
332 Parkinson's	0.827166	1.098845	0.958966	0.564231	63883	246	63637
117 Mycoses	0.892286	1.201643	1.044877	0.565193	66560	197	66363
752 Nervous sy:	0.878753	1.231367	1.050749	0.567494	72601	182	72419
870.2 Open woun	0.740954	1.4971	1.111021	0.567777	68726	37	68689
174.2 Breast canc	0.762743	1.138239	0.943048	0.568648	64509	128	64381
574.3 Cholecystiti	0.917978	1.153011	1.033518	0.571785	70742	365	70377
635.3 Placenta pr	0.906008	1.178494	1.038734	0.57195	67644	311	67333
451.2 Phlebitis an	0.888047	1.208197	1.045589	0.572471	65911	188	65723
41.8 H. pylori	0.779438	1.131362	0.947563	0.572853	71236	154	71082
269 Proteinuria	0.925611	1.137774	1.029911	0.576373	72222	447	71775
519 Other disea	0.954787	1.082199	1.017844	0.580182	71266	1218	70048
250.1 Type 1 diab	0.95251	1.086295	1.018567	0.583454	63333	1175	62158
279.11 Deficiency (	0.85166	1.270269	1.057967	0.584383	69078	113	68965
300.8 Acute react	0.807588	1.114982	0.955882	0.584945	48996	204	48792
654.2 Rhesus isoi	0.80121	1.121397	0.954218	0.586072	71147	238	70909
709.7 Unspecifiec	0.82854	1.101803	0.961054	0.58612	63678	264	63414
315.2 Speech and	0.768338	1.430129	1.091827	0.587477	70978	46	70932
907 Injuries to t	0.825207	1.104731	0.960511	0.589471	72983	249	72734
252.2 Hypoparat	0.770895	1.13934	0.947422	0.59024	67136	141	66995
199.4 Neurofibroi	0.759648	1.441026	1.094201	0.590556	67661	43	67618
870.5 Open woun	0.856338	1.264109	1.05528	0.591139	68812	123	68689
320 Meningitis	0.774396	1.139237	0.948364	0.592278	72823	153	72670
250.42 Other abno	0.929029	1.041671	0.984658	0.59655	63754	1596	62158
756.5 Congenital	0.720015	1.490687	1.106167	0.597942	72102	29	72073
361.2 Retinoschis	0.482792	1.358108	0.867622	0.602858	68455	20	68435
535 Gastritis an	0.927246	1.043237	0.984503	0.603635	69641	1553	68088
110.12 Athlete's fo	0.874118	1.225133	1.045777	0.605283	66507	144	66363
759.1 Anomalies (	0.70965	1.513327	1.106565	0.611686	72244	29	72215
270.38 Other speci	0.745176	1.448955	1.091129	0.615388	71808	33	71775
327.7 Sleep relate	0.907086	1.05638	0.980696	0.616371	62588	875	61713
729.1 Rheumatism	0.518919	1.333292	0.883412	0.617121	58910	23	58887
362.4 Retinal vasc	0.824312	1.108985	0.962752	0.617323	68482	217	68265

794 Abnormal r	0.616602	1.258083	0.911802	0.618502	73107	43	73064
292.11 Aphasia	0.899661	1.17186	1.033684	0.624472	67178	250	66928
560.3 Peritoneal c	0.783944	1.368038	1.073221	0.624857	60670	49	60621
875 Non-healing	0.762283	1.406165	1.080829	0.626462	68732	43	68689
636.8 Cervical inc	0.763782	1.156683	0.949643	0.627186	67473	140	67333
674 Other comp	0.827307	1.308256	1.058333	0.630786	72907	101	72806
362.1 Retinopath	0.65348	1.562287	1.117262	0.631772	68285	20	68265
686 Other local	0.932778	1.113195	1.021636	0.635596	66423	615	65808
596.1 Bladder nec	0.640204	1.246475	0.921429	0.636155	69754	50	69704
279.2 Autoimmun	0.726665	1.459984	1.090465	0.636423	68999	34	68965
353.1 Nerve plexu	0.721998	1.186955	0.941341	0.636819	66688	94	66594
727.7 Contracture	0.836027	1.272909	1.051965	0.640126	58977	90	58887
530.15 Eosinophilic	0.667687	1.23183	0.929023	0.642025	58112	68	58044
356 Hereditary	0.954649	1.074805	1.014156	0.642255	71779	1349	70430
377.3 Optic neurit	0.820691	1.116728	0.964017	0.64226	65368	226	65142
149.4 Cancer of la	0.865563	1.224482	1.042251	0.642334	72627	141	72486
204.12 Lymphoid li	0.740033	1.175134	0.946306	0.642743	71841	101	71740
262 Mineral def	0.785242	1.360998	1.068414	0.642928	62050	54	61996
276.8 Polydipsia	0.747032	1.173694	0.948042	0.645676	64195	111	64084
556.11 Angiodyspl	0.636568	1.251551	0.922681	0.646384	60663	42	60621
370.2 Superficial l	0.862572	1.227238	1.04233	0.647053	63679	127	63552
333.8 Other dege	0.662902	1.236059	0.929113	0.648098	63691	54	63637
255.3 Adrenogeni	0.762029	1.406135	1.074603	0.651932	67046	51	66995
270.11 Disturbanc	0.651772	1.586727	1.112162	0.653237	71798	23	71775
368.9 Subjective v	0.888133	1.072576	0.97862	0.653949	69910	578	69332
345.1 Epilepsy	0.920184	1.051854	0.984965	0.657192	64952	1315	63637
513.8 Disorders o	0.771559	1.370278	1.067617	0.661603	71978	49	71929
457 Encounter f	0.888975	1.072908	0.979204	0.661788	66277	554	65723
733.8 Malunion a	0.82757	1.115177	0.967149	0.661861	65609	230	65379
749 Congenital	0.713048	1.204483	0.942956	0.663595	72945	91	72854
580.1 Glomerulor	0.703855	1.212051	0.94122	0.665628	68649	77	68572
858 Complicatio	0.912406	1.140841	1.024913	0.666759	71238	374	70864
276.5 Hypovolem	0.966802	1.052582	1.009243	0.671441	67271	3187	64084

377 Disorders o	0.92023	1.127261	1.022172	0.672461	65609	467	65142
870.1 Open woun	0.801454	1.32444	1.056271	0.673611	68761	72	68689
164 Cancer of ir	0.521474	1.364768	0.900056	0.678467	72698	23	72675
695.81 Erythema n	0.67196	1.241865	0.936503	0.679524	64484	60	64424
153.3 Malignant r	0.869777	1.205688	1.035189	0.679856	67272	157	67115
303 Psychogeni	0.923264	1.120823	1.020591	0.680861	49327	535	48792
530.9 Heartburn	0.913021	1.135932	1.022911	0.685132	58437	393	58044
635 Hemorrhag	0.935761	1.101362	1.016987	0.68551	68202	869	67333
448 Disease of c	0.515575	1.373403	0.900284	0.685696	69442	24	69418
286.11 Von willebr	0.617032	1.301185	0.925163	0.687771	68417	48	68369
10 Tuberculosi	0.817417	1.292016	1.048107	0.690739	71165	83	71082
519.8 Other disea	0.783918	1.338663	1.056711	0.69104	70105	57	70048
333.3 Tics and cho	0.54256	1.366591	0.908526	0.691642	63665	28	63637
739 Contracture	0.812476	1.131873	0.966911	0.692126	67350	187	67163
253.5 Pituitary dv	0.615234	1.301032	0.925848	0.692194	67043	48	66995
252.1 Hyperparat	0.932311	1.104224	1.01722	0.692874	67621	626	66995
430.2 Intracerebr	0.899895	1.155059	1.025111	0.697749	68675	288	68387
366.1 Nonsenile C	0.629419	1.277109	0.93129	0.698923	67223	38	67185
910 Superficial i	0.691769	1.469124	1.078565	0.703049	73103	28	73075
71.1 HIV infectic	0.888414	1.174462	1.027419	0.704755	63346	224	63122
355 Complex re	0.8542	1.102985	0.975535	0.704877	66913	319	66594
526.1 Cysts of the	0.727943	1.429029	1.068696	0.706339	68366	38	68328
110.13 Dermatoph	0.779049	1.16271	0.962052	0.706471	66492	129	66363
519.9 Symptoms i	0.919549	1.055932	0.986833	0.70736	71106	1058	70048
480.5 Bronchopne	0.778475	1.342414	1.054488	0.707498	62935	56	62879
586.12 Vesicourete	0.601508	1.330554	0.928025	0.717372	68615	43	68572
535.2 Atrophic ga	0.892686	1.076868	0.982962	0.71988	68697	609	68088
971 Poisoning b	0.560928	1.367453	0.919945	0.72013	68627	30	68597
715.3 Spinal enth	0.737717	1.382187	1.059923	0.722618	64881	40	64841
281.11 Pernicious ;	0.822347	1.131616	0.971643	0.725028	66875	206	66669
426.22 Mobitz II A\	0.578439	1.342132	0.926311	0.728638	58907	28	58879
325 Phlebitis an	0.727369	1.413796	1.062149	0.729014	72713	43	72670
333.2 Myoclonus	0.748474	1.392245	1.057411	0.729052	63686	49	63637

292.12 Symbolic dy	0.647387	1.535352	1.081981	0.730898	66950	22	66928
357 Inflammato	0.866288	1.098179	0.979718	0.735526	70783	353	70430
595 Hydroneph	0.923348	1.111799	1.016108	0.736338	70984	600	70384
313.2 Tics and stu	0.581799	1.360009	0.929104	0.73955	70967	35	70932
327.6 Circadian r	0.560155	1.366775	0.925403	0.740589	61740	27	61713
636.1 Threatened	0.918365	1.119968	1.016868	0.741388	67929	596	67333
253.4 Anterior pit	0.798747	1.153936	0.969501	0.742816	67157	162	66995
686.4 Pyogenic gr	0.657919	1.276314	0.945912	0.746458	65854	46	65808
716.8 Palindromic	0.690373	1.437593	1.063064	0.751484	64797	30	64767
578.9 Hemorrhag	0.904937	1.13631	1.018609	0.751539	64276	369	63907
594 Urinary calc	0.940587	1.043829	0.991638	0.752033	72450	2066	70384
374.2 Lagophthal	0.670005	1.459453	1.066596	0.752669	63575	23	63552
599.1 Urinary obs	0.723453	1.217649	0.958846	0.754694	58814	75	58739
277.51 Lipoprotein	0.613551	1.323269	0.939581	0.755913	71799	36	71763
594.1 Calculus of	0.935205	1.04817	0.991014	0.756449	72097	1713	70384
594.3 Calculus of	0.891771	1.081683	0.984827	0.756612	70983	599	70384
313.3 Autism	0.745829	1.393181	1.051387	0.756928	70991	59	70932
594.2 Calculus of	0.685659	1.255217	0.953119	0.759307	70444	60	70384
414.2 ASCVD	0.872127	1.097389	0.982283	0.760936	67748	374	67374
335 Multiple scl	0.925612	1.056006	0.989865	0.762033	64918	1281	63637
131 Protozoan i	0.82198	1.142127	0.975044	0.763685	72164	175	71989
870 Open woun	0.919022	1.061448	0.989169	0.767188	69716	1027	68689
363 Chorioretin	0.847514	1.117332	0.979361	0.768203	68680	245	68435
586.2 Cyst of kidn	0.890772	1.084662	0.98578	0.775967	69106	534	68572
803.21 Colles' fract	0.829636	1.134055	0.977502	0.776329	66728	201	66527
264.9 Lack of nori	0.766046	1.351606	1.042085	0.778439	62067	71	61996
580.12 Non-prolife	0.568286	1.3855	0.936421	0.779209	68601	29	68572
790 Nonspecific	0.90129	1.076429	0.987369	0.77932	68858	669	68189
709.6 Other speci	0.878346	1.094844	0.984446	0.780802	63837	423	63414
870.3 Other open	0.917313	1.11384	1.013896	0.780863	69229	540	68689
498 Acute bron	0.827875	1.246174	1.029571	0.781718	63248	115	63133
850 Hemorrhag	0.895027	1.144362	1.017513	0.782494	71182	318	70864
360 Disorders o	0.804133	1.157269	0.974887	0.785467	68582	147	68435

592.12 Chronic cys	0.741772	1.212674	0.967856	0.796887	56733	78	56655
250.25 Diabetes ty	0.796798	1.167131	0.97524	0.798095	62289	131	62158
535.6 Duodenitis	0.80878	1.264122	1.029224	0.802511	68189	101	68088
782 Symptoms	0.840832	1.216913	1.023875	0.803793	67319	135	67184
742.2 Pathologica	0.751963	1.211349	0.970155	0.805116	65313	102	65211
780 Hypotherm	0.710291	1.251436	0.964619	0.805519	73131	66	73065
213 Benign neo	0.829644	1.140317	0.980261	0.806775	58769	201	58568
218.2 Other beniğ	0.859086	1.190212	1.020524	0.808054	65662	176	65486
264.3 Delayed mi	0.637068	1.341711	0.954385	0.808211	62040	44	61996
528.7 Sialolithiasi	0.636846	1.50044	1.056368	0.808912	70663	21	70642
374.1 Ectropion o	0.840434	1.209838	1.022446	0.812417	63670	118	63552
731.1 Osteitis def	0.572401	1.373565	0.947169	0.814146	65402	23	65379
429.2 Abnormal f	0.914472	1.11214	1.011673	0.816503	69032	507	68525
619.4 Noninflamr	0.931523	1.089783	1.009255	0.818133	67570	878	66692
288.3 Eosinophili	0.841696	1.213931	1.021758	0.818908	66004	146	65858
741.6 Villonodula	0.611189	1.352247	0.954595	0.823091	65242	31	65211
733.4 Aseptic nec	0.780323	1.187676	0.976158	0.82318	65488	109	65379
669 Complicatic	0.84761	1.129878	0.983745	0.823616	73050	296	72754
755.1 Congenital	0.766856	1.201398	0.974659	0.824214	72175	102	72073
430.1 Subarachnc	0.858477	1.185741	1.018177	0.827799	68569	182	68387
634.3 Ectopic pre	0.839454	1.217348	1.020808	0.82878	67485	152	67333
386.21 Central orig	0.829924	1.222766	1.02162	0.830036	64080	117	63963
772.6 Facial weak	0.85813	1.184824	1.017767	0.831426	68336	171	68165
295.2 Paranoid di	0.882101	1.152274	1.014574	0.832494	49056	264	48792
705.1 Dyshidrosis	0.744334	1.225203	0.973489	0.834289	66116	73	66043
635.2 Antepartun	0.911211	1.1139	1.010212	0.843002	67907	574	67333
255.13 Medulloadr	0.656126	1.314052	0.965666	0.847031	67035	40	66995
723.1 Torticollis	0.680659	1.297894	0.968719	0.849277	62683	51	62632
134 Helminthia:	0.604431	1.38429	0.960098	0.850792	72019	30	71989
202.22 Reticulosar	0.716012	1.260694	0.973043	0.851851	71803	63	71740
350.5 Abnormal r	0.724091	1.357811	1.030841	0.853001	69458	46	69412
573.7 Abnormal r	0.936703	1.054204	0.994738	0.861158	66739	1549	65190
334 Degenerati	0.876815	1.108008	0.989598	0.861247	64023	386	63637



361.1 Retinal det	0.78485	1.192017	0.981505	0.86214	68541	106	68435
184.2 Cancer of o	0.846542	1.190306	1.014715	0.867424	66725	157	66568
938.1 Acute derm	0.588404	1.40404	0.962772	0.868294	62323	29	62294
527.8 Other speci	0.570238	1.416975	0.96114	0.869008	70664	22	70642
184.11 Malignant r	0.846791	1.189603	1.014449	0.86945	66729	161	66568
701.3 Circumscrik	0.796146	1.183994	0.983513	0.870556	68187	126	68061
647.1 Infections c	0.89006	1.137821	1.010213	0.871339	72241	380	71861
990 Effects radi	0.831386	1.208906	1.015682	0.87158	72830	131	72699
290.16 Vascular de	0.802705	1.243565	1.018199	0.872709	67009	81	66928
781.1 Loss of heig	0.720775	1.259654	0.978431	0.880124	71728	61	71667
338.1 Acute pain	0.951794	1.05736	1.004005	0.881642	70397	1893	68504
420.21 Acute peric	0.672108	1.423022	1.029415	0.882837	71938	31	71907
184 Cancer of o	0.899677	1.120417	1.008213	0.884102	66963	395	66568
275.5 Disorders o	0.922437	1.092307	1.006153	0.887032	71602	684	70918
586.3 Vascular dis	0.680779	1.39997	1.026122	0.891838	68609	37	68572
535.9 Gastritis an	0.875286	1.151149	1.009545	0.892227	68362	274	68088
41.9 Infection w	0.794495	1.256583	1.016064	0.89262	71175	93	71082
977 Personal hi	0.75875	1.297979	1.018503	0.895126	68665	68	68597
433.6 Acute, but i	0.911017	1.080482	0.9944	0.897433	69023	636	68387
364.2 Corneal ede	0.758339	1.226278	0.984435	0.899336	68511	76	68435
379.4 Anomalies o	0.705126	1.289738	0.981401	0.904542	65199	57	65142
443.1 Raynaud's s	0.884827	1.106339	0.993355	0.907102	69845	427	69418
378.2 Nystagmus	0.69541	1.299317	0.981457	0.908248	65195	53	65142
741.1 Ankylosis o	0.648868	1.350243	0.97861	0.910035	65245	34	65211
556 Ulceration o	0.83003	1.160316	0.990391	0.91051	60800	179	60621
149 Cancer of la	0.861403	1.161903	1.008486	0.91227	72690	204	72486
117.1 Histoplasmo	0.807507	1.227142	1.011543	0.915207	66470	107	66363
695.8 Other speci	0.849343	1.175645	1.008622	0.918007	64605	181	64424
731 Osteitis def	0.684273	1.373072	1.018809	0.918445	65411	32	65379
305.21 Anorexia ne	0.777241	1.224177	0.988131	0.918523	48927	135	48792
556.1 Ulceration o	0.815366	1.178061	0.990935	0.923209	60769	148	60621
255.22 Mineraloco	0.65641	1.409744	1.019127	0.925056	67027	32	66995
411.3 Angina pect	0.923595	1.071599	0.9966	0.928502	68263	889	67374

227.2 Benign neo	0.839743	1.18345	1.007594	0.931541	71525	154	71371
531.3 Duodenal u	0.799005	1.234881	1.009644	0.931788	71646	101	71545
756.3 Congenital	0.762202	1.242812	0.989927	0.935944	72176	103	72073
362.22 Macular de	0.840939	1.17917	1.006931	0.936456	68407	142	68265
512.3 Abnormal c	0.698123	1.304437	0.987222	0.937079	49349	47	49302
457.2 Encounter f	0.730767	1.314929	1.011934	0.938046	65775	52	65723
876 Posttrauma	0.651795	1.4157	1.015846	0.93854	68719	30	68689
911 Blister	0.595988	1.490428	1.018273	0.940665	73120	22	73098
574.11 Cholelithias	0.824561	1.202577	1.007139	0.941488	70521	144	70377
210 Benign neo	0.851822	1.144791	0.99474	0.944488	72711	225	72486
425.8 Other cardi	0.635252	1.374394	0.986066	0.944883	71938	31	71907
743.22 Pathologic f	0.707671	1.33288	1.011429	0.945143	63805	43	63762
145.2 Cancer of tr	0.655845	1.350947	0.987088	0.945266	72521	35	72486
816 Cerebral lac	0.742568	1.303305	1.010033	0.945381	71374	66	71308
252 Disorders o	0.924072	1.083564	1.002777	0.945631	67736	741	66995
215 Other benign	0.858925	1.158566	1.005185	0.946235	72052	219	71833
346.1 Nonspecific	0.88435	1.129664	1.004108	0.94779	63978	341	63637
732 Osteochond	0.782794	1.254175	1.007923	0.948156	65473	94	65379
756.2 Pectus and	0.667661	1.35141	0.988127	0.948236	72117	44	72073
90.2 Gonococcal	0.621602	1.440585	0.986172	0.94882	72887	29	72858
253.11 Acromegaly	0.641452	1.419509	1.013329	0.949594	67024	29	66995
522 Diseases of	0.863983	1.154126	1.004682	0.949734	68563	235	68328
580.32 Nephritis ar	0.69222	1.326046	0.989511	0.950302	68625	53	68572
535.8 Other speci	0.915227	1.082329	0.997421	0.951919	68832	744	68088
819 Skull and fa	0.912706	1.095747	1.002591	0.955809	71956	648	71308
250.7 Diabetic ret	0.872146	1.12632	0.996425	0.956345	68536	271	68265
418.1 Precordial p	0.903986	1.104081	1.002311	0.963979	54800	465	54335
522.5 Periapical a	0.846794	1.156586	0.996526	0.965215	68534	206	68328
514.2 Solitary pul	0.906943	1.099691	1.001807	0.970765	71782	527	71255
426.25 Other heart	0.598523	1.431192	0.991845	0.971731	58903	24	58879
598 Abnormal f	0.712359	1.327255	1.005583	0.972533	72961	47	72914
983 Toxic effect	0.586457	1.475683	0.991826	0.972977	72861	22	72839
334.1 Spinocereb	0.764142	1.2492	0.995877	0.973979	63718	81	63637

789.1 Persistent v	0.739255	1.300396	1.00457	0.975075	62808	66	62742	
742.8 Articular ca	0.748903	1.264412	0.995779	0.975075	65283	72	65211	
158 Neoplasm c	0.829614	1.174049	0.997319	0.97598	70937	160	70777	
960.1 Adverse eff	0.575221	1.505927	1.007649	0.97623	68618	21	68597	
512.1 Wheezing	0.934404	1.065247	0.999026	0.976768	50481	1179	49302	
242.2 Toxic multi	0.86013	1.142524	0.99809	0.979027	58697	231	58466	
458.1 Orthostatic	0.892186	1.109323	0.998539	0.979061	71212	447	70765	
375.2 Epiphora	0.800887	1.205443	0.997895	0.984014	65242	100	65142	
732.7 Osteochon	0.667182	1.367379	0.996583	0.985422	65418	39	65379	
721.8 Other alliec	0.758442	1.256117	0.997685	0.985799	62705	73	62632	
429.9 Cardiac con	0.761879	1.263115	1.002205	0.986559	68603	78	68525	
644 Anemia dur	0.821583	1.198255	1.001324	0.98908	73121	157	72964	
597.1 Urethral str	0.653844	1.382563	1.001668	0.99324	69738	34	69704	
450 Noninfectic	0.877006	1.127578	0.999763	0.997054	73017	301	72716	
360.3 Hypotony c	0.632841	1.391907	0.999272	0.9972	68461	26	68435	
347 Cataplexy a	0.779605	1.242906	0.99982	0.998799	63740	103	63637	
187 Cancer of o	NA	NA	NA	NA	73119	5	73114	[Error: < 20 cases or controls]
185 Cancer of p	NA	NA	NA	NA	72997	8	72989	[Error: < 20 cases or controls]
601.3 Orchitis anc	NA	NA	NA	NA	72990	1	72989	[Error: < 20 cases or controls]
384.1 Myringitis	NA	NA	NA	NA	64303	17	64286	[Error: < 20 cases or controls]
525.2 Atrophy of	NA	NA	NA	NA	68347	19	68328	[Error: < 20 cases or controls]
389.3 Degenerati	NA	NA	NA	NA	67578	18	67560	[Error: < 20 cases or controls]
149.2 Cancer of n	NA	NA	NA	NA	72498	12	72486	[Error: < 20 cases or controls]
592.3 Urethral str	NA	NA	NA	NA	56657	2	56655	[Error: < 20 cases or controls]
657 Infections s	NA	NA	NA	NA	73157	5	73152	[Error: < 20 cases or controls]
117.4 Aspergillo	NA	NA	NA	NA	66382	19	66363	[Error: < 20 cases or controls]
609 Male infert	NA	NA	NA	NA	72976	6	72970	[Error: < 20 cases or controls]
521.2 Dental abra	NA	NA	NA	NA	68330	2	68328	[Error: < 20 cases or controls]
480.13 MRSA pneu	NA	NA	NA	NA	62886	7	62879	[Error: < 20 cases or controls]
988 Toxic effect	NA	NA	NA	NA	72843	4	72839	[Error: < 20 cases or controls]
604.2 Vascular di	NA	NA	NA	NA	72970	NA	NA	[Error: non-varying phenotype or genotype]
270.34 Alpha-1-ant	NA	NA	NA	NA	71794	19	71775	[Error: < 20 cases or controls]
446.3 Hypersensiti	NA	NA	NA	NA	69433	15	69418	[Error: < 20 cases or controls]

958.1 Postoperati	NA	NA	NA	73011	2	73009	[Error: < 20 cases or controls]
609.2 Abnormal s	NA	NA	NA	72971	1	72970	[Error: < 20 cases or controls]
286.13 Congenital	NA	NA	NA	68380	11	68369	[Error: < 20 cases or controls]
446.8 Thrombotic	NA	NA	NA	69423	5	69418	[Error: < 20 cases or controls]
444.5 Atheroemb	NA	NA	NA	69422	4	69418	[Error: < 20 cases or controls]
133 Arthropod-	NA	NA	NA	71997	8	71989	[Error: < 20 cases or controls]
612.3 Congenital	NA	NA	NA	61746	13	61733	[Error: < 20 cases or controls]
750.14 Congenital	NA	NA	NA	71770	10	71760	[Error: < 20 cases or controls]
286.6 Defibrinatic	NA	NA	NA	68376	7	68369	[Error: < 20 cases or controls]
870.6 Open woun	NA	NA	NA	68705	16	68689	[Error: < 20 cases or controls]
592.21 Urethral sy	NA	NA	NA	56659	4	56655	[Error: < 20 cases or controls]
230 Kaposi's sar	NA	NA	NA	73180	1	73179	[Error: < 20 cases or controls]
270.21 Disorders o	NA	NA	NA	71786	11	71775	[Error: < 20 cases or controls]
480.3 Pneumonia	NA	NA	NA	62891	12	62879	[Error: < 20 cases or controls]
656.8 Perinatal ja	NA	NA	NA	73019	6	73013	[Error: < 20 cases or controls]
972.1 Cardiac rhy	NA	NA	NA	68614	17	68597	[Error: < 20 cases or controls]
31.1 Leprosy	NA	NA	NA	71082	NA	NA	[Error: non-varying phenotype or genotype]
527.1 Hypertroph	NA	NA	NA	70650	8	70642	[Error: < 20 cases or controls]
729.7 Nontrauma	NA	NA	NA	58893	6	58887	[Error: < 20 cases or controls]
379.51 Pigmentary	NA	NA	NA	65160	18	65142	[Error: < 20 cases or controls]
694.3 Vascular di	NA	NA	NA	64438	14	64424	[Error: < 20 cases or controls]
941 Adverse re	NA	NA	NA	62305	11	62294	[Error: < 20 cases or controls]
949.1 Diaper or n	NA	NA	NA	62310	16	62294	[Error: < 20 cases or controls]
277.6 Other defic	NA	NA	NA	71780	17	71763	[Error: < 20 cases or controls]
756.22 Pectus carir	NA	NA	NA	72078	5	72073	[Error: < 20 cases or controls]
284.1 Pancytoper	NA	NA	NA	66681	12	66669	[Error: < 20 cases or controls]
277.8 Carnitine d	NA	NA	NA	71763	NA	NA	[Error: non-varying phenotype or genotype]
187.2 Malignant r	NA	NA	NA	73115	1	73114	[Error: < 20 cases or controls]
187.1 Malignant r	NA	NA	NA	73115	1	73114	[Error: < 20 cases or controls]
722.3 Schmorl's n	NA	NA	NA	62647	15	62632	[Error: < 20 cases or controls]
315.1 Learning di	NA	NA	NA	70946	14	70932	[Error: < 20 cases or controls]
702.4 Degenerati	NA	NA	NA	63949	17	63932	[Error: < 20 cases or controls]
81.1 Graft-versu	NA	NA	NA	72427	8	72419	[Error: < 20 cases or controls]

691.1 Ichthyosis c	NA	NA	NA	64427	3	64424	[Error: < 20 cases or controls]
695.21 Dermatitis l	NA	NA	NA	64436	12	64424	[Error: < 20 cases or controls]
145.1 Cancer of li	NA	NA	NA	72492	6	72486	[Error: < 20 cases or controls]
656.1 Isoimmuniz	NA	NA	NA	73013	NA	NA	[Error: non-varying phenotype or genotype]
605 Erectile dys	NA	NA	NA	72980	10	72970	[Error: < 20 cases or controls]
750.5 Congenital	NA	NA	NA	71761	1	71760	[Error: < 20 cases or controls]
624.2 Atrophy of	NA	NA	NA	63900	11	63889	[Error: < 20 cases or controls]
259.8 Polyglandul	NA	NA	NA	67004	9	66995	[Error: < 20 cases or controls]
580.11 Proliferativ	NA	NA	NA	68587	15	68572	[Error: < 20 cases or controls]
735.22 Claw toe (a	NA	NA	NA	67171	8	67163	[Error: < 20 cases or controls]
637 Short gesta	NA	NA	NA	67330	2	67328	[Error: < 20 cases or controls]
70.1 Viral hepati	NA	NA	NA	63137	15	63122	[Error: < 20 cases or controls]
363.4 Choroidal d	NA	NA	NA	68442	7	68435	[Error: < 20 cases or controls]
573.1 Chronic pas	NA	NA	NA	65196	6	65190	[Error: < 20 cases or controls]
598.4 Other cells	NA	NA	NA	72922	8	72914	[Error: < 20 cases or controls]
134.1 Intestinal h	NA	NA	NA	72007	18	71989	[Error: < 20 cases or controls]
986 Toxic effect	NA	NA	NA	72847	8	72839	[Error: < 20 cases or controls]
443.7 Peripheral ;	NA	NA	NA	69430	12	69418	[Error: < 20 cases or controls]
510.2 Lung transç	NA	NA	NA	70610	12	70598	[Error: < 20 cases or controls]
586.11 Small kidne	NA	NA	NA	68574	2	68572	[Error: < 20 cases or controls]
132.1 Pediculosis	NA	NA	NA	72004	15	71989	[Error: < 20 cases or controls]
420.1 Myocarditis	NA	NA	NA	71925	18	71907	[Error: < 20 cases or controls]
712 Infective co	NA	NA	NA	64781	14	64767	[Error: < 20 cases or controls]
433.32 Moyamoya	NA	NA	NA	68397	10	68387	[Error: < 20 cases or controls]
324.1 Jakob-Creu	NA	NA	NA	72675	5	72670	[Error: < 20 cases or controls]
601.4 Balanopost	NA	NA	NA	72989	NA	NA	[Error: non-varying phenotype or genotype]
442.3 Aneurysm c	NA	NA	NA	69435	17	69418	[Error: < 20 cases or controls]
985 Toxic effect	NA	NA	NA	72849	10	72839	[Error: < 20 cases or controls]
222 Benign neo	NA	NA	NA	73117	3	73114	[Error: < 20 cases or controls]
283.21 Hemolytic-ı	NA	NA	NA	66671	2	66669	[Error: < 20 cases or controls]
656.9 Neonatal bı	NA	NA	NA	73013	NA	NA	[Error: non-varying phenotype or genotype]
976 Poisoning b	NA	NA	NA	68609	12	68597	[Error: < 20 cases or controls]
710.2 Periostitis	NA	NA	NA	64771	4	64767	[Error: < 20 cases or controls]

656.4 Hemorrhag NA	NA	NA	NA	73018	5	73013	[Error: < 20 cases or controls]
8.7 Intestinal ir NA	NA	NA	NA	71947	6	71941	[Error: < 20 cases or controls]
145.4 Cancer of tl NA	NA	NA	NA	72492	6	72486	[Error: < 20 cases or controls]
187.8 Neoplasm c NA	NA	NA	NA	73116	2	73114	[Error: < 20 cases or controls]
270.31 Polyclonal f NA	NA	NA	NA	71785	10	71775	[Error: < 20 cases or controls]
965.2 Antirheumã NA	NA	NA	NA	68605	8	68597	[Error: < 20 cases or controls]
984 Toxic effect NA	NA	NA	NA	72843	4	72839	[Error: < 20 cases or controls]
257.1 Testicular h NA	NA	NA	NA	67007	12	66995	[Error: < 20 cases or controls]
751.12 Congenital NA	NA	NA	NA	71761	1	71760	[Error: < 20 cases or controls]
823 Fracture of NA	NA	NA	NA	65271 NA	NA		[Error: non-varying phenotype or genotype]
446.1 Thromboan NA	NA	NA	NA	69423	5	69418	[Error: < 20 cases or controls]
368.5 Color vision NA	NA	NA	NA	69334	2	69332	[Error: < 20 cases or controls]
256.1 Hyperestro NA	NA	NA	NA	67002	7	66995	[Error: < 20 cases or controls]
281.13 Folate-defic NA	NA	NA	NA	66679	10	66669	[Error: < 20 cases or controls]
603.1 Hydrocele NA	NA	NA	NA	72972	2	72970	[Error: < 20 cases or controls]
687.3 Changes in NA	NA	NA	NA	60265	14	60251	[Error: < 20 cases or controls]
972.2 Antilipemic NA	NA	NA	NA	68599	2	68597	[Error: < 20 cases or controls]
258 Iatrogenic e NA	NA	NA	NA	67003	8	66995	[Error: < 20 cases or controls]
500.1 Extrinsic all NA	NA	NA	NA	68246	18	68228	[Error: < 20 cases or controls]
851 Complicatc NA	NA	NA	NA	70882	18	70864	[Error: < 20 cases or controls]
626.2 Mittelschm NA	NA	NA	NA	50939	11	50928	[Error: < 20 cases or controls]
656.2 Respiratory NA	NA	NA	NA	73032	19	73013	[Error: < 20 cases or controls]
601.1 Prostatitis NA	NA	NA	NA	72991	2	72989	[Error: < 20 cases or controls]
41.21 Rheumatic NA	NA	NA	NA	71091	9	71082	[Error: < 20 cases or controls]
960.3 Poisoning b NA	NA	NA	NA	68599	2	68597	[Error: < 20 cases or controls]
366.3 Traumatic c NA	NA	NA	NA	67196	11	67185	[Error: < 20 cases or controls]
257 Testicular d NA	NA	NA	NA	67012	17	66995	[Error: < 20 cases or controls]
599.7 Urethral dis NA	NA	NA	NA	58739 NA	NA		[Error: non-varying phenotype or genotype]
520.1 Hereditary NA	NA	NA	NA	68339	11	68328	[Error: < 20 cases or controls]
601.8 Other inflar NA	NA	NA	NA	72990	1	72989	[Error: < 20 cases or controls]
285.8 Hemoglobin NA	NA	NA	NA	66674	5	66669	[Error: < 20 cases or controls]
783.1 Postproced NA	NA	NA	NA	67528	14	67514	[Error: < 20 cases or controls]
204.3 Monocytic l NA	NA	NA	NA	71750	10	71740	[Error: < 20 cases or controls]

453 Chronic ver NA	NA	NA	NA	65729	6	65723	[Error: < 20 cases or controls]
522.1 Pulpitis and NA	NA	NA	NA	68346	18	68328	[Error: < 20 cases or controls]
710.3 Osteopathy NA	NA	NA	NA	64769	2	64767	[Error: < 20 cases or controls]
283.2 Non-autoin NA	NA	NA	NA	66676	7	66669	[Error: < 20 cases or controls]
981 Toxic effect NA	NA	NA	NA	72856	17	72839	[Error: < 20 cases or controls]
81.11 Acute graft NA	NA	NA	NA	72419 NA	NA		[Error: non-varying phenotype or genotype]
580.13 Acute glom NA	NA	NA	NA	68587	15	68572	[Error: < 20 cases or controls]
261.1 Vitamin A d NA	NA	NA	NA	62003	7	61996	[Error: < 20 cases or controls]
656.5 Hematologi NA	NA	NA	NA	73014	1	73013	[Error: < 20 cases or controls]
394.3 Aortic valve NA	NA	NA	NA	68644	8	68636	[Error: < 20 cases or controls]
79.1 Varicella ini NA	NA	NA	NA	63134	12	63122	[Error: < 20 cases or controls]
371.33 Noninfectic NA	NA	NA	NA	63562	10	63552	[Error: < 20 cases or controls]
284.2 Constitutio NA	NA	NA	NA	66670	1	66669	[Error: < 20 cases or controls]
285.3 Sideroblast NA	NA	NA	NA	66675	6	66669	[Error: < 20 cases or controls]
711.2 Reiter's dis NA	NA	NA	NA	64785	18	64767	[Error: < 20 cases or controls]
749.2 Congenital NA	NA	NA	NA	72872	18	72854	[Error: < 20 cases or controls]
251.8 Abnormalit NA	NA	NA	NA	67000	5	66995	[Error: < 20 cases or controls]
736.3 Acquired d NA	NA	NA	NA	67172	9	67163	[Error: < 20 cases or controls]
254 Diseases of NA	NA	NA	NA	67013	18	66995	[Error: < 20 cases or controls]
604 Disorders o NA	NA	NA	NA	72971	1	72970	[Error: < 20 cases or controls]
277.2 Other disor NA	NA	NA	NA	71767	4	71763	[Error: < 20 cases or controls]
275.2 Disorders o NA	NA	NA	NA	70926	8	70918	[Error: < 20 cases or controls]
964.1 Anticoagul NA	NA	NA	NA	68612	15	68597	[Error: < 20 cases or controls]
870.8 Open woun NA	NA	NA	NA	68700	11	68689	[Error: < 20 cases or controls]
368.7 Disorders o NA	NA	NA	NA	69333	1	69332	[Error: < 20 cases or controls]
656.26 Transitory t NA	NA	NA	NA	73013 NA	NA		[Error: non-varying phenotype or genotype]
874 Complicatic NA	NA	NA	NA	68704	15	68689	[Error: < 20 cases or controls]
656.22 Interstitial NA	NA	NA	NA	73016	3	73013	[Error: < 20 cases or controls]
753.2 Congenital NA	NA	NA	NA	72437	18	72419	[Error: < 20 cases or controls]
301.1 Schizoid pe NA	NA	NA	NA	48809	17	48792	[Error: < 20 cases or controls]
603.2 Spermatoc NA	NA	NA	NA	72970 NA	NA		[Error: non-varying phenotype or genotype]
604.1 Redundant NA	NA	NA	NA	72970 NA	NA		[Error: non-varying phenotype or genotype]
521.4 Tooth com NA	NA	NA	NA	68340	12	68328	[Error: < 20 cases or controls]

656.6 Perinatal di	NA	NA	NA	73017	4	73013	[Error: < 20 cases or controls]
446.2 Acute febril	NA	NA	NA	69422	4	69418	[Error: < 20 cases or controls]
446.6 Polyarteriti	NA	NA	NA	69435	17	69418	[Error: < 20 cases or controls]
261.3 Vitamin C d	NA	NA	NA	61997	1	61996	[Error: < 20 cases or controls]
749.1 Cleft palate	NA	NA	NA	68491	16	68475	[Error: < 20 cases or controls]
600 Hyperplasi	NA	NA	NA	73001	12	72989	[Error: < 20 cases or controls]
244.3 Iodine hypc	NA	NA	NA	58475	9	58466	[Error: < 20 cases or controls]
602.3 Dysplasia o	NA	NA	NA	72989	NA	NA	[Error: non-varying phenotype or genotype]
939.1 Contact an	NA	NA	NA	62310	16	62294	[Error: < 20 cases or controls]
974 Poisoning b	NA	NA	NA	68616	19	68597	[Error: < 20 cases or controls]
272.14 Hyperchyl	NA	NA	NA	54920	8	54912	[Error: < 20 cases or controls]
277.1 Disorders o	NA	NA	NA	71782	19	71763	[Error: < 20 cases or controls]
716.3 Kaschin-Ber	NA	NA	NA	64771	4	64767	[Error: < 20 cases or controls]
289.1 Myelofibro	NA	NA	NA	65865	7	65858	[Error: < 20 cases or controls]
271.9 Other disor	NA	NA	NA	73047	12	73035	[Error: < 20 cases or controls]
957 Injury to ot	NA	NA	NA	73123	5	73118	[Error: < 20 cases or controls]
601 Inflammato	NA	NA	NA	72993	4	72989	[Error: < 20 cases or controls]
608 Other disor	NA	NA	NA	72973	3	72970	[Error: < 20 cases or controls]
750.13 Congenital	NA	NA	NA	71771	11	71760	[Error: < 20 cases or controls]
216.1 Screening f	NA	NA	NA	65886	NA	NA	[Error: non-varying phenotype or genotype]
323.2 Acute (tran	NA	NA	NA	72687	17	72670	[Error: < 20 cases or controls]
602 Other disor	NA	NA	NA	72990	1	72989	[Error: < 20 cases or controls]
696.2 Parapsorias	NA	NA	NA	64435	11	64424	[Error: < 20 cases or controls]
737.2 Lordosis (ac	NA	NA	NA	67179	16	67163	[Error: < 20 cases or controls]
117.3 Blastomyco	NA	NA	NA	66370	7	66363	[Error: < 20 cases or controls]
459.7 Blood vess	NA	NA	NA	70766	1	70765	[Error: < 20 cases or controls]
603 Other disor	NA	NA	NA	72973	3	72970	[Error: < 20 cases or controls]
300.2 Generalize	NA	NA	NA	48792	NA	NA	[Error: non-varying phenotype or genotype]
601.12 Chronic prc	NA	NA	NA	72989	NA	NA	[Error: non-varying phenotype or genotype]
564.9 Personal hi	NA	NA	NA	60625	4	60621	[Error: < 20 cases or controls]
604.3 Peyronie's	NA	NA	NA	72970	NA	NA	[Error: non-varying phenotype or genotype]
283.1 Autoimmun	NA	NA	NA	66681	12	66669	[Error: < 20 cases or controls]
736.5 Acquired d	NA	NA	NA	67171	8	67163	[Error: < 20 cases or controls]



750.15 Congenital NA	NA	NA	NA	71766	6	71760	[Error: < 20 cases or controls]
753.1 Congenital NA	NA	NA	NA	72428	9	72419	[Error: < 20 cases or controls]
716.2 Unspecific NA	NA	NA	NA	64781	14	64767	[Error: < 20 cases or controls]
442.2 Aneurysm c NA	NA	NA	NA	69425	7	69418	[Error: < 20 cases or controls]
480.2 Viral pneun NA	NA	NA	NA	62896	17	62879	[Error: < 20 cases or controls]
973 Poisoning b NA	NA	NA	NA	68604	7	68597	[Error: < 20 cases or controls]
656.7 Conditions NA	NA	NA	NA	73015	2	73013	[Error: < 20 cases or controls]
588.2 Secondary l NA	NA	NA	NA	68591	19	68572	[Error: < 20 cases or controls]
530.7 Gastroesop NA	NA	NA	NA	58058	14	58044	[Error: < 20 cases or controls]
656.3 Endocrine ε NA	NA	NA	NA	73016	3	73013	[Error: < 20 cases or controls]
755.3 Congenital NA	NA	NA	NA	72080	7	72073	[Error: < 20 cases or controls]
270.35 Macroglobi NA	NA	NA	NA	71789	14	71775	[Error: < 20 cases or controls]
796 Elevated pr NA	NA	NA	NA	72992	3	72989	[Error: < 20 cases or controls]
260.21 Kwashiorkc NA	NA	NA	NA	62004	8	61996	[Error: < 20 cases or controls]
569.1 Toxic gastrc NA	NA	NA	NA	67567	6	67561	[Error: < 20 cases or controls]
270.12 Phenylketo NA	NA	NA	NA	71788	13	71775	[Error: < 20 cases or controls]
755.4 Congenital NA	NA	NA	NA	72088	15	72073	[Error: < 20 cases or controls]
145.5 Cancer of tl NA	NA	NA	NA	72490	4	72486	[Error: < 20 cases or controls]
452.8 Postphlebit NA	NA	NA	NA	65740	17	65723	[Error: < 20 cases or controls]
706.3 Seborrhea NA	NA	NA	NA	66047	4	66043	[Error: < 20 cases or controls]
601.11 Acute prost NA	NA	NA	NA	72990	1	72989	[Error: < 20 cases or controls]
609.1 Infertility, n NA	NA	NA	NA	72974	4	72970	[Error: < 20 cases or controls]
81.12 Chronic gra NA	NA	NA	NA	72426	7	72419	[Error: < 20 cases or controls]
736.4 Genu valgu NA	NA	NA	NA	67182	19	67163	[Error: < 20 cases or controls]
686.5 Pyoderma NA	NA	NA	NA	65824	16	65808	[Error: < 20 cases or controls]
609.11 Azoosperm NA	NA	NA	NA	72970 NA	NA		[Error: non-varying phenotype or genotype]
117.2 Coccidioido NA	NA	NA	NA	66365	2	66363	[Error: < 20 cases or controls]
149.3 Cancer of h NA	NA	NA	NA	72491	5	72486	[Error: < 20 cases or controls]
537.1 Lesions of s NA	NA	NA	NA	68098	10	68088	[Error: < 20 cases or controls]
790.9 Abnormal a NA	NA	NA	NA	68191	2	68189	[Error: < 20 cases or controls]
500.2 Pneumocor NA	NA	NA	NA	68233	5	68228	[Error: < 20 cases or controls]
8.51 Intestinal e NA	NA	NA	NA	71942	1	71941	[Error: < 20 cases or controls]
480.12 Pseudomor NA	NA	NA	NA	62894	15	62879	[Error: < 20 cases or controls]

446.7 Takayasu's NA	NA	NA	NA	69426	8	69418 [Error: < 20 cases or controls]
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**Supplemental Table E3**

phecode	description	lower	upper	OR	p	n_total	n_cases	n_controls	note
416	Cardiomegaly	1.885007	3.035259	2.376228	9.98E-13	828	116	712	
428	Congestive	1.676587	2.531261	2.049133	8.21E-12	776	187	589	
428.1	Congestive	1.709896	2.680277	2.130568	3.87E-11	744	155	589	
428.3	Heart failure	1.85174	3.124922	2.389118	6.07E-11	684	95	589	
496	Chronic airway disease	1.701271	2.754866	2.151622	4.10E-10	868	86	782	
415	Pulmonary	1.828101	3.235962	2.417849	1.23E-09	786	74	712	
415.2	Chronic pulmonary	2.00752	3.906619	2.784652	1.34E-09	761	49	712	
428.2	Heart failure	1.783624	3.262886	2.391905	1.42E-08	650	61	589	
496.1	Emphysema	1.757221	3.561487	2.473789	3.73E-07	807	25	782	
415.21	Primary pulmonary	3.141553	13.00048	6.009536	4.95E-07	724	12	712	
278.11	Morbid obesity	1.514978	2.620889	1.987077	7.51E-07	795	55	740	
509.1	Respiratory	1.691638	3.499453	2.404644	1.35E-06	781	16	765	
496.2	Chronic bronchitis	1.664407	3.334922	2.331823	1.38E-06	812	30	782	
278	Overweight	1.304308	1.96056	1.596977	6.19E-06	892	152	740	
425.2	Secondary/obesity	1.394468	2.394843	1.824558	1.12E-05	828	67	761	
278.1	Obesity	1.298778	1.990214	1.606261	1.22E-05	870	130	740	
507	Pleurisy; pleuritis	1.384838	2.388633	1.819463	1.30E-05	809	44	765	
745	Pain in joints	0.516118	0.77965	0.637819	1.92E-05	882	290	592	
496.21	Obstructive pulmonary	1.525219	3.259955	2.223889	2.42E-05	802	20	782	
286.2	Encounter for hypertension	1.251841	1.864474	1.526417	2.93E-05	858	157	701	
458	Hypotension	1.374847	2.52911	1.874938	3.93E-05	889	31	858	
509	Respiratory	1.370102	2.521211	1.863403	4.59E-05	794	29	765	
426.9	Cardiac pacemaker	1.341769	2.331202	1.760218	5.65E-05	466	117	349	
428.4	Heart failure	1.420694	2.848937	1.989183	7.37E-05	620	31	589	
480	Pneumonia	1.313978	2.324713	1.75935	8.10E-05	824	35	789	
585	Renal failure	1.264847	2.050253	1.615597	8.45E-05	870	66	804	
510	Other disease	1.253926	1.999712	1.587257	9.03E-05	928	74	854	
425.1	Primary/interventive	1.221076	1.852626	1.503317	0.000115	894	133	761	
425	Cardiomyopathy	1.2017	1.807011	1.473025	0.000182	906	145	761	
426.92	Cardiac defibrillator	1.350656	2.626783	1.878145	0.00019	416	67	349	
585.1	Acute renal	1.307009	2.532541	1.840012	0.000219	827	23	804	

502 Postinflamr	1.337658	2.740216	1.928608	0.000244	789	24	765
427.21 Atrial fibrill	1.196539	1.791895	1.457562	0.000248	620	271	349
443 Peripheral \	1.238685	2.069607	1.606938	0.00025	808	63	745
427.2 Atrial fibrill	1.188601	1.776843	1.446698	0.000309	625	276	349
394 Rheumatic	1.282144	2.39358	1.762096	0.000317	706	36	670
394.7 Disease of t	1.340653	2.864712	1.9729	0.000352	689	19	670
512.7 Shortness c	1.161872	1.683329	1.39293	0.000443	692	295	397
272.11 Hyperchole	0.444047	0.789981	0.598397	0.000475	450	194	256
276.1 Electrolyte	1.194971	2.001765	1.55588	0.000679	865	59	806
276.13 Hyperpotas	1.338872	3.337879	2.15359	0.000702	819	13	806
289.8 Polycyther	1.314373	3.368466	2.151654	0.000963	851	11	840
426.91 Cardiac pac	1.237062	2.399462	1.716803	0.001293	419	70	349
702 Degenerati	0.469679	0.825735	0.629185	0.001295	855	129	726
512.9 Other dyspi	1.155707	1.815146	1.445791	0.001302	540	143	397
272 Disorders o	0.62547	0.8926	0.748292	0.001343	888	632	256
272.1 Hyperlipide	0.62547	0.8926	0.748292	0.001343	888	632	256
318 Tobacco us	1.135097	1.722282	1.400833	0.001426	894	121	773
327.3 Sleep apne:	1.13062	1.710185	1.39145	0.001659	824	148	676
272.13 Mixed hype	0.550027	0.866089	0.6954	0.001668	545	289	256
208 Benign neo	0.541411	0.864733	0.689596	0.001864	903	181	722
513 Respiratory	1.203518	2.630496	1.818275	0.002156	924	19	905
465.2 Acute phar	0.182354	0.666578	0.362131	0.002189	734	32	702
504 Other alvec	1.214056	2.920115	1.931816	0.00232	779	14	765
458.9 Hypotensio	1.185712	2.546879	1.777008	0.002478	877	19	858
514 Abnormal f	1.162229	2.376468	1.702489	0.002846	911	22	889
317.1 Alcoholism	1.192251	2.855229	1.893761	0.002848	785	12	773
443.9 Peripheral \	1.137234	1.958489	1.504294	0.002869	803	58	745
562 Diverticulos	0.500303	0.862067	0.663628	0.003152	840	133	707
513.4 Hyperventil	1.193425	3.052453	1.968105	0.003339	915	10	905
327.32 Obstructive	1.108225	1.731113	1.387939	0.003733	795	119	676
562.1 Diverticulos	0.503805	0.869089	0.668746	0.003838	838	131	707
216 Benign neo	0.338049	0.799095	0.530005	0.003895	863	60	803
427.8 Sinoatrial n	1.169701	2.338913	1.651134	0.004285	414	65	349

276 Disorders o	1.104499	1.779355	1.410114	0.004364	889	83	806
771.1 Swelling of	1.124174	2.172321	1.594175	0.004637	895	28	867
452 Other veno	1.121154	2.098013	1.55799	0.004716	739	32	707
465 Acute uppe	0.463522	0.867725	0.643127	0.005842	801	99	702
726 Peripheral c	0.519593	0.890566	0.687581	0.006451	843	132	711
512 Other symp	1.070631	1.508655	1.266782	0.006753	849	452	397
702.2 Seborrheic	0.450882	0.869829	0.635254	0.006856	857	92	765
512.2 Painful resp	1.235479	4.04732	2.194003	0.007046	407	10	397
503 Pulmonary	1.09864	2.466828	1.690697	0.008956	784	19	765
440.9 Atheroscler	1.079859	2.515714	1.707379	0.010239	759	14	745
386.9 Dizziness ar	0.478768	0.898377	0.664486	0.010984	870	98	772
573.9 Abnormal s	1.070981	2.911072	1.854445	0.011285	800	10	790
420 Carditis	1.085013	2.707295	1.768229	0.011452	777	16	761
426.3 Bundle brai	1.102029	2.221048	1.567047	0.011557	410	61	349
395 Heart valve	1.052677	1.552917	1.280909	0.01212	835	165	670
189.1 Cancer of k	1.060245	2.51876	1.701894	0.013157	926	15	911
870 Open woun	0.100443	0.719256	0.288068	0.013487	875	14	861
401.22 Hypertensi	1.116643	2.992838	1.834898	0.013881	252	19	233
605 Erectile dys	0.470514	0.908628	0.663515	0.01472	723	88	635
199 Neoplasm c	0.33566	0.870854	0.554366	0.01563	886	48	838
300 Anxiety, ph	1.049581	1.757908	1.369136	0.015803	782	71	711
420.2 Pericarditis	1.050585	2.753167	1.763113	0.016592	775	14	761
395.1 Nonrheum	1.044051	1.699281	1.339637	0.017687	759	89	670
473.4 Voice distu	0.236232	0.845287	0.465813	0.019181	720	28	692
427 Cardiac dys	1.037545	1.467423	1.229497	0.019223	846	497	349
250 Diabetes m	1.034122	1.503304	1.248813	0.01929	842	177	665
189 Cancer of u	1.025627	2.198345	1.550128	0.02153	934	23	911
782.3 Edema	1.031052	1.751698	1.359532	0.021716	890	61	829
427.1 Paroxysmal	1.044426	1.763409	1.353516	0.022835	483	134	349
798 Malaise anc	0.641671	0.963046	0.79106	0.023517	853	222	631
530.13 Barrett's es	0.143738	0.823716	0.3651	0.024322	690	17	673
250.2 Type 2 diab	1.025263	1.500071	1.242498	0.024567	836	171	665
426.32 Left bundle	1.057273	2.618533	1.675129	0.024731	382	33	349

317 Alcohol-rela	1.007152	2.263161	1.566351	0.025083	791	18	773
292.4 Altered me	1.009358	2.212163	1.548107	0.025722	866	20	846
508 Pulmonary	1.024322	1.66557	1.314137	0.026462	857	92	765
426.24 Atrioventric	1.052807	2.762184	1.713765	0.027376	381	32	349
425.12 Other hype	0.973773	2.603998	1.690327	0.02861	772	11	761
350.2 Abnormalit	0.997399	2.772889	1.740751	0.029477	898	15	883
569.2 Gastrointes	0.977628	2.527566	1.659176	0.030355	849	11	838
702.1 Actinic kera	0.498912	0.952445	0.69939	0.030392	852	87	765
440 Atheroscler	1.008875	1.818101	1.373349	0.032505	798	53	745
381 Otitis medi	0.350479	0.927638	0.586756	0.032572	883	42	841
427.12 Paroxysmal	1.019614	1.815713	1.357377	0.036723	447	98	349
274.1 Gout	1.001716	1.737371	1.336615	0.037221	913	58	855
427.22 Atrial flutte	1.016528	1.806574	1.355663	0.03727	465	116	349
300.1 Anxiety disc	1.000031	1.757484	1.341405	0.038751	770	59	711
761 Cervicalgia	0.509322	0.96838	0.713012	0.039413	907	86	821
444 Arterial em	0.952204	2.629204	1.671872	0.039619	756	11	745
433.6 Acute, but i	0.165363	0.901298	0.409755	0.040145	777	17	760
727 Other disor	0.423634	0.958523	0.652632	0.040965	766	55	711
604 Disorders o	0.201004	0.921789	0.454248	0.043503	653	18	635
426 Cardiac con	1.00701	1.566426	1.254047	0.043956	568	219	349
585.3 Chronic ren	0.984564	1.863487	1.378298	0.046054	847	43	804
418 Nonspecific	0.720975	0.996731	0.849091	0.047054	882	479	403
690 Erythematc	0.163212	0.92433	0.413417	0.047393	813	16	797
760 Back pain	0.630774	0.99007	0.796462	0.047757	860	174	686
367 Disorders o	0.421116	0.971687	0.655058	0.047938	914	53	861
257.1 Testicular h	0.432494	0.975066	0.664299	0.049269	876	57	819
257 Testicular d	0.432494	0.975066	0.664299	0.049269	876	57	819
459 Other disor	0.94308	2.370792	1.567694	0.050607	875	17	858
979 Adverse dri	0.974441	1.875711	1.378813	0.051839	880	41	839
244 Hypothyroi	0.979495	1.689513	1.303465	0.05488	892	62	830
689 Disorder of	0.218743	0.957963	0.482814	0.054926	907	20	887
41 Bacterial in	0.920396	2.5446	1.620521	0.055497	924	11	913
602 Other disor	0.117374	0.926234	0.364273	0.055601	677	11	666

291.8	Alteration c	0.908108	2.731782	1.682294	0.056061	856	10	846
452.2	Deep vein t	0.94144	2.088151	1.45944	0.056467	727	20	707
727.4	Ganglion ar	0.122653	0.935964	0.369963	0.056884	723	12	711
722	Interverteb	0.537546	0.993658	0.74172	0.056989	831	93	738
550	Abdominal	0.538746	0.995755	0.742438	0.057564	918	91	827
78	Viral warts	0.280026	0.978688	0.545775	0.059152	835	26	809
367.1	Myopia	0.355398	0.986418	0.612264	0.06068	898	37	861
274	Gout and o	0.972463	1.677777	1.293915	0.062062	918	63	855
565	Anal and re	0.375818	0.990556	0.629843	0.062774	879	41	838
172	Skin cancer	0.529297	1.001154	0.738913	0.063055	845	88	757
742	Derangeme	0.260154	0.986572	0.532587	0.065859	846	23	823
599.2	Retention c	0.241151	0.989493	0.51518	0.066845	772	20	752
427.7	Tachycardia	0.972791	1.818645	1.334061	0.067786	420	71	349
938.2	Chronic der	0.23174	0.995892	0.508217	0.070766	810	20	790
938	Dermatitis c	0.23174	0.995892	0.508217	0.070766	810	20	790
790.6	Other abno	0.379038	1.006204	0.637141	0.071506	879	39	840
706.2	Sebaceous	0.312332	1.004093	0.583606	0.072193	867	28	839
586	Other disor	0.950344	1.845272	1.349723	0.073594	849	45	804
457.3	Encounter f	0.948551	1.787549	1.330515	0.073693	746	39	707
189.11	Malignant r	0.883852	2.436482	1.566644	0.073896	924	13	911
395.2	Nonrheuma	0.960513	1.672962	1.281292	0.077994	738	68	670
796	Elevated pr	0.479933	1.019704	0.713417	0.079433	730	64	666
741.4	Joint effusio	0.215136	1.018202	0.497092	0.080212	841	18	823
497	Bronchitis	0.844853	2.837161	1.673113	0.081937	792	10	782
250.6	Polyneurop	0.921539	1.969722	1.391942	0.082251	691	26	665
173	Neoplasm c	0.52323	1.02072	0.743527	0.082666	833	76	757
296.2	Depression	0.95927	1.645706	1.267946	0.083256	789	78	711
854	Complicatio	0.93029	1.869305	1.355293	0.083997	896	33	863
333.1	Essential tr	0.128184	1.03784	0.400608	0.087151	834	11	823
561	Symptoms i	0.120372	1.040307	0.388502	0.088948	717	10	707
604.3	Peyronie's c	0.129575	1.043877	0.403262	0.091665	645	10	635
690.1	Seborrheic	0.185996	1.04865	0.473363	0.093171	812	15	797
368.9	Subjective \	0.865821	2.349186	1.515011	0.093783	871	12	859

440.2 Atheroscler	0.912072	1.914849	1.363017	0.096189	777	32	745
459.9 Circulatory	0.82666	2.723405	1.628967	0.098262	868	10	858
472 Chronic pha	0.320213	1.046853	0.606567	0.099473	718	26	692
415.1 Acute pulm	0.877245	2.985675	1.662445	0.101529	731	19	712
558 Noninfectic	0.864301	2.22182	1.468742	0.101829	721	14	707
571 Chronic live	0.925369	1.745952	1.298533	0.102649	834	44	790
473 Diseases of	0.379643	1.052396	0.654827	0.105192	727	35	692
370 Keratitis	0.184349	1.073358	0.481784	0.106338	795	13	782
291 Other speci	0.842079	2.470699	1.539203	0.107217	858	12	846
850 Hemorrhag	0.827526	2.492832	1.550181	0.107347	874	11	863
366.2 Senile catar	0.596224	1.038785	0.79615	0.10756	896	112	784
457 Encounter f	0.925051	1.712202	1.28403	0.107665	751	44	707
366 Cataract	0.611535	1.0393	0.805626	0.110129	906	122	784
706 Diseases of	0.44081	1.054581	0.700638	0.111209	884	45	839
276.14 Hypopotas	0.908307	1.93064	1.355034	0.111387	843	37	806
722.6 Degenerati	0.517398	1.047494	0.751227	0.112783	806	68	738
286 Coagulator	0.895585	1.940401	1.356368	0.115269	733	32	701
389.1 Sensorineu	0.548876	1.050201	0.771725	0.118008	864	79	785
414.2 ASCVD	0.307236	1.089023	0.602585	0.119487	401	27	374
571.5 Other chroi	0.912702	1.736602	1.287239	0.119538	833	43	790
454 Varicose ve	0.825498	2.257822	1.468869	0.119788	719	12	707
696.42 Psoriatic ar	0.132864	1.119939	0.42749	0.122804	784	11	773
172.2 Other non-r	0.542689	1.056465	0.769927	0.12441	833	76	757
348.9 Other cond	0.848845	2.208617	1.442624	0.125909	840	17	823
396 Abnormal h	0.45318	1.0733	0.714443	0.127393	720	50	670
250.22 Type 2 diab	0.838391	2.168586	1.430837	0.128051	680	15	665
374 Other disor	0.441295	1.072565	0.707778	0.128262	823	41	782
389 Hearing los	0.61088	1.050783	0.810616	0.129316	898	113	785
871 Open woun	0.367588	1.085459	0.656528	0.130355	892	31	861
371.3 Inflammatic	0.290515	1.10651	0.60203	0.138509	802	20	782
726.4 Calcaneal sp	0.188449	1.126141	0.505325	0.138834	724	13	711
381.2 Eustachian	0.323261	1.102578	0.627668	0.140023	865	24	841
427.4 Cardiac arr	0.853882	2.540043	1.50094	0.140102	370	21	349



290 Delirium de	0.842452	2.260177	1.442014	0.141359	864	18	846
401.2 Hypertensiv	0.92711	1.691123	1.250671	0.142293	344	111	233
764 Sciatica	0.232257	1.140878	0.551058	0.146584	848	16	832
830 Dislocation	0.41755	1.095876	0.700272	0.15002	903	37	866
841 Sprains and	0.292396	1.124906	0.607101	0.150252	832	21	811
596.5 Functional	0.150031	1.188544	0.464888	0.150934	904	10	894
350 Abnormal r	0.86728	1.893756	1.326588	0.151634	911	28	883
296 Mood disor	0.922725	1.561741	1.210941	0.152325	799	88	711
401 Hypertensiv	0.950093	1.442857	1.164451	0.152575	887	654	233
289.4 Lymphader	0.230334	1.158941	0.552017	0.152761	859	16	843
599.5 Frequency	0.571103	1.071988	0.795168	0.154125	831	79	752
766 Neuralgia, r	0.198882	1.169516	0.523792	0.156972	845	13	832
292 Neurologic	0.9037	1.63943	1.237713	0.157662	902	56	846
244.4 Hypothyroi	0.902681	1.63141	1.234551	0.160161	886	56	830
371 Inflammatic	0.503761	1.091085	0.758829	0.162229	835	53	782
840 Sprains and	0.532455	1.088236	0.77753	0.168397	873	62	811
338.2 Chronic pai	0.813109	2.066677	1.37474	0.171789	886	17	869
415.11 Pulmonary	0.791531	2.914459	1.569263	0.172518	729	17	712
479 Other uppe	0.435953	1.118318	0.723093	0.179228	729	37	692
250.24 Type 2 diab	0.872132	1.73954	1.263217	0.179769	704	39	665
512.1 Wheezing	0.752304	2.94737	1.575583	0.180888	408	11	397
701.2 Scar conditi	0.15775	1.226516	0.490802	0.18089	854	10	844
401.1 Essential hy	0.940296	1.430394	1.153454	0.181531	873	640	233
414 Other form	0.901441	1.598624	1.212643	0.18269	445	71	374
742.9 Other derai	0.28554	1.170443	0.617641	0.184666	841	18	823
803 Fracture of	0.78972	2.188529	1.402033	0.186165	880	14	866
427.5 Arrhythmia	0.9049	1.63223	1.218233	0.187946	455	106	349
600 Hyperplasia	0.667199	1.073268	0.853071	0.189623	820	154	666
411.2 Myocardial	0.922646	1.457668	1.163539	0.190438	503	129	374
464 Acute sinus	0.559462	1.096769	0.799017	0.191851	770	68	702
411.8 Other chroi	0.927699	1.425968	1.151753	0.194632	548	174	374
765 Cervical rac	0.353021	1.161168	0.674408	0.198161	856	24	832
721.1 Spondylosis	0.597864	1.093126	0.821018	0.200574	822	84	738

411.3 Angina pect	0.628583	1.089327	0.836746	0.203317	505	131	374
564 Functional c	0.753029	2.20863	1.401462	0.205215	718	11	707
601 Inflammato	0.417712	1.148018	0.720538	0.206126	698	32	666
565.1 Anal and re	0.311697	1.188494	0.647519	0.207829	858	20	838
426.7 Abnormal e	0.50928	1.137135	0.773368	0.208363	412	63	349
433.8 Late effects	0.265245	1.227057	0.609532	0.209524	776	16	760
440.22 Atheroscler	0.80529	1.959088	1.321197	0.211398	767	22	745
772.3 Muscle wea	0.807876	1.954756	1.320476	0.211639	892	20	872
704 Diseases of	0.170757	1.270143	0.521527	0.211889	887	10	877
495 Asthma	0.846476	1.819759	1.271666	0.213517	822	40	782
53 Herpes zost	0.22658	1.272901	0.578658	0.219349	822	13	809
375.1 Dry eyes	0.479937	1.140406	0.762274	0.220383	845	43	802
426.31 Right bundl	0.803995	2.267157	1.378465	0.220695	375	26	349
783 Fever of un	0.855202	1.702217	1.235674	0.22488	907	40	867
596 Other disor	0.260821	1.250283	0.61469	0.228396	909	15	894
426.2 Atrioventric	0.843095	1.953527	1.292451	0.228682	397	48	349
727.1 Synovitis ar	0.310304	1.214846	0.656432	0.230488	731	20	711
571.51 Cirrhosis of	0.710296	2.265681	1.400537	0.237852	800	10	790
686.1 Carbuncle a	0.189978	1.302443	0.553936	0.239654	833	11	822
835 Internal dei	0.384319	1.193448	0.711218	0.242722	892	26	866
394.1 Mitral valve	0.719994	2.481141	1.422353	0.246332	681	11	670
840.2 Rotator cuff	0.387886	1.194702	0.716175	0.247889	836	25	811
433 Cerebrovas	0.665968	1.098434	0.863428	0.249824	891	131	760
389.4 Tinnitus	0.412131	1.187636	0.731641	0.250577	815	30	785
367.2 Astigmatism	0.203829	1.313224	0.575706	0.251434	872	11	861
374.6 Dermatoc	0.427428	1.184644	0.741362	0.252129	811	29	782
721 Spondylosis	0.621792	1.113532	0.844324	0.25521	826	88	738
506 Empyema a	0.707216	2.356369	1.406312	0.256906	776	11	765
447 Other disor	0.820254	1.738292	1.237357	0.26072	776	31	745
601.1 Prostatitis	0.396488	1.205539	0.726529	0.263197	692	26	666
110.11 Dermatoph	0.496165	1.171963	0.784873	0.271342	874	43	831
728.7 Fasciitis	0.75925	1.989883	1.304189	0.27247	727	16	711
599 Other symp	0.681848	1.103018	0.87554	0.278409	883	131	752

701 Other hype	0.48077	1.181733	0.778868	0.278625	884	40	844
594.3 Calculus of	0.333914	1.256954	0.690362	0.279577	888	20	868
475.9 Postnasal d	0.209377	1.353447	0.597689	0.285211	702	10	692
695.3 Rosacea	0.214055	1.377675	0.602216	0.293792	808	11	797
550.2 Diaphragm:	0.49554	1.189586	0.791563	0.297081	867	40	827
804 Fracture of	0.747235	1.994628	1.29233	0.300426	882	16	866
740.11 Osteoarthr	0.617013	1.135921	0.851222	0.30106	791	82	709
722.1 Displaceme	0.471573	1.199889	0.780442	0.301219	774	36	738
278.4 Abnormal v	0.677002	2.332276	1.376218	0.304575	753	13	740
550.1 Inguinal hei	0.426679	1.232281	0.756604	0.305495	855	28	827
608 Other disor	0.377774	1.256519	0.73042	0.309559	656	21	635
573.6 Nonspecific	0.375973	1.266708	0.727971	0.311739	815	25	790
241.2 Nontoxic m	0.689559	2.135026	1.327105	0.316924	842	12	830
172.21 Basal cell c	0.367507	1.277859	0.727313	0.321603	778	21	757
687.4 Disturbanc	0.5392	1.180404	0.820253	0.322913	826	49	777
714 Rheumatoid	0.774576	1.815037	1.236624	0.323935	844	26	818
805 Fracture of	0.23452	1.396234	0.6376	0.331632	877	11	866
386 Vertiginous	0.364256	1.297791	0.728337	0.33175	793	21	772
261.2 Vitamin B-c	0.713525	2.029374	1.29117	0.332147	864	17	847
871.2 Open woun	0.235299	1.413412	0.638505	0.337227	872	11	861
743 Osteoporos	0.574806	1.174814	0.839735	0.339081	923	60	863
381.1 Otitis medi	0.344163	1.308655	0.721851	0.345175	859	18	841
380.4 Impacted c	0.534337	1.199334	0.823593	0.348192	890	44	846
726.1 Enthesopat	0.524198	1.207751	0.821268	0.356538	754	43	711
743.9 Osteopenia	0.459746	1.255097	0.789805	0.359139	894	31	863
288 Diseases of	0.705673	2.093714	1.283279	0.365368	861	18	843
442.11 Abdominal	0.718107	1.942517	1.249841	0.375301	765	20	745
110 Dermatoph	0.568711	1.197575	0.845343	0.377793	885	54	831
427.9 Palpitations	0.691984	1.146983	0.894318	0.384809	547	198	349
871.1 Open woun	0.269406	1.432519	0.686017	0.386028	873	12	861
110.1 Dermatoph	0.56776	1.203492	0.847107	0.387976	884	53	831
418.1 Precordial p	0.416811	1.29737	0.779626	0.393384	428	25	403
198 Secondary i	0.718991	1.841898	1.22113	0.400065	858	20	838

593 Hematuria	0.811421	1.555984	1.148678	0.401904	865	49	816
573.7 Abnormal r	0.545188	1.22522	0.840782	0.403433	840	50	790
740.1 Osteoarthri	0.655044	1.162206	0.885572	0.405872	799	90	709
743.1 Osteoporos	0.450708	1.295314	0.801097	0.413415	891	28	863
586.2 Cyst of kidn	0.685175	2.017448	1.24932	0.415954	822	18	804
427.6 Premature	0.557603	1.252387	0.847743	0.421604	409	60	349
269 Proteinuria	0.664263	2.001981	1.24829	0.425427	925	14	911
603 Other disor	0.267442	1.483137	0.701996	0.426156	646	11	635
250.1 Type 1 diab	0.471893	1.295236	0.817147	0.437479	695	30	665
361 Retinal deta	0.31437	1.430419	0.740434	0.442717	845	13	832
426.21 First degree	0.257791	1.617448	0.702666	0.449793	361	12	349
714.1 Rheumatoi	0.673083	1.923772	1.219667	0.452963	834	16	818
261 Vitamin def	0.607338	1.212181	0.876302	0.454743	910	63	847
569 Other disor	0.778484	1.580717	1.142576	0.458087	877	39	838
560 Intestinal o	0.245265	1.553693	0.699271	0.458803	717	10	707
425.11 Hypertroph	0.342737	1.447522	0.75939	0.460265	778	17	761
340 Migraine	0.371761	1.401572	0.777252	0.462692	916	18	898
427.11 Paroxysmal	0.753841	1.757112	1.168282	0.468903	395	46	349
476 Allergic rhir	0.682604	1.171415	0.905838	0.472478	787	95	692
371.2 Conjunctivi	0.487962	1.316737	0.835565	0.479511	809	27	782
809 Fracture of	0.260545	1.557832	0.721254	0.482513	876	10	866
246 Other disor	0.594479	2.092379	1.247114	0.485292	841	11	830
573 Other disor	0.408499	1.385862	0.802565	0.485502	811	21	790
743.11 Osteoporos	0.381161	1.420201	0.789971	0.486403	881	18	863
579 Other symp	0.437513	1.353721	0.817298	0.487415	819	23	796
261.4 Vitamin D c	0.589093	1.243505	0.8776	0.494345	900	53	847
772.2 Spasm of m	0.34957	1.462571	0.780733	0.503062	887	15	872
411.1 Unstable ar	0.837508	1.400297	1.090771	0.504684	500	126	374
379 Other disor	0.62313	1.224072	0.891408	0.504707	862	60	802
519.9 Symptoms i	0.699969	1.743282	1.164445	0.509886	913	22	891
519 Other disea	0.699969	1.743282	1.164445	0.509886	913	22	891
362.3 Other nond	0.633945	1.928371	1.202728	0.510183	836	13	823
411.4 Coronary at	0.892044	1.259406	1.058516	0.516486	825	451	374

771 Musculoske	0.633284	1.915903	1.196721	0.521233	882	15	867
371.21 Allergic con	0.428701	1.401848	0.82286	0.521451	801	19	782
521.1 Dental carie	0.315523	1.522502	0.772051	0.527075	909	13	896
740.9 Osteoarthr	0.711786	1.172045	0.923071	0.528622	828	119	709
601.11 Acute prost	0.285814	1.565052	0.759171	0.532256	676	10	666
274.11 Gouty arthr	0.676258	1.78392	1.16428	0.536348	876	21	855
287.3 Thrombocy	0.599634	2.063202	1.213031	0.539026	716	15	701
287 Purpura an	0.599634	2.063202	1.213031	0.539026	716	15	701
591 Urinary trac	0.593924	1.264325	0.889447	0.543993	864	48	816
279.1 Immunity d	0.740187	1.588629	1.122258	0.552419	925	35	890
292.1 Aphasia/sp	0.298762	1.644669	0.77048	0.553077	857	11	846
747 Cardiac anc	0.581951	1.275025	0.888174	0.554137	922	45	877
747.1 Cardiac con	0.581951	1.275025	0.888174	0.554137	922	45	877
381.11 Suppurativ	0.366441	1.482566	0.807968	0.554451	855	14	841
535 Gastritis an	0.66185	1.800313	1.161582	0.555478	894	20	874
530.14 Reflux esop	0.343886	1.514534	0.79699	0.55697	687	14	673
411 Ischemic He	0.889554	1.245293	1.050944	0.56124	873	499	374
939 Atopic/cont	0.514135	1.345532	0.866845	0.562548	821	31	790
594 Urinary calc	0.615071	1.255645	0.900326	0.564768	924	56	868
286.7 Other and t	0.643849	1.850619	1.165887	0.565391	722	21	701
242 Thyrotoxicc	0.559533	2.108859	1.212649	0.567105	841	11	830
302 Sexual and	0.408246	1.487374	0.828511	0.57133	730	19	711
594.1 Calculus of	0.593395	1.276856	0.895388	0.57286	916	48	868
333 Extrapryram	0.441962	1.44029	0.843109	0.57321	844	21	823
747.12 Valvular he	0.591857	1.958824	1.184701	0.574838	890	13	877
599.4 Urinary inc	0.424554	1.462315	0.8385	0.579076	770	18	752
743.13 Other speci	0.331655	1.571498	0.80317	0.588021	876	13	863
530 Diseases of	0.769207	1.15127	0.946721	0.593721	867	194	673
512.8 Cough	0.833731	1.361474	1.068381	0.595119	571	174	397
241 Nontoxic ne	0.617242	1.85023	1.154732	0.605764	846	16	830
578.8 Hemorrhag	0.487902	1.39223	0.870971	0.60792	821	25	796
365.1 Open-angle	0.486692	1.406385	0.870199	0.608653	856	24	832
550.4 Umbilical h	0.394136	1.517916	0.837396	0.609103	842	15	827

521 Diseases of	0.359392	1.547329	0.82417	0.60916	910	14	896
172.22 Squamous c	0.395719	1.525167	0.837142	0.609539	773	16	757
382 Otagia	0.310588	1.662767	0.801068	0.610145	851	10	841
593.1 Gross hema	0.63125	1.818787	1.146967	0.6102	833	17	816
599.9 Other abno	0.547378	1.340754	0.891546	0.616327	783	31	752
228 Hemangion	0.564313	1.990939	1.170608	0.619319	915	11	904
379.2 Disorders o	0.623884	1.280259	0.915206	0.629179	853	51	802
250.3 Insulin pum	0.625426	1.782686	1.136029	0.631125	683	18	665
447.7 Aortic ectas	0.660498	1.693257	1.121194	0.631656	768	23	745
696.4 Psoriasis	0.49578	1.417321	0.879326	0.632738	802	29	773
696 Psoriasis an	0.49578	1.417321	0.879326	0.632738	802	29	773
304 Adjustment	0.450268	1.511117	0.866499	0.64417	733	22	711
362.9 Retinal ede	0.547926	2.008356	1.161475	0.647126	833	10	823
530.11 GERD	0.761986	1.17107	0.951454	0.649133	841	168	673
362 Other retin	0.625409	1.290058	0.920395	0.653494	872	49	823
574.1 Cholelithias	0.652675	1.713168	1.115273	0.656562	913	22	891
279 Disorders ir	0.717788	1.548263	1.090874	0.656595	926	36	890
483 Acute bron	0.736667	1.519313	1.08474	0.65816	836	47	789
293.1 Swelling, m	0.623969	1.77557	1.123748	0.660542	918	19	899
296.1 Bipolar	0.302416	1.796314	0.817158	0.660887	722	11	711
250.4 Abnormal g	0.67411	1.247911	0.934038	0.663786	740	75	665
276.5 Hypovolem	0.646979	1.774997	1.115159	0.672031	833	27	806
575 Other biliar	0.56561	1.892322	1.138146	0.672134	904	13	891
751 Genitourina	0.519679	2.011018	1.145496	0.693203	923	11	912
585.33 Chronic Kid	0.473373	1.498212	0.88951	0.693359	827	23	804
687.1 Rash and of	0.581322	1.356865	0.920706	0.702999	813	36	777
250.42 Other abno	0.573834	1.362778	0.919329	0.70379	700	35	665
741 Symptoms	0.670907	1.267287	0.940444	0.705066	888	65	823
429.3 Symptoms	0.43322	1.592395	0.883181	0.710671	609	20	589
530.1 Esophagitis	0.777515	1.175356	0.962139	0.71357	854	181	673
401.21 Hypertensin	0.745051	1.514175	1.067978	0.714946	326	93	233
740 Osteoarthro	0.78043	1.174192	0.963149	0.717957	889	180	709
290.1 Dementias	0.52154	2.105032	1.136739	0.719076	858	12	846

327.7 Sleep relate	0.401791	1.614122	0.880471	0.723224	691	15	676
578.2 Blood in stc	0.657576	1.614279	1.082695	0.727761	821	25	796
681.5 Cellulitis an	0.584014	1.788317	1.100676	0.735813	837	15	822
681 Superficial c	0.641531	1.308315	0.940506	0.735845	871	49	822
250.41 Impaired fa	0.595023	1.360051	0.9313	0.736483	706	41	665
785 Abdominal	0.775377	1.184491	0.96443	0.737072	884	167	717
296.22 Major depr	0.48297	1.568604	0.911813	0.75876	733	22	711
470 Septal Devi	0.618359	1.349403	0.941365	0.761677	732	40	692
165.1 Cancer of b	0.332135	1.766935	0.877364	0.763437	935	10	925
716.9 Arthropath	0.576308	1.405502	0.933586	0.763471	867	35	832
763 Thoracic or	0.496522	1.499948	0.919001	0.766196	853	21	832
475 Chronic sinu	0.649732	1.317635	0.947968	0.767028	741	49	692
595 Hydroneph	0.420725	1.622125	0.902903	0.769811	883	15	868
386.2 Peripheral c	0.379219	1.753231	0.891844	0.772292	784	12	772
198.1 Secondary i	0.533604	1.842364	1.09365	0.77661	851	13	838
327.71 Restless leg	0.483933	2.000304	1.108086	0.776783	687	11	676
716 Other arthr	0.585176	1.401572	0.938585	0.776886	868	36	832
165 Cancer with	0.355939	1.753905	0.892251	0.783188	936	11	925
227 Benign neo	0.373223	1.747116	0.896992	0.784457	925	11	914
528 Diseases of	0.548637	1.823064	1.087041	0.785721	912	15	897
495.2 Asthma wit	0.358525	1.824768	0.899047	0.801504	795	13	782
593.2 Microscopic	0.556706	1.768829	1.076156	0.803185	831	15	816
720 Spinal stenc	0.689625	1.48922	1.046688	0.815725	775	37	738
380.1 Otitis exter	0.405071	1.679469	0.920131	0.820454	858	12	846
429.2 Abnormal f	0.666126	1.347919	0.960918	0.824353	662	73	589
427.41 Ventricular	0.512967	2.092668	1.081779	0.824887	364	15	349
735 Acquired fo	0.65301	1.555905	1.049216	0.828366	884	30	854
585.4 Chronic kid	0.398417	1.744194	0.921074	0.830305	817	13	804
751.21 Cystic kidne	0.46005	1.991399	1.083566	0.83033	922	10	912
751.2 Congenital	0.46005	1.991399	1.083566	0.83033	922	10	912
537 Other disor	0.50479	1.862482	1.071031	0.837498	887	13	874
726.3 Bursitis	0.436382	1.639315	0.933519	0.839175	724	13	711
275.5 Disorders o	0.535602	1.809504	1.06408	0.841907	908	15	893

185	Cancer of p	0.653766	1.356991	0.963991	0.8439	718	52	666
338.1	Acute pain	0.623705	1.584559	1.047238	0.845813	895	26	869
433.31	Transient c	0.72285	1.412992	1.033647	0.846262	814	54	760
327	Sleep disor	0.755303	1.361823	1.029043	0.848659	757	81	676
429	Ill-defined c	0.719468	1.291255	0.97228	0.850207	698	109	589
369	Infection of	0.522464	1.530942	0.950218	0.852695	802	20	782
368	Visual distu	0.643066	1.372329	0.965344	0.855366	903	44	859
401.3	Other hype	0.505988	1.664139	0.947002	0.857215	261	28	233
695	Erythematc	0.494027	1.593116	0.948037	0.858921	816	19	797
345.3	Convulsion:	0.483993	1.925803	1.064785	0.85914	835	12	823
770	Myalgia and	0.634989	1.559777	1.039981	0.864391	911	30	881
531	Peptic ulcer	0.427089	1.702139	0.941578	0.865698	925	13	912
514.2	Solitary pul	0.516905	1.826944	1.054299	0.87028	905	16	889
433.21	Cerebral ar	0.62996	1.569713	1.038047	0.87282	788	28	760
327.4	Insomnia	0.651775	1.524712	1.033991	0.877396	713	37	676
442	Other aneu	0.676441	1.478223	1.030386	0.880704	787	42	745
574.12	Cholelithias	0.383768	1.824595	0.942112	0.881958	901	10	891
292.3	Memory lo:	0.554647	1.544027	0.963684	0.887695	873	27	846
365.11	Primary op	0.472444	1.972228	1.051279	0.89059	844	12	832
741.2	Stiffness of	0.461822	1.643076	0.956154	0.890685	838	15	823
172.11	Melanomas	0.531274	1.704591	1.038252	0.898092	771	14	757
727.6	Rupture of	0.518305	1.804984	1.038545	0.904961	724	13	711
916	Contusion	0.548506	1.541581	0.969042	0.905303	909	23	886
362.29	Macular de	0.423125	2.059693	1.048688	0.906596	833	10	823
272.12	Hyperglyce	0.526792	1.563736	0.968156	0.90677	275	19	256
362.2	Degenerati	0.58705	1.487547	0.972928	0.907945	851	28	823
532	Dysphagia	0.699597	1.41148	1.0208	0.908278	720	47	673
362.26	Macular pu	0.474373	1.661471	0.964592	0.910433	837	14	823
362.23	Cystoid ma	0.431079	1.746378	0.961089	0.91158	834	11	823
735.2	Acquired tc	0.469391	1.682461	0.964248	0.91178	869	15	854
578	Gastrointes	0.714232	1.383337	1.017786	0.916574	849	53	796
368.2	Diplopia an	0.445726	1.750921	0.964616	0.918293	872	13	859
244.1	Secondary l	0.48304	1.810409	1.034578	0.920205	843	13	830



696.41 Psoriasis vu	0.550802	1.690729	1.028521	0.921789	794	21	773
351 Other perip	0.631388	1.416648	0.97999	0.921952	878	37	841
747.11 Cardiac shu	0.610472	1.547651	1.022089	0.926612	903	26	877
302.1 Decreased l	0.507948	1.803307	1.029805	0.927744	727	16	711
433.3 Cerebral isc	0.717912	1.376554	1.01482	0.929318	819	59	760
599.3 Dysuria	0.550356	1.547956	0.977442	0.931237	773	21	752
536 Disorders o	0.522406	1.588234	0.976216	0.932706	893	19	874
536.8 Dyspepsia a	0.522406	1.588234	0.976216	0.932706	893	19	874
172.1 Melanomas	0.54834	1.544833	0.982001	0.944622	777	20	757
285 Other anen	0.555057	1.636316	1.019366	0.944718	909	20	889
427.3 Other speci	0.711787	1.414297	1.01158	0.947407	429	80	349
740.2 Osteoarthr	0.485818	1.663086	0.979601	0.947839	724	15	709
365 Glaucoma	0.638955	1.427806	0.986756	0.948156	868	36	832
788 Syncope an	0.787535	1.260374	1.005699	0.962132	915	122	793
741.3 Difficulty in	0.457512	1.852698	1.01536	0.966135	835	12	823
70 Viral hepati	0.416068	1.832788	0.98468	0.967716	820	11	809
70.3 Viral hepati	0.416068	1.832788	0.98468	0.967716	820	11	809
720.1 Spinal stenc	0.610929	1.522524	1.00878	0.97	765	27	738
433.2 Occlusion o	0.605127	1.498632	0.99137	0.970195	790	30	760
789 Nausea anc	0.647096	1.469433	1.007308	0.972252	907	38	869
455 Hemorrhoid	0.722364	1.342553	1.005421	0.972657	773	66	707
442.1 Aortic aneu	0.632033	1.458944	0.993132	0.974293	783	38	745
292.2 Mild cognit	0.407911	2.084831	1.012867	0.975608	856	10	846
356 Hereditary	0.651159	1.447704	1.005447	0.978729	911	37	874
801 Fracture of	0.413139	1.897565	1.010297	0.979183	876	10	866
550.6 Incisional h	0.468688	1.816966	1.008665	0.980128	839	12	827
429.9 Cardiac con	0.463377	1.852792	0.992238	0.982576	606	17	589
574 Cholelithias	0.593788	1.539516	1.003789	0.987597	917	26	891
316 Substance a	0.392687	1.86419	0.994597	0.989151	783	10	773
275 Disorders o	0.619777	1.491345	0.998037	0.993011	925	32	893
345 Epilepsy, re	0.55032	1.625089	1.002417	0.993059	845	22	823
735.21 Hammer to	0.452973	1.825781	1.002588	0.994256	866	12	854
300.4 Dysthymic c	0.388694	2.033681	0.997493	0.995306	721	10	711

433.1 Occlusion a	0.725221	1.334013	0.999936	0.999669	831	71	760
41.4 E. coli	NA	NA	NA	NA	914	1	913 [Error: < 10 cases or controls]
710.12 Chronic ost	NA	NA	NA	NA	833	1	832 [Error: < 10 cases or controls]
802 Fracture of	NA	NA	NA	NA	867	1	866 [Error: < 10 cases or controls]
872 Traumatic ε	NA	NA	NA	NA	862	1	861 [Error: < 10 cases or controls]
136 Other infec	NA	NA	NA	NA	930	1	929 [Error: < 10 cases or controls]
346.2 Nonspecific	NA	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]
334.1 Spinocereb	NA	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]
327.72 Sleep relatε	NA	NA	NA	NA	677	1	676 [Error: < 10 cases or controls]
358 Myoneural	NA	NA	NA	NA	875	1	874 [Error: < 10 cases or controls]
686.3 Pilonidal cy	NA	NA	NA	NA	823	1	822 [Error: < 10 cases or controls]
279.2 Autoimmun	NA	NA	NA	NA	891	1	890 [Error: < 10 cases or controls]
362.1 Retinopath	NA	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]
528.12 Oral aphthε	NA	NA	NA	NA	898	1	897 [Error: < 10 cases or controls]
110.2 Dermatomy	NA	NA	NA	NA	832	1	831 [Error: < 10 cases or controls]
362.5 Toxic macu	NA	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]
480.13 MRSA pneu	NA	NA	NA	NA	790	1	789 [Error: < 10 cases or controls]
656 Other perin	NA	NA	NA	NA	937	1	936 [Error: < 10 cases or controls]
303.3 Psychogeni	NA	NA	NA	NA	712	1	711 [Error: < 10 cases or controls]
364.41 Keratoconu	NA	NA	NA	NA	833	1	832 [Error: < 10 cases or controls]
604.2 Vascular di	NA	NA	NA	NA	636	1	635 [Error: < 10 cases or controls]
292.6 Hallucinatic	NA	NA	NA	NA	847	1	846 [Error: < 10 cases or controls]
270.34 Alpha-1-ani	NA	NA	NA	NA	912	1	911 [Error: < 10 cases or controls]
204.2 Myeloid leu	NA	NA	NA	NA	928	1	927 [Error: < 10 cases or controls]
444.5 Atheroemb	NA	NA	NA	NA	746	1	745 [Error: < 10 cases or controls]
261.41 Ricketts or c	NA	NA	NA	NA	848	1	847 [Error: < 10 cases or controls]
695.41 Cutaneous	NA	NA	NA	NA	794	1	793 [Error: < 10 cases or controls]
246.2 Thyroid cys	NA	NA	NA	NA	831	1	830 [Error: < 10 cases or controls]
229.1 Benign neo	NA	NA	NA	NA	936	1	935 [Error: < 10 cases or controls]
740.3 Osteoarthr	NA	NA	NA	NA	710	1	709 [Error: < 10 cases or controls]
750.14 Congenital	NA	NA	NA	NA	913	1	912 [Error: < 10 cases or controls]
567 Peritonitis ε	NA	NA	NA	NA	839	1	838 [Error: < 10 cases or controls]
337.1 Peripheral ε	NA	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]

610.4 Benign neo	NA	NA	NA	921	1	920 [Error: < 10 cases or controls]
198.7 Secondary i	NA	NA	NA	839	1	838 [Error: < 10 cases or controls]
756.3 Congenital	NA	NA	NA	924	1	923 [Error: < 10 cases or controls]
750.21 Congenital	NA	NA	NA	913	1	912 [Error: < 10 cases or controls]
301.2 Antisocial/t	NA	NA	NA	712	1	711 [Error: < 10 cases or controls]
911 Blister	NA	NA	NA	935	1	934 [Error: < 10 cases or controls]
379.51 Pigmentary	NA	NA	NA	803	1	802 [Error: < 10 cases or controls]
528.4 Cysts of ora	NA	NA	NA	898	1	897 [Error: < 10 cases or controls]
575.2 Obstructior	NA	NA	NA	892	1	891 [Error: < 10 cases or controls]
277.6 Other defic	NA	NA	NA	898	1	897 [Error: < 10 cases or controls]
800.4 Fracture of	NA	NA	NA	867	1	866 [Error: < 10 cases or controls]
337 Disorders o	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]
229 Benign neo	NA	NA	NA	936	1	935 [Error: < 10 cases or controls]
597.1 Urethral str	NA	NA	NA	895	1	894 [Error: < 10 cases or controls]
989 Toxic effect	NA	NA	NA	933	1	932 [Error: < 10 cases or controls]
376 Disorders o	NA	NA	NA	803	1	802 [Error: < 10 cases or controls]
592.2 Urethritis a	NA	NA	NA	817	1	816 [Error: < 10 cases or controls]
695.21 Dermatitis	NA	NA	NA	798	1	797 [Error: < 10 cases or controls]
732.1 Juvenile ost	NA	NA	NA	831	1	830 [Error: < 10 cases or controls]
509.5 Respiratory	NA	NA	NA	766	1	765 [Error: < 10 cases or controls]
694.1 Vitiligo	NA	NA	NA	798	1	797 [Error: < 10 cases or controls]
750.1 Upper gast	NA	NA	NA	913	1	912 [Error: < 10 cases or controls]
370.1 Corneal ulc	NA	NA	NA	783	1	782 [Error: < 10 cases or controls]
870.4 Open woun	NA	NA	NA	862	1	861 [Error: < 10 cases or controls]
70.1 Viral hepati	NA	NA	NA	810	1	809 [Error: < 10 cases or controls]
281.9 Deficiency ;	NA	NA	NA	890	1	889 [Error: < 10 cases or controls]
573.1 Chronic pas	NA	NA	NA	791	1	790 [Error: < 10 cases or controls]
598.4 Other cells	NA	NA	NA	934	1	933 [Error: < 10 cases or controls]
586.3 Vascular dis	NA	NA	NA	805	1	804 [Error: < 10 cases or controls]
253.7 Other disor	NA	NA	NA	820	1	819 [Error: < 10 cases or controls]
501 Pneumoniti	NA	NA	NA	766	1	765 [Error: < 10 cases or controls]
524.3 Anomalies ;	NA	NA	NA	897	1	896 [Error: < 10 cases or controls]
250.12 Type 1 diab	NA	NA	NA	666	1	665 [Error: < 10 cases or controls]

573.2 Liver replac	NA	NA	NA	791	1	790 [Error: < 10 cases or controls]
711.3 Behcet's sy	NA	NA	NA	833	1	832 [Error: < 10 cases or controls]
320 Meningitis	NA	NA	NA	930	1	929 [Error: < 10 cases or controls]
420.1 Myocarditis	NA	NA	NA	762	1	761 [Error: < 10 cases or controls]
681.6 Cellulitis an	NA	NA	NA	823	1	822 [Error: < 10 cases or controls]
755 Congenital	NA	NA	NA	924	1	923 [Error: < 10 cases or controls]
259.2 Carcinoid s	NA	NA	NA	820	1	819 [Error: < 10 cases or controls]
519.1 Tracheosto	NA	NA	NA	892	1	891 [Error: < 10 cases or controls]
394.2 Mitral valv	NA	NA	NA	671	1	670 [Error: < 10 cases or controls]
433.32 Moyamoya	NA	NA	NA	761	1	760 [Error: < 10 cases or controls]
255.2 Adrenal hyp	NA	NA	NA	820	1	819 [Error: < 10 cases or controls]
695.2 Bullous der	NA	NA	NA	798	1	797 [Error: < 10 cases or controls]
270.32 Paraproteir	NA	NA	NA	912	1	911 [Error: < 10 cases or controls]
145.3 Cancer of n	NA	NA	NA	923	1	922 [Error: < 10 cases or controls]
442.3 Aneurysm c	NA	NA	NA	746	1	745 [Error: < 10 cases or controls]
705.3 Hidradeniti	NA	NA	NA	840	1	839 [Error: < 10 cases or controls]
287.4 Qualitative	NA	NA	NA	702	1	701 [Error: < 10 cases or controls]
985 Toxic effect	NA	NA	NA	933	1	932 [Error: < 10 cases or controls]
222 Benign neo	NA	NA	NA	870	1	869 [Error: < 10 cases or controls]
353.1 Nerve plex	NA	NA	NA	842	1	841 [Error: < 10 cases or controls]
656.9 Neonatal b	NA	NA	NA	937	1	936 [Error: < 10 cases or controls]
803.1 Fracture of	NA	NA	NA	867	1	866 [Error: < 10 cases or controls]
794 Abnormal r	NA	NA	NA	935	1	934 [Error: < 10 cases or controls]
252.2 Hypoparat	NA	NA	NA	820	1	819 [Error: < 10 cases or controls]
709.2 Sicca syndr	NA	NA	NA	794	1	793 [Error: < 10 cases or controls]
198.6 Secondary i	NA	NA	NA	839	1	838 [Error: < 10 cases or controls]
524 Dentofacial	NA	NA	NA	897	1	896 [Error: < 10 cases or controls]
870.2 Open woun	NA	NA	NA	862	1	861 [Error: < 10 cases or controls]
315.3 Mental ret	NA	NA	NA	924	1	923 [Error: < 10 cases or controls]
585.32 End stage r	NA	NA	NA	805	1	804 [Error: < 10 cases or controls]
70.4 Chronic he	NA	NA	NA	810	1	809 [Error: < 10 cases or controls]
962.1 Adrenal cor	NA	NA	NA	840	1	839 [Error: < 10 cases or controls]
368.5 Color visior	NA	NA	NA	860	1	859 [Error: < 10 cases or controls]

256 Ovarian dys	NA	NA	NA	820	1	819 [Error: < 10 cases or controls]
964 Poisoning b	NA	NA	NA	840	1	839 [Error: < 10 cases or controls]
388 Other disor	NA	NA	NA	786	1	785 [Error: < 10 cases or controls]
748 Anomalies i	NA	NA	NA	936	1	935 [Error: < 10 cases or controls]
728.1 Muscular c	NA	NA	NA	712	1	711 [Error: < 10 cases or controls]
876 Posttrauma	NA	NA	NA	862	1	861 [Error: < 10 cases or controls]
751.3 Obstructive	NA	NA	NA	913	1	912 [Error: < 10 cases or controls]
580.32 Nephritis a	NA	NA	NA	805	1	804 [Error: < 10 cases or controls]
851 Complicatic	NA	NA	NA	864	1	863 [Error: < 10 cases or controls]
715.3 Spinal enth	NA	NA	NA	819	1	818 [Error: < 10 cases or controls]
755.1 Congenital	NA	NA	NA	924	1	923 [Error: < 10 cases or controls]
277.4 Disorders o	NA	NA	NA	898	1	897 [Error: < 10 cases or controls]
559 Ileostomy s	NA	NA	NA	708	1	707 [Error: < 10 cases or controls]
596.1 Bladder nec	NA	NA	NA	895	1	894 [Error: < 10 cases or controls]
255.21 Glucocortic	NA	NA	NA	820	1	819 [Error: < 10 cases or controls]
277 Other disor	NA	NA	NA	898	1	897 [Error: < 10 cases or controls]
710.19 Unspecific	NA	NA	NA	833	1	832 [Error: < 10 cases or controls]
535.1 Acute gastr	NA	NA	NA	875	1	874 [Error: < 10 cases or controls]
149.9 Cancer of o	NA	NA	NA	923	1	922 [Error: < 10 cases or controls]
599.8 Other symç	NA	NA	NA	753	1	752 [Error: < 10 cases or controls]
724.8 Other symç	NA	NA	NA	739	1	738 [Error: < 10 cases or controls]
757 Congenital	NA	NA	NA	921	1	920 [Error: < 10 cases or controls]
967 Adverse eff	NA	NA	NA	840	1	839 [Error: < 10 cases or controls]
41.12 Methicillin	NA	NA	NA	914	1	913 [Error: < 10 cases or controls]
159.2 Malignant r	NA	NA	NA	891	1	890 [Error: < 10 cases or controls]
818.2 Subarachnc	NA	NA	NA	918	1	917 [Error: < 10 cases or controls]
783.1 Postproced	NA	NA	NA	868	1	867 [Error: < 10 cases or controls]
453 Chronic ver	NA	NA	NA	708	1	707 [Error: < 10 cases or controls]
556.11 Angiodyspl	NA	NA	NA	708	1	707 [Error: < 10 cases or controls]
530.6 Diverticulur	NA	NA	NA	674	1	673 [Error: < 10 cases or controls]
724.9 Other unsp	NA	NA	NA	739	1	738 [Error: < 10 cases or controls]
803.21 Colles' fract	NA	NA	NA	867	1	866 [Error: < 10 cases or controls]
225.2 Benign neo	NA	NA	NA	914	1	913 [Error: < 10 cases or controls]

994.1 Systemic in NA	NA	NA	NA	932	1	931 [Error: < 10 cases or controls]
41.9 Infection w NA	NA	NA	NA	914	1	913 [Error: < 10 cases or controls]
618 Genital pro NA	NA	NA	NA	937	1	936 [Error: < 10 cases or controls]
371.33 Noninfectic NA	NA	NA	NA	783	1	782 [Error: < 10 cases or controls]
200.1 Polycythem NA	NA	NA	NA	871	1	870 [Error: < 10 cases or controls]
736.6 Unequal leg NA	NA	NA	NA	855	1	854 [Error: < 10 cases or controls]
348.7 Coma NA	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]
528.3 Cellulitis an NA	NA	NA	NA	898	1	897 [Error: < 10 cases or controls]
743.21 Pathologic f NA	NA	NA	NA	864	1	863 [Error: < 10 cases or controls]
964.1 Anticoagula NA	NA	NA	NA	840	1	839 [Error: < 10 cases or controls]
285.22 Anemia in r NA	NA	NA	NA	890	1	889 [Error: < 10 cases or controls]
965.1 Opiates anc NA	NA	NA	NA	840	1	839 [Error: < 10 cases or controls]
592.13 Chronic int NA	NA	NA	NA	817	1	816 [Error: < 10 cases or controls]
41.8 H. pylori NA	NA	NA	NA	914	1	913 [Error: < 10 cases or controls]
290.13 Senile dem NA	NA	NA	NA	847	1	846 [Error: < 10 cases or controls]
528.41 Cyst of the NA	NA	NA	NA	898	1	897 [Error: < 10 cases or controls]
157 Pancreatic f NA	NA	NA	NA	891	1	890 [Error: < 10 cases or controls]
523.32 Chronic per NA	NA	NA	NA	897	1	896 [Error: < 10 cases or controls]
364.9 Cornea repl NA	NA	NA	NA	833	1	832 [Error: < 10 cases or controls]
575.8 Other disor NA	NA	NA	NA	892	1	891 [Error: < 10 cases or controls]
117 Mycoses NA	NA	NA	NA	832	1	831 [Error: < 10 cases or controls]
610 Benign mar NA	NA	NA	NA	921	1	920 [Error: < 10 cases or controls]
290.16 Vascular de NA	NA	NA	NA	847	1	846 [Error: < 10 cases or controls]
242.31 Thyrotoxic f NA	NA	NA	NA	831	1	830 [Error: < 10 cases or controls]
871.4 Open woun NA	NA	NA	NA	862	1	861 [Error: < 10 cases or controls]
857 Mechanical NA	NA	NA	NA	864	1	863 [Error: < 10 cases or controls]
602.3 Dysplasia o NA	NA	NA	NA	667	1	666 [Error: < 10 cases or controls]
170.2 Cancer of c NA	NA	NA	NA	932	1	931 [Error: < 10 cases or controls]
346 Abnormal f NA	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]
289.1 Myelofibro: NA	NA	NA	NA	844	1	843 [Error: < 10 cases or controls]
574.11 Cholelithias NA	NA	NA	NA	892	1	891 [Error: < 10 cases or controls]
204 Leukemia NA	NA	NA	NA	928	1	927 [Error: < 10 cases or controls]
253.2 Pituitary hy NA	NA	NA	NA	820	1	819 [Error: < 10 cases or controls]

613.8 Other speci	NA	NA	NA	932	1	931 [Error: < 10 cases or controls]
587 Kidney repl	NA	NA	NA	805	1	804 [Error: < 10 cases or controls]
361.2 Retinoschis	NA	NA	NA	833	1	832 [Error: < 10 cases or controls]
474.1 Acute tonsi	NA	NA	NA	693	1	692 [Error: < 10 cases or controls]
782.6 Pallor and f	NA	NA	NA	830	1	829 [Error: < 10 cases or controls]
962 Poisoning b	NA	NA	NA	840	1	839 [Error: < 10 cases or controls]
695.1 Toxic eryth	NA	NA	NA	798	1	797 [Error: < 10 cases or controls]
260.22 Nutritional	NA	NA	NA	848	1	847 [Error: < 10 cases or controls]
260.3 Adult failur	NA	NA	NA	848	1	847 [Error: < 10 cases or controls]
251 Other disor	NA	NA	NA	820	1	819 [Error: < 10 cases or controls]
282.5 Sickle cell a	NA	NA	NA	890	1	889 [Error: < 10 cases or controls]
316.1 Polyneurop	NA	NA	NA	774	1	773 [Error: < 10 cases or controls]
303.4 Somatoforr	NA	NA	NA	712	1	711 [Error: < 10 cases or controls]
590 Pyelonephr	NA	NA	NA	817	1	816 [Error: < 10 cases or controls]
360.3 Hypotony c	NA	NA	NA	833	1	832 [Error: < 10 cases or controls]
564.9 Personal hi:	NA	NA	NA	708	1	707 [Error: < 10 cases or controls]
8.5 Bacterial er	NA	NA	NA	930	1	929 [Error: < 10 cases or controls]
442.4 Arterial dis:	NA	NA	NA	746	1	745 [Error: < 10 cases or controls]
531.1 Hemorrhag	NA	NA	NA	913	1	912 [Error: < 10 cases or controls]
509.3 Pulmonary	NA	NA	NA	766	1	765 [Error: < 10 cases or controls]
742.8 Articular ca	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]
598 Abnormal f	NA	NA	NA	934	1	933 [Error: < 10 cases or controls]
781.1 Loss of heig	NA	NA	NA	914	1	913 [Error: < 10 cases or controls]
442.2 Aneurysm c	NA	NA	NA	746	1	745 [Error: < 10 cases or controls]
756.1 Congenital	NA	NA	NA	924	1	923 [Error: < 10 cases or controls]
842 Other sprai	NA	NA	NA	812	1	811 [Error: < 10 cases or controls]
223 Benign neo	NA	NA	NA	740	1	739 [Error: < 10 cases or controls]
853 Complicatic	NA	NA	NA	864	1	863 [Error: < 10 cases or controls]
550.3 Femoral he	NA	NA	NA	828	1	827 [Error: < 10 cases or controls]
377.1 Optic atrop	NA	NA	NA	803	1	802 [Error: < 10 cases or controls]
250.15 Diabetes ty	NA	NA	NA	666	1	665 [Error: < 10 cases or controls]
588.2 Secondary l	NA	NA	NA	805	1	804 [Error: < 10 cases or controls]
348.2 Cerebral ed	NA	NA	NA	824	1	823 [Error: < 10 cases or controls]

727.7 Contracture	NA	NA	NA	712	1	711	[Error: < 10 cases or controls]
315 Develomen	NA	NA	NA	924	1	923	[Error: < 10 cases or controls]
279.11 Deficiency	NA	NA	NA	891	1	890	[Error: < 10 cases or controls]
270.35 Macroglob	NA	NA	NA	912	1	911	[Error: < 10 cases or controls]
282 Hereditary	NA	NA	NA	890	1	889	[Error: < 10 cases or controls]
249 Secondary	NA	NA	NA	666	1	665	[Error: < 10 cases or controls]
394.4 Acute rheu	NA	NA	NA	671	1	670	[Error: < 10 cases or controls]
38.1 Gram negat	NA	NA	NA	914	1	913	[Error: < 10 cases or controls]
592.11 Acute cystit	NA	NA	NA	817	1	816	[Error: < 10 cases or controls]
875 Non-healin	NA	NA	NA	862	1	861	[Error: < 10 cases or controls]
371.9 Chronic infl	NA	NA	NA	783	1	782	[Error: < 10 cases or controls]
528.6 Leukoplaki	NA	NA	NA	898	1	897	[Error: < 10 cases or controls]
972.6 Antihypert	NA	NA	NA	840	1	839	[Error: < 10 cases or controls]
8.52 Intestinal ir	NA	NA	NA	930	1	929	[Error: < 10 cases or controls]
378.2 Nystagmus	NA	NA	NA	803	1	802	[Error: < 10 cases or controls]
736.4 Genu valg	NA	NA	NA	855	1	854	[Error: < 10 cases or controls]
379.4 Anomalies	NA	NA	NA	803	1	802	[Error: < 10 cases or controls]
368.1 Amblyopia	NA	NA	NA	860	1	859	[Error: < 10 cases or controls]
709.7 Unspecifec	NA	NA	NA	794	1	793	[Error: < 10 cases or controls]
288.11 Neutropeni	NA	NA	NA	844	1	843	[Error: < 10 cases or controls]
994.21 Septic choc	NA	NA	NA	932	1	931	[Error: < 10 cases or controls]
578.1 Hemateme	NA	NA	NA	797	1	796	[Error: < 10 cases or controls]
733.2 Cyst of bon	NA	NA	NA	831	1	830	[Error: < 10 cases or controls]
707.1 Decubitus	NA	NA	NA	924	1	923	[Error: < 10 cases or controls]
297.2 Suicide or s	NA	NA	NA	712	1	711	[Error: < 10 cases or controls]
194 Cancer of o	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
364.4 Corneal de	NA	NA	NA	833	1	832	[Error: < 10 cases or controls]
363.3 Chorioretin	NA	NA	NA	833	1	832	[Error: < 10 cases or controls]
443.1 Raynaud's	NA	NA	NA	746	1	745	[Error: < 10 cases or controls]
750.2 Lower gastr	NA	NA	NA	913	1	912	[Error: < 10 cases or controls]
790.9 Abnormal a	NA	NA	NA	841	1	840	[Error: < 10 cases or controls]
526.9 Jaw disease	NA	NA	NA	897	1	896	[Error: < 10 cases or controls]
860 Bone marrc	NA	NA	NA	932	1	931	[Error: < 10 cases or controls]



263 Other nutri	NA	NA	NA	848	1	847 [Error: < 10 cases or controls]
758.1 Chromoson	NA	NA	NA	921	1	920 [Error: < 10 cases or controls]
686.4 Pyogenic gr	NA	NA	NA	823	1	822 [Error: < 10 cases or controls]
276.11 Hyperosmo	NA	NA	NA	808	2	806 [Error: < 10 cases or controls]
347 Cataplexy a	NA	NA	NA	825	2	823 [Error: < 10 cases or controls]
303 Psychogeni	NA	NA	NA	713	2	711 [Error: < 10 cases or controls]
759 Other and t	NA	NA	NA	922	2	920 [Error: < 10 cases or controls]
709.3 Systemic sc	NA	NA	NA	795	2	793 [Error: < 10 cases or controls]
800.2 Fracture of	NA	NA	NA	868	2	866 [Error: < 10 cases or controls]
480.1 Bacterial pr	NA	NA	NA	791	2	789 [Error: < 10 cases or controls]
527.7 Disturbanc	NA	NA	NA	899	2	897 [Error: < 10 cases or controls]
557.1 Celiac disea	NA	NA	NA	709	2	707 [Error: < 10 cases or controls]
444.1 Arterial em	NA	NA	NA	747	2	745 [Error: < 10 cases or controls]
317.11 Alcoholic liv	NA	NA	NA	775	2	773 [Error: < 10 cases or controls]
513.32 Orthopnea	NA	NA	NA	907	2	905 [Error: < 10 cases or controls]
513.3 Hypoventil	NA	NA	NA	907	2	905 [Error: < 10 cases or controls]
70.2 Viral hepati	NA	NA	NA	811	2	809 [Error: < 10 cases or controls]
986 Toxic effect	NA	NA	NA	934	2	932 [Error: < 10 cases or controls]
707.3 Chronic ulc	NA	NA	NA	925	2	923 [Error: < 10 cases or controls]
526.5 Inflammato	NA	NA	NA	898	2	896 [Error: < 10 cases or controls]
597.2 Urinary con	NA	NA	NA	896	2	894 [Error: < 10 cases or controls]
250.13 Type 1 diab	NA	NA	NA	667	2	665 [Error: < 10 cases or controls]
430.3 Subdural h	NA	NA	NA	762	2	760 [Error: < 10 cases or controls]
870.1 Open woun	NA	NA	NA	863	2	861 [Error: < 10 cases or controls]
704.1 Alopecia	NA	NA	NA	879	2	877 [Error: < 10 cases or controls]
592.12 Chronic cys	NA	NA	NA	818	2	816 [Error: < 10 cases or controls]
498 Acute bron	NA	NA	NA	784	2	782 [Error: < 10 cases or controls]
292.5 Transient a	NA	NA	NA	848	2	846 [Error: < 10 cases or controls]
772.4 Rhabdomy	NA	NA	NA	874	2	872 [Error: < 10 cases or controls]
370.2 Superficial l	NA	NA	NA	784	2	782 [Error: < 10 cases or controls]
286.4 Acquired cc	NA	NA	NA	703	2	701 [Error: < 10 cases or controls]
287.1 Spontaneo	NA	NA	NA	703	2	701 [Error: < 10 cases or controls]
379.9 Pain, swelli	NA	NA	NA	804	2	802 [Error: < 10 cases or controls]

594.2 Calculus of NA	NA	NA	NA	870	2	868 [Error: < 10 cases or controls]
227.3 Benign neo NA	NA	NA	NA	916	2	914 [Error: < 10 cases or controls]
341 Other demy NA	NA	NA	NA	825	2	823 [Error: < 10 cases or controls]
930 Allergic rea NA	NA	NA	NA	792	2	790 [Error: < 10 cases or controls]
712 Infective co NA	NA	NA	NA	834	2	832 [Error: < 10 cases or controls]
732.7 Osteochonr NA	NA	NA	NA	832	2	830 [Error: < 10 cases or controls]
510.2 Lung transp NA	NA	NA	NA	856	2	854 [Error: < 10 cases or controls]
290.12 Dementia v NA	NA	NA	NA	848	2	846 [Error: < 10 cases or controls]
301 Personality NA	NA	NA	NA	713	2	711 [Error: < 10 cases or controls]
189.4 Malignant r NA	NA	NA	NA	913	2	911 [Error: < 10 cases or controls]
277.51 Lipoprotein NA	NA	NA	NA	899	2	897 [Error: < 10 cases or controls]
355 Complex re NA	NA	NA	NA	843	2	841 [Error: < 10 cases or controls]
226 Benign neo NA	NA	NA	NA	916	2	914 [Error: < 10 cases or controls]
285.21 Anemia in c NA	NA	NA	NA	891	2	889 [Error: < 10 cases or controls]
609 Male infert NA	NA	NA	NA	637	2	635 [Error: < 10 cases or controls]
609.2 Abnormal s NA	NA	NA	NA	637	2	635 [Error: < 10 cases or controls]
535.9 Gastritis an NA	NA	NA	NA	876	2	874 [Error: < 10 cases or controls]
713.5 Arthropath NA	NA	NA	NA	834	2	832 [Error: < 10 cases or controls]
769 Nonallopat NA	NA	NA	NA	937	2	935 [Error: < 10 cases or controls]
557 Intestinal rr NA	NA	NA	NA	709	2	707 [Error: < 10 cases or controls]
579.2 Splenomeg NA	NA	NA	NA	798	2	796 [Error: < 10 cases or controls]
8.6 Viral Enteri NA	NA	NA	NA	931	2	929 [Error: < 10 cases or controls]
90 Sexually tra NA	NA	NA	NA	937	2	935 [Error: < 10 cases or controls]
255.12 Hyperaldos NA	NA	NA	NA	821	2	819 [Error: < 10 cases or controls]
10 Tuberculosi NA	NA	NA	NA	915	2	913 [Error: < 10 cases or controls]
756 Other cong NA	NA	NA	NA	925	2	923 [Error: < 10 cases or controls]
696.3 Pityriasis NA	NA	NA	NA	799	2	797 [Error: < 10 cases or controls]
149.5 Hx of malig NA	NA	NA	NA	924	2	922 [Error: < 10 cases or controls]
560.3 Peritoneal c NA	NA	NA	NA	709	2	707 [Error: < 10 cases or controls]
375.2 Epiphora NA	NA	NA	NA	804	2	802 [Error: < 10 cases or controls]
288.3 Eosinophili NA	NA	NA	NA	845	2	843 [Error: < 10 cases or controls]
695.4 Lupus (loca NA	NA	NA	NA	795	2	793 [Error: < 10 cases or controls]
695.42 Systemic lu NA	NA	NA	NA	795	2	793 [Error: < 10 cases or controls]

754	Congenital	NA	NA	NA	925	2	923	[Error: < 10 cases or controls]
754.2	Spondylolysis	NA	NA	NA	925	2	923	[Error: < 10 cases or controls]
187	Cancer of o	NA	NA	NA	871	2	869	[Error: < 10 cases or controls]
187.2	Malignant r	NA	NA	NA	871	2	869	[Error: < 10 cases or controls]
450	Noninfectic	NA	NA	NA	937	2	935	[Error: < 10 cases or controls]
611.3	Lump or m	NA	NA	NA	922	2	920	[Error: < 10 cases or controls]
611	Abnormal f	NA	NA	NA	922	2	920	[Error: < 10 cases or controls]
580.2	Nephrotic s	NA	NA	NA	806	2	804	[Error: < 10 cases or controls]
727.2	Bursitis disc	NA	NA	NA	713	2	711	[Error: < 10 cases or controls]
691.3	Congenital	NA	NA	NA	799	2	797	[Error: < 10 cases or controls]
430.1	Subarachnc	NA	NA	NA	762	2	760	[Error: < 10 cases or controls]
260.6	Anorexia	NA	NA	NA	849	2	847	[Error: < 10 cases or controls]
526.41	Temporom:	NA	NA	NA	898	2	896	[Error: < 10 cases or controls]
577.3	Cyst and ps	NA	NA	NA	928	2	926	[Error: < 10 cases or controls]
209	Neuroendo	NA	NA	NA	937	2	935	[Error: < 10 cases or controls]
246.7	Abnormal r	NA	NA	NA	832	2	830	[Error: < 10 cases or controls]
441	Vascular ins	NA	NA	NA	747	2	745	[Error: < 10 cases or controls]
258	Iatrogenic e	NA	NA	NA	821	2	819	[Error: < 10 cases or controls]
151	Cancer of s	NA	NA	NA	892	2	890	[Error: < 10 cases or controls]
474.2	Chronic ton	NA	NA	NA	694	2	692	[Error: < 10 cases or controls]
743.4	Stress fract	NA	NA	NA	865	2	863	[Error: < 10 cases or controls]
323	Encephaliti:	NA	NA	NA	931	2	929	[Error: < 10 cases or controls]
323.8	Encephaliti:	NA	NA	NA	931	2	929	[Error: < 10 cases or controls]
389.3	Degenerati	NA	NA	NA	787	2	785	[Error: < 10 cases or controls]
695.8	Other speci	NA	NA	NA	799	2	797	[Error: < 10 cases or controls]
772.1	Muscular w	NA	NA	NA	874	2	872	[Error: < 10 cases or controls]
368.4	Visual field	NA	NA	NA	861	2	859	[Error: < 10 cases or controls]
384	Other disor	NA	NA	NA	843	2	841	[Error: < 10 cases or controls]
384.4	Perforation	NA	NA	NA	843	2	841	[Error: < 10 cases or controls]
589	Abnormal r	NA	NA	NA	806	2	804	[Error: < 10 cases or controls]
198.3	Secondary i	NA	NA	NA	840	2	838	[Error: < 10 cases or controls]
855	Complicatic	NA	NA	NA	865	2	863	[Error: < 10 cases or controls]
574.2	Calculus of	NA	NA	NA	893	2	891	[Error: < 10 cases or controls]

701.6 Acquired ac	NA	NA	NA	846	2	844 [Error: < 10 cases or controls]
580.31 Nephritis a	NA	NA	NA	806	2	804 [Error: < 10 cases or controls]
275.53 Disorders o	NA	NA	NA	895	2	893 [Error: < 10 cases or controls]
711 Arthropath	NA	NA	NA	834	2	832 [Error: < 10 cases or controls]
972.1 Cardiac rhy	NA	NA	NA	841	2	839 [Error: < 10 cases or controls]
969 Poisoning b	NA	NA	NA	841	2	839 [Error: < 10 cases or controls]
312 Conduct dis	NA	NA	NA	925	2	923 [Error: < 10 cases or controls]
528.1 Stomatitis a	NA	NA	NA	899	2	897 [Error: < 10 cases or controls]
333.2 Myoclonus	NA	NA	NA	825	2	823 [Error: < 10 cases or controls]
80 Postoperati	NA	NA	NA	926	2	924 [Error: < 10 cases or controls]
191.11 Cancer of b	NA	NA	NA	915	2	913 [Error: < 10 cases or controls]
270.33 Amyloidosi	NA	NA	NA	913	2	911 [Error: < 10 cases or controls]
585.34 Chronic Kid	NA	NA	NA	806	2	804 [Error: < 10 cases or controls]
452.1 Iatrogenic p	NA	NA	NA	709	2	707 [Error: < 10 cases or controls]
496.3 Bronchiecta	NA	NA	NA	784	2	782 [Error: < 10 cases or controls]
306 Other ment	NA	NA	NA	713	2	711 [Error: < 10 cases or controls]
340.1 Migrain wit	NA	NA	NA	900	2	898 [Error: < 10 cases or controls]
525.1 Loss of teet	NA	NA	NA	898	2	896 [Error: < 10 cases or controls]
443.7 Peripheral a	NA	NA	NA	747	2	745 [Error: < 10 cases or controls]
790.1 Elevated se	NA	NA	NA	842	2	840 [Error: < 10 cases or controls]
686.2 Impetigo	NA	NA	NA	824	2	822 [Error: < 10 cases or controls]
275.11 Hereditary	NA	NA	NA	895	2	893 [Error: < 10 cases or controls]
170.1 Bone cance	NA	NA	NA	933	2	931 [Error: < 10 cases or controls]
974 Poisoning b	NA	NA	NA	841	2	839 [Error: < 10 cases or controls]
529 Diseases an	NA	NA	NA	899	2	897 [Error: < 10 cases or controls]
709.4 Polymyositi	NA	NA	NA	795	2	793 [Error: < 10 cases or controls]
601.4 Balanopost	NA	NA	NA	668	2	666 [Error: < 10 cases or controls]
349 Other and t	NA	NA	NA	825	2	823 [Error: < 10 cases or controls]
727.5 Rupture of	NA	NA	NA	713	2	711 [Error: < 10 cases or controls]
250.5 Glycosuria t	NA	NA	NA	667	2	665 [Error: < 10 cases or controls]
722.7 Interverteb	NA	NA	NA	740	2	738 [Error: < 10 cases or controls]
365.2 Primary anç	NA	NA	NA	834	2	832 [Error: < 10 cases or controls]
716.1 Unspecifiec	NA	NA	NA	834	2	832 [Error: < 10 cases or controls]

958.2 Traumatic a	NA	NA	NA	934	2	932 [Error: < 10 cases or controls]
800.1 Fracture of	NA	NA	NA	868	2	866 [Error: < 10 cases or controls]
286.81 Primary hyp	NA	NA	NA	703	2	701 [Error: < 10 cases or controls]
255.11 Cushing's s	NA	NA	NA	821	2	819 [Error: < 10 cases or controls]
276.42 Alkalosis	NA	NA	NA	808	2	806 [Error: < 10 cases or controls]
286.8 Hypercoagu	NA	NA	NA	703	2	701 [Error: < 10 cases or controls]
505 Other pulm	NA	NA	NA	768	3	765 [Error: < 10 cases or controls]
348.4 Cerebral cy	NA	NA	NA	826	3	823 [Error: < 10 cases or controls]
260.2 severe prot	NA	NA	NA	850	3	847 [Error: < 10 cases or controls]
41.11 Methicillin	NA	NA	NA	916	3	913 [Error: < 10 cases or controls]
536.3 Gastropare	NA	NA	NA	877	3	874 [Error: < 10 cases or controls]
420.3 Endocarditi	NA	NA	NA	764	3	761 [Error: < 10 cases or controls]
514.1 Abnormal r	NA	NA	NA	892	3	889 [Error: < 10 cases or controls]
597.8 Urethral hy	NA	NA	NA	897	3	894 [Error: < 10 cases or controls]
38.3 Bacteremia	NA	NA	NA	916	3	913 [Error: < 10 cases or controls]
155 Cancer of li	NA	NA	NA	893	3	890 [Error: < 10 cases or controls]
155.1 Malignant r	NA	NA	NA	893	3	890 [Error: < 10 cases or controls]
701.5 Abnormal g	NA	NA	NA	847	3	844 [Error: < 10 cases or controls]
327.1 Hypersomn	NA	NA	NA	679	3	676 [Error: < 10 cases or controls]
709.5 Dermatomy	NA	NA	NA	796	3	793 [Error: < 10 cases or controls]
440.21 Atheroscler	NA	NA	NA	748	3	745 [Error: < 10 cases or controls]
530.2 Esophageal	NA	NA	NA	676	3	673 [Error: < 10 cases or controls]
686 Other local	NA	NA	NA	825	3	822 [Error: < 10 cases or controls]
705.1 Dyshidrosis	NA	NA	NA	842	3	839 [Error: < 10 cases or controls]
613.5 Mastodyn	NA	NA	NA	934	3	931 [Error: < 10 cases or controls]
457.2 Encounter f	NA	NA	NA	710	3	707 [Error: < 10 cases or controls]
8 Intestinal ir	NA	NA	NA	932	3	929 [Error: < 10 cases or controls]
772 Symptoms	NA	NA	NA	875	3	872 [Error: < 10 cases or controls]
742.1 Loose body	NA	NA	NA	826	3	823 [Error: < 10 cases or controls]
580.4 Renal scler	NA	NA	NA	807	3	804 [Error: < 10 cases or controls]
800.3 Fracture of	NA	NA	NA	869	3	866 [Error: < 10 cases or controls]
377 Disorders o	NA	NA	NA	805	3	802 [Error: < 10 cases or controls]
459.1 Hemorrhag	NA	NA	NA	861	3	858 [Error: < 10 cases or controls]

750 Digestive c	NA	NA	NA	915	3	912 [Error: < 10 cases or controls]
733.9 Chondrom	NA	NA	NA	833	3	830 [Error: < 10 cases or controls]
577.1 Acute panc	NA	NA	NA	929	3	926 [Error: < 10 cases or controls]
474 Acute and c	NA	NA	NA	695	3	692 [Error: < 10 cases or controls]
153.3 Malignant r	NA	NA	NA	720	3	717 [Error: < 10 cases or controls]
836 Traumatic	NA	NA	NA	869	3	866 [Error: < 10 cases or controls]
333.4 Torsion dys	NA	NA	NA	826	3	823 [Error: < 10 cases or controls]
255.1 Adrenal hyp	NA	NA	NA	822	3	819 [Error: < 10 cases or controls]
522.5 Periapical a	NA	NA	NA	899	3	896 [Error: < 10 cases or controls]
522 Diseases of	NA	NA	NA	899	3	896 [Error: < 10 cases or controls]
695.7 Prurigo and	NA	NA	NA	800	3	797 [Error: < 10 cases or controls]
195.1 Malignant r	NA	NA	NA	841	3	838 [Error: < 10 cases or controls]
530.12 Ulcer of esc	NA	NA	NA	676	3	673 [Error: < 10 cases or controls]
599.6 Oliguria an	NA	NA	NA	755	3	752 [Error: < 10 cases or controls]
588.1 Renal osteo	NA	NA	NA	807	3	804 [Error: < 10 cases or controls]
588 Disorders r	NA	NA	NA	807	3	804 [Error: < 10 cases or controls]
253.1 Pituitary hy	NA	NA	NA	822	3	819 [Error: < 10 cases or controls]
458.2 Iatrogenic f	NA	NA	NA	861	3	858 [Error: < 10 cases or controls]
715.2 Ankylosing	NA	NA	NA	821	3	818 [Error: < 10 cases or controls]
145.2 Cancer of t	NA	NA	NA	925	3	922 [Error: < 10 cases or controls]
420.21 Acute peric	NA	NA	NA	764	3	761 [Error: < 10 cases or controls]
555.21 Ulcerative	NA	NA	NA	710	3	707 [Error: < 10 cases or controls]
523.31 Acute peric	NA	NA	NA	899	3	896 [Error: < 10 cases or controls]
285.2 Anemia of	NA	NA	NA	892	3	889 [Error: < 10 cases or controls]
735.23 Hallux rigid	NA	NA	NA	857	3	854 [Error: < 10 cases or controls]
556 Ulceration	NA	NA	NA	710	3	707 [Error: < 10 cases or controls]
556.1 Ulceration	NA	NA	NA	710	3	707 [Error: < 10 cases or controls]
196 Radiothera	NA	NA	NA	841	3	838 [Error: < 10 cases or controls]
364.1 Corneal op	NA	NA	NA	835	3	832 [Error: < 10 cases or controls]
732 Osteochon	NA	NA	NA	833	3	830 [Error: < 10 cases or controls]
159 Malignant r	NA	NA	NA	893	3	890 [Error: < 10 cases or controls]
378.5 Paralytic str	NA	NA	NA	805	3	802 [Error: < 10 cases or controls]
433.5 Cerebral an	NA	NA	NA	763	3	760 [Error: < 10 cases or controls]

721.2 Spondylosis	NA	NA	NA	741	3	738 [Error: < 10 cases or controls]
530.15 Eosinophilic	NA	NA	NA	676	3	673 [Error: < 10 cases or controls]
368.3 Anisometric	NA	NA	NA	862	3	859 [Error: < 10 cases or controls]
288.1 Decreased	NA	NA	NA	846	3	843 [Error: < 10 cases or controls]
818.1 Subdural h	NA	NA	NA	920	3	917 [Error: < 10 cases or controls]
818 Intracranial	NA	NA	NA	920	3	917 [Error: < 10 cases or controls]
364.51 Fuchs' dyst	NA	NA	NA	835	3	832 [Error: < 10 cases or controls]
197 Chemother	NA	NA	NA	841	3	838 [Error: < 10 cases or controls]
572 Ascites (no	NA	NA	NA	793	3	790 [Error: < 10 cases or controls]
287.31 Primary thr	NA	NA	NA	704	3	701 [Error: < 10 cases or controls]
364.2 Corneal ed	NA	NA	NA	835	3	832 [Error: < 10 cases or controls]
362.22 Macular de	NA	NA	NA	826	3	823 [Error: < 10 cases or controls]
782 Symptoms	NA	NA	NA	832	3	829 [Error: < 10 cases or controls]
691 Congenital	NA	NA	NA	800	3	797 [Error: < 10 cases or controls]
191.1 Cancer of b	NA	NA	NA	916	3	913 [Error: < 10 cases or controls]
285.1 Acute post	NA	NA	NA	892	3	889 [Error: < 10 cases or controls]
295.1 Schizophre	NA	NA	NA	714	3	711 [Error: < 10 cases or controls]
300.3 Obsessive-c	NA	NA	NA	714	3	711 [Error: < 10 cases or controls]
724.1 Disorders o	NA	NA	NA	741	3	738 [Error: < 10 cases or controls]
870.5 Open woun	NA	NA	NA	864	3	861 [Error: < 10 cases or controls]
420.22 Chronic per	NA	NA	NA	764	3	761 [Error: < 10 cases or controls]
379.1 Scleritis anc	NA	NA	NA	805	3	802 [Error: < 10 cases or controls]
795.81 Elevated ca	NA	NA	NA	935	3	932 [Error: < 10 cases or controls]
795.8 Abnormal t	NA	NA	NA	935	3	932 [Error: < 10 cases or controls]
580.12 Non-prolife	NA	NA	NA	807	3	804 [Error: < 10 cases or controls]
580.1 Glomerulor	NA	NA	NA	807	3	804 [Error: < 10 cases or controls]
913 Toxic effect	NA	NA	NA	907	3	904 [Error: < 10 cases or controls]
739 Contractur	NA	NA	NA	857	3	854 [Error: < 10 cases or controls]
281.11 Pernicious	NA	NA	NA	892	3	889 [Error: < 10 cases or controls]
411.9 Other acut	NA	NA	NA	377	3	374 [Error: < 10 cases or controls]
528.5 Diseases of	NA	NA	NA	900	3	897 [Error: < 10 cases or controls]
331.1 Hydroceph	NA	NA	NA	826	3	823 [Error: < 10 cases or controls]
733 Other disor	NA	NA	NA	833	3	830 [Error: < 10 cases or controls]

293 Symptoms i	NA	NA	NA	902	3	899 [Error: < 10 cases or controls]
713 Arthropath	NA	NA	NA	835	3	832 [Error: < 10 cases or controls]
531.3 Duodenal u	NA	NA	NA	915	3	912 [Error: < 10 cases or controls]
345.11 Generalizec	NA	NA	NA	826	3	823 [Error: < 10 cases or controls]
958 Certain earl	NA	NA	NA	935	3	932 [Error: < 10 cases or controls]
242.3 Exophthalrn	NA	NA	NA	833	3	830 [Error: < 10 cases or controls]
727.8 Plica syndrc	NA	NA	NA	714	3	711 [Error: < 10 cases or controls]
213 Benign neo	NA	NA	NA	742	3	739 [Error: < 10 cases or controls]
225.1 Benign neo	NA	NA	NA	916	3	913 [Error: < 10 cases or controls]
573.5 Jaundice (n	NA	NA	NA	793	3	790 [Error: < 10 cases or controls]
447.1 Stricture of	NA	NA	NA	748	3	745 [Error: < 10 cases or controls]
295.3 Psychosis	NA	NA	NA	714	3	711 [Error: < 10 cases or controls]
737.3 Kyphoscolic	NA	NA	NA	857	3	854 [Error: < 10 cases or controls]
737 Curvature c	NA	NA	NA	857	3	854 [Error: < 10 cases or controls]
277.5 Other disor	NA	NA	NA	900	3	897 [Error: < 10 cases or controls]
362.31 Separation	NA	NA	NA	826	3	823 [Error: < 10 cases or controls]
53.1 Herpes zost	NA	NA	NA	812	3	809 [Error: < 10 cases or controls]
272.9 Unspecifec	NA	NA	NA	259	3	256 [Error: < 10 cases or controls]
527.2 Sialoadeniti	NA	NA	NA	900	3	897 [Error: < 10 cases or controls]
380 Disorders o	NA	NA	NA	849	3	846 [Error: < 10 cases or controls]
291.4 Specific nor	NA	NA	NA	849	3	846 [Error: < 10 cases or controls]
170 Cancer of b	NA	NA	NA	934	3	931 [Error: < 10 cases or controls]
580.3 Nephritis ar	NA	NA	NA	807	3	804 [Error: < 10 cases or controls]
573.4 Acute and s	NA	NA	NA	794	4	790 [Error: < 10 cases or controls]
290.2 Delirium du	NA	NA	NA	850	4	846 [Error: < 10 cases or controls]
797.1 Cardiogenic	NA	NA	NA	932	4	928 [Error: < 10 cases or controls]
451 Phlebitis an	NA	NA	NA	711	4	707 [Error: < 10 cases or controls]
451.2 Phlebitis an	NA	NA	NA	711	4	707 [Error: < 10 cases or controls]
736.2 Acquired d	NA	NA	NA	858	4	854 [Error: < 10 cases or controls]
585.2 Renal failur	NA	NA	NA	808	4	804 [Error: < 10 cases or controls]
212 Benign neo	NA	NA	NA	933	4	929 [Error: < 10 cases or controls]
697 Sarcoidosis	NA	NA	NA	801	4	797 [Error: < 10 cases or controls]
286.9 Abnormal c	NA	NA	NA	705	4	701 [Error: < 10 cases or controls]



681.7 Cellulitis an	NA	NA	NA	826	4	822 [Error: < 10 cases or controls]
500.1 Extrinsic all	NA	NA	NA	769	4	765 [Error: < 10 cases or controls]
705 Disorders o	NA	NA	NA	843	4	839 [Error: < 10 cases or controls]
465.4 Acute laryn	NA	NA	NA	706	4	702 [Error: < 10 cases or controls]
200 Myeloprolif	NA	NA	NA	931	4	927 [Error: < 10 cases or controls]
733.8 Malunion a	NA	NA	NA	834	4	830 [Error: < 10 cases or controls]
613 Other nonn	NA	NA	NA	935	4	931 [Error: < 10 cases or controls]
454.11 Varicose ve	NA	NA	NA	711	4	707 [Error: < 10 cases or controls]
454.1 Varicose ve	NA	NA	NA	711	4	707 [Error: < 10 cases or controls]
297 Suicidal ide	NA	NA	NA	715	4	711 [Error: < 10 cases or controls]
297.1 Suicidal ide	NA	NA	NA	715	4	711 [Error: < 10 cases or controls]
350.3 Lack of coo	NA	NA	NA	887	4	883 [Error: < 10 cases or controls]
280 Iron deficie	NA	NA	NA	893	4	889 [Error: < 10 cases or controls]
280.1 Iron deficie	NA	NA	NA	893	4	889 [Error: < 10 cases or controls]
817 Concussion	NA	NA	NA	921	4	917 [Error: < 10 cases or controls]
227.1 Benign neo	NA	NA	NA	918	4	914 [Error: < 10 cases or controls]
362.7 Hereditary	NA	NA	NA	827	4	823 [Error: < 10 cases or controls]
856 Vascular co	NA	NA	NA	867	4	863 [Error: < 10 cases or controls]
550.5 Ventral her	NA	NA	NA	831	4	827 [Error: < 10 cases or controls]
592.1 Cystitis	NA	NA	NA	820	4	816 [Error: < 10 cases or controls]
594.8 Renal colic	NA	NA	NA	872	4	868 [Error: < 10 cases or controls]
362.27 Drusen (deç	NA	NA	NA	827	4	823 [Error: < 10 cases or controls]
364.5 Corneal dys	NA	NA	NA	836	4	832 [Error: < 10 cases or controls]
362.8 Retinal her	NA	NA	NA	827	4	823 [Error: < 10 cases or controls]
372 Disorders o	NA	NA	NA	786	4	782 [Error: < 10 cases or controls]
240 Simple and	NA	NA	NA	834	4	830 [Error: < 10 cases or controls]
681.2 Cellulitis an	NA	NA	NA	826	4	822 [Error: < 10 cases or controls]
352.1 Trigeminal	NA	NA	NA	845	4	841 [Error: < 10 cases or controls]
523.3 Periodontit	NA	NA	NA	900	4	896 [Error: < 10 cases or controls]
242.2 Toxic multi	NA	NA	NA	834	4	830 [Error: < 10 cases or controls]
290.11 Alzheimer's	NA	NA	NA	850	4	846 [Error: < 10 cases or controls]
729 Other disor	NA	NA	NA	715	4	711 [Error: < 10 cases or controls]
735.1 Flat foot	NA	NA	NA	858	4	854 [Error: < 10 cases or controls]

735.3 Hallux valgus	NA	NA	NA	858	4	854 [Error: < 10 cases or controls]
327.5 Parasomnia	NA	NA	NA	680	4	676 [Error: < 10 cases or controls]
949 Allergies, other	NA	NA	NA	794	4	790 [Error: < 10 cases or controls]
381.9 Otorrhea	NA	NA	NA	845	4	841 [Error: < 10 cases or controls]
274.21 Chondrocal	NA	NA	NA	859	4	855 [Error: < 10 cases or controls]
289.5 Diseases of	NA	NA	NA	847	4	843 [Error: < 10 cases or controls]
790.8 Elevated C-	NA	NA	NA	844	4	840 [Error: < 10 cases or controls]
225 Benign neo	NA	NA	NA	917	4	913 [Error: < 10 cases or controls]
360.2 Progressive	NA	NA	NA	836	4	832 [Error: < 10 cases or controls]
840.1 Muscle/ten	NA	NA	NA	815	4	811 [Error: < 10 cases or controls]
426.25 Other heart	NA	NA	NA	353	4	349 [Error: < 10 cases or controls]
525 Other disease	NA	NA	NA	900	4	896 [Error: < 10 cases or controls]
526.4 Temporom	NA	NA	NA	900	4	896 [Error: < 10 cases or controls]
350.6 Disturbance	NA	NA	NA	887	4	883 [Error: < 10 cases or controls]
352.2 Facial nerve	NA	NA	NA	845	4	841 [Error: < 10 cases or controls]
715.1 Sacroiliitis	NA	NA	NA	822	4	818 [Error: < 10 cases or controls]
728.71 Contracture	NA	NA	NA	715	4	711 [Error: < 10 cases or controls]
717 Polymyalgia	NA	NA	NA	936	4	932 [Error: < 10 cases or controls]
295.2 Paranoid di	NA	NA	NA	715	4	711 [Error: < 10 cases or controls]
965 Poisoning b	NA	NA	NA	843	4	839 [Error: < 10 cases or controls]
371.1 Uveitis, nor	NA	NA	NA	786	4	782 [Error: < 10 cases or controls]
190 Cancer of e	NA	NA	NA	917	4	913 [Error: < 10 cases or controls]
495.1 Chronic obs	NA	NA	NA	786	4	782 [Error: < 10 cases or controls]
481 Influenza	NA	NA	NA	793	4	789 [Error: < 10 cases or controls]
604.1 Redundant	NA	NA	NA	639	4	635 [Error: < 10 cases or controls]
790 Nonspecific	NA	NA	NA	844	4	840 [Error: < 10 cases or controls]
339 Other head	NA	NA	NA	902	4	898 [Error: < 10 cases or controls]
348.8 Encephalop	NA	NA	NA	827	4	823 [Error: < 10 cases or controls]
245.21 Chronic lym	NA	NA	NA	834	4	830 [Error: < 10 cases or controls]
706.1 Acne	NA	NA	NA	843	4	839 [Error: < 10 cases or controls]
931 Contact der	NA	NA	NA	794	4	790 [Error: < 10 cases or controls]
334 Degenerati	NA	NA	NA	827	4	823 [Error: < 10 cases or controls]
286.5 Hemorrhag	NA	NA	NA	705	4	701 [Error: < 10 cases or controls]

747.13 Congenital NA	NA	NA	NA	881	4	877 [Error: < 10 cases or controls]
994 Sepsis and ! NA	NA	NA	NA	935	4	931 [Error: < 10 cases or controls]
994.2 Sepsis NA	NA	NA	NA	935	4	931 [Error: < 10 cases or controls]
290.3 Other persi NA	NA	NA	NA	850	4	846 [Error: < 10 cases or controls]
990 Effects radi NA	NA	NA	NA	929	4	925 [Error: < 10 cases or controls]
710.11 Acute osteo NA	NA	NA	NA	836	4	832 [Error: < 10 cases or controls]
270 Disorders o NA	NA	NA	NA	915	4	911 [Error: < 10 cases or controls]
270.3 Disorders o NA	NA	NA	NA	915	4	911 [Error: < 10 cases or controls]
513.8 Disorders o NA	NA	NA	NA	909	4	905 [Error: < 10 cases or controls]
112 Candidiasis NA	NA	NA	NA	835	4	831 [Error: < 10 cases or controls]
722.8 Postlamine NA	NA	NA	NA	742	4	738 [Error: < 10 cases or controls]
300.9 Posttrauma NA	NA	NA	NA	716	5	711 [Error: < 10 cases or controls]
555.1 Regional er NA	NA	NA	NA	712	5	707 [Error: < 10 cases or controls]
327.31 Central/nor NA	NA	NA	NA	681	5	676 [Error: < 10 cases or controls]
706.8 Other speci NA	NA	NA	NA	844	5	839 [Error: < 10 cases or controls]
579.8 Nonspecific NA	NA	NA	NA	801	5	796 [Error: < 10 cases or controls]
523.1 Gingivitis NA	NA	NA	NA	901	5	896 [Error: < 10 cases or controls]
279.7 Other immı NA	NA	NA	NA	895	5	890 [Error: < 10 cases or controls]
313.1 Attention d NA	NA	NA	NA	928	5	923 [Error: < 10 cases or controls]
313 Pervasive d NA	NA	NA	NA	928	5	923 [Error: < 10 cases or controls]
244.2 Acquired hı NA	NA	NA	NA	835	5	830 [Error: < 10 cases or controls]
374.3 Ptosis of ey NA	NA	NA	NA	787	5	782 [Error: < 10 cases or controls]
274.2 Crystal arth NA	NA	NA	NA	860	5	855 [Error: < 10 cases or controls]
758 Chromoson NA	NA	NA	NA	925	5	920 [Error: < 10 cases or controls]
946 Anaphylact NA	NA	NA	NA	795	5	790 [Error: < 10 cases or controls]
781 Symptoms i NA	NA	NA	NA	918	5	913 [Error: < 10 cases or controls]
357 Inflammato NA	NA	NA	NA	879	5	874 [Error: < 10 cases or controls]
560.4 Other intes NA	NA	NA	NA	712	5	707 [Error: < 10 cases or controls]
612 Breast conc NA	NA	NA	NA	925	5	920 [Error: < 10 cases or controls]
612.2 Hypertroph NA	NA	NA	NA	925	5	920 [Error: < 10 cases or controls]
803.3 Fracture of NA	NA	NA	NA	871	5	866 [Error: < 10 cases or controls]
771.2 Cramp of liı NA	NA	NA	NA	872	5	867 [Error: < 10 cases or controls]
54 Herpes sim NA	NA	NA	NA	814	5	809 [Error: < 10 cases or controls]

743.12 Senile osteo	NA	NA	NA	868	5	863 [Error: < 10 cases or controls]
275.1 Disorders o	NA	NA	NA	898	5	893 [Error: < 10 cases or controls]
531.2 Gastric ulce	NA	NA	NA	917	5	912 [Error: < 10 cases or controls]
535.2 Atrophic ga	NA	NA	NA	879	5	874 [Error: < 10 cases or controls]
375 Disorders o	NA	NA	NA	807	5	802 [Error: < 10 cases or controls]
907 Injuries to t	NA	NA	NA	934	5	929 [Error: < 10 cases or controls]
379.5 Disorders o	NA	NA	NA	807	5	802 [Error: < 10 cases or controls]
592 Cystitis and	NA	NA	NA	821	5	816 [Error: < 10 cases or controls]
726.2 Synoviopat	NA	NA	NA	716	5	711 [Error: < 10 cases or controls]
227.2 Benign neo	NA	NA	NA	919	5	914 [Error: < 10 cases or controls]
597 Other disor	NA	NA	NA	899	5	894 [Error: < 10 cases or controls]
276.6 Fluid overlc	NA	NA	NA	811	5	806 [Error: < 10 cases or controls]
353.2 Nerve root	NA	NA	NA	846	5	841 [Error: < 10 cases or controls]
353 Nerve root	NA	NA	NA	846	5	841 [Error: < 10 cases or controls]
478 Throat pain	NA	NA	NA	697	5	692 [Error: < 10 cases or controls]
386.1 Meniere's c	NA	NA	NA	777	5	772 [Error: < 10 cases or controls]
700 Corns and c	NA	NA	NA	849	5	844 [Error: < 10 cases or controls]
245.2 Chronic thy	NA	NA	NA	835	5	830 [Error: < 10 cases or controls]
374.1 Ectropion o	NA	NA	NA	787	5	782 [Error: < 10 cases or controls]
359 Muscular d	NA	NA	NA	879	5	874 [Error: < 10 cases or controls]
359.2 Myopathy	NA	NA	NA	879	5	874 [Error: < 10 cases or controls]
426.22 Mobitz II A	NA	NA	NA	354	5	349 [Error: < 10 cases or controls]
210 Benign neo	NA	NA	NA	927	5	922 [Error: < 10 cases or controls]
560.1 Paralytic ile	NA	NA	NA	712	5	707 [Error: < 10 cases or controls]
195 Cancer, sus	NA	NA	NA	843	5	838 [Error: < 10 cases or controls]
701.1 Keratodern	NA	NA	NA	849	5	844 [Error: < 10 cases or controls]
531.4 Peptic ulce	NA	NA	NA	917	5	912 [Error: < 10 cases or controls]
603.2 Spermatoc	NA	NA	NA	640	5	635 [Error: < 10 cases or controls]
250.23 Type 2 diab	NA	NA	NA	670	5	665 [Error: < 10 cases or controls]
575.6 Cholesterol	NA	NA	NA	896	5	891 [Error: < 10 cases or controls]
456 Chronic ver	NA	NA	NA	712	5	707 [Error: < 10 cases or controls]
710.1 Osteomyeli	NA	NA	NA	837	5	832 [Error: < 10 cases or controls]
281.12 Other vitan	NA	NA	NA	894	5	889 [Error: < 10 cases or controls]

477 Epistaxis or	NA	NA	NA	697	5	692 [Error: < 10 cases or controls]
698 Pruritus an	NA	NA	NA	917	5	912 [Error: < 10 cases or controls]
471 Nasal polyp	NA	NA	NA	697	5	692 [Error: < 10 cases or controls]
145 Cancer of r	NA	NA	NA	927	5	922 [Error: < 10 cases or controls]
276.41 Acidosis	NA	NA	NA	812	6	806 [Error: < 10 cases or controls]
963 Poisoning b	NA	NA	NA	845	6	839 [Error: < 10 cases or controls]
963.1 Antineopla	NA	NA	NA	845	6	839 [Error: < 10 cases or controls]
568.1 Peritoneal	NA	NA	NA	844	6	838 [Error: < 10 cases or controls]
568 Other disor	NA	NA	NA	844	6	838 [Error: < 10 cases or controls]
81 Infection/ir	NA	NA	NA	930	6	924 [Error: < 10 cases or controls]
364 Corneal op	NA	NA	NA	838	6	832 [Error: < 10 cases or controls]
41.1 Staphyloco	NA	NA	NA	919	6	913 [Error: < 10 cases or controls]
738.4 Acquired s	NA	NA	NA	860	6	854 [Error: < 10 cases or controls]
527 Diseases of	NA	NA	NA	903	6	897 [Error: < 10 cases or controls]
331.9 Cerebral de	NA	NA	NA	829	6	823 [Error: < 10 cases or controls]
70.9 Hepatitis N	NA	NA	NA	815	6	809 [Error: < 10 cases or controls]
289.9 Abnormalit	NA	NA	NA	849	6	843 [Error: < 10 cases or controls]
798.1 Chronic fati	NA	NA	NA	637	6	631 [Error: < 10 cases or controls]
500 Lung diseas	NA	NA	NA	771	6	765 [Error: < 10 cases or controls]
224.1 Benign neo	NA	NA	NA	919	6	913 [Error: < 10 cases or controls]
555.2 Ulcerative	NA	NA	NA	713	6	707 [Error: < 10 cases or controls]
807 Fracture of	NA	NA	NA	872	6	866 [Error: < 10 cases or controls]
276.12 Hyposmola	NA	NA	NA	812	6	806 [Error: < 10 cases or controls]
703.1 Ingrowing r	NA	NA	NA	883	6	877 [Error: < 10 cases or controls]
736 Other acqu	NA	NA	NA	860	6	854 [Error: < 10 cases or controls]
599.1 Urinary obs	NA	NA	NA	758	6	752 [Error: < 10 cases or controls]
389.2 Conductive	NA	NA	NA	791	6	785 [Error: < 10 cases or controls]
960.2 Allergy/adv	NA	NA	NA	845	6	839 [Error: < 10 cases or controls]
960 Poisoning b	NA	NA	NA	845	6	839 [Error: < 10 cases or controls]
801.1 Fracture of	NA	NA	NA	872	6	866 [Error: < 10 cases or controls]
355.1 Chronic pai	NA	NA	NA	847	6	841 [Error: < 10 cases or controls]
158 Neoplasm	NA	NA	NA	896	6	890 [Error: < 10 cases or controls]
370.31 Keratoconji	NA	NA	NA	788	6	782 [Error: < 10 cases or controls]

360 Disorders o	NA	NA	NA	838	6	832 [Error: < 10 cases or controls]
378.1 Strabismus	NA	NA	NA	808	6	802 [Error: < 10 cases or controls]
601.3 Orchitis anc	NA	NA	NA	672	6	666 [Error: < 10 cases or controls]
426.8 Other cardi	NA	NA	NA	355	6	349 [Error: < 10 cases or controls]
335 Multiple scl	NA	NA	NA	829	6	823 [Error: < 10 cases or controls]
363 Chorioretin	NA	NA	NA	838	6	832 [Error: < 10 cases or controls]
473.3 Paralysis/sç	NA	NA	NA	698	6	692 [Error: < 10 cases or controls]
575.7 Other disor	NA	NA	NA	897	6	891 [Error: < 10 cases or controls]
253.4 Anterior pit	NA	NA	NA	825	6	819 [Error: < 10 cases or controls]
743.2 Pathologic i	NA	NA	NA	869	6	863 [Error: < 10 cases or controls]
701.4 Keloid scar	NA	NA	NA	850	6	844 [Error: < 10 cases or controls]
149.4 Cancer of lã	NA	NA	NA	928	6	922 [Error: < 10 cases or controls]
571.81 Portal hype	NA	NA	NA	796	6	790 [Error: < 10 cases or controls]
430.2 Intracerebr	NA	NA	NA	766	6	760 [Error: < 10 cases or controls]
858 Complicatic	NA	NA	NA	869	6	863 [Error: < 10 cases or controls]
295 Schizophreï	NA	NA	NA	717	6	711 [Error: < 10 cases or controls]
217.1 Nevus, non	NA	NA	NA	809	6	803 [Error: < 10 cases or controls]
172.3 Carcinoma	NA	NA	NA	763	6	757 [Error: < 10 cases or controls]
342 Hemiplegia	NA	NA	NA	829	6	823 [Error: < 10 cases or controls]
242.1 Graves' disç	NA	NA	NA	836	6	830 [Error: < 10 cases or controls]
191 Malignant ç	NA	NA	NA	919	6	913 [Error: < 10 cases or controls]
362.6 Peripheral i	NA	NA	NA	829	6	823 [Error: < 10 cases or controls]
912 Insect bite	NA	NA	NA	910	6	904 [Error: < 10 cases or controls]
292.11 Aphasia	NA	NA	NA	852	6	846 [Error: < 10 cases or controls]
972 Poisoning b	NA	NA	NA	845	6	839 [Error: < 10 cases or controls]
276.4 Acid-base b	NA	NA	NA	813	7	806 [Error: < 10 cases or controls]
797 Shock	NA	NA	NA	935	7	928 [Error: < 10 cases or controls]
458.1 Orthostatic	NA	NA	NA	865	7	858 [Error: < 10 cases or controls]
346.1 Nonspecific	NA	NA	NA	830	7	823 [Error: < 10 cases or controls]
535.6 Duodenitis	NA	NA	NA	881	7	874 [Error: < 10 cases or controls]
509.8 Dependenc	NA	NA	NA	772	7	765 [Error: < 10 cases or controls]
540.1 Appendiciti	NA	NA	NA	935	7	928 [Error: < 10 cases or controls]
540.11 Acute appe	NA	NA	NA	935	7	928 [Error: < 10 cases or controls]

728 Disorders o	NA	NA	NA	718	7	711 [Error: < 10 cases or controls]
738 Other acqu	NA	NA	NA	861	7	854 [Error: < 10 cases or controls]
395.3 Nonrheum	NA	NA	NA	677	7	670 [Error: < 10 cases or controls]
433.11 Occlusion o	NA	NA	NA	767	7	760 [Error: < 10 cases or controls]
504.1 Idiopathic f	NA	NA	NA	772	7	765 [Error: < 10 cases or controls]
345.12 Partial epile	NA	NA	NA	830	7	823 [Error: < 10 cases or controls]
571.8 Liver absce	NA	NA	NA	797	7	790 [Error: < 10 cases or controls]
327.41 Organic or	NA	NA	NA	683	7	676 [Error: < 10 cases or controls]
38 Septicemia	NA	NA	NA	920	7	913 [Error: < 10 cases or controls]
153.2 Colon canc	NA	NA	NA	724	7	717 [Error: < 10 cases or controls]
526 Diseases of	NA	NA	NA	903	7	896 [Error: < 10 cases or controls]
259.1 Nonspecific	NA	NA	NA	826	7	819 [Error: < 10 cases or controls]
707.2 Chronic ulc	NA	NA	NA	930	7	923 [Error: < 10 cases or controls]
723 Other disor	NA	NA	NA	745	7	738 [Error: < 10 cases or controls]
332 Parkinson's	NA	NA	NA	830	7	823 [Error: < 10 cases or controls]
255 Disorders o	NA	NA	NA	826	7	819 [Error: < 10 cases or controls]
705.8 Hyperhidro	NA	NA	NA	846	7	839 [Error: < 10 cases or controls]
530.3 Stricture an	NA	NA	NA	680	7	673 [Error: < 10 cases or controls]
473.1 Chronic lar	NA	NA	NA	699	7	692 [Error: < 10 cases or controls]
281.1 Megaloblas	NA	NA	NA	896	7	889 [Error: < 10 cases or controls]
250.7 Diabetic ret	NA	NA	NA	830	7	823 [Error: < 10 cases or controls]
198.4 Secondary	NA	NA	NA	845	7	838 [Error: < 10 cases or controls]
578.9 Hemorrhag	NA	NA	NA	803	7	796 [Error: < 10 cases or controls]
574.3 Cholecystiti	NA	NA	NA	898	7	891 [Error: < 10 cases or controls]
250.14 Type 1 diab	NA	NA	NA	672	7	665 [Error: < 10 cases or controls]
411.41 Aneurysm	NA	NA	NA	381	7	374 [Error: < 10 cases or controls]
681.3 Cellulitis an	NA	NA	NA	829	7	822 [Error: < 10 cases or controls]
379.3 Aphakia an	NA	NA	NA	809	7	802 [Error: < 10 cases or controls]
245 Thyroiditis	NA	NA	NA	837	7	830 [Error: < 10 cases or controls]
214.1 Lipoma of s	NA	NA	NA	918	7	911 [Error: < 10 cases or controls]
947 Urticaria	NA	NA	NA	797	7	790 [Error: < 10 cases or controls]
110.13 Dermatoph	NA	NA	NA	838	7	831 [Error: < 10 cases or controls]
603.1 Hydrocele	NA	NA	NA	642	7	635 [Error: < 10 cases or controls]

367.8	Hypermetr	NA	NA	NA	868	7	861 [Error: < 10 cases or controls]
149	Cancer of l	NA	NA	NA	929	7	922 [Error: < 10 cases or controls]
275.3	Disorders o	NA	NA	NA	900	7	893 [Error: < 10 cases or controls]
710	Osteomyeli	NA	NA	NA	839	7	832 [Error: < 10 cases or controls]
288.2	Elevated w	NA	NA	NA	850	7	843 [Error: < 10 cases or controls]
260	Protein-cal	NA	NA	NA	855	8	847 [Error: < 10 cases or controls]
530.9	Heartburn	NA	NA	NA	681	8	673 [Error: < 10 cases or controls]
198.2	Secondary i	NA	NA	NA	846	8	838 [Error: < 10 cases or controls]
870.3	Other open	NA	NA	NA	869	8	861 [Error: < 10 cases or controls]
540	Appendice	NA	NA	NA	936	8	928 [Error: < 10 cases or controls]
215	Other beni	NA	NA	NA	919	8	911 [Error: < 10 cases or controls]
819	Skull and fa	NA	NA	NA	925	8	917 [Error: < 10 cases or controls]
427.61	Supraventri	NA	NA	NA	357	8	349 [Error: < 10 cases or controls]
370.3	Keratoconji	NA	NA	NA	790	8	782 [Error: < 10 cases or controls]
426.23	Second deg	NA	NA	NA	357	8	349 [Error: < 10 cases or controls]
251.1	Hypoglycen	NA	NA	NA	608	8	600 [Error: < 10 cases or controls]
577	Diseases of	NA	NA	NA	934	8	926 [Error: < 10 cases or controls]
562.2	Diverticuliti	NA	NA	NA	715	8	707 [Error: < 10 cases or controls]
426.4	Anomalous	NA	NA	NA	357	8	349 [Error: < 10 cases or controls]
535.8	Other speci	NA	NA	NA	882	8	874 [Error: < 10 cases or controls]
709	Diffuse dise	NA	NA	NA	801	8	793 [Error: < 10 cases or controls]
694.2	Other dyscl	NA	NA	NA	805	8	797 [Error: < 10 cases or controls]
694	Dyschromia	NA	NA	NA	805	8	797 [Error: < 10 cases or controls]
153	Colorectal c	NA	NA	NA	725	8	717 [Error: < 10 cases or controls]
252.1	Hyperparat	NA	NA	NA	827	8	819 [Error: < 10 cases or controls]
193	Thyroid car	NA	NA	NA	922	8	914 [Error: < 10 cases or controls]
367.9	Blindness a	NA	NA	NA	869	8	861 [Error: < 10 cases or controls]
300.12	Agrophob	NA	NA	NA	719	8	711 [Error: < 10 cases or controls]
530.5	Disorders o	NA	NA	NA	681	8	673 [Error: < 10 cases or controls]
704.8	Other speci	NA	NA	NA	885	8	877 [Error: < 10 cases or controls]
79	Viral infecti	NA	NA	NA	817	8	809 [Error: < 10 cases or controls]
71	Human imn	NA	NA	NA	817	8	809 [Error: < 10 cases or controls]
71.1	HIV infectic	NA	NA	NA	817	8	809 [Error: < 10 cases or controls]



224	Benign neo	NA	NA	NA	921	8	913 [Error: < 10 cases or controls]
214	Lipoma	NA	NA	NA	919	8	911 [Error: < 10 cases or controls]
395.6	Heart valve	NA	NA	NA	678	8	670 [Error: < 10 cases or controls]
586.4	Stricture/ol	NA	NA	NA	812	8	804 [Error: < 10 cases or controls]
362.4	Retinal vasc	NA	NA	NA	831	8	823 [Error: < 10 cases or controls]
275.51	Hypocalcemia	NA	NA	NA	901	8	893 [Error: < 10 cases or controls]
395.4	Nonrheumatoid	NA	NA	NA	678	8	670 [Error: < 10 cases or controls]
189.21	Malignant r	NA	NA	NA	919	8	911 [Error: < 10 cases or controls]
189.2	Cancer of b	NA	NA	NA	919	8	911 [Error: < 10 cases or controls]
564.1	Irritable Bo	NA	NA	NA	715	8	707 [Error: < 10 cases or controls]
281	Other defic	NA	NA	NA	897	8	889 [Error: < 10 cases or controls]
433.12	Cerebral at	NA	NA	NA	768	8	760 [Error: < 10 cases or controls]
369.5	Conjunctivi	NA	NA	NA	790	8	782 [Error: < 10 cases or controls]
440.1	Atheroscler	NA	NA	NA	753	8	745 [Error: < 10 cases or controls]
250.25	Diabetes ty	NA	NA	NA	673	8	665 [Error: < 10 cases or controls]
110.12	Althete's fo	NA	NA	NA	839	8	831 [Error: < 10 cases or controls]
429.1	Heart trans	NA	NA	NA	598	9	589 [Error: < 10 cases or controls]
539	Bariatric su	NA	NA	NA	934	9	925 [Error: < 10 cases or controls]
348	Other cond	NA	NA	NA	832	9	823 [Error: < 10 cases or controls]
427.42	Cardiac arr	NA	NA	NA	358	9	349 [Error: < 10 cases or controls]
217	Vascular ha	NA	NA	NA	812	9	803 [Error: < 10 cases or controls]
555	Inflammatc	NA	NA	NA	716	9	707 [Error: < 10 cases or controls]
800	Fracture of	NA	NA	NA	875	9	866 [Error: < 10 cases or controls]
707	Chronic ulc	NA	NA	NA	932	9	923 [Error: < 10 cases or controls]
331	Other cere	NA	NA	NA	832	9	823 [Error: < 10 cases or controls]
211	Benign neo	NA	NA	NA	913	9	904 [Error: < 10 cases or controls]
516.1	Hemoptysis	NA	NA	NA	930	9	921 [Error: < 10 cases or controls]
516	Abnormal s	NA	NA	NA	930	9	921 [Error: < 10 cases or controls]
352	Disorders o	NA	NA	NA	850	9	841 [Error: < 10 cases or controls]
443.8	Other speci	NA	NA	NA	754	9	745 [Error: < 10 cases or controls]
345.1	Epilepsy	NA	NA	NA	832	9	823 [Error: < 10 cases or controls]
703	Diseases of	NA	NA	NA	886	9	877 [Error: < 10 cases or controls]
275.6	Hypercalce	NA	NA	NA	902	9	893 [Error: < 10 cases or controls]

259 Other endo	NA	NA	NA	828	9	819	[Error: < 10 cases or controls]
369.2 Eye infectio	NA	NA	NA	791	9	782	[Error: < 10 cases or controls]
350.1 Abnormal i	NA	NA	NA	892	9	883	[Error: < 10 cases or controls]
681.1 Cellulitis an	NA	NA	NA	831	9	822	[Error: < 10 cases or controls]
803.2 Fracture of	NA	NA	NA	875	9	866	[Error: < 10 cases or controls]
580 Nephritis; r	NA	NA	NA	813	9	804	[Error: < 10 cases or controls]
300.11 Generalizec	NA	NA	NA	720	9	711	[Error: < 10 cases or controls]
840.3 Joint/ligam	NA	NA	NA	820	9	811	[Error: < 10 cases or controls]
601.12 Chronic prc	NA	NA	NA	675	9	666	[Error: < 10 cases or controls]
430 Intracranial	NA	NA	NA	769	9	760	[Error: < 10 cases or controls]
289 Other disea	NA	NA	NA	852	9	843	[Error: < 10 cases or controls]
859 Complicatic	NA	NA	NA	872	9	863	[Error: < 10 cases or controls]
378 Strabismus	NA	NA	NA	811	9	802	[Error: < 10 cases or controls]
228.1 Hemangion	NA	NA	NA	913	9	904	[Error: < 10 cases or controls]
241.1 Nontoxic ur	NA	NA	NA	839	9	830	[Error: < 10 cases or controls]
277.7 Dysmetabo	NA	NA	NA	906	9	897	[Error: < 10 cases or controls]
523 Gingival an	NA	NA	NA	905	9	896	[Error: < 10 cases or controls]
253 Disorders o	NA	NA	NA	828	9	819	[Error: < 10 cases or controls]
361.1 Retinal det	NA	NA	NA	841	9	832	[Error: < 10 cases or controls]
724 Other and t	NA	NA	NA	747	9	738	[Error: < 10 cases or controls]
715 Other inflar	NA	NA	NA	827	9	818	[Error: < 10 cases or controls]
252 Disorders o	NA	NA	NA	828	9	819	[Error: < 10 cases or controls]
362.21 Macular de	NA	NA	NA	832	9	823	[Error: < 10 cases or controls]
509.2 Respiratory	NA	NA	NA	774	9	765	[Error: < 10 cases or controls]
611.1 Abnormal r	NA	NA	NA	920	NA	NA	[Error: non-varying phenotype or genotype]
687 Symptoms i	NA	NA	NA	777	NA	NA	[Error: non-varying phenotype or genotype]
259.3 Delay in se	NA	NA	NA	819	NA	NA	[Error: non-varying phenotype or genotype]
755.6 Other cong	NA	NA	NA	923	NA	NA	[Error: non-varying phenotype or genotype]
620 Dysplasia o	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
164 Cancer of ir	NA	NA	NA	925	NA	NA	[Error: non-varying phenotype or genotype]
614.54 Abscess or	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
384.1 Myringitis	NA	NA	NA	841	NA	NA	[Error: non-varying phenotype or genotype]
525.2 Atrophy of	NA	NA	NA	896	NA	NA	[Error: non-varying phenotype or genotype]

615 Endometriosis	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
41.2 Streptococcal	NA	NA	NA	913	NA	[Error: non-varying phenotype or genotype]
441.2 Chronic vasculitis	NA	NA	NA	745	NA	[Error: non-varying phenotype or genotype]
149.2 Cancer of the nose	NA	NA	NA	922	NA	[Error: non-varying phenotype or genotype]
592.3 Urethral stricture	NA	NA	NA	816	NA	[Error: non-varying phenotype or genotype]
276.8 Polydipsia	NA	NA	NA	806	NA	[Error: non-varying phenotype or genotype]
526.3 Anomalies of the ear	NA	NA	NA	896	NA	[Error: non-varying phenotype or genotype]
159.4 Malignant rhabdomyosarcoma	NA	NA	NA	890	NA	[Error: non-varying phenotype or genotype]
657 Infections of the skin	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
130 Spirochetes	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
117.4 Aspergillosis	NA	NA	NA	831	NA	[Error: non-varying phenotype or genotype]
791 Gangrene	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
521.2 Dental abscess	NA	NA	NA	896	NA	[Error: non-varying phenotype or genotype]
260.1 Cachexia	NA	NA	NA	847	NA	[Error: non-varying phenotype or genotype]
303.1 Dissociative disorder	NA	NA	NA	711	NA	[Error: non-varying phenotype or genotype]
613.1 Inflammatory bowel disease	NA	NA	NA	931	NA	[Error: non-varying phenotype or genotype]
728.2 Laxity of ligaments	NA	NA	NA	711	NA	[Error: non-varying phenotype or genotype]
184.1 Malignant rhabdomyosarcoma	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
988 Toxic effect of drugs	NA	NA	NA	932	NA	[Error: non-varying phenotype or genotype]
174.2 Breast cancer	NA	NA	NA	935	NA	[Error: non-varying phenotype or genotype]
198.5 Secondary hyperparathyroidism	NA	NA	NA	838	NA	[Error: non-varying phenotype or genotype]
130.1 Lyme disease	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
621 Endometriosis	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
619.2 Disorders of the eye	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
446.3 Hypersensitivity	NA	NA	NA	745	NA	[Error: non-varying phenotype or genotype]
958.1 Postoperative	NA	NA	NA	932	NA	[Error: non-varying phenotype or genotype]
446.9 Arteritis	NA	NA	NA	745	NA	[Error: non-varying phenotype or genotype]
626.15 Infertility, female	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
286.13 Congenital	NA	NA	NA	701	NA	[Error: non-varying phenotype or genotype]
446.8 Thrombotic	NA	NA	NA	745	NA	[Error: non-varying phenotype or genotype]
627.22 Need for hormone	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
655 Known or suspected	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
577.2 Chronic paronychia	NA	NA	NA	926	NA	[Error: non-varying phenotype or genotype]

871.3 Open wound	NA	NA	NA	861	NA	[Error: non-varying phenotype or genotype]
709.6 Other specified	NA	NA	NA	793	NA	[Error: non-varying phenotype or genotype]
184 Cancer of oral cavity	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
133 Arthropod-bite and insect	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
756.5 Congenital anomalies of the eye	NA	NA	NA	923	NA	[Error: non-varying phenotype or genotype]
614.53 Cyst or abscess of the skin	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
620.1 Dysplasia of the skin	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
736.1 Acquired dermatitis	NA	NA	NA	854	NA	[Error: non-varying phenotype or genotype]
204.12 Lymphoid leukemia	NA	NA	NA	927	NA	[Error: non-varying phenotype or genotype]
306.1 Mental disorders	NA	NA	NA	711	NA	[Error: non-varying phenotype or genotype]
961 Poisoning by drugs	NA	NA	NA	839	NA	[Error: non-varying phenotype or genotype]
368.91 Psychophysics	NA	NA	NA	859	NA	[Error: non-varying phenotype or genotype]
612.3 Congenital anomalies of the ear, nose and throat	NA	NA	NA	920	NA	[Error: non-varying phenotype or genotype]
150 Cancer of the eye	NA	NA	NA	890	NA	[Error: non-varying phenotype or genotype]
444.2 Embolism and thrombosis	NA	NA	NA	745	NA	[Error: non-varying phenotype or genotype]
614 Inflammatory diseases of the eye	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
278.3 Localized allergic diseases	NA	NA	NA	740	NA	[Error: non-varying phenotype or genotype]
204.22 Myeloid leukemia	NA	NA	NA	927	NA	[Error: non-varying phenotype or genotype]
286.6 Defibrinogenic purpura	NA	NA	NA	701	NA	[Error: non-varying phenotype or genotype]
870.6 Open wound	NA	NA	NA	861	NA	[Error: non-varying phenotype or genotype]
592.21 Urethral syphilis	NA	NA	NA	816	NA	[Error: non-varying phenotype or genotype]
526.1 Cysts of the skin	NA	NA	NA	896	NA	[Error: non-varying phenotype or genotype]
747.2 Congenital anomalies of the ear, nose and throat	NA	NA	NA	877	NA	[Error: non-varying phenotype or genotype]
654.1 Abnormalities of the eye	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
614.52 Vaginitis and cervicitis	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
230 Kaposi's sarcoma	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
270.21 Disorders of the eye	NA	NA	NA	911	NA	[Error: non-varying phenotype or genotype]
305.21 Anorexia nervosa	NA	NA	NA	711	NA	[Error: non-varying phenotype or genotype]
480.3 Pneumonia	NA	NA	NA	789	NA	[Error: non-varying phenotype or genotype]
656.8 Perinatal jaundice	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
31.1 Leprosy	NA	NA	NA	913	NA	[Error: non-varying phenotype or genotype]
527.1 Hypertrophy and hyperplasia	NA	NA	NA	897	NA	[Error: non-varying phenotype or genotype]
729.7 Nontraumatic amputation	NA	NA	NA	711	NA	[Error: non-varying phenotype or genotype]

79.9 Viremia, NC	NA	NA	NA	809	NA	[Error: non-varying phenotype or genotype]
202.2 Non-Hodgk	NA	NA	NA	927	NA	[Error: non-varying phenotype or genotype]
694.3 Vascular dis	NA	NA	NA	797	NA	[Error: non-varying phenotype or genotype]
729.3 Panniculitis	NA	NA	NA	711	NA	[Error: non-varying phenotype or genotype]
941 Adverse re	NA	NA	NA	790	NA	[Error: non-varying phenotype or genotype]
175 Acquired at	NA	NA	NA	930	NA	[Error: non-varying phenotype or genotype]
949.1 Diaper or n	NA	NA	NA	790	NA	[Error: non-varying phenotype or genotype]
327.6 Circadian r	NA	NA	NA	676	NA	[Error: non-varying phenotype or genotype]
756.22 Pectus carir	NA	NA	NA	923	NA	[Error: non-varying phenotype or genotype]
284.1 Pancytoper	NA	NA	NA	889	NA	[Error: non-varying phenotype or genotype]
277.8 Carnitine d	NA	NA	NA	897	NA	[Error: non-varying phenotype or genotype]
383 Otosclerosi	NA	NA	NA	841	NA	[Error: non-varying phenotype or genotype]
187.1 Malignant r	NA	NA	NA	869	NA	[Error: non-varying phenotype or genotype]
519.8 Other disea	NA	NA	NA	891	NA	[Error: non-varying phenotype or genotype]
722.3 Schmorl's n	NA	NA	NA	738	NA	[Error: non-varying phenotype or genotype]
315.1 Learning di	NA	NA	NA	923	NA	[Error: non-varying phenotype or genotype]
385.3 Cholesteatc	NA	NA	NA	841	NA	[Error: non-varying phenotype or genotype]
649.1 Diabetes or	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
772.6 Facial weak	NA	NA	NA	872	NA	[Error: non-varying phenotype or genotype]
702.4 Degenerati	NA	NA	NA	726	NA	[Error: non-varying phenotype or genotype]
81.1 Graft-versu	NA	NA	NA	924	NA	[Error: non-varying phenotype or genotype]
691.1 Ichthyosis c	NA	NA	NA	797	NA	[Error: non-varying phenotype or genotype]
287.32 Secondary i	NA	NA	NA	701	NA	[Error: non-varying phenotype or genotype]
145.1 Cancer of li	NA	NA	NA	922	NA	[Error: non-varying phenotype or genotype]
656.1 Isoimmuniz	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
253.3 Diabetes in	NA	NA	NA	819	NA	[Error: non-varying phenotype or genotype]
334.21 Amyotroph	NA	NA	NA	823	NA	[Error: non-varying phenotype or genotype]
750.5 Congenital	NA	NA	NA	912	NA	[Error: non-varying phenotype or genotype]
983 Toxic effect	NA	NA	NA	932	NA	[Error: non-varying phenotype or genotype]
624.9 stress incor	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
253.11 Acromegaly	NA	NA	NA	819	NA	[Error: non-varying phenotype or genotype]
624.2 Atrophy of	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
259.8 Polyglandul	NA	NA	NA	819	NA	[Error: non-varying phenotype or genotype]

580.11 Proliferativ	NA	NA	NA	804	NA	[Error: non-varying phenotype or genotype]
695.9 Unspecific	NA	NA	NA	797	NA	[Error: non-varying phenotype or genotype]
701.3 Circumscri	NA	NA	NA	844	NA	[Error: non-varying phenotype or genotype]
735.22 Claw toe (a	NA	NA	NA	854	NA	[Error: non-varying phenotype or genotype]
218 Benign neo	NA	NA	NA	908	NA	[Error: non-varying phenotype or genotype]
637 Short gesta	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
363.4 Choroidal d	NA	NA	NA	832	NA	[Error: non-varying phenotype or genotype]
634 Miscarriage	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
386.21 Central orig	NA	NA	NA	772	NA	[Error: non-varying phenotype or genotype]
184.2 Cancer of o	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
218.2 Other beni	NA	NA	NA	908	NA	[Error: non-varying phenotype or genotype]
626.1 Irregular m	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
781.2 Abnormal ç	NA	NA	NA	913	NA	[Error: non-varying phenotype or genotype]
134.1 Intestinal h	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
737.1 Kyphosis (a	NA	NA	NA	854	NA	[Error: non-varying phenotype or genotype]
260.7 Polyphagia	NA	NA	NA	847	NA	[Error: non-varying phenotype or genotype]
580.14 Chronic glo	NA	NA	NA	804	NA	[Error: non-varying phenotype or genotype]
716.8 Palindromic	NA	NA	NA	832	NA	[Error: non-varying phenotype or genotype]
270.1 Disturbanc	NA	NA	NA	911	NA	[Error: non-varying phenotype or genotype]
938.1 Acute derm	NA	NA	NA	790	NA	[Error: non-varying phenotype or genotype]
131 Protozoan i	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
560.2 Impaction c	NA	NA	NA	707	NA	[Error: non-varying phenotype or genotype]
586.11 Small kidne	NA	NA	NA	804	NA	[Error: non-varying phenotype or genotype]
283 Acquired h	NA	NA	NA	889	NA	[Error: non-varying phenotype or genotype]
642 Hypertensic	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
480.11 Pneumococ	NA	NA	NA	789	NA	[Error: non-varying phenotype or genotype]
647.3 Major puer	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
132.1 Pediculosis	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
480.5 Bronchopn	NA	NA	NA	789	NA	[Error: non-varying phenotype or genotype]
291.1 Transient r	NA	NA	NA	846	NA	[Error: non-varying phenotype or genotype]
704.12 Telogen eff	NA	NA	NA	877	NA	[Error: non-varying phenotype or genotype]
359.1 Muscular d	NA	NA	NA	874	NA	[Error: non-varying phenotype or genotype]
618.1 Prolapse of	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]

626.4 Premenstr	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
965.3 Salicylates c	NA	NA	NA	839	NA	[Error: non-varying phenotype or genotype]
324.1 Jakob-Creuz	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
245.1 Thyroiditis, NA	NA	NA	NA	830	NA	[Error: non-varying phenotype or genotype]
611.11 Mammography	NA	NA	NA	920	NA	[Error: non-varying phenotype or genotype]
636.1 Threatened	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
282.8 Other hemor	NA	NA	NA	889	NA	[Error: non-varying phenotype or genotype]
711.1 Pyogenic ar	NA	NA	NA	832	NA	[Error: non-varying phenotype or genotype]
741.5 Hemarthros	NA	NA	NA	823	NA	[Error: non-varying phenotype or genotype]
526.42 Arthralgia/c	NA	NA	NA	896	NA	[Error: non-varying phenotype or genotype]
292.12 Symbolic d	NA	NA	NA	846	NA	[Error: non-varying phenotype or genotype]
385.5 Tympanosc	NA	NA	NA	841	NA	[Error: non-varying phenotype or genotype]
283.21 Hemolytic-i	NA	NA	NA	889	NA	[Error: non-varying phenotype or genotype]
626.2 Dysmenorr	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
816 Cerebral lac	NA	NA	NA	917	NA	[Error: non-varying phenotype or genotype]
627.1 Postmenop	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
721.8 Other alliec	NA	NA	NA	738	NA	[Error: non-varying phenotype or genotype]
750.22 Congenital	NA	NA	NA	912	NA	[Error: non-varying phenotype or genotype]
976 Poisoning b	NA	NA	NA	839	NA	[Error: non-varying phenotype or genotype]
710.2 Periostitis	NA	NA	NA	832	NA	[Error: non-varying phenotype or genotype]
90.2 Gonococcal	NA	NA	NA	935	NA	[Error: non-varying phenotype or genotype]
221 Benign neo	NA	NA	NA	908	NA	[Error: non-varying phenotype or genotype]
752.1 Neural tub	NA	NA	NA	927	NA	[Error: non-varying phenotype or genotype]
656.4 Hemorrhag	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
628 Ovarian cys	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
8.7 Intestinal ir	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
199.4 Neurofibrom	NA	NA	NA	838	NA	[Error: non-varying phenotype or genotype]
622 Polyp of fer	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
750.11 Esophageal	NA	NA	NA	912	NA	[Error: non-varying phenotype or genotype]
145.4 Cancer of tl	NA	NA	NA	922	NA	[Error: non-varying phenotype or genotype]
187.8 Neoplasm c	NA	NA	NA	869	NA	[Error: non-varying phenotype or genotype]
270.31 Polyclonal f	NA	NA	NA	911	NA	[Error: non-varying phenotype or genotype]
965.2 Antirheum	NA	NA	NA	839	NA	[Error: non-varying phenotype or genotype]

789.1 Persistent v	NA	NA	NA	869	NA	[Error: non-varying phenotype or genotype]
984 Toxic effect	NA	NA	NA	932	NA	[Error: non-varying phenotype or genotype]
132 Infestation	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
573.3 Hepatomeg	NA	NA	NA	790	NA	[Error: non-varying phenotype or genotype]
442.8 Aneurysm c	NA	NA	NA	745	NA	[Error: non-varying phenotype or genotype]
731 Osteitis def	NA	NA	NA	830	NA	[Error: non-varying phenotype or genotype]
751.12 Congenital	NA	NA	NA	912	NA	[Error: non-varying phenotype or genotype]
823 Fracture of	NA	NA	NA	855	NA	[Error: non-varying phenotype or genotype]
446.1 Thromboan	NA	NA	NA	745	NA	[Error: non-varying phenotype or genotype]
704.11 Alopecia Ar	NA	NA	NA	877	NA	[Error: non-varying phenotype or genotype]
610.3 Fibrosclero:	NA	NA	NA	920	NA	[Error: non-varying phenotype or genotype]
695.22 Pemphigus	NA	NA	NA	797	NA	[Error: non-varying phenotype or genotype]
377.3 Optic neuroi	NA	NA	NA	802	NA	[Error: non-varying phenotype or genotype]
610.8 Other speci	NA	NA	NA	920	NA	[Error: non-varying phenotype or genotype]
262 Mineral def	NA	NA	NA	847	NA	[Error: non-varying phenotype or genotype]
256.1 Hyperestro	NA	NA	NA	819	NA	[Error: non-varying phenotype or genotype]
281.13 Folate-defic	NA	NA	NA	889	NA	[Error: non-varying phenotype or genotype]
134 Helminthia:	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
365.5 Pseudoexfc	NA	NA	NA	832	NA	[Error: non-varying phenotype or genotype]
910 Superficial i	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
687.3 Changes in	NA	NA	NA	777	NA	[Error: non-varying phenotype or genotype]
972.2 Antilipemic	NA	NA	NA	839	NA	[Error: non-varying phenotype or genotype]
643 Excessive v	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
184.11 Malignant r	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
622.2 Mucous po	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
333.8 Other dege	NA	NA	NA	823	NA	[Error: non-varying phenotype or genotype]
385 Other disor	NA	NA	NA	841	NA	[Error: non-varying phenotype or genotype]
610.2 Fibroadeno	NA	NA	NA	920	NA	[Error: non-varying phenotype or genotype]
180.1 Cervical car	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
626.21 Mittelschm	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
649 Other cond	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
656.2 Respiratory	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
613.9 Breast diso	NA	NA	NA	931	NA	[Error: non-varying phenotype or genotype]



346.3 Nonspecific NA	NA	NA	NA	823 NA	NA	[Error: non-varying phenotype or genotype]
647.1 Infections c NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
41.21 Rheumatic NA	NA	NA	NA	913 NA	NA	[Error: non-varying phenotype or genotype]
264.9 Lack of nori NA	NA	NA	NA	847 NA	NA	[Error: non-varying phenotype or genotype]
289.3 Personal hi: NA	NA	NA	NA	843 NA	NA	[Error: non-varying phenotype or genotype]
795 Other and r NA	NA	NA	NA	932 NA	NA	[Error: non-varying phenotype or genotype]
751.22 Other speci NA	NA	NA	NA	912 NA	NA	[Error: non-varying phenotype or genotype]
264 Lack of nori NA	NA	NA	NA	847 NA	NA	[Error: non-varying phenotype or genotype]
286.12 Congenital NA	NA	NA	NA	701 NA	NA	[Error: non-varying phenotype or genotype]
284 Aplastic ane NA	NA	NA	NA	889 NA	NA	[Error: non-varying phenotype or genotype]
674 Other comf NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
714.2 Juvenile rhe NA	NA	NA	NA	818 NA	NA	[Error: non-varying phenotype or genotype]
960.3 Poisoning b NA	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
79.2 Infectious r NA	NA	NA	NA	809 NA	NA	[Error: non-varying phenotype or genotype]
366.3 Traumatic c NA	NA	NA	NA	784 NA	NA	[Error: non-varying phenotype or genotype]
599.7 Urethral dis NA	NA	NA	NA	752 NA	NA	[Error: non-varying phenotype or genotype]
520.1 Hereditary NA	NA	NA	NA	896 NA	NA	[Error: non-varying phenotype or genotype]
180.3 Cervical int NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
601.8 Other inflar NA	NA	NA	NA	666 NA	NA	[Error: non-varying phenotype or genotype]
499 Cystic fibro: NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
618.6 Vaginal ent NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
285.8 Hemoglobin NA	NA	NA	NA	889 NA	NA	[Error: non-varying phenotype or genotype]
313.2 Tics and stu NA	NA	NA	NA	923 NA	NA	[Error: non-varying phenotype or genotype]
204.3 Monocytic   NA	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
264.2 Failure to tl NA	NA	NA	NA	847 NA	NA	[Error: non-varying phenotype or genotype]
526.8 Exostosis of NA	NA	NA	NA	896 NA	NA	[Error: non-varying phenotype or genotype]
743.22 Pathologic f NA	NA	NA	NA	863 NA	NA	[Error: non-varying phenotype or genotype]
619.1 Noninflamr NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
723.1 Torticollis NA	NA	NA	NA	738 NA	NA	[Error: non-varying phenotype or genotype]
204.4 Multiple m NA	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
303.31 Gastrointes NA	NA	NA	NA	711 NA	NA	[Error: non-varying phenotype or genotype]
624.1 Dystrophy c NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
614.4 Inflammatic NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]

522.1 Pulpitis and NA	NA	NA	NA	896 NA	NA	[Error: non-varying phenotype or genotype]
614.51 Cervicitis ar NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
495.11 Chronic obse NA	NA	NA	NA	782 NA	NA	[Error: non-varying phenotype or genotype]
614.3 Pelvic inflar NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
264.1 Short statui NA	NA	NA	NA	847 NA	NA	[Error: non-varying phenotype or genotype]
795.82 Elevated ca NA	NA	NA	NA	932 NA	NA	[Error: non-varying phenotype or genotype]
710.3 Osteopathy NA	NA	NA	NA	832 NA	NA	[Error: non-varying phenotype or genotype]
634.1 Missed abo NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
283.2 Non-autoin NA	NA	NA	NA	889 NA	NA	[Error: non-varying phenotype or genotype]
325 Phlebitis an NA	NA	NA	NA	929 NA	NA	[Error: non-varying phenotype or genotype]
981 Toxic effect NA	NA	NA	NA	932 NA	NA	[Error: non-varying phenotype or genotype]
381.3 Mastoiditis NA	NA	NA	NA	841 NA	NA	[Error: non-varying phenotype or genotype]
81.11 Acute graft: NA	NA	NA	NA	924 NA	NA	[Error: non-varying phenotype or genotype]
614.1 Pelvic perit: NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
580.13 Acute glom NA	NA	NA	NA	804 NA	NA	[Error: non-varying phenotype or genotype]
635.3 Placenta pr NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
261.1 Vitamin A d NA	NA	NA	NA	847 NA	NA	[Error: non-varying phenotype or genotype]
446.5 Giant cell a NA	NA	NA	NA	745 NA	NA	[Error: non-varying phenotype or genotype]
656.5 Hematologi NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
754.1 Lumbosacr: NA	NA	NA	NA	923 NA	NA	[Error: non-varying phenotype or genotype]
394.3 Aortic valve NA	NA	NA	NA	670 NA	NA	[Error: non-varying phenotype or genotype]
586.12 Vesicouretr NA	NA	NA	NA	804 NA	NA	[Error: non-varying phenotype or genotype]
79.1 Varicella ini NA	NA	NA	NA	809 NA	NA	[Error: non-varying phenotype or genotype]
622.1 Polyp of coi NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
626.11 Absent or ir NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
284.2 Constitutioi NA	NA	NA	NA	889 NA	NA	[Error: non-varying phenotype or genotype]
285.3 Sideroblast NA	NA	NA	NA	889 NA	NA	[Error: non-varying phenotype or genotype]
389.5 Disorders o NA	NA	NA	NA	785 NA	NA	[Error: non-varying phenotype or genotype]
711.2 Reiter's dis: NA	NA	NA	NA	832 NA	NA	[Error: non-varying phenotype or genotype]
313.3 Autism NA	NA	NA	NA	923 NA	NA	[Error: non-varying phenotype or genotype]
627.3 Postmenop NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
749.2 Congenital NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
251.8 Abnormalit NA	NA	NA	NA	819 NA	NA	[Error: non-varying phenotype or genotype]

736.3 Acquired d	NA	NA	NA	854	NA	NA	[Error: non-varying phenotype or genotype]
740.12 Osteoarthr	NA	NA	NA	709	NA	NA	[Error: non-varying phenotype or genotype]
270.38 Other speci	NA	NA	NA	911	NA	NA	[Error: non-varying phenotype or genotype]
254 Diseases of	NA	NA	NA	819	NA	NA	[Error: non-varying phenotype or genotype]
255.22 Mineraloco	NA	NA	NA	819	NA	NA	[Error: non-varying phenotype or genotype]
733.6 Costochonc	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
277.2 Other disor	NA	NA	NA	897	NA	NA	[Error: non-varying phenotype or genotype]
759.1 Anomalies	NA	NA	NA	920	NA	NA	[Error: non-varying phenotype or genotype]
275.2 Disorders o	NA	NA	NA	893	NA	NA	[Error: non-varying phenotype or genotype]
255.3 Adrenogeni	NA	NA	NA	819	NA	NA	[Error: non-varying phenotype or genotype]
174.3 Neoplasm c	NA	NA	NA	935	NA	NA	[Error: non-varying phenotype or genotype]
202.23 Lymphosar	NA	NA	NA	927	NA	NA	[Error: non-varying phenotype or genotype]
627.2 Symptomat	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
634.3 Ectopic pre	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
218.1 Uterine leic	NA	NA	NA	908	NA	NA	[Error: non-varying phenotype or genotype]
962.3 Hormones	NA	NA	NA	839	NA	NA	[Error: non-varying phenotype or genotype]
619 Noninflamr	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
654 Other and	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
625.1 Dyspareuni	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
189.12 Malignant r	NA	NA	NA	911	NA	NA	[Error: non-varying phenotype or genotype]
870.8 Open woun	NA	NA	NA	861	NA	NA	[Error: non-varying phenotype or genotype]
368.7 Disorders o	NA	NA	NA	859	NA	NA	[Error: non-varying phenotype or genotype]
626.13 Irregular m	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
656.26 Transitory t	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
874 Complicatic	NA	NA	NA	861	NA	NA	[Error: non-varying phenotype or genotype]
618.5 Prolapse of	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
626.14 Irregular m	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
756.21 Pectus exca	NA	NA	NA	923	NA	NA	[Error: non-varying phenotype or genotype]
627.5 Premature	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
358.1 Myasthenia	NA	NA	NA	874	NA	NA	[Error: non-varying phenotype or genotype]
286.3 Coagulator	NA	NA	NA	701	NA	NA	[Error: non-varying phenotype or genotype]
614.31 Acute inflar	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
656.22 Interstitial	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]

752 Nervous sys:	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
613.7 Other signs	NA	NA	NA	931 NA	NA	[Error: non-varying phenotype or genotype]
960.1 Adverse eff	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
117.1 Histoplasm	NA	NA	NA	831 NA	NA	[Error: non-varying phenotype or genotype]
536.7 Complicatic	NA	NA	NA	874 NA	NA	[Error: non-varying phenotype or genotype]
753.2 Congenital	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
614.33 Pelvic inflar	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
742.2 Pathologica	NA	NA	NA	823 NA	NA	[Error: non-varying phenotype or genotype]
626.8 Infertility, f	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
653 Problems a	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
300.8 Acute react	NA	NA	NA	711 NA	NA	[Error: non-varying phenotype or genotype]
529.6 Glossodyn:	NA	NA	NA	897 NA	NA	[Error: non-varying phenotype or genotype]
671 Venous/cer	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
301.1 Schizoid pe	NA	NA	NA	711 NA	NA	[Error: non-varying phenotype or genotype]
627.4 Premenopa	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
521.4 Tooth com	NA	NA	NA	896 NA	NA	[Error: non-varying phenotype or genotype]
656.6 Perinatal di	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
751.11 Congenital	NA	NA	NA	912 NA	NA	[Error: non-varying phenotype or genotype]
987 Toxic effect	NA	NA	NA	932 NA	NA	[Error: non-varying phenotype or genotype]
324 Other CNS i	NA	NA	NA	929 NA	NA	[Error: non-varying phenotype or genotype]
446.2 Acute febril	NA	NA	NA	745 NA	NA	[Error: non-varying phenotype or genotype]
512.3 Abnormal c	NA	NA	NA	397 NA	NA	[Error: non-varying phenotype or genotype]
585.31 Renal dialy:	NA	NA	NA	804 NA	NA	[Error: non-varying phenotype or genotype]
446.6 Polyarteriti	NA	NA	NA	745 NA	NA	[Error: non-varying phenotype or genotype]
729.1 Rheumatiz	NA	NA	NA	711 NA	NA	[Error: non-varying phenotype or genotype]
961.1 Poisoning/c	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
261.3 Vitamin C d	NA	NA	NA	847 NA	NA	[Error: non-varying phenotype or genotype]
962.2 Insulins anc	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
971 Poisoning b	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
282.9 Other here	NA	NA	NA	889 NA	NA	[Error: non-varying phenotype or genotype]
344 Other paral	NA	NA	NA	823 NA	NA	[Error: non-varying phenotype or genotype]
741.6 Villonodula	NA	NA	NA	823 NA	NA	[Error: non-varying phenotype or genotype]
722.9 Other and t	NA	NA	NA	738 NA	NA	[Error: non-varying phenotype or genotype]

749.1 Cleft palate NA	NA	NA	NA	827 NA	NA	[Error: non-varying phenotype or genotype]
201 Hodgkin's d NA	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
780 Hypotherm NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
149.1 Cancer of o NA	NA	NA	NA	922 NA	NA	[Error: non-varying phenotype or genotype]
244.3 Iodine hypc NA	NA	NA	NA	830 NA	NA	[Error: non-varying phenotype or genotype]
366.1 Nonsenile C NA	NA	NA	NA	784 NA	NA	[Error: non-varying phenotype or genotype]
966 Poisoning b NA	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
305.2 Eating disor NA	NA	NA	NA	711 NA	NA	[Error: non-varying phenotype or genotype]
977 Personal hi: NA	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
939.1 Contact anc NA	NA	NA	NA	790 NA	NA	[Error: non-varying phenotype or genotype]
792.1 Papanicola NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
272.14 Hyperchyl NA	NA	NA	NA	256 NA	NA	[Error: non-varying phenotype or genotype]
277.1 Disorders o NA	NA	NA	NA	897 NA	NA	[Error: non-varying phenotype or genotype]
627.21 Symptomat NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
286.1 Congenital NA	NA	NA	NA	701 NA	NA	[Error: non-varying phenotype or genotype]
259.4 Precocious NA	NA	NA	NA	819 NA	NA	[Error: non-varying phenotype or genotype]
716.3 Kaschin-Ber NA	NA	NA	NA	832 NA	NA	[Error: non-varying phenotype or genotype]
220 Benign neo NA	NA	NA	NA	911 NA	NA	[Error: non-varying phenotype or genotype]
271.9 Other disor NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
644 Anemia dur NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
957 Injury to ot NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
306.9 Tension he: NA	NA	NA	NA	711 NA	NA	[Error: non-varying phenotype or genotype]
256.4 Polycystic c NA	NA	NA	NA	819 NA	NA	[Error: non-varying phenotype or genotype]
279.8 Other speci NA	NA	NA	NA	890 NA	NA	[Error: non-varying phenotype or genotype]
636.8 Cervical inc NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
750.13 Congenital NA	NA	NA	NA	912 NA	NA	[Error: non-varying phenotype or genotype]
216.1 Screening f NA	NA	NA	NA	803 NA	NA	[Error: non-varying phenotype or genotype]
323.2 Acute (tran NA	NA	NA	NA	929 NA	NA	[Error: non-varying phenotype or genotype]
264.3 Delayed mi NA	NA	NA	NA	847 NA	NA	[Error: non-varying phenotype or genotype]
696.2 Parapsorias NA	NA	NA	NA	797 NA	NA	[Error: non-varying phenotype or genotype]
425.8 Other cardi NA	NA	NA	NA	761 NA	NA	[Error: non-varying phenotype or genotype]
575.1 Cholangitis NA	NA	NA	NA	891 NA	NA	[Error: non-varying phenotype or genotype]
655.1 Abnormalit NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]

258.1 Postablativ	NA	NA	NA	819	NA	NA	[Error: non-varying phenotype or genotype]
270.11 Disturbanc	NA	NA	NA	911	NA	NA	[Error: non-varying phenotype or genotype]
520.2 Disturbanc	NA	NA	NA	896	NA	NA	[Error: non-varying phenotype or genotype]
737.2 Lordosis (ac	NA	NA	NA	854	NA	NA	[Error: non-varying phenotype or genotype]
792 Abnormal F	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
446 Polyarteriti	NA	NA	NA	745	NA	NA	[Error: non-varying phenotype or genotype]
980 Encounter f	NA	NA	NA	928	NA	NA	[Error: non-varying phenotype or genotype]
117.3 Blastomyco	NA	NA	NA	831	NA	NA	[Error: non-varying phenotype or genotype]
350.5 Abnormal r	NA	NA	NA	883	NA	NA	[Error: non-varying phenotype or genotype]
618.2 Uterine/Utr	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
459.7 Blood vess	NA	NA	NA	858	NA	NA	[Error: non-varying phenotype or genotype]
614.32 Chronic infl	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
756.2 Pectus and	NA	NA	NA	923	NA	NA	[Error: non-varying phenotype or genotype]
647 Infectious a	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
180 Cervical car	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
300.2 Generalizec	NA	NA	NA	711	NA	NA	[Error: non-varying phenotype or genotype]
586.1 Anatomical	NA	NA	NA	804	NA	NA	[Error: non-varying phenotype or genotype]
623 Hypertroph	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
627 Menopaus	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
752.2 Other speci	NA	NA	NA	927	NA	NA	[Error: non-varying phenotype or genotype]
753 Congenital	NA	NA	NA	927	NA	NA	[Error: non-varying phenotype or genotype]
283.1 Autoimmur	NA	NA	NA	889	NA	NA	[Error: non-varying phenotype or genotype]
174.11 Malignant r	NA	NA	NA	935	NA	NA	[Error: non-varying phenotype or genotype]
575.9 Nonspecific	NA	NA	NA	891	NA	NA	[Error: non-varying phenotype or genotype]
312.3 Impulse cor	NA	NA	NA	923	NA	NA	[Error: non-varying phenotype or genotype]
736.5 Acquired d	NA	NA	NA	854	NA	NA	[Error: non-varying phenotype or genotype]
182 Malignant r	NA	NA	NA	937	NA	NA	[Error: non-varying phenotype or genotype]
202.21 Nodular lyn	NA	NA	NA	927	NA	NA	[Error: non-varying phenotype or genotype]
343 Infantile ce	NA	NA	NA	823	NA	NA	[Error: non-varying phenotype or genotype]
531.5 Gastrojejun	NA	NA	NA	912	NA	NA	[Error: non-varying phenotype or genotype]
624 Symptoms i	NA	NA	NA	936	NA	NA	[Error: non-varying phenotype or genotype]
724.2 Disorders o	NA	NA	NA	738	NA	NA	[Error: non-varying phenotype or genotype]
750.15 Congenital	NA	NA	NA	912	NA	NA	[Error: non-varying phenotype or genotype]

253.5 Pituitary dv NA	NA	NA	NA	819 NA	NA	[Error: non-varying phenotype or genotype]
751.1 Congenital NA	NA	NA	NA	912 NA	NA	[Error: non-varying phenotype or genotype]
519.2 Respiratory NA	NA	NA	NA	891 NA	NA	[Error: non-varying phenotype or genotype]
619.5 Noninflamr NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
174 Breast canc NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
626 Disorders o NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
636 Early or thr NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
669 Complicatic NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
753.1 Congenital NA	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
625 Pain and ot NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
204.11 Lymphoid l NA	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
716.2 Unspecifec NA	NA	NA	NA	832 NA	NA	[Error: non-varying phenotype or genotype]
614.5 Inflammatic NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
271 Disorders o NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
244.5 Congenital NA	NA	NA	NA	830 NA	NA	[Error: non-varying phenotype or genotype]
626.12 Excessive o NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
480.2 Viral pneun NA	NA	NA	NA	789 NA	NA	[Error: non-varying phenotype or genotype]
704.2 Hirsutism NA	NA	NA	NA	877 NA	NA	[Error: non-varying phenotype or genotype]
973 Poisoning b NA	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
619.4 Noninflamr NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
528.11 Stomatitis ε NA	NA	NA	NA	897 NA	NA	[Error: non-varying phenotype or genotype]
767 Cervicocrar NA	NA	NA	NA	832 NA	NA	[Error: non-varying phenotype or genotype]
90.3 Venereal di NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
656.7 Conditions NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
446.4 Wegener's NA	NA	NA	NA	745 NA	NA	[Error: non-varying phenotype or genotype]
333.3 Tics and ch NA	NA	NA	NA	823 NA	NA	[Error: non-varying phenotype or genotype]
529.1 Glossitis NA	NA	NA	NA	897 NA	NA	[Error: non-varying phenotype or genotype]
31 Diseases du NA	NA	NA	NA	913 NA	NA	[Error: non-varying phenotype or genotype]
374.2 Lagophthal NA	NA	NA	NA	782 NA	NA	[Error: non-varying phenotype or genotype]
942 Infusion an NA	NA	NA	NA	790 NA	NA	[Error: non-varying phenotype or genotype]
654.2 Rhesus isoi NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
571.6 Primary bili NA	NA	NA	NA	790 NA	NA	[Error: non-varying phenotype or genotype]
733.4 Aseptic nec NA	NA	NA	NA	830 NA	NA	[Error: non-varying phenotype or genotype]

530.7 Gastroesop NA	NA	NA	NA	673 NA	NA	[Error: non-varying phenotype or genotype]
656.3 Endocrine ε NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
676 Other disor NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
755.3 Congenital NA	NA	NA	NA	923 NA	NA	[Error: non-varying phenotype or genotype]
270.2 Disorders o NA	NA	NA	NA	911 NA	NA	[Error: non-varying phenotype or genotype]
755.61 Congenital NA	NA	NA	NA	923 NA	NA	[Error: non-varying phenotype or genotype]
286.11 Von willebr NA	NA	NA	NA	701 NA	NA	[Error: non-varying phenotype or genotype]
112.3 Candidiasis NA	NA	NA	NA	831 NA	NA	[Error: non-varying phenotype or genotype]
441.1 Acute vascul NA	NA	NA	NA	745 NA	NA	[Error: non-varying phenotype or genotype]
255.13 Medulloadr NA	NA	NA	NA	819 NA	NA	[Error: non-varying phenotype or genotype]
250.21 Type 2 diab NA	NA	NA	NA	665 NA	NA	[Error: non-varying phenotype or genotype]
260.21 Kwashiorko NA	NA	NA	NA	847 NA	NA	[Error: non-varying phenotype or genotype]
300.13 Phobia NA	NA	NA	NA	711 NA	NA	[Error: non-varying phenotype or genotype]
569.1 Toxic gastrc NA	NA	NA	NA	838 NA	NA	[Error: non-varying phenotype or genotype]
636.3 Hemorrhag NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
619.3 Noninflamr NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
646 Other comf NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
528.7 Sialolithiasi NA	NA	NA	NA	897 NA	NA	[Error: non-varying phenotype or genotype]
270.12 Phenylketo NA	NA	NA	NA	911 NA	NA	[Error: non-varying phenotype or genotype]
755.4 Congenital NA	NA	NA	NA	923 NA	NA	[Error: non-varying phenotype or genotype]
520 Disorders o NA	NA	NA	NA	896 NA	NA	[Error: non-varying phenotype or genotype]
975 Poisoning b NA	NA	NA	NA	839 NA	NA	[Error: non-varying phenotype or genotype]
315.2 Speech and NA	NA	NA	NA	923 NA	NA	[Error: non-varying phenotype or genotype]
145.5 Cancer of tl NA	NA	NA	NA	922 NA	NA	[Error: non-varying phenotype or genotype]
202 Cancer of o NA	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
386.3 Labyrinthiti NA	NA	NA	NA	772 NA	NA	[Error: non-varying phenotype or genotype]
452.8 Postphlebit NA	NA	NA	NA	707 NA	NA	[Error: non-varying phenotype or genotype]
610.1 Cystic mast NA	NA	NA	NA	920 NA	NA	[Error: non-varying phenotype or genotype]
204.1 Lymphoid l NA	NA	NA	NA	927 NA	NA	[Error: non-varying phenotype or genotype]
635 Hemorrhag NA	NA	NA	NA	936 NA	NA	[Error: non-varying phenotype or genotype]
749 Congenital NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
612.1 Galactorrhε NA	NA	NA	NA	920 NA	NA	[Error: non-varying phenotype or genotype]
642.1 Preeclamps NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]



706.3	Seborrhea	NA	NA	NA	839	NA	[Error: non-varying phenotype or genotype]
280.2	Iron deficie	NA	NA	NA	889	NA	[Error: non-varying phenotype or genotype]
609.1	Infertility, n	NA	NA	NA	635	NA	[Error: non-varying phenotype or genotype]
952	Spinal cord	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
81.12	Chronic gra	NA	NA	NA	924	NA	[Error: non-varying phenotype or genotype]
513.31	Apnea	NA	NA	NA	905	NA	[Error: non-varying phenotype or genotype]
527.8	Other speci	NA	NA	NA	897	NA	[Error: non-varying phenotype or genotype]
731.1	Osteitis def	NA	NA	NA	830	NA	[Error: non-varying phenotype or genotype]
635.2	Antepartun	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
271.3	Intestinal d	NA	NA	NA	935	NA	[Error: non-varying phenotype or genotype]
686.5	Pyoderma	NA	NA	NA	822	NA	[Error: non-varying phenotype or genotype]
609.11	Azoosperm	NA	NA	NA	635	NA	[Error: non-varying phenotype or genotype]
752.11	Spina bifida	NA	NA	NA	927	NA	[Error: non-varying phenotype or genotype]
741.1	Ankylosis o	NA	NA	NA	823	NA	[Error: non-varying phenotype or genotype]
117.2	Coccidioido	NA	NA	NA	831	NA	[Error: non-varying phenotype or genotype]
250.11	Type 1 diab	NA	NA	NA	665	NA	[Error: non-varying phenotype or genotype]
149.3	Cancer of h	NA	NA	NA	922	NA	[Error: non-varying phenotype or genotype]
695.81	Erythema n	NA	NA	NA	797	NA	[Error: non-varying phenotype or genotype]
334.2	Anterior ho	NA	NA	NA	823	NA	[Error: non-varying phenotype or genotype]
287.2	Allergic pur	NA	NA	NA	701	NA	[Error: non-varying phenotype or genotype]
174.1	Breast canc	NA	NA	NA	935	NA	[Error: non-varying phenotype or genotype]
537.1	Lesions of s	NA	NA	NA	874	NA	[Error: non-varying phenotype or genotype]
643.1	Hyperemes	NA	NA	NA	937	NA	[Error: non-varying phenotype or genotype]
500.2	Pneumocor	NA	NA	NA	765	NA	[Error: non-varying phenotype or genotype]
204.21	Myeloid leu	NA	NA	NA	927	NA	[Error: non-varying phenotype or genotype]
202.24	Large cell ly	NA	NA	NA	927	NA	[Error: non-varying phenotype or genotype]
8.51	Intestinal e	NA	NA	NA	929	NA	[Error: non-varying phenotype or genotype]
480.12	Pseudomor	NA	NA	NA	789	NA	[Error: non-varying phenotype or genotype]
636.2	Early onset	NA	NA	NA	936	NA	[Error: non-varying phenotype or genotype]
38.2	Gram positi	NA	NA	NA	913	NA	[Error: non-varying phenotype or genotype]
159.3	Malignant r	NA	NA	NA	890	NA	[Error: non-varying phenotype or genotype]
202.22	Reticulosar	NA	NA	NA	927	NA	[Error: non-varying phenotype or genotype]
446.7	Takayasu's	NA	NA	NA	745	NA	[Error: non-varying phenotype or genotype]

448 Disease of rNA

NA

NA

NA

745 NA

NA

[Error: non-varying phenotype or genotype]

**Supplemental Table E4**

phecode	description	lower	upper	OR	p	n_total	n_cases	n_controls	note
415	Pulmonary	1.668354	2.645977	2.09343	3.21E-10	993	90	903	
415.2	Chronic pul	1.648521	2.665195	2.087752	1.80E-09	982	79	903	
627.2	Symptomat	0.37937	0.614651	0.486179	4.58E-09	859	196	663	
627	Menopausa	0.43392	0.658347	0.537176	5.04E-09	932	269	663	
415.21	Primary pul	1.631216	3.082409	2.223024	7.74E-07	937	34	903	
278.1	Obesity	1.321642	1.944324	1.598217	1.89E-06	977	146	831	
278	Overweight	1.281752	1.814705	1.521106	2.20E-06	1031	200	831	
428.1	Congestive	1.310367	1.935647	1.587917	3.13E-06	907	130	777	
496	Chronic air	1.312639	1.96786	1.602981	4.35E-06	951	97	854	
509	Respiratory	1.466768	2.611963	1.936734	6.20E-06	972	37	935	
278.11	Morbid obe	1.349526	2.270363	1.736597	3.07E-05	895	64	831	
428	Congestive	1.213059	1.747449	1.4535	5.46E-05	939	162	777	
509.1	Respiratory	1.380188	2.562758	1.861869	5.96E-05	962	27	935	
416	Cardiomega	1.272268	2.027732	1.605636	6.08E-05	986	83	903	
198.6	Secondary i	1.414907	3.149048	2.084818	0.000168	977	11	966	
508	Pulmonary	1.184359	1.808089	1.467252	0.000329	1027	92	935	
197	Chemother	1.278129	2.478402	1.78897	0.000361	987	21	966	
726	Peripheral c	0.575034	0.854831	0.704845	0.000545	917	225	692	
512.7	Shortness c	1.143139	1.610795	1.352129	0.000558	777	364	413	
198	Secondary i	1.237855	2.315289	1.704654	0.000574	992	26	966	
276.6	Fluid overlc	1.312346	3.017012	1.997639	0.0006	868	10	858	
627.21	Symptomat	0.141264	0.57885	0.298763	0.00078	688	25	663	
687.4	Disturbanc	0.47145	0.820246	0.627614	0.000979	904	118	786	
198.1	Secondary i	1.229414	2.754428	1.874738	0.001286	977	11	966	
513	Respiratory	1.201384	2.373778	1.710594	0.001311	1080	19	1061	
173	Neoplasm c	0.472067	0.828871	0.631499	0.001379	977	112	865	
745	Pain in joint	0.67118	0.907695	0.782728	0.001455	1018	475	543	
512.9	Other dyspi	1.127972	1.679649	1.372776	0.001777	624	211	413	
585.1	Acute renal	1.179755	2.386538	1.713372	0.001788	998	16	982	
585	Renal failur	1.141867	1.880226	1.47712	0.001807	1034	52	982	
627.22	Need for Hc	0.242498	0.712278	0.427622	0.002008	697	34	663	

743 Osteoporos	0.619716	0.896273	0.748043	0.002039	1026	306	720
595 Hydroneph	0.066825	0.52261	0.199913	0.002152	1063	14	1049
41 Bacterial in	1.144799	2.198256	1.623341	0.002753	1077	24	1053
611.3 Lump or ma	0.441868	0.834853	0.614934	0.002764	908	88	820
250 Diabetes m	1.097108	1.574791	1.313992	0.002889	974	165	809
340 Migraine	0.443464	0.836675	0.616956	0.002902	1054	87	967
994 Sepsis and	1.187673	2.96385	1.945143	0.003064	1101	11	1090
702 Degenerati	0.580124	0.890712	0.723296	0.003072	994	189	805
994.2 Sepsis	1.175078	2.985005	1.944674	0.003525	1100	10	1090
250.2 Type 2 diab	1.089611	1.567482	1.306685	0.003713	971	162	809
465 Acute uppe	0.594138	0.899989	0.735855	0.00381	897	192	705
286.2 Encounter f	1.092481	1.644728	1.346546	0.004089	1033	115	918
743.11 Osteoporos	0.536109	0.884397	0.693625	0.004152	868	148	720
470 Septal Devi	0.34215	0.803501	0.535783	0.004198	720	50	670
216 Benign neo	0.511013	0.875139	0.67529	0.004265	979	113	866
427.9 Palpitations	0.651324	0.922156	0.777512	0.004498	801	384	417
761 Cervicalgia	0.573002	0.897934	0.722337	0.004563	1041	163	878
389.1 Sensorineu	0.452758	0.857492	0.630525	0.004649	996	87	909
854 Complicatic	1.108602	2.136038	1.575249	0.004958	1061	22	1039
743.9 Osteopenia	0.573085	0.901869	0.723348	0.005113	904	184	720
395 Heart valve	1.076656	1.535086	1.285824	0.005179	940	180	760
366.2 Senile catar	0.530729	0.889618	0.692474	0.005306	1027	133	894
611 Abnormal f	0.592335	0.908488	0.738265	0.005442	1003	183	820
420 Carditis	1.097809	1.913794	1.469771	0.005443	1013	37	976
728.7 Fasciitis	0.276034	0.784643	0.47933	0.005877	726	34	692
288 Diseases of	1.096503	2.013955	1.512886	0.005967	994	27	967
574 Cholelithias	1.093493	1.983553	1.500851	0.0062	1076	32	1044
300.1 Anxiety disc	0.554631	0.902614	0.712673	0.006402	838	156	682
496.1 Emphysem:	1.081651	2.064019	1.530113	0.007601	877	23	854
507 Pleurisy; pl	1.078821	1.836903	1.427164	0.007782	984	49	935
394 Rheumatic	1.099181	2.00994	1.493683	0.007919	808	48	760
610 Benign mar	0.427078	0.867393	0.618571	0.007971	888	68	820
465.2 Acute phan	0.435822	0.87034	0.626055	0.008055	775	70	705

510 Other disea	1.067477	1.62906	1.326516	0.008119	1092	93	999
512 Other symp	1.058838	1.446349	1.233966	0.008173	1005	592	413
743.1 Osteoporos	0.583816	0.919542	0.737041	0.008454	897	177	720
727.1 Synovitis ar	0.411951	0.865623	0.607239	0.008516	752	60	692
300 Anxiety, ph	0.589795	0.923005	0.7423	0.009101	866	184	682
573.7 Abnormal r	0.376862	0.861321	0.580474	0.009995	976	54	922
495.1 Chronic obs	1.06866	2.52961	1.712389	0.01016	865	11	854
574.1 Cholelithias	1.065723	2.007566	1.497854	0.010285	1072	28	1044
562.1 Diverticulo	0.581001	0.927464	0.739715	0.011564	923	149	774
476 Allergic rhir	0.628586	0.939479	0.772674	0.011853	875	205	670
610.1 Cystic mast	0.396448	0.876491	0.601271	0.012132	874	54	820
420.2 Pericarditis	1.051693	2.028777	1.500066	0.012671	1000	24	976
415.11 Pulmonary	1.056021	3.033826	1.863144	0.012754	913	10	903
702.2 Seborrheic	0.586916	0.932686	0.745366	0.012919	1006	154	852
394.7 Disease of t	1.070762	2.308333	1.594009	0.013516	784	24	760
38 Septicemia	1.056433	2.83326	1.820365	0.014109	1064	11	1053
395.1 Nonrheum	1.044299	1.574636	1.286017	0.015271	871	111	760
571.8 Liver absce	1.041209	2.716135	1.759243	0.01545	932	10	922
594.3 Calculus of	0.142609	0.779117	0.352648	0.016413	1065	16	1049
253 Disorders o	1.030589	2.091978	1.515182	0.01701	971	17	954
571.51 Cirrhosis of	1.040065	2.288348	1.58892	0.017114	939	17	922
366 Cataract	0.591917	0.944801	0.752679	0.017273	1053	159	894
288.2 Elevated wl	1.029227	2.242525	1.569395	0.017318	981	14	967
916 Contusion	1.039277	1.772062	1.376438	0.017554	1055	54	1001
276.5 Hypovolem	1.036965	1.844481	1.405497	0.017956	902	44	858
585.3 Chronic ren	1.034274	1.914024	1.435718	0.018247	1015	33	982
599.3 Dysuria	0.573964	0.942947	0.742027	0.01857	905	134	771
389 Hearing los	0.578374	0.945332	0.745428	0.019161	1043	134	909
627.3 Postmenop	0.373727	0.898763	0.592354	0.019381	706	43	663
261.4 Vitamin D c	0.620673	0.954119	0.775037	0.020264	1003	173	830
259 Other endo	0.214428	0.849327	0.447115	0.022181	976	22	954
418 Nonspecific	0.733137	0.976691	0.847197	0.023019	1011	600	411
331 Other cerek	1.003084	2.373539	1.615751	0.023538	916	15	901

272.13 Mixed hype	0.651764	0.965143	0.79733	0.023699	689	299	390
428.3 Heart failur	1.02632	1.885913	1.407752	0.024893	822	45	777
938 Dermatitis	0.244307	0.875033	0.482726	0.025475	890	24	866
938.2 Chronic der	0.236565	0.876776	0.476359	0.026668	889	23	866
743.12 Senile osteo	0.449407	0.940404	0.660511	0.027667	781	61	720
386.9 Dizziness ar	0.64541	0.969723	0.796127	0.028247	985	190	795
727 Other disor	0.586475	0.961987	0.758014	0.028369	817	125	692
785 Abdominal	0.707289	0.978073	0.834944	0.029024	1026	318	708
593.2 Microscopic	0.229534	0.882167	0.471752	0.029309	772	22	750
707 Chronic ulc	0.985966	2.247814	1.558687	0.029678	1094	17	1077
415.1 Acute pulm	0.968982	2.681127	1.696804	0.029854	914	11	903
562 Diverticulosis	0.624313	0.97218	0.784735	0.032035	931	157	774
386.1 Meniere's c	0.123264	0.84377	0.3491	0.032304	807	12	795
327.32 Obstructive	1.010902	1.58404	1.272717	0.032956	894	74	820
261 Vitamin def	0.653489	0.976321	0.803763	0.033031	1027	197	830
195 Cancer, sus	0.98274	2.664968	1.695294	0.033891	980	14	966
367 Disorders o	0.518743	0.962489	0.715975	0.034465	1071	82	989
495.2 Asthma wit	0.979379	1.992165	1.446777	0.035064	875	21	854
367.1 Myopia	0.416922	0.949155	0.642613	0.035491	1038	49	989
912 Insect bite	0.138998	0.872022	0.372812	0.035677	1054	13	1041
208 Benign neo	0.640378	0.978677	0.796985	0.036111	1071	175	896
458.9 Hypotensio	0.987892	1.860674	1.391909	0.036296	1016	30	986
380.1 Otitis exteri	0.118918	0.877879	0.351615	0.040814	1017	11	1006
172.21 Basal cell ca	0.185842	0.912733	0.436307	0.041637	881	16	865
351 Other perip	0.535243	0.976359	0.732679	0.042982	1003	84	919
798 Malaise anc	0.738218	0.99348	0.858466	0.043596	990	449	541
709 Diffuse dise	0.977033	1.84337	1.373928	0.044014	891	27	864
475 Chronic sinu	0.523542	0.987161	0.729461	0.051477	744	74	670
292.2 Mild cognit	0.167058	0.944102	0.42444	0.051962	957	13	944
280.1 Iron deficie	0.954014	1.906391	1.394292	0.052063	1001	22	979
327.3 Sleep apnea	0.990767	1.514477	1.230912	0.052335	911	91	820
726.1 Enthesopat	0.607423	0.995118	0.784777	0.054519	809	117	692
611.1 Abnormal r	0.629923	0.996543	0.798883	0.055228	962	142	820

292 Neurologic	0.572152	0.996934	0.762991	0.056536	1046	102	944
760 Back pain	0.722415	1.001839	0.853295	0.056999	1017	328	689
280 Iron defic	0.946493	1.895168	1.38624	0.057637	1002	23	979
414 Other form	0.971529	1.660968	1.289609	0.059147	743	54	689
428.4 Heart failur	0.972191	1.760414	1.324884	0.060039	828	51	777
947 Urticaria	0.240856	0.973904	0.5117	0.061292	885	19	866
509.2 Respiratory	0.891733	2.321523	1.530989	0.062612	945	10	935
765 Cervical rac	0.364232	1.000335	0.624565	0.069202	941	32	909
276.14 Hypopotas	0.964948	1.685803	1.290014	0.070039	918	60	858
244.4 Hypothyroi	0.983591	1.365219	1.16065	0.073354	964	234	730
381.1 Otitis medi	0.271619	1.013122	0.548414	0.074637	938	20	918
297 Suicidal ide	0.877639	2.864319	1.688728	0.07468	692	10	682
276 Disorders o	0.978643	1.415655	1.181536	0.074899	1023	165	858
272.11 Hyperchole	0.664387	1.012924	0.826099	0.075785	616	226	390
381 Otitis medi	0.536399	1.015522	0.7488	0.076355	991	73	918
442.11 Abdominal	0.866332	2.443356	1.568656	0.077273	925	11	914
411.1 Unstable ar	0.963378	1.605256	1.254046	0.078822	765	76	689
174 Breast canc	0.961986	1.552306	1.236383	0.079234	983	70	913
174.11 Malignant r	0.960357	1.565651	1.241726	0.07948	979	66	913
174.1 Breast canc	0.960357	1.565651	1.241726	0.07948	979	66	913
599 Other symp	0.715123	1.014579	0.855583	0.080421	1034	263	771
374.3 Ptosis of ey	0.24426	1.02405	0.52738	0.080757	896	18	878
389.4 Tinnitus	0.36741	1.021663	0.633526	0.081498	940	31	909
172.1 Melanomas	0.888896	2.082945	1.439767	0.081827	878	13	865
733 Other disor	0.251266	1.025401	0.535503	0.083657	918	18	900
506 Empyema a	0.847856	2.268913	1.502977	0.087444	945	10	935
626.1 Irregular m	0.553793	1.021957	0.76532	0.087805	737	74	663
292.3 Memory lo	0.476904	1.032106	0.714039	0.087818	997	53	944
244 Hypothyroi	0.976511	1.348612	1.149345	0.089388	973	243	730
447.7 Aortic ectas	0.88122	2.03189	1.414959	0.090246	928	14	914
427.2 Atrial fibrill	0.972058	1.404741	1.170074	0.092419	606	189	417
452 Other veno	0.916154	1.805933	1.327947	0.09437	889	28	861
455 Hemorrhoid	0.512436	1.032929	0.740698	0.0944	924	63	861

783	Fever of un	0.503291	1.035763	0.735074	0.095741	1066	59	1007
840.2	Rotator cuff	0.20161	1.059449	0.494991	0.097997	911	14	897
379.2	Disorders o	0.522725	1.039636	0.748287	0.098611	959	63	896
625	Pain and ot	0.429338	1.041285	0.687583	0.098829	1016	39	977
433.1	Occlusion a	0.55658	1.036962	0.769515	0.099231	961	81	880
614	Inflammatc	0.417346	1.043716	0.679249	0.099523	1059	37	1022
395.2	Nonrheumc	0.942739	1.651889	1.260981	0.101772	821	61	760
371	Inflammati	0.559585	1.044048	0.773927	0.107566	957	79	878
702.1	Actinic kera	0.566778	1.043546	0.779164	0.109497	932	80	852
411.4	Coronary ar	0.967169	1.349515	1.143805	0.112476	943	254	689
464	Acute sinus	0.668569	1.034119	0.838252	0.113008	854	149	705
743.13	Other speci	0.477927	1.053925	0.725843	0.113019	767	47	720
626.13	Irregular m	0.42951	1.051644	0.695039	0.113908	699	36	663
411	Ischemic Hc	0.969466	1.32234	1.132773	0.114256	1013	324	689
585.33	Chronic Kid	0.876127	1.95885	1.372944	0.11504	1003	21	982
722	Interverteb	0.664107	1.037496	0.836739	0.117696	938	141	797
694	Dyschromic	0.46042	1.056926	0.716364	0.117721	929	42	887
428.2	Heart failur	0.914438	1.759839	1.292446	0.119298	819	42	777
374	Other disor	0.528133	1.057741	0.759008	0.120148	940	62	878
764	Sciatica	0.313951	1.081012	0.611429	0.121451	930	21	909
593	Hematuria	0.574606	1.049366	0.787785	0.121466	832	82	750
433.6	Acute, but i	0.387644	1.077364	0.667511	0.122334	910	30	880
618.5	Prolapse of	0.210857	1.116998	0.520132	0.125272	1056	13	1043
480	Pneumonia	0.9331	1.580862	1.2273	0.125573	907	70	837
427.3	Other speci	0.630768	1.046843	0.820609	0.125772	534	117	417
626	Disorders o	0.597697	1.048141	0.803516	0.12746	747	84	663
723	Other disor	0.231969	1.108388	0.543323	0.128324	811	14	797
318	Tobacco us	0.941175	1.460977	1.182481	0.131225	1069	90	979
496.2	Chronic brc	0.890949	1.758382	1.293527	0.13261	887	33	854
714.1	Rheumatoi	0.890605	1.806197	1.308696	0.1337	956	31	925
840	Sprains and	0.613617	1.052504	0.813342	0.134222	994	97	897
427.22	Atrial flutte	0.923408	1.574706	1.221825	0.135474	470	53	417
401.21	Hypertensin	0.538531	1.066798	0.770687	0.136409	406	88	318



747.12	Valvular he	0.826183	2.094929	1.395148	0.136734	1039	10	1029
792	Abnormal F	0.490975	1.069922	0.743027	0.136972	959	50	909
296.1	Bipolar	0.859078	2.022831	1.364944	0.140123	701	19	682
316	Substance a	0.824721	1.985162	1.369042	0.140166	991	12	979
716.9	Arthropath	0.915503	1.60095	1.232269	0.140619	970	56	914
375.1	Dry eyes	0.580456	1.064991	0.796201	0.141759	974	78	896
704.1	Alopecia	0.415373	1.089187	0.695454	0.142347	1033	32	1001
317	Alcohol-rela	0.790164	2.217912	1.44766	0.142618	989	10	979
792.1	Papanicola	0.4577	1.079681	0.724873	0.144249	950	41	909
411.8	Other chroi	0.920254	1.582215	1.221033	0.144936	754	65	689
250.41	Impaired fa	0.411143	1.09608	0.693267	0.145571	843	34	809
379	Other disor	0.563613	1.071389	0.787831	0.146165	966	70	896
694.2	Other dyscl	0.463161	1.084217	0.729135	0.148054	926	39	887
352.1	Trigeminal	0.165252	1.169787	0.484408	0.148739	929	10	919
850	Hemorrhag	0.165723	1.187624	0.484626	0.149329	1049	10	1039
327	Sleep disor	0.684731	1.050121	0.85461	0.150171	979	159	820
211	Benign neo	0.300683	1.127675	0.614424	0.15145	1082	19	1063
381.2	Eustachian	0.508244	1.08325	0.75769	0.152266	968	50	918
458	Hypotensio	0.913065	1.543439	1.206703	0.156442	1045	59	986
722.6	Degenerati	0.65281	1.059373	0.839456	0.15715	914	117	797
285	Other anen	0.9048	1.583708	1.220837	0.157562	1029	50	979
578.2	Blood in stc	0.890987	1.64293	1.241374	0.160991	943	39	904
611.11	Mammogra	0.403058	1.11529	0.694321	0.162179	849	29	820
374.6	Dermatoch	0.483868	1.101756	0.745804	0.16299	922	44	878
539	Bariatric su	0.846502	1.816146	1.300535	0.165151	1099	20	1079
327.4	Insomnia	0.609887	1.072157	0.81864	0.165401	913	93	820
564.1	Irritable Bo	0.516178	1.090131	0.76687	0.165558	825	51	774
715.1	Sacroiliitis	0.242497	1.167067	0.572025	0.167364	939	14	925
737	Curvature c	0.277478	1.163431	0.602893	0.168891	947	17	930
627.1	Postmenop	0.450063	1.109753	0.728191	0.170844	696	33	663
714	Rheumatoi	0.891313	1.640168	1.235891	0.171857	971	46	925
613.5	Mastodynai	0.406846	1.120356	0.700839	0.172267	999	29	970
443.9	Peripheral	0.880836	1.68515	1.250668	0.173849	953	39	914

371.3 Inflammation	0.416879	1.135249	0.709052	0.179294	909	31	878
599.5 Frequency of	0.635649	1.073944	0.835674	0.180468	874	103	771
386 Vertiginous	0.508709	1.100781	0.767154	0.180604	841	46	795
626.11 Absent or irregular	0.274892	1.154028	0.608976	0.181311	679	16	663
790.6 Other abnormal	0.550666	1.093534	0.790991	0.18232	1011	60	951
189 Cancer of uterus	0.197815	1.229766	0.535891	0.184042	1100	11	1089
704 Diseases of	0.475594	1.114762	0.748721	0.185814	1040	39	1001
371.2 Conjunctivitis	0.493631	1.116444	0.758859	0.18602	922	44	878
368 Visual disturbance	0.537392	1.100502	0.784572	0.186391	1057	55	1002
681.1 Cellulitis and	0.279219	1.19194	0.612119	0.187505	959	16	943
272.1 Hyperlipidemia	0.778936	1.049872	0.905009	0.188436	1043	653	390
362.4 Retinal vascular	0.787993	2.075159	1.375363	0.188933	965	13	952
721.1 Spondylosis	0.671059	1.07034	0.855553	0.190752	919	122	797
771.2 Cramp of limb	0.216901	1.232387	0.560662	0.194581	984	12	972
798.1 Chronic fatigue	0.278507	1.197561	0.616249	0.195112	556	15	541
427 Cardiac dysfunction	0.787677	1.049573	0.909804	0.195172	1005	588	417
628 Ovarian cysts	0.387661	1.14465	0.697753	0.195794	687	24	663
571.5 Other chronic	0.898691	1.538463	1.190805	0.197747	983	61	922
599.9 Other abnormal	0.520193	1.110406	0.778662	0.197835	819	48	771
571 Chronic liver	0.901773	1.520871	1.184789	0.198785	988	66	922
695.3 Rosacea	0.36872	1.158503	0.684894	0.198976	909	22	887
440.9 Atherosclerosis	0.829685	1.883072	1.304414	0.200691	939	25	914
701.2 Scar condition	0.357729	1.171543	0.677454	0.200866	975	22	953
577 Diseases of	0.184156	1.25873	0.532794	0.203077	1101	10	1091
272 Disorders of	0.782748	1.053326	0.908633	0.204303	1047	657	390
735 Acquired for	0.601687	1.095821	0.823456	0.205175	1007	77	930
426.24 Atrioventricular	0.85305	1.775274	1.260987	0.205237	445	28	417
352 Disorders of	0.318903	1.193182	0.652654	0.208215	937	18	919
381.11 Suppurative	0.27276	1.239758	0.619162	0.217296	932	14	918
690.1 Seborrheic	0.210824	1.254533	0.56787	0.217509	897	10	887
721 Spondylosis	0.688976	1.077454	0.869233	0.219638	929	132	797
737.3 Kyphoscoliosis	0.279003	1.23031	0.626065	0.219717	945	15	930
514 Abnormal function	0.856898	1.653194	1.22651	0.219908	1067	36	1031

371.21 Allergic con	0.485885	1.144504	0.764303	0.220007	917	39	878
614.5 Inflammatic	0.440841	1.155719	0.739264	0.222032	1053	31	1022
79 Viral infecti	0.373849	1.166833	0.697693	0.222105	933	22	911
738 Other acqu	0.409451	1.169933	0.719877	0.222945	957	27	930
613 Other nonn	0.604996	1.102723	0.829615	0.224175	1045	75	970
771.1 Swelling of	0.877882	1.559106	1.193403	0.225207	1025	53	972
242 Thyrotoxicc	0.84578	1.684882	1.233428	0.22565	762	32	730
78 Viral warts	0.41787	1.166282	0.726153	0.225767	938	27	911
300.9 Posttrauma	0.719248	2.397298	1.430388	0.226955	692	10	682
427.8 Sinoatrial n	0.894508	1.503635	1.171577	0.228354	496	79	417
286.8 Hypercoagu	0.718053	2.433144	1.44483	0.231912	929	11	918
690 Erythematc	0.237433	1.265484	0.599176	0.23411	898	11	887
772.2 Spasm of m	0.487726	1.145944	0.770329	0.234559	984	38	946
701 Other hype	0.605627	1.10942	0.832415	0.236417	1026	73	953
592 Cystitis and	0.32193	1.222777	0.667995	0.23856	766	16	750
394.2 Mitral valve	0.735619	2.210011	1.377196	0.242263	772	12	760
447 Other disor	0.800302	1.80815	1.268709	0.244864	934	20	914
681.5 Cellulitis an	0.756653	2.05254	1.339308	0.245158	957	14	943
427.12 Paroxysmal	0.865219	1.579207	1.19238	0.245648	460	43	417
348.9 Other cond	0.824628	1.706429	1.23515	0.246471	927	26	901
401.22 Hypertensi	0.772144	1.943403	1.299399	0.247795	332	14	318
338.1 Acute pain	0.841923	1.628985	1.209767	0.250681	1034	33	1001
735.3 Hallux valg	0.422382	1.192376	0.737515	0.252919	956	26	930
296 Mood disor	0.926922	1.31125	1.105689	0.253375	879	197	682
592.1 Cystitis	0.313877	1.246029	0.667885	0.25354	765	15	750
790 Nonspecific	0.312529	1.24816	0.666094	0.255478	967	16	951
622.2 Mucous po	0.213851	1.32221	0.585815	0.255617	1069	10	1059
350.2 Abnormalit	0.499644	1.170356	0.782675	0.260244	1043	41	1002
475.9 Postnasal d	0.248377	1.295893	0.619384	0.260527	681	11	670
472 Chronic pha	0.555368	1.140497	0.813186	0.261027	720	50	670
433 Cerebrovas	0.724402	1.083887	0.891338	0.263306	1066	186	880
427.21 Atrial fibrill	0.916696	1.357691	1.11726	0.265873	599	182	417
426.7 Abnormal e	0.600686	1.126834	0.836497	0.266207	483	66	417

427.61	Supraventri	0.274473	1.274119	0.650491	0.273532	430	13	417
244.2	Acquired hy	0.75514	1.970394	1.301485	0.275754	746	16	730
427.7	Tachycardia	0.678358	1.105447	0.873766	0.278082	534	117	417
193	Thyroid car	0.717367	2.086758	1.335264	0.279659	1069	12	1057
495	Asthma	0.891178	1.402118	1.129886	0.288042	955	101	854
348.2	Cerebral ed	0.695561	2.085036	1.331563	0.293698	912	11	901
426.2	Atrioventric	0.843441	1.609255	1.185691	0.295542	459	42	417
594.1	Calculus of	0.521061	1.174605	0.804821	0.298224	1090	41	1049
251	Other disor	0.692141	2.178935	1.349461	0.299631	965	11	954
532	Dysphagia	0.872083	1.452061	1.142598	0.301729	760	69	691
433.2	Occlusion o	0.583501	1.15334	0.835566	0.303251	939	59	880
70	Viral hepati	0.718828	1.917686	1.280103	0.304995	922	11	911
939	Atopic/cont	0.627578	1.133665	0.856414	0.30542	942	76	866
871.2	Open woun	0.230909	1.362038	0.622403	0.305496	1015	10	1005
626.12	Excessive o	0.462151	1.197514	0.779112	0.308703	690	27	663
250.3	Insulin pum	0.794022	1.69687	1.214109	0.309261	836	27	809
362.21	Macular de	0.272061	1.394782	0.657096	0.310769	965	13	952
296.2	Depression	0.913728	1.304099	1.095696	0.311108	867	185	682
279.7	Other immu	0.524734	1.173688	0.810625	0.311128	1036	40	996
172.2	Other non-r	0.62054	1.142362	0.85399	0.311576	938	73	865
380.4	Impacted c	0.514412	1.195376	0.805074	0.315936	1044	38	1006
715	Other inflar	0.34726	1.282163	0.713189	0.317136	942	17	925
536.8	Dyspepsia a	0.520294	1.186721	0.809907	0.319887	1016	40	976
440.1	Atheroscler	0.316112	1.328133	0.693452	0.321463	929	15	914
578	Gastrointes	0.862323	1.460849	1.141366	0.322938	968	64	904
454.11	Varicose ve	0.721757	1.976732	1.285129	0.325725	876	15	861
706	Diseases of	0.620575	1.149868	0.856864	0.326968	1016	69	947
569	Other disor	0.626453	1.141956	0.860331	0.327682	1040	72	968
716	Other arthr	0.851621	1.494968	1.148733	0.333051	974	60	914
512.1	Wheezing	0.78692	1.744995	1.210878	0.334794	442	29	413
622	Polyp of fer	0.443031	1.241184	0.7747	0.3364	1085	26	1059
291.8	Alteration c	0.729057	1.888638	1.25859	0.339065	959	15	944
304	Adjustment	0.568965	1.18063	0.837597	0.343013	735	53	682

741 Symptoms	0.721025	1.109766	0.901286	0.345085	1014	146	868
395.3 Nonrheuma	0.676312	2.204508	1.323643	0.351533	772	12	760
514.2 Solitary pul	0.44701	1.254618	0.78087	0.352851	1057	26	1031
726.4 Calcaneal sj	0.477286	1.232817	0.797234	0.352933	720	28	692
110.11 Dermatoph	0.488704	1.23269	0.801956	0.353249	996	31	965
594 Urinary calc	0.542814	1.195737	0.828767	0.354547	1091	42	1049
618.2 Uterine/Utr	0.302891	1.391674	0.696646	0.355178	1056	13	1043
555 Inflammato	0.684922	1.985033	1.278664	0.355733	785	11	774
803.2 Fracture of	0.408271	1.291031	0.761326	0.356704	976	22	954
337 Disorders o	0.752897	1.758963	1.218002	0.357016	921	20	901
250.42 Other abno	0.823959	1.542839	1.157202	0.358382	855	46	809
401 Hypertensio	0.919953	1.268126	1.077707	0.358914	1052	734	318
519 Other disea	0.760292	1.793086	1.221071	0.359904	1064	23	1041
618.1 Prolapse of	0.520841	1.222557	0.818827	0.360172	1081	38	1043
401.1 Essential hy	0.919466	1.267428	1.077126	0.362348	1048	730	318
228 Hemangion	0.332994	1.348738	0.719847	0.362958	1067	14	1053
401.2 Hypertensio	0.62985	1.16247	0.868525	0.36832	418	100	318
165 Cancer with	0.678933	2.01605	1.281624	0.368418	1100	12	1088
165.1 Cancer of b	0.678933	2.01605	1.281624	0.368418	1100	12	1088
396 Abnormal h	0.654034	1.152826	0.877945	0.368503	852	92	760
334 Degenerati	0.671092	1.994405	1.273648	0.377484	913	12	901
286 Coagulator	0.78908	1.626392	1.175354	0.378978	951	33	918
340.1 Migrain wit	0.426516	1.274661	0.780259	0.379745	989	22	967
228.1 Hemangion	0.324113	1.380425	0.72149	0.383085	1066	13	1053
561 Symptoms	0.416372	1.299789	0.775005	0.384359	795	21	774
389.2 Conductive	0.352236	1.339872	0.739864	0.385183	924	15	909
473.4 Voice distu	0.544462	1.21559	0.836661	0.385735	708	38	670
386.2 Peripheral c	0.480658	1.252783	0.807837	0.387072	823	28	795
573.6 Nonspecific	0.483642	1.260155	0.808937	0.388333	952	30	922
290.11 Alzheimer's	0.68649	2.248865	1.296684	0.394788	957	13	944
459.9 Circulatory	0.28293	1.43621	0.699781	0.394854	997	11	986
809 Fracture of	0.386124	1.328679	0.764526	0.400278	972	18	954
473 Diseases of	0.585148	1.200106	0.857044	0.401086	717	47	670

597 Other disor	0.350911	1.403043	0.742836	0.403755	1039	16	1023
788 Syncope an	0.740651	1.11788	0.916129	0.40438	1067	165	902
573 Other disor	0.716861	1.876308	1.225716	0.405997	940	18	922
300.12 Agorophob	0.320813	1.413916	0.730864	0.411379	696	14	682
698 Pruritus an	0.437079	1.314738	0.792568	0.411793	1068	23	1045
335 Multiple scl	0.706015	1.775596	1.205491	0.412221	915	14	901
516.1 Hemoptysis	0.290549	1.452617	0.713403	0.417176	1098	11	1087
516 Abnormal s	0.290549	1.452617	0.713403	0.417176	1098	11	1087
610.4 Benign neo	0.335951	1.370026	0.744828	0.421943	833	13	820
742.9 Other dera	0.408359	1.32955	0.782662	0.42235	887	19	868
564 Functional	0.644532	1.172036	0.884651	0.422938	842	68	774
276.12 Hyposmola	0.466791	1.315212	0.80985	0.423169	885	27	858
565 Anal and re	0.521808	1.250053	0.83568	0.42446	1002	34	968
427.6 Premature	0.614185	1.196193	0.874168	0.429228	474	57	417
804 Fracture of	0.34621	1.393178	0.752175	0.430808	968	14	954
740.2 Osteoarthr	0.834408	1.442729	1.115848	0.431265	784	63	721
742 Derangeme	0.440822	1.310222	0.801475	0.431513	890	22	868
871 Open woun	0.78004	1.587669	1.151164	0.437057	1040	35	1005
368.2 Diplopia an	0.381213	1.371753	0.773398	0.438462	1018	16	1002
290.13 Senile dem	0.32553	1.502064	0.743442	0.445436	956	12	944
840.3 Joint/ligam	0.442819	1.305969	0.807769	0.445563	918	21	897
274 Gout and o	0.755664	1.664764	1.166213	0.446715	1092	29	1063
368.9 Subjective \	0.453789	1.326654	0.811806	0.450386	1025	23	1002
696.4 Psoriasis	0.318278	1.431408	0.744886	0.451615	859	12	847
246 Other disor	0.478182	1.297194	0.824427	0.455389	757	27	730
770 Myalgia an	0.745389	1.127898	0.924413	0.456628	1053	147	906
618 Genital pro	0.571912	1.242796	0.862721	0.457651	1087	44	1043
289.4 Lymphader	0.561648	1.242695	0.85935	0.457988	1009	42	967
372 Disorders o	0.643614	1.974624	1.234925	0.459144	889	11	878
401.3 Other hype	0.554609	1.252733	0.856844	0.460458	368	50	318
454 Varicose ve	0.731514	1.706103	1.172753	0.460789	885	24	861
706.2 Sebaceous	0.587213	1.235522	0.869195	0.460984	993	46	947
365 Glaucoma	0.587628	1.235499	0.869446	0.462465	1006	51	955

293.1 Swelling, m	0.536511	1.26691	0.851597	0.467141	1071	35	1036
250.24 Type 2 diab	0.776195	1.552411	1.135054	0.471508	847	38	809
689 Disorder of	0.462192	1.33229	0.821626	0.472386	1044	24	1020
789 Nausea anc	0.850607	1.371271	1.090795	0.474163	1046	93	953
291 Other speci	0.692393	1.778296	1.185559	0.478681	961	17	944
218.1 Uterine leic	0.773903	1.545539	1.130298	0.47973	983	31	952
807 Fracture of	0.282199	1.548173	0.735026	0.486226	964	10	954
442.1 Aortic aneu	0.732966	1.657773	1.155593	0.487386	940	26	914
427.1 Paroxysmal	0.718075	1.152009	0.919843	0.487416	527	110	417
426.3 Bundle brai	0.531227	1.283538	0.855584	0.489474	449	32	417
452.2 Deep vein t	0.61822	1.953951	1.220753	0.492852	872	11	861
426.91 Cardiac pac	0.809085	1.482491	1.110611	0.494249	477	60	417
618.6 Vaginal ent	0.354094	1.459427	0.779095	0.497084	1056	13	1043
727.6 Rupture of	0.334224	1.521806	0.768131	0.497745	704	12	692
279 Disorders ir	0.576596	1.254764	0.873778	0.498763	1038	42	996
275.6 Hypercalcei	0.697577	1.832641	1.182135	0.500077	1044	23	1021
112 Candidiasis	0.75932	1.558815	1.130504	0.500361	995	30	965
727.2 Bursitis disc	0.370597	1.453524	0.789143	0.501533	706	14	692
365.11 Primary op	0.386264	1.476722	0.795238	0.505478	972	17	955
443 Peripheral \	0.800673	1.466415	1.10788	0.506555	966	52	914
350.1 Abnormal ii	0.626536	2.008566	1.219905	0.506652	1015	13	1002
175 Acquired ak	0.345374	1.491694	0.779885	0.50931	820	13	807
53.1 Herpes zost	0.302724	1.55169	0.756263	0.509838	921	10	911
338.2 Chronic pai	0.426763	1.382478	0.818491	0.512036	1020	19	1001
696 Psoriasis an	0.353768	1.457287	0.785616	0.512145	860	13	847
426.9 Cardiac pac	0.827027	1.41778	1.093659	0.512156	494	77	417
411.2 Myocardial	0.618165	1.235185	0.891229	0.515451	745	56	689
782.6 Pallor and f	0.589645	2.070602	1.226867	0.51594	881	10	871
350 Abnormal r	0.643927	1.218481	0.900335	0.520012	1067	65	1002
292.1 Aphasia/sp	0.475135	1.364211	0.841217	0.524253	967	23	944
348 Other cond	0.693473	1.689574	1.152069	0.531427	921	20	901
735.2 Acquired tc	0.535657	1.311067	0.86712	0.535602	961	31	930
841 Sprains and	0.584829	1.260779	0.88529	0.537099	937	40	897

292.4 Altered me	0.564291	1.282711	0.878458	0.539396	979	35	944
440 Atheroscler	0.797748	1.459896	1.098822	0.541421	975	61	914
835 Internal dei	0.765246	1.521793	1.111701	0.545793	1039	40	999
817 Concussion	0.324552	1.525452	0.783616	0.547978	1085	11	1074
362.27 Drusen (de)	0.37189	1.538307	0.805581	0.55062	965	13	952
478 Throat pain	0.339938	1.518711	0.793869	0.550742	681	11	670
524.3 Anomalies c	0.303714	1.598903	0.773751	0.552182	1017	10	1007
524 Dentofacial	0.303714	1.598903	0.773751	0.552182	1017	10	1007
614.52 Vaginitis an	0.443399	1.407214	0.837534	0.552347	1041	19	1022
622.1 Polyp of col	0.366248	1.470888	0.805994	0.552364	1072	13	1059
227 Benign neo	0.656619	1.784046	1.16409	0.552393	1074	17	1057
414.2 ASCVD	0.65784	1.818326	1.166217	0.553626	707	18	689
502 Postinflamr	0.642208	1.875545	1.177108	0.555046	950	15	935
241.1 Nontoxic ur	0.592994	1.264575	0.892268	0.558728	774	44	730
790.8 Elevated C-	0.609521	1.869122	1.181035	0.559159	963	12	951
747.1 Cardiac con	0.798238	1.42198	1.088568	0.560416	1080	51	1029
741.2 Stiffness of	0.570314	1.293022	0.885391	0.562645	904	36	868
530.3 Stricture an	0.617661	1.877882	1.178529	0.562832	704	13	691
496.21 Obstructive	0.668903	1.734539	1.150327	0.565253	874	20	854
110 Dermatoph	0.599959	1.267817	0.895432	0.56536	1008	43	965
613.7 Other signs	0.670095	1.754662	1.15162	0.566533	989	19	970
370.31 Keratoconjt	0.521239	1.350576	0.870057	0.569285	906	28	878
345.1 Epilepsy	0.638229	1.81325	1.161569	0.574837	916	15	901
199 Neoplasm c	0.791211	1.443977	1.089344	0.575487	1023	57	966
365.1 Open-angle	0.563104	1.319115	0.885361	0.577406	993	38	955
619 Noninflamr	0.600398	1.263032	0.899364	0.578688	1072	42	1030
286.7 Other and t	0.687945	1.633813	1.128505	0.580135	939	21	918
345.12 Partial epile	0.602891	1.853166	1.169126	0.583725	913	12	901
454.1 Varicose ve	0.682393	1.705015	1.137229	0.583952	883	22	861
426.32 Left bundle	0.520089	1.349152	0.876375	0.588602	442	25	417
747 Cardiac anc	0.798192	1.402241	1.079495	0.591069	1084	55	1029
450 Noninfectic	0.389146	1.514794	0.828802	0.59462	1099	14	1085
479 Other uppe	0.633367	1.25435	0.911296	0.59477	719	49	670



256 Ovarian dys	0.40933	1.441059	0.840106	0.595382	969	15	954
772 Symptoms	0.647886	1.68793	1.131538	0.603181	960	14	946
458.1 Orthostatic	0.47979	1.395988	0.867164	0.6061	1007	21	986
612 Breast conc	0.35613	1.511506	0.824563	0.609858	831	11	820
279.1 Immunity d	0.596436	1.295177	0.903544	0.610124	1037	41	996
172 Skin cancer	0.697349	1.209951	0.930892	0.611108	946	81	865
536 Disorders o	0.621622	1.264933	0.911552	0.611568	1023	47	976
353.2 Nerve root	0.384349	1.508392	0.836276	0.615762	932	13	919
558 Noninfectic	0.722332	1.542492	1.101158	0.617426	802	28	774
801 Fracture of	0.75962	1.477127	1.088115	0.618699	997	43	954
426 Cardiac con	0.767333	1.162739	0.948917	0.619846	595	178	417
619.2 Disorders o	0.495965	1.391685	0.876279	0.620523	1053	23	1030
250.6 Polyneurop	0.667056	1.651242	1.11961	0.624076	830	21	809
503 Pulmonary	0.58484	1.896897	1.159188	0.626831	948	13	935
624.9 stress incor	0.618418	1.285972	0.914016	0.632164	1022	45	977
530.11 GERD	0.882083	1.219207	1.040025	0.633306	956	265	691
528 Diseases of	0.382904	1.546465	0.841172	0.633445	1059	13	1046
527 Diseases of	0.346321	1.664606	0.825602	0.636499	1057	11	1046
456 Chronic ver	0.605133	1.844664	1.14352	0.640636	875	14	861
225.1 Benign neo	0.349473	1.625408	0.830708	0.642312	1084	11	1073
225 Benign neo	0.349473	1.625408	0.830708	0.642312	1084	11	1073
599.4 Urinary inci	0.803945	1.367773	1.064735	0.643266	843	72	771
803 Fracture of	0.727487	1.537433	1.092436	0.644352	989	35	954
217 Vascular ha	0.342723	1.613358	0.830676	0.645833	876	10	866
433.5 Cerebral an	0.341661	1.593374	0.831603	0.646615	890	10	880
281.12 Other vitan	0.418928	1.551429	0.85777	0.647867	994	15	979
703 Diseases of	0.330071	1.659303	0.826524	0.651738	1011	10	1001
596 Other disor	0.481376	1.444604	0.880162	0.653169	1043	20	1023
586.2 Cyst of kidn	0.661715	1.632469	1.107595	0.657343	1003	21	982
695.4 Lupus (loca	0.625395	1.69465	1.117306	0.660041	889	15	874
771 Musculoske	0.489853	1.418761	0.886159	0.660976	993	21	972
457.3 Encounter f	0.701243	1.586265	1.095325	0.663359	891	30	861
575 Other biliar	0.531742	1.987536	1.159682	0.664346	1054	10	1044

735.21 Hammer to	0.526038	1.405767	0.896123	0.664821	955	25	930
429 Ill-defined c	0.700811	1.231394	0.940073	0.667519	862	85	777
353 Nerve root	0.431751	1.487929	0.871547	0.669172	934	15	919
521.1 Dental carie	0.492733	1.406416	0.890401	0.669187	1027	20	1007
521 Diseases of	0.492733	1.406416	0.890401	0.669187	1027	20	1007
327.7 Sleep relate	0.694771	1.561867	1.091084	0.673032	847	27	820
427.11 Paroxysmal	0.710227	1.215693	0.944937	0.678614	490	73	417
370 Keratitis	0.600111	1.332512	0.918768	0.678825	917	39	878
766 Neuralgia, r	0.641059	1.281287	0.929747	0.681708	956	47	909
530 Diseases of	0.879655	1.207996	1.033524	0.682524	975	284	691
568 Other disor	0.396023	1.531294	0.867016	0.686704	980	12	968
218 Benign neo	0.738432	1.458203	1.071088	0.689284	988	36	952
290.3 Other persi	0.611195	1.832783	1.117148	0.695593	961	17	944
362.29 Macular de	0.407678	1.662067	0.869585	0.696136	966	14	952
705.8 Hyperhidro	0.378372	1.617622	0.865111	0.700936	958	11	947
278.4 Abnormal v	0.743383	1.437179	1.065637	0.70258	878	47	831
355 Complex re	0.42049	1.5218	0.881141	0.706026	932	13	919
214.1 Lipoma of s	0.422452	1.564038	0.882865	0.714727	1071	14	1057
367.9 Blindness a	0.411653	1.588055	0.879813	0.715601	1002	13	989
242.1 Graves' dise	0.407696	1.569745	0.880438	0.717511	743	13	730
255 Disorders o	0.589705	1.774604	1.108005	0.718059	969	15	954
250.4 Abnormal g	0.70473	1.238928	0.9493	0.718454	888	79	809
355.1 Chronic pai	0.441883	1.553315	0.889854	0.718953	934	15	919
429.2 Abnormal f	0.618775	1.333577	0.93175	0.719132	820	43	777
110.1 Dermatoph	0.619227	1.326664	0.932219	0.719862	1005	40	965
369 Infection of	0.50537	1.458139	0.908257	0.72509	897	19	878
574.12 Cholelithias	0.413965	1.611526	0.884033	0.726564	1058	14	1044
245.2 Chronic thy	0.486971	1.460554	0.905151	0.727478	749	19	730
245.21 Chronic lyr	0.486971	1.460554	0.905151	0.727478	749	19	730
512.8 Cough	0.787176	1.177499	0.965314	0.729923	684	271	413
274.1 Gout	0.621233	1.691922	1.090894	0.736294	1082	19	1063
535.8 Other speci	0.521794	1.436645	0.9164	0.739091	998	22	976
591 Urinary trac	0.808568	1.153549	0.97038	0.739754	976	226	750

763 Thoracic or	0.739765	1.424715	1.05504	0.748789	953	44	909
362 Other retin	0.686866	1.282156	0.95122	0.753907	1019	67	952
681.7 Cellulitis an	0.528465	1.851056	1.106229	0.754287	953	10	943
288.1 Decreased v	0.522986	1.804379	1.102893	0.754479	977	10	967
252.1 Hyperparat	0.660716	1.557272	1.070569	0.755849	978	24	954
535 Gastritis an	0.58981	1.372851	0.935286	0.758437	1008	32	976
246.7 Abnormal r	0.396445	1.66164	0.891891	0.759964	742	12	730
700 Corns and c	0.383175	1.744919	0.888817	0.7606	963	10	953
362.2 Degenerati	0.626064	1.367089	0.941318	0.761527	996	44	952
497 Bronchitis	0.640677	1.606012	1.07334	0.764433	878	24	854
772.3 Muscle wea	0.693498	1.2666	0.954885	0.764589	1009	63	946
345.3 Convulsion:	0.59527	1.369582	0.937892	0.765031	934	33	901
695 Erythematc	0.685504	1.273909	0.95487	0.770848	943	56	887
440.22 Atheroscler	0.484578	1.533428	0.917735	0.773137	932	18	914
296.22 Major depr	0.723256	1.473146	1.053545	0.774178	729	47	682
801.1 Fracture of	0.445763	1.572052	0.910769	0.775463	968	14	954
411.3 Angina pect	0.804035	1.308374	1.035907	0.77573	793	104	689
800 Fracture of	0.548731	1.427083	0.932201	0.775947	978	24	954
433.21 Cerebral ar	0.665998	1.302756	0.952869	0.77893	932	52	880
446 Polyarteriti	0.497833	1.952297	1.104419	0.779646	924	10	914
523.1 Gingivitis	0.445613	1.561639	0.913707	0.782288	1021	14	1007
241 Nontoxic no	0.728751	1.237365	0.963378	0.782529	819	89	730
747.11 Cardiac shu	0.709191	1.442826	1.049741	0.78739	1063	34	1029
805 Fracture of	0.593755	1.762328	1.075215	0.794509	974	20	954
743.2 Pathologic f	0.549886	1.820024	1.082521	0.79798	733	13	720
530.1 Esophagitis	0.866119	1.196318	1.021001	0.800171	963	272	691
530.9 Heartburn	0.451483	1.524501	0.923922	0.802636	705	14	691
686 Other local	0.421816	1.63112	0.916543	0.804642	955	12	943
443.1 Raynaud's s	0.403476	1.671445	0.912744	0.805096	925	11	914
250.1 Type 1 diab	0.668257	1.505444	1.052012	0.806961	838	29	809
720 Spinal stenc	0.675456	1.305025	0.95965	0.807047	848	51	797
341 Other demy	0.390645	1.640675	0.912624	0.80806	911	10	901
433.3 Cerebral isc	0.742107	1.236686	0.96905	0.80958	975	95	880

720.1 Spinal stenc	0.699636	1.471745	1.046705	0.810635	832	35	797
370.3 Keratoconju	0.598003	1.413857	0.950067	0.816688	910	32	878
426.92 Cardiac def	0.638895	1.612774	1.056125	0.817149	441	24	417
382 Otagia	0.575384	1.418933	0.94808	0.818694	944	26	918
870 Open woun	0.565049	1.753842	1.069463	0.818745	1021	16	1005
599.2 Retention c	0.581117	1.426067	0.94874	0.819684	798	27	771
979 Adverse dru	0.624735	1.387153	0.955177	0.822393	1020	38	982
526 Diseases of	0.550438	1.74555	1.068255	0.824874	1021	14	1007
429.3 Symptoms i	0.600351	1.418862	0.952494	0.825099	810	33	777
738.4 Acquired sp	0.525071	1.499913	0.942216	0.826404	950	20	930
350.3 Lack of coo	0.497999	1.515102	0.939176	0.827514	1018	16	1002
483 Acute bron	0.794621	1.302374	1.026654	0.834511	938	101	837
425 Cardiomyo	0.723754	1.266154	0.972392	0.844835	1053	77	976
687.1 Rash and of	0.759823	1.227007	0.976359	0.844896	891	105	786
427.5 Arrhythmia	0.765081	1.228096	0.977082	0.847144	527	110	417
442 Other aneu	0.655727	1.518884	1.042085	0.848671	943	29	914
565.1 Anal and re	0.500261	1.554261	0.946737	0.852387	985	17	968
736 Other acqu	0.422304	1.623045	0.937521	0.853716	941	11	930
276.1 Electrolyte	0.799201	1.287789	1.022441	0.855257	972	114	858
613.8 Other speci	0.536234	1.476608	0.95365	0.855815	989	19	970
550.2 Diaphragm	0.678402	1.322072	0.969761	0.857491	1050	50	1000
740.9 Osteoarthr	0.845172	1.21081	1.016222	0.860427	940	219	721
275.5 Disorders o	0.501167	1.620079	0.94866	0.861135	1039	18	1021
695.42 Systemic lu	0.543013	1.657785	1.049249	0.865456	887	13	874
269 Proteinuria	0.450208	1.648456	0.944776	0.865651	1082	13	1069
357 Inflammato	0.496161	1.592505	0.951099	0.868027	1010	17	993
830 Dislocation	0.663482	1.348454	0.970668	0.87001	1044	45	999
53 Herpes zost	0.572375	1.468681	0.962894	0.87632	935	24	911
586 Other disor	0.707825	1.406822	1.027559	0.877147	1026	44	982
300.4 Dysthymic	0.562232	1.518717	0.96255	0.881059	707	25	682
425.2 Secondary/	0.648921	1.50198	1.032341	0.882665	1005	29	976
333 Extrapyram	0.603667	1.585669	1.036636	0.884937	921	20	901
367.2 Astigmatism	0.475292	1.624021	0.955123	0.88546	1003	14	989

433.8 Late effects	0.547383	1.523128	0.962758	0.885549	901	21	880
327.71 Restless leg	0.599448	1.565461	1.033782	0.89276	840	20	820
276.13 Hyperpotas	0.601739	1.625891	1.034531	0.894423	882	24	858
741.3 Difficulty in	0.571636	1.502129	0.967841	0.895465	892	24	868
535.2 Atrophic ga	0.506012	1.564491	0.962642	0.896715	992	16	976
290.1 Dementias	0.647961	1.557588	1.028726	0.899627	975	31	944
252 Disorders o	0.630331	1.512093	1.028032	0.902083	979	25	954
369.5 Conjunctivi	0.452718	1.671422	0.959911	0.904004	889	11	878
362.26 Macular pu	0.46435	1.868631	1.043865	0.905915	962	10	952
550 Abdominal	0.725774	1.289709	0.98406	0.912976	1069	69	1000
523 Gingival an	0.575346	1.595596	1.029026	0.913132	1025	18	1007
425.1 Primary/int	0.744368	1.333647	1.015597	0.91732	1041	65	976
245 Thyroiditis	0.58797	1.455859	0.978025	0.924166	755	25	730
782.3 Edema	0.793817	1.219798	0.990181	0.928229	1018	147	871
459 Other disor	0.544493	1.671928	1.026326	0.928706	1002	16	986
8 Intestinal ir	0.522657	1.605005	0.975896	0.933034	1089	18	1071
722.1 Displaceme	0.634906	1.403104	0.983205	0.933621	828	31	797
418.1 Precordial p	0.65731	1.434754	1.016427	0.934416	437	26	411
433.12 Cerebral at	0.529426	1.723402	1.025136	0.935272	896	16	880
440.2 Atheroscler	0.5616	1.537883	0.979455	0.936357	936	22	914
214 Lipoma	0.564885	1.637747	1.021834	0.937466	1076	19	1057
512.2 Painful resp	0.580346	1.507943	0.981891	0.940627	440	27	413
356 Hereditary	0.707744	1.33047	0.988921	0.94502	1053	60	993
300.11 Generalizec	0.572594	1.62632	1.018016	0.946925	703	21	682
681 Superficial c	0.736705	1.290996	0.990757	0.948372	1016	73	943
342 Hemiplegia	0.446521	1.849612	1.023817	0.949201	911	10	901
596.5 Functional c	0.487961	1.669536	0.979913	0.949406	1037	14	1023
433.31 Transient c	0.753715	1.272558	0.992116	0.952827	967	87	880
740 Osteoarthro	0.846746	1.163181	0.995372	0.954231	1029	308	721
569.2 Gastrointes	0.577625	1.54647	1.014289	0.955155	987	19	968
519.9 Symptoms i	0.541916	1.600351	0.985489	0.958234	1060	19	1041
741.4 Joint effusio	0.707326	1.365939	1.008055	0.962012	915	47	868
295 Schizophre	0.491664	1.750561	0.984819	0.96246	696	14	682

562.2 Diverticuliti	0.504278	1.6338	0.987079	0.965918	788	14	774
457 Encounter f	0.647286	1.46425	1.008865	0.966399	894	33	861
377 Disorders o	0.479834	1.745	0.987792	0.970707	909	13	896
579 Other symp	0.697603	1.348063	0.995493	0.978601	952	48	904
275 Disorders o	0.702685	1.379392	1.004571	0.978917	1073	52	1021
740.1 Osteoarthri	0.797729	1.226027	0.997191	0.979507	854	133	721
241.2 Nontoxic m	0.735148	1.318915	1.003464	0.981518	798	68	730
727.4 Ganglion ar	0.571469	1.54346	0.994354	0.982312	712	20	692
426.23 Second deg	0.494454	1.708459	1.006713	0.983192	429	12	417
724 Other and t	0.624752	1.456436	0.995817	0.984626	824	27	797
345 Epilepsy, re	0.678001	1.39564	1.003526	0.984831	942	41	901
740.11 Osteoarthr	0.786728	1.241062	0.998103	0.986963	833	112	721
244.1 Secondary l	0.683549	1.382487	1.001574	0.993043	774	44	730
281 Other defic	0.577373	1.575869	0.997961	0.993686	1001	22	979
281.1 Megaloblas	0.577373	1.575869	0.997961	0.993686	1001	22	979
361 Retinal det	0.462345	1.734136	1.002374	0.994507	966	11	955
726.3 Bursitis	0.610029	1.491955	1.001279	0.995558	716	24	692
531 Peptic ulcer	0.519094	1.65327	0.998472	0.995937	1073	16	1057
290 Delirium de	0.632492	1.511715	1.000949	0.996606	976	32	944
537 Other disor	0.545266	1.593712	0.999022	0.997173	994	18	976
578.8 Hemorrhag	0.569962	1.564945	1.000825	0.997476	925	21	904
240 Simple and	0.627026	1.447565	0.999388	0.997721	759	29	730
681.3 Cellulitis an	0.460742	1.743636	0.999045	0.997803	954	11	943
261.2 Vitamin B-c	0.716098	1.336734	1.000156	0.999222	886	56	830
70.2 Viral hepati	NA	NA	NA	NA	912	1	911 [Error: < 10 cases or controls]
755.6 Other cong	NA	NA	NA	NA	1074	1	1073 [Error: < 10 cases or controls]
710.12 Chronic ost	NA	NA	NA	NA	915	1	914 [Error: < 10 cases or controls]
802 Fracture of	NA	NA	NA	NA	955	1	954 [Error: < 10 cases or controls]
525.2 Atrophy of	NA	NA	NA	NA	1008	1	1007 [Error: < 10 cases or controls]
41.2 Streptococ	NA	NA	NA	NA	1054	1	1053 [Error: < 10 cases or controls]
255.12 Hyperaldos	NA	NA	NA	NA	955	1	954 [Error: < 10 cases or controls]
441.2 Chronic vas	NA	NA	NA	NA	915	1	914 [Error: < 10 cases or controls]
531.3 Duodenal u	NA	NA	NA	NA	1058	1	1057 [Error: < 10 cases or controls]

592.3 Urethral str	NA	NA	NA	751	1	750 [Error: < 10 cases or controls]
358 Myoneural	NA	NA	NA	994	1	993 [Error: < 10 cases or controls]
277.51 Lipoprotein	NA	NA	NA	1065	1	1064 [Error: < 10 cases or controls]
791 Gangrene	NA	NA	NA	1101	1	1100 [Error: < 10 cases or controls]
458.2 Iatrogenic f	NA	NA	NA	987	1	986 [Error: < 10 cases or controls]
444.1 Arterial em	NA	NA	NA	915	1	914 [Error: < 10 cases or controls]
189.4 Malignant r	NA	NA	NA	1090	1	1089 [Error: < 10 cases or controls]
446.3 Hypersensit	NA	NA	NA	915	1	914 [Error: < 10 cases or controls]
446.8 Thrombotic	NA	NA	NA	915	1	914 [Error: < 10 cases or controls]
588.1 Renal osteo	NA	NA	NA	983	1	982 [Error: < 10 cases or controls]
614.53 Cyst or abs	NA	NA	NA	1023	1	1022 [Error: < 10 cases or controls]
204.12 Lymphoid l	NA	NA	NA	1090	1	1089 [Error: < 10 cases or controls]
530.12 Ulcer of esc	NA	NA	NA	692	1	691 [Error: < 10 cases or controls]
870.6 Open woun	NA	NA	NA	1006	1	1005 [Error: < 10 cases or controls]
301.2 Antisocial/k	NA	NA	NA	683	1	682 [Error: < 10 cases or controls]
526.1 Cysts of the	NA	NA	NA	1008	1	1007 [Error: < 10 cases or controls]
654.1 Abnormalit	NA	NA	NA	1098	1	1097 [Error: < 10 cases or controls]
170.1 Bone cance	NA	NA	NA	1096	1	1095 [Error: < 10 cases or controls]
384 Other disor	NA	NA	NA	919	1	918 [Error: < 10 cases or controls]
972.1 Cardiac rhy	NA	NA	NA	983	1	982 [Error: < 10 cases or controls]
379.3 Aphakia an	NA	NA	NA	897	1	896 [Error: < 10 cases or controls]
694.3 Vascular di	NA	NA	NA	888	1	887 [Error: < 10 cases or controls]
277.6 Other defic	NA	NA	NA	1065	1	1064 [Error: < 10 cases or controls]
732.7 Osteochon	NA	NA	NA	901	1	900 [Error: < 10 cases or controls]
519.8 Other disea	NA	NA	NA	1042	1	1041 [Error: < 10 cases or controls]
452.1 Iatrogenic r	NA	NA	NA	862	1	861 [Error: < 10 cases or controls]
190 Cancer of e	NA	NA	NA	1074	1	1073 [Error: < 10 cases or controls]
385.3 Cholesteat	NA	NA	NA	919	1	918 [Error: < 10 cases or controls]
597.1 Urethral str	NA	NA	NA	1024	1	1023 [Error: < 10 cases or controls]
989 Toxic effect	NA	NA	NA	1097	1	1096 [Error: < 10 cases or controls]
253.3 Diabetes in	NA	NA	NA	955	1	954 [Error: < 10 cases or controls]
732.1 Juvenile ost	NA	NA	NA	901	1	900 [Error: < 10 cases or controls]
334.21 Amyotroph	NA	NA	NA	902	1	901 [Error: < 10 cases or controls]

870.4 Open wound	NA	NA	NA	1006	1	1005	[Error: < 10 cases or controls]
70.1 Viral hepatitis	NA	NA	NA	912	1	911	[Error: < 10 cases or controls]
360.2 Progressive	NA	NA	NA	956	1	955	[Error: < 10 cases or controls]
218.2 Other benign	NA	NA	NA	953	1	952	[Error: < 10 cases or controls]
990 Effects radiation	NA	NA	NA	1088	1	1087	[Error: < 10 cases or controls]
134.1 Intestinal hemorrhage	NA	NA	NA	1090	1	1089	[Error: < 10 cases or controls]
737.1 Kyphosis (acute)	NA	NA	NA	931	1	930	[Error: < 10 cases or controls]
260.7 Polyphagia	NA	NA	NA	831	1	830	[Error: < 10 cases or controls]
580.14 Chronic glomerulonephritis	NA	NA	NA	983	1	982	[Error: < 10 cases or controls]
295.2 Paranoid delirium	NA	NA	NA	683	1	682	[Error: < 10 cases or controls]
716.8 Palindromic	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
270.1 Disturbance of consciousness	NA	NA	NA	1070	1	1069	[Error: < 10 cases or controls]
443.7 Peripheral neuropathy	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
501 Pneumonitis	NA	NA	NA	936	1	935	[Error: < 10 cases or controls]
782 Symptoms	NA	NA	NA	872	1	871	[Error: < 10 cases or controls]
250.12 Type 1 diabetes mellitus	NA	NA	NA	810	1	809	[Error: < 10 cases or controls]
586.11 Small kidney	NA	NA	NA	983	1	982	[Error: < 10 cases or controls]
711.3 Behcet's syndrome	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
480.11 Pneumococcal meningitis	NA	NA	NA	838	1	837	[Error: < 10 cases or controls]
480.5 Bronchopneumonia	NA	NA	NA	838	1	837	[Error: < 10 cases or controls]
303 Psychogenic blindness	NA	NA	NA	683	1	682	[Error: < 10 cases or controls]
695.2 Bullous dermatitis	NA	NA	NA	888	1	887	[Error: < 10 cases or controls]
245.1 Thyroiditis, Hashimoto's	NA	NA	NA	731	1	730	[Error: < 10 cases or controls]
636.1 Threatened abortion	NA	NA	NA	1092	1	1091	[Error: < 10 cases or controls]
145.3 Cancer of the rectum	NA	NA	NA	1088	1	1087	[Error: < 10 cases or controls]
282.8 Other hemiparesis	NA	NA	NA	980	1	979	[Error: < 10 cases or controls]
711.1 Pyogenic arthritis	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
705.3 Hidradenitis suppurativa	NA	NA	NA	948	1	947	[Error: < 10 cases or controls]
985 Toxic effect of drug	NA	NA	NA	1097	1	1096	[Error: < 10 cases or controls]
716.1 Unspecified arthritis	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
816 Cerebral lacunar infarction	NA	NA	NA	1075	1	1074	[Error: < 10 cases or controls]
41.11 Methicillin-resistant staphylococcal infection	NA	NA	NA	1054	1	1053	[Error: < 10 cases or controls]
713.5 Arthropathy	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]



252.2 Hypoparathyroidism	NA	NA	NA	955	1	954 [Error: < 10 cases or controls]
789.1 Persistent vomiting	NA	NA	NA	954	1	953 [Error: < 10 cases or controls]
573.3 Hepatomegaly	NA	NA	NA	923	1	922 [Error: < 10 cases or controls]
585.32 End stage renal disease	NA	NA	NA	983	1	982 [Error: < 10 cases or controls]
695.22 Pemphigus	NA	NA	NA	888	1	887 [Error: < 10 cases or controls]
962.1 Adrenal cortical hyperplasia	NA	NA	NA	983	1	982 [Error: < 10 cases or controls]
262 Mineral deficiency	NA	NA	NA	831	1	830 [Error: < 10 cases or controls]
709.5 Dermatomyositis	NA	NA	NA	865	1	864 [Error: < 10 cases or controls]
134 Helminthiasis	NA	NA	NA	1090	1	1089 [Error: < 10 cases or controls]
910 Superficial infections	NA	NA	NA	1099	1	1098 [Error: < 10 cases or controls]
687.3 Changes in skin color	NA	NA	NA	787	1	786 [Error: < 10 cases or controls]
748 Anomalies of skin	NA	NA	NA	1097	1	1096 [Error: < 10 cases or controls]
728.1 Muscular cramps	NA	NA	NA	693	1	692 [Error: < 10 cases or controls]
643 Excessive vomiting	NA	NA	NA	1102	1	1101 [Error: < 10 cases or controls]
876 Posttraumatic stress disorder	NA	NA	NA	1006	1	1005 [Error: < 10 cases or controls]
580.32 Nephritis and nephropathy	NA	NA	NA	983	1	982 [Error: < 10 cases or controls]
851 Complications of pregnancy	NA	NA	NA	1040	1	1039 [Error: < 10 cases or controls]
180.1 Cervical carcinoma	NA	NA	NA	910	1	909 [Error: < 10 cases or controls]
559 Ileostomy syndrome	NA	NA	NA	775	1	774 [Error: < 10 cases or controls]
613.9 Breast disorders	NA	NA	NA	971	1	970 [Error: < 10 cases or controls]
151 Cancer of skin	NA	NA	NA	1049	1	1048 [Error: < 10 cases or controls]
277 Other disorders of skin	NA	NA	NA	1065	1	1064 [Error: < 10 cases or controls]
710.19 Unspecified infectious diseases	NA	NA	NA	915	1	914 [Error: < 10 cases or controls]
286.12 Congenital anomalies of blood	NA	NA	NA	919	1	918 [Error: < 10 cases or controls]
284 Aplastic anemia	NA	NA	NA	980	1	979 [Error: < 10 cases or controls]
714.2 Juvenile rheumatoid arthritis	NA	NA	NA	926	1	925 [Error: < 10 cases or controls]
855 Complications of pregnancy	NA	NA	NA	1040	1	1039 [Error: < 10 cases or controls]
79.2 Infectious diseases	NA	NA	NA	912	1	911 [Error: < 10 cases or controls]
366.3 Traumatic conditions	NA	NA	NA	895	1	894 [Error: < 10 cases or controls]
41.12 Methicillin-resistant Staphylococcus aureus	NA	NA	NA	1054	1	1053 [Error: < 10 cases or controls]
520.1 Hereditary conditions	NA	NA	NA	1008	1	1007 [Error: < 10 cases or controls]
499 Cystic fibrosis	NA	NA	NA	1101	1	1100 [Error: < 10 cases or controls]
159.2 Malignant neoplasms	NA	NA	NA	1049	1	1048 [Error: < 10 cases or controls]

743.22 Pathologic	† NA	NA	NA	NA	721	1	720 [Error: < 10 cases or controls]
556.11 Angiodyspl	NA	NA	NA	NA	775	1	774 [Error: < 10 cases or controls]
795.81 Elevated ca	NA	NA	NA	NA	1095	1	1094 [Error: < 10 cases or controls]
522.1 Pulpitis and	NA	NA	NA	NA	1008	1	1007 [Error: < 10 cases or controls]
614.3 Pelvic inflar	NA	NA	NA	NA	1023	1	1022 [Error: < 10 cases or controls]
634.1 Missed abo	NA	NA	NA	NA	1092	1	1091 [Error: < 10 cases or controls]
528.5 Diseases of	NA	NA	NA	NA	1047	1	1046 [Error: < 10 cases or controls]
381.3 Mastoiditis	NA	NA	NA	NA	919	1	918 [Error: < 10 cases or controls]
580.13 Acute glom	NA	NA	NA	NA	983	1	982 [Error: < 10 cases or controls]
754.1 Lumbosacr	NA	NA	NA	NA	1074	1	1073 [Error: < 10 cases or controls]
715.2 Ankylosing	NA	NA	NA	NA	926	1	925 [Error: < 10 cases or controls]
371.33 Noninfectic	NA	NA	NA	NA	879	1	878 [Error: < 10 cases or controls]
251.8 Abnormalit	NA	NA	NA	NA	955	1	954 [Error: < 10 cases or controls]
709.4 Polymyositi	NA	NA	NA	NA	865	1	864 [Error: < 10 cases or controls]
254 Diseases of	NA	NA	NA	NA	955	1	954 [Error: < 10 cases or controls]
255.11 Cushing's s	NA	NA	NA	NA	955	1	954 [Error: < 10 cases or controls]
276.42 Alkalosis	NA	NA	NA	NA	859	1	858 [Error: < 10 cases or controls]
189.12 Malignant r	NA	NA	NA	NA	1090	1	1089 [Error: < 10 cases or controls]
384.4 Perforation	NA	NA	NA	NA	919	1	918 [Error: < 10 cases or controls]
276.11 Hyperosmo	NA	NA	NA	NA	859	1	858 [Error: < 10 cases or controls]
614.31 Acute inflar	NA	NA	NA	NA	1023	1	1022 [Error: < 10 cases or controls]
753.2 Congenital	NA	NA	NA	NA	1085	1	1084 [Error: < 10 cases or controls]
333.2 Myoclonus	NA	NA	NA	NA	902	1	901 [Error: < 10 cases or controls]
529.6 Glossodyn	NA	NA	NA	NA	1047	1	1046 [Error: < 10 cases or controls]
671 Venous/cer	NA	NA	NA	NA	1101	1	1100 [Error: < 10 cases or controls]
627.4 Premenopa	NA	NA	NA	NA	664	1	663 [Error: < 10 cases or controls]
585.31 Renal dialys	NA	NA	NA	NA	983	1	982 [Error: < 10 cases or controls]
574.2 Calculus of	NA	NA	NA	NA	1045	1	1044 [Error: < 10 cases or controls]
962.2 Insulins anc	NA	NA	NA	NA	983	1	982 [Error: < 10 cases or controls]
242.31 Thyrotoxic	† NA	NA	NA	NA	731	1	730 [Error: < 10 cases or controls]
722.9 Other and	† NA	NA	NA	NA	798	1	797 [Error: < 10 cases or controls]
871.4 Open woun	NA	NA	NA	NA	1006	1	1005 [Error: < 10 cases or controls]
857 Mechanical	NA	NA	NA	NA	1040	1	1039 [Error: < 10 cases or controls]

277.1 Disorders o	NA	NA	NA	1065	1	1064	[Error: < 10 cases or controls]
362.7 Hereditary	NA	NA	NA	953	1	952	[Error: < 10 cases or controls]
80 Postoperati	NA	NA	NA	1092	1	1091	[Error: < 10 cases or controls]
965 Poisoning b	NA	NA	NA	983	1	982	[Error: < 10 cases or controls]
306.9 Tension he	NA	NA	NA	683	1	682	[Error: < 10 cases or controls]
290.2 Delirium du	NA	NA	NA	945	1	944	[Error: < 10 cases or controls]
253.2 Pituitary hy	NA	NA	NA	955	1	954	[Error: < 10 cases or controls]
312 Conduct dis	NA	NA	NA	1089	1	1088	[Error: < 10 cases or controls]
459.1 Hemorrhag	NA	NA	NA	987	1	986	[Error: < 10 cases or controls]
520.2 Disturbanc	NA	NA	NA	1008	1	1007	[Error: < 10 cases or controls]
350.5 Abnormal r	NA	NA	NA	1003	1	1002	[Error: < 10 cases or controls]
303.4 Somatoforr	NA	NA	NA	683	1	682	[Error: < 10 cases or controls]
586.1 Anatomical	NA	NA	NA	983	1	982	[Error: < 10 cases or controls]
753 Congenital	NA	NA	NA	1085	1	1084	[Error: < 10 cases or controls]
327.31 Central/nor	NA	NA	NA	821	1	820	[Error: < 10 cases or controls]
575.9 Nonspecific	NA	NA	NA	1045	1	1044	[Error: < 10 cases or controls]
343 Infantile ce	NA	NA	NA	902	1	901	[Error: < 10 cases or controls]
531.5 Gastrojejun	NA	NA	NA	1058	1	1057	[Error: < 10 cases or controls]
710.11 Acute oste	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
750.15 Congenital	NA	NA	NA	1084	1	1083	[Error: < 10 cases or controls]
442.4 Arterial dis	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
716.2 Unspecific	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
969 Poisoning b	NA	NA	NA	983	1	982	[Error: < 10 cases or controls]
370.2 Superficial	NA	NA	NA	879	1	878	[Error: < 10 cases or controls]
756.1 Congenital	NA	NA	NA	1074	1	1073	[Error: < 10 cases or controls]
271 Disorders o	NA	NA	NA	1099	1	1098	[Error: < 10 cases or controls]
853 Complicatic	NA	NA	NA	1040	1	1039	[Error: < 10 cases or controls]
244.5 Congenital	NA	NA	NA	731	1	730	[Error: < 10 cases or controls]
550.3 Femoral he	NA	NA	NA	1001	1	1000	[Error: < 10 cases or controls]
767 Cervicocrar	NA	NA	NA	910	1	909	[Error: < 10 cases or controls]
505 Other pulm	NA	NA	NA	936	1	935	[Error: < 10 cases or controls]
374.2 Lagophthal	NA	NA	NA	879	1	878	[Error: < 10 cases or controls]
870.1 Open woun	NA	NA	NA	1006	1	1005	[Error: < 10 cases or controls]

733.4 Aseptic necrosis	NA	NA	NA	901	1	900	[Error: < 10 cases or controls]
755.61 Congenital	NA	NA	NA	1074	1	1073	[Error: < 10 cases or controls]
282 Hereditary	NA	NA	NA	980	1	979	[Error: < 10 cases or controls]
441.1 Acute vascular	NA	NA	NA	915	1	914	[Error: < 10 cases or controls]
300.13 Phobia	NA	NA	NA	683	1	682	[Error: < 10 cases or controls]
646 Other connective tissue	NA	NA	NA	1101	1	1100	[Error: < 10 cases or controls]
38.1 Gram negative	NA	NA	NA	1054	1	1053	[Error: < 10 cases or controls]
315.2 Speech and hearing	NA	NA	NA	1089	1	1088	[Error: < 10 cases or controls]
840.1 Muscle/tenosynovium	NA	NA	NA	898	1	897	[Error: < 10 cases or controls]
452.8 Postphlebitic	NA	NA	NA	862	1	861	[Error: < 10 cases or controls]
696.3 Pityriasis	NA	NA	NA	888	1	887	[Error: < 10 cases or controls]
875 Non-healing	NA	NA	NA	1006	1	1005	[Error: < 10 cases or controls]
204.1 Lymphoid leukemia	NA	NA	NA	1090	1	1089	[Error: < 10 cases or controls]
522 Diseases of the eye	NA	NA	NA	1008	1	1007	[Error: < 10 cases or controls]
635 Hemorrhage	NA	NA	NA	1092	1	1091	[Error: < 10 cases or controls]
800.2 Fracture of the hip	NA	NA	NA	955	1	954	[Error: < 10 cases or controls]
642.1 Preeclampsia	NA	NA	NA	1098	1	1097	[Error: < 10 cases or controls]
280.2 Iron deficiency	NA	NA	NA	980	1	979	[Error: < 10 cases or controls]
527.8 Other specific	NA	NA	NA	1047	1	1046	[Error: < 10 cases or controls]
378.2 Nystagmus	NA	NA	NA	897	1	896	[Error: < 10 cases or controls]
379.4 Anomalies of the eye	NA	NA	NA	897	1	896	[Error: < 10 cases or controls]
378.5 Paralytic strabismus	NA	NA	NA	897	1	896	[Error: < 10 cases or controls]
635.2 Antepartum hemorrhage	NA	NA	NA	1092	1	1091	[Error: < 10 cases or controls]
271.3 Intestinal diseases	NA	NA	NA	1099	1	1098	[Error: < 10 cases or controls]
578.1 Hematemesis	NA	NA	NA	905	1	904	[Error: < 10 cases or controls]
327.5 Parasomnias	NA	NA	NA	821	1	820	[Error: < 10 cases or controls]
297.2 Suicide or self-harm	NA	NA	NA	683	1	682	[Error: < 10 cases or controls]
209 Neuroendocrine	NA	NA	NA	1102	1	1101	[Error: < 10 cases or controls]
334.2 Anterior horn cell	NA	NA	NA	902	1	901	[Error: < 10 cases or controls]
287.2 Allergic purpura	NA	NA	NA	919	1	918	[Error: < 10 cases or controls]
643.1 Hyperemesis	NA	NA	NA	1102	1	1101	[Error: < 10 cases or controls]
526.9 Jaw disease	NA	NA	NA	1008	1	1007	[Error: < 10 cases or controls]
480.12 Pseudomorph	NA	NA	NA	838	1	837	[Error: < 10 cases or controls]

38.2 Gram positive	NA	NA	NA	1054	1	1053	[Error: < 10 cases or controls]
686.4 Pyogenic	NA	NA	NA	944	1	943	[Error: < 10 cases or controls]
509.3 Pulmonary	NA	NA	NA	937	2	935	[Error: < 10 cases or controls]
200.1 Polycythemia	NA	NA	NA	1007	2	1005	[Error: < 10 cases or controls]
585.34 Chronic Kidney	NA	NA	NA	984	2	982	[Error: < 10 cases or controls]
38.3 Bacteremia	NA	NA	NA	1055	2	1053	[Error: < 10 cases or controls]
742.2 Pathologic	NA	NA	NA	870	2	868	[Error: < 10 cases or controls]
560.1 Paralytic ileus	NA	NA	NA	776	2	774	[Error: < 10 cases or controls]
772.4 Rhabdomyolysis	NA	NA	NA	948	2	946	[Error: < 10 cases or controls]
513.8 Disorders of	NA	NA	NA	1063	2	1061	[Error: < 10 cases or controls]
994.21 Septic shock	NA	NA	NA	1092	2	1090	[Error: < 10 cases or controls]
41.1 Staphylococcal	NA	NA	NA	1055	2	1053	[Error: < 10 cases or controls]
958.2 Traumatic	NA	NA	NA	1100	2	1098	[Error: < 10 cases or controls]
519.2 Respiratory	NA	NA	NA	1043	2	1041	[Error: < 10 cases or controls]
348.7 Coma	NA	NA	NA	903	2	901	[Error: < 10 cases or controls]
740.12 Osteoarthritis	NA	NA	NA	723	2	721	[Error: < 10 cases or controls]
457.2 Encounter for	NA	NA	NA	863	2	861	[Error: < 10 cases or controls]
594.2 Calculus of	NA	NA	NA	1051	2	1049	[Error: < 10 cases or controls]
453 Chronic verruca	NA	NA	NA	863	2	861	[Error: < 10 cases or controls]
567 Peritonitis	NA	NA	NA	970	2	968	[Error: < 10 cases or controls]
253.7 Other disorder	NA	NA	NA	956	2	954	[Error: < 10 cases or controls]
327.72 Sleep related	NA	NA	NA	822	2	820	[Error: < 10 cases or controls]
580.4 Renal sclerosis	NA	NA	NA	984	2	982	[Error: < 10 cases or controls]
446.4 Wegener's	NA	NA	NA	916	2	914	[Error: < 10 cases or controls]
686.1 Carbuncle	NA	NA	NA	945	2	943	[Error: < 10 cases or controls]
279.11 Deficiency of	NA	NA	NA	998	2	996	[Error: < 10 cases or controls]
315.3 Mental retardation	NA	NA	NA	1090	2	1088	[Error: < 10 cases or controls]
249 Secondary	NA	NA	NA	811	2	809	[Error: < 10 cases or controls]
579.2 Splenomegaly	NA	NA	NA	906	2	904	[Error: < 10 cases or controls]
411.9 Other acute	NA	NA	NA	691	2	689	[Error: < 10 cases or controls]
381.9 Otorrhea	NA	NA	NA	920	2	918	[Error: < 10 cases or controls]
800.4 Fracture of	NA	NA	NA	956	2	954	[Error: < 10 cases or controls]
588.2 Secondary	NA	NA	NA	984	2	982	[Error: < 10 cases or controls]

695.81 Erythema n	NA	NA	NA	889	2	887 [Error: < 10 cases or controls]
705.1 Dyshidrosis	NA	NA	NA	949	2	947 [Error: < 10 cases or controls]
444.2 Embolism a	NA	NA	NA	916	2	914 [Error: < 10 cases or controls]
575.7 Other disor	NA	NA	NA	1046	2	1044 [Error: < 10 cases or controls]
728.71 Contractur	NA	NA	NA	694	2	692 [Error: < 10 cases or controls]
346.3 Nonspecific	NA	NA	NA	903	2	901 [Error: < 10 cases or controls]
317.11 Alcoholic liv	NA	NA	NA	981	2	979 [Error: < 10 cases or controls]
376 Disorders o	NA	NA	NA	898	2	896 [Error: < 10 cases or controls]
818.2 Subarachnc	NA	NA	NA	1076	2	1074 [Error: < 10 cases or controls]
758.1 Chromoson	NA	NA	NA	1087	2	1085 [Error: < 10 cases or controls]
194 Cancer of o	NA	NA	NA	1059	2	1057 [Error: < 10 cases or controls]
599.6 Oliguria anc	NA	NA	NA	773	2	771 [Error: < 10 cases or controls]
430.3 Subdural h	NA	NA	NA	882	2	880 [Error: < 10 cases or controls]
655.1 Abnormalit	NA	NA	NA	1098	2	1096 [Error: < 10 cases or controls]
530.6 Diverticulur	NA	NA	NA	693	2	691 [Error: < 10 cases or controls]
221 Benign neo	NA	NA	NA	891	2	889 [Error: < 10 cases or controls]
589 Abnormal r	NA	NA	NA	984	2	982 [Error: < 10 cases or controls]
150 Cancer of e	NA	NA	NA	1050	2	1048 [Error: < 10 cases or controls]
577.2 Chronic par	NA	NA	NA	1093	2	1091 [Error: < 10 cases or controls]
270.33 Amyloidosi:	NA	NA	NA	1071	2	1069 [Error: < 10 cases or controls]
295.1 Schizophre	NA	NA	NA	684	2	682 [Error: < 10 cases or controls]
711 Arthropath	NA	NA	NA	916	2	914 [Error: < 10 cases or controls]
739 Contractur	NA	NA	NA	932	2	930 [Error: < 10 cases or controls]
281.13 Folate-defic	NA	NA	NA	981	2	979 [Error: < 10 cases or controls]
535.1 Acute gastr	NA	NA	NA	978	2	976 [Error: < 10 cases or controls]
272.9 Unspecifec	NA	NA	NA	392	2	390 [Error: < 10 cases or controls]
687 Symptoms :	NA	NA	NA	788	2	786 [Error: < 10 cases or controls]
199.4 Neurofibro	NA	NA	NA	968	2	966 [Error: < 10 cases or controls]
362.5 Toxic macu	NA	NA	NA	954	2	952 [Error: < 10 cases or controls]
285.21 Anemia in c	NA	NA	NA	981	2	979 [Error: < 10 cases or controls]
285.2 Anemia of c	NA	NA	NA	981	2	979 [Error: < 10 cases or controls]
110.12 Athlete's fo	NA	NA	NA	967	2	965 [Error: < 10 cases or controls]
965.1 Opiates anc	NA	NA	NA	984	2	982 [Error: < 10 cases or controls]

366.1 Nonsenile C NA	NA	NA	NA	896	2	894 [Error: < 10 cases or controls]
573.5 Jaundice (n NA	NA	NA	NA	924	2	922 [Error: < 10 cases or controls]
535.6 Duodenitis NA	NA	NA	NA	978	2	976 [Error: < 10 cases or controls]
795.82 Elevated ca NA	NA	NA	NA	1096	2	1094 [Error: < 10 cases or controls]
694.1 Vitiligo NA	NA	NA	NA	889	2	887 [Error: < 10 cases or controls]
223 Benign neo NA	NA	NA	NA	744	2	742 [Error: < 10 cases or controls]
526.42 Arthralgia/; NA	NA	NA	NA	1009	2	1007 [Error: < 10 cases or controls]
79.1 Varicella int NA	NA	NA	NA	913	2	911 [Error: < 10 cases or controls]
333.8 Other dege NA	NA	NA	NA	903	2	901 [Error: < 10 cases or controls]
316.1 Polyneurop NA	NA	NA	NA	981	2	979 [Error: < 10 cases or controls]
360 Disorders o NA	NA	NA	NA	957	2	955 [Error: < 10 cases or controls]
305.2 Eating disoi NA	NA	NA	NA	684	2	682 [Error: < 10 cases or controls]
750.1 Upper gastı NA	NA	NA	NA	1085	2	1083 [Error: < 10 cases or controls]
277.4 Disorders o NA	NA	NA	NA	1066	2	1064 [Error: < 10 cases or controls]
347 Cataplexy a NA	NA	NA	NA	903	2	901 [Error: < 10 cases or controls]
250.15 Diabetes ty NA	NA	NA	NA	811	2	809 [Error: < 10 cases or controls]
961 Poisoning b NA	NA	NA	NA	984	2	982 [Error: < 10 cases or controls]
365.5 Pseudoexfc NA	NA	NA	NA	957	2	955 [Error: < 10 cases or controls]
293 Symptoms i NA	NA	NA	NA	1038	2	1036 [Error: < 10 cases or controls]
961.1 Poisoning/a NA	NA	NA	NA	984	2	982 [Error: < 10 cases or controls]
155 Cancer of li NA	NA	NA	NA	1050	2	1048 [Error: < 10 cases or controls]
244.3 Iodine hypc NA	NA	NA	NA	732	2	730 [Error: < 10 cases or controls]
288.3 Eosinophili; NA	NA	NA	NA	969	2	967 [Error: < 10 cases or controls]
204 Leukemia NA	NA	NA	NA	1091	2	1089 [Error: < 10 cases or controls]
323.8 Encephaliti; NA	NA	NA	NA	1095	2	1093 [Error: < 10 cases or controls]
290.12 Dementia v NA	NA	NA	NA	946	2	944 [Error: < 10 cases or controls]
647 Infectious a NA	NA	NA	NA	1102	2	1100 [Error: < 10 cases or controls]
620 Dysplasia o NA	NA	NA	NA	1061	2	1059 [Error: < 10 cases or controls]
520 Disorders o NA	NA	NA	NA	1009	2	1007 [Error: < 10 cases or controls]
291.4 Specific nor NA	NA	NA	NA	946	2	944 [Error: < 10 cases or controls]
158 Neoplasm c NA	NA	NA	NA	1050	2	1048 [Error: < 10 cases or controls]
634 Miscarriage NA	NA	NA	NA	1093	2	1091 [Error: < 10 cases or controls]
598.4 Other cells NA	NA	NA	NA	1097	2	1095 [Error: < 10 cases or controls]

598	Abnormal f	NA	NA	NA	1097	2	1095	[Error: < 10 cases or controls]
149	Cancer of l	NA	NA	NA	1089	2	1087	[Error: < 10 cases or controls]
149.4	Cancer of l	NA	NA	NA	1089	2	1087	[Error: < 10 cases or controls]
286.1	Congenital	NA	NA	NA	920	2	918	[Error: < 10 cases or controls]
212	Benign neo	NA	NA	NA	1100	2	1098	[Error: < 10 cases or controls]
962	Poisoning b	NA	NA	NA	984	2	982	[Error: < 10 cases or controls]
368.91	Psychophys	NA	NA	NA	1004	2	1002	[Error: < 10 cases or controls]
681.6	Cellulitis an	NA	NA	NA	945	2	943	[Error: < 10 cases or controls]
442.8	Aneurysm c	NA	NA	NA	916	2	914	[Error: < 10 cases or controls]
803.3	Fracture of	NA	NA	NA	956	2	954	[Error: < 10 cases or controls]
110.2	Dermatom	NA	NA	NA	967	2	965	[Error: < 10 cases or controls]
379.5	Disorders o	NA	NA	NA	898	2	896	[Error: < 10 cases or controls]
159	Malignant r	NA	NA	NA	1050	2	1048	[Error: < 10 cases or controls]
10	Tuberculosi	NA	NA	NA	1055	2	1053	[Error: < 10 cases or controls]
385.5	Tympanosc	NA	NA	NA	920	2	918	[Error: < 10 cases or controls]
385	Other disor	NA	NA	NA	920	2	918	[Error: < 10 cases or controls]
580.11	Proliferativ	NA	NA	NA	984	2	982	[Error: < 10 cases or controls]
530.5	Disorders o	NA	NA	NA	693	2	691	[Error: < 10 cases or controls]
300.8	Acute react	NA	NA	NA	684	2	682	[Error: < 10 cases or controls]
145	Cancer of r	NA	NA	NA	1089	2	1087	[Error: < 10 cases or controls]
259.2	Carcinoid s	NA	NA	NA	956	2	954	[Error: < 10 cases or controls]
756.3	Congenital	NA	NA	NA	1075	2	1073	[Error: < 10 cases or controls]
289.9	Abnormalit	NA	NA	NA	969	2	967	[Error: < 10 cases or controls]
320	Meningitis	NA	NA	NA	1095	2	1093	[Error: < 10 cases or controls]
713	Arthropath	NA	NA	NA	916	2	914	[Error: < 10 cases or controls]
759.1	Anomalies r	NA	NA	NA	1087	2	1085	[Error: < 10 cases or controls]
741.1	Ankylosis o	NA	NA	NA	870	2	868	[Error: < 10 cases or controls]
375.2	Epiphora	NA	NA	NA	898	2	896	[Error: < 10 cases or controls]
153.3	Malignant r	NA	NA	NA	895	2	893	[Error: < 10 cases or controls]
742.8	Articular ca	NA	NA	NA	870	2	868	[Error: < 10 cases or controls]
732	Osteochon	NA	NA	NA	902	2	900	[Error: < 10 cases or controls]
636.8	Cervical inc	NA	NA	NA	1093	2	1091	[Error: < 10 cases or controls]
31	Diseases du	NA	NA	NA	1055	2	1053	[Error: < 10 cases or controls]



649.1 Diabetes or NA	NA	NA	NA	1095	2	1093 [Error: < 10 cases or controls]
980 Encounter f NA	NA	NA	NA	1096	2	1094 [Error: < 10 cases or controls]
495.11 Chronic ob NA	NA	NA	NA	857	3	854 [Error: < 10 cases or controls]
198.3 Secondary i NA	NA	NA	NA	969	3	966 [Error: < 10 cases or controls]
958 Certain earl NA	NA	NA	NA	1101	3	1098 [Error: < 10 cases or controls]
170.2 Cancer of c NA	NA	NA	NA	1098	3	1095 [Error: < 10 cases or controls]
510.2 Lung trans NA	NA	NA	NA	1002	3	999 [Error: < 10 cases or controls]
276.8 Polydipsia NA	NA	NA	NA	861	3	858 [Error: < 10 cases or controls]
555.21 Ulcerative c NA	NA	NA	NA	777	3	774 [Error: < 10 cases or controls]
270.34 Alpha-1-ani NA	NA	NA	NA	1072	3	1069 [Error: < 10 cases or controls]
794 Abnormal r NA	NA	NA	NA	1100	3	1097 [Error: < 10 cases or controls]
623 Hypertroph NA	NA	NA	NA	1062	3	1059 [Error: < 10 cases or controls]
728.2 Laxity of lig NA	NA	NA	NA	695	3	692 [Error: < 10 cases or controls]
429.1 Heart trans NA	NA	NA	NA	780	3	777 [Error: < 10 cases or controls]
474.1 Acute tonsi NA	NA	NA	NA	673	3	670 [Error: < 10 cases or controls]
599.8 Other symp NA	NA	NA	NA	774	3	771 [Error: < 10 cases or controls]
580.31 Nephritis a NA	NA	NA	NA	985	3	982 [Error: < 10 cases or controls]
379.1 Scleritis an NA	NA	NA	NA	899	3	896 [Error: < 10 cases or controls]
255.1 Adrenal hy NA	NA	NA	NA	957	3	954 [Error: < 10 cases or controls]
447.1 Stricture of NA	NA	NA	NA	917	3	914 [Error: < 10 cases or controls]
797 Shock NA	NA	NA	NA	1101	3	1098 [Error: < 10 cases or controls]
695.9 Unspecifie NA	NA	NA	NA	890	3	887 [Error: < 10 cases or controls]
705 Disorders o NA	NA	NA	NA	950	3	947 [Error: < 10 cases or controls]
911 Blister NA	NA	NA	NA	1102	3	1099 [Error: < 10 cases or controls]
301 Personality NA	NA	NA	NA	685	3	682 [Error: < 10 cases or controls]
480.2 Viral pneun NA	NA	NA	NA	840	3	837 [Error: < 10 cases or controls]
344 Other paral NA	NA	NA	NA	904	3	901 [Error: < 10 cases or controls]
749 Congenital NA	NA	NA	NA	1099	3	1096 [Error: < 10 cases or controls]
430.1 Subarachnc NA	NA	NA	NA	883	3	880 [Error: < 10 cases or controls]
368.1 Amblyopia NA	NA	NA	NA	1005	3	1002 [Error: < 10 cases or controls]
289.5 Diseases of NA	NA	NA	NA	970	3	967 [Error: < 10 cases or controls]
588 Disorders r NA	NA	NA	NA	985	3	982 [Error: < 10 cases or controls]
242.3 Exophthalr NA	NA	NA	NA	733	3	730 [Error: < 10 cases or controls]

612.1 Galactorrhœ	NA	NA	NA	823	3	820 [Error: < 10 cases or controls]
619.5 Noninflamr	NA	NA	NA	1033	3	1030 [Error: < 10 cases or controls]
383 Otosclerosi	NA	NA	NA	921	3	918 [Error: < 10 cases or controls]
573.4 Acute and s	NA	NA	NA	925	3	922 [Error: < 10 cases or controls]
769 Nonallopatl	NA	NA	NA	1099	3	1096 [Error: < 10 cases or controls]
261.41 Rickets or c	NA	NA	NA	833	3	830 [Error: < 10 cases or controls]
733.9 Chondromæ	NA	NA	NA	903	3	900 [Error: < 10 cases or controls]
474.2 Chronic ton	NA	NA	NA	673	3	670 [Error: < 10 cases or controls]
71 Human imn	NA	NA	NA	914	3	911 [Error: < 10 cases or controls]
71.1 HIV infectic	NA	NA	NA	914	3	911 [Error: < 10 cases or controls]
448 Disease of c	NA	NA	NA	917	3	914 [Error: < 10 cases or controls]
729.3 Panniculitis	NA	NA	NA	695	3	692 [Error: < 10 cases or controls]
756 Other cong	NA	NA	NA	1076	3	1073 [Error: < 10 cases or controls]
287.3 Thrombocy	NA	NA	NA	921	3	918 [Error: < 10 cases or controls]
535.9 Gastritis an	NA	NA	NA	979	3	976 [Error: < 10 cases or controls]
701.6 Acquired ac	NA	NA	NA	956	3	953 [Error: < 10 cases or controls]
172.3 Carcinoma	NA	NA	NA	868	3	865 [Error: < 10 cases or controls]
626.4 Premenstru	NA	NA	NA	666	3	663 [Error: < 10 cases or controls]
529 Diseases an	NA	NA	NA	1049	3	1046 [Error: < 10 cases or controls]
353.1 Nerve plexu	NA	NA	NA	922	3	919 [Error: < 10 cases or controls]
743.21 Pathologic i	NA	NA	NA	723	3	720 [Error: < 10 cases or controls]
446.5 Giant cell a	NA	NA	NA	917	3	914 [Error: < 10 cases or controls]
394.4 Acute rheu	NA	NA	NA	763	3	760 [Error: < 10 cases or controls]
590 Pyelonephr	NA	NA	NA	753	3	750 [Error: < 10 cases or controls]
334.1 Spinocereb	NA	NA	NA	904	3	901 [Error: < 10 cases or controls]
443.8 Other speci	NA	NA	NA	917	3	914 [Error: < 10 cases or controls]
594.8 Renal colic	NA	NA	NA	1052	3	1049 [Error: < 10 cases or controls]
411.41 Aneurysm æ	NA	NA	NA	692	3	689 [Error: < 10 cases or controls]
715.3 Spinal enth	NA	NA	NA	928	3	925 [Error: < 10 cases or controls]
710.1 Osteomyeli	NA	NA	NA	917	3	914 [Error: < 10 cases or controls]
550.1 Inguinal hei	NA	NA	NA	1003	3	1000 [Error: < 10 cases or controls]
577.1 Acute panc	NA	NA	NA	1094	3	1091 [Error: < 10 cases or controls]
277.5 Other disor	NA	NA	NA	1067	3	1064 [Error: < 10 cases or controls]

300.3 Obsessive-c	NA	NA	NA	685	3	682 [Error: < 10 cases or controls]
394.3 Aortic valve	NA	NA	NA	763	3	760 [Error: < 10 cases or controls]
592.11 Acute cystit	NA	NA	NA	753	3	750 [Error: < 10 cases or controls]
691.3 Congenital	NA	NA	NA	890	3	887 [Error: < 10 cases or controls]
642 Hypertensio	NA	NA	NA	1100	3	1097 [Error: < 10 cases or controls]
346.2 Nonspecific	NA	NA	NA	904	3	901 [Error: < 10 cases or controls]
346 Abnormal f	NA	NA	NA	904	3	901 [Error: < 10 cases or controls]
380 Disorders o	NA	NA	NA	1009	3	1006 [Error: < 10 cases or controls]
795.8 Abnormal t	NA	NA	NA	1097	3	1094 [Error: < 10 cases or controls]
704.12 Telogen eff	NA	NA	NA	1004	3	1001 [Error: < 10 cases or controls]
803.21 Colles' fract	NA	NA	NA	957	3	954 [Error: < 10 cases or controls]
274.11 Gouty arthr	NA	NA	NA	1066	3	1063 [Error: < 10 cases or controls]
704.11 Alopecia Ar	NA	NA	NA	1004	3	1001 [Error: < 10 cases or controls]
202 Cancer of o	NA	NA	NA	1092	3	1089 [Error: < 10 cases or controls]
364.1 Corneal op;	NA	NA	NA	958	3	955 [Error: < 10 cases or controls]
290.16 Vascular de	NA	NA	NA	947	3	944 [Error: < 10 cases or controls]
723.1 Torticollis	NA	NA	NA	800	3	797 [Error: < 10 cases or controls]
960.2 Allergy/adv	NA	NA	NA	985	3	982 [Error: < 10 cases or controls]
626.8 Infertility, f	NA	NA	NA	666	3	663 [Error: < 10 cases or controls]
433.11 Occlusion o	NA	NA	NA	883	3	880 [Error: < 10 cases or controls]
184.1 Malignant r	NA	NA	NA	985	3	982 [Error: < 10 cases or controls]
184 Cancer of o	NA	NA	NA	985	3	982 [Error: < 10 cases or controls]
184.11 Malignant r	NA	NA	NA	985	3	982 [Error: < 10 cases or controls]
362.9 Retinal ede	NA	NA	NA	955	3	952 [Error: < 10 cases or controls]
426.22 Mobitz II A\	NA	NA	NA	420	3	417 [Error: < 10 cases or controls]
528.12 Oral aphth;	NA	NA	NA	1049	3	1046 [Error: < 10 cases or controls]
215 Other beniç	NA	NA	NA	1060	3	1057 [Error: < 10 cases or controls]
743.4 Stress fract	NA	NA	NA	723	3	720 [Error: < 10 cases or controls]
580.1 Glomerulor	NA	NA	NA	985	3	982 [Error: < 10 cases or controls]
339 Other head	NA	NA	NA	970	3	967 [Error: < 10 cases or controls]
527.2 Sialoadeniti	NA	NA	NA	1049	3	1046 [Error: < 10 cases or controls]
636 Early or thr	NA	NA	NA	1094	3	1091 [Error: < 10 cases or controls]
592.12 Chronic cys	NA	NA	NA	753	3	750 [Error: < 10 cases or controls]

577.3 Cyst and ps NA	NA	NA	NA	1094	3	1091 [Error: < 10 cases or controls]
653 Problems a NA	NA	NA	NA	1100	3	1097 [Error: < 10 cases or controls]
198.5 Secondary i NA	NA	NA	NA	970	4	966 [Error: < 10 cases or controls]
707.1 Decubitus t NA	NA	NA	NA	1081	4	1077 [Error: < 10 cases or controls]
198.7 Secondary i NA	NA	NA	NA	970	4	966 [Error: < 10 cases or controls]
288.11 Neutropeni NA	NA	NA	NA	971	4	967 [Error: < 10 cases or controls]
81 Infection/ir NA	NA	NA	NA	1095	4	1091 [Error: < 10 cases or controls]
315 Develomen NA	NA	NA	NA	1092	4	1088 [Error: < 10 cases or controls]
509.8 Dependenc NA	NA	NA	NA	939	4	935 [Error: < 10 cases or controls]
994.1 Systemic in NA	NA	NA	NA	1094	4	1090 [Error: < 10 cases or controls]
170 Cancer of b NA	NA	NA	NA	1099	4	1095 [Error: < 10 cases or controls]
555.2 Ulcerative c NA	NA	NA	NA	778	4	774 [Error: < 10 cases or controls]
772.1 Muscular w NA	NA	NA	NA	950	4	946 [Error: < 10 cases or controls]
426.4 Anomalous NA	NA	NA	NA	421	4	417 [Error: < 10 cases or controls]
286.9 Abnormal c NA	NA	NA	NA	922	4	918 [Error: < 10 cases or controls]
41.8 H. pylori NA	NA	NA	NA	1057	4	1053 [Error: < 10 cases or controls]
621 Endometriæ NA	NA	NA	NA	1063	4	1059 [Error: < 10 cases or controls]
686.2 Impetigo NA	NA	NA	NA	947	4	943 [Error: < 10 cases or controls]
836 Traumatic e NA	NA	NA	NA	1003	4	999 [Error: < 10 cases or controls]
580.3 Nephritis a1 NA	NA	NA	NA	986	4	982 [Error: < 10 cases or controls]
619.3 Noninflamr NA	NA	NA	NA	1034	4	1030 [Error: < 10 cases or controls]
513.4 Hyperventil NA	NA	NA	NA	1065	4	1061 [Error: < 10 cases or controls]
859 Complicatic NA	NA	NA	NA	1043	4	1039 [Error: < 10 cases or controls]
473.3 Paralysis/sç NA	NA	NA	NA	674	4	670 [Error: < 10 cases or controls]
695.41 Cutaneous NA	NA	NA	NA	878	4	874 [Error: < 10 cases or controls]
8.6 Viral Enteri NA	NA	NA	NA	1075	4	1071 [Error: < 10 cases or controls]
758 Chromoson NA	NA	NA	NA	1089	4	1085 [Error: < 10 cases or controls]
755.1 Congenital NA	NA	NA	NA	1077	4	1073 [Error: < 10 cases or controls]
446.9 Arteritis NC NA	NA	NA	NA	918	4	914 [Error: < 10 cases or controls]
571.6 Primary bili NA	NA	NA	NA	926	4	922 [Error: < 10 cases or controls]
733.2 Cyst of bon NA	NA	NA	NA	904	4	900 [Error: < 10 cases or controls]
619.1 Noninflamr NA	NA	NA	NA	1034	4	1030 [Error: < 10 cases or controls]
752 Nervous sy: NA	NA	NA	NA	1088	4	1084 [Error: < 10 cases or controls]

752.2 Other speci	NA	NA	NA	1088	4	1084 [Error: < 10 cases or controls]
736.6 Unequal leg	NA	NA	NA	934	4	930 [Error: < 10 cases or controls]
278.3 Localized ac	NA	NA	NA	835	4	831 [Error: < 10 cases or controls]
818.1 Subdural he	NA	NA	NA	1078	4	1074 [Error: < 10 cases or controls]
550.4 Umbilical h	NA	NA	NA	1004	4	1000 [Error: < 10 cases or controls]
364.51 Fuchs' dyst	NA	NA	NA	959	4	955 [Error: < 10 cases or controls]
117.1 Histoplasma	NA	NA	NA	969	4	965 [Error: < 10 cases or controls]
624 Symptoms i	NA	NA	NA	981	4	977 [Error: < 10 cases or controls]
253.4 Anterior pit	NA	NA	NA	958	4	954 [Error: < 10 cases or controls]
504.1 Idiopathic f	NA	NA	NA	939	4	935 [Error: < 10 cases or controls]
370.1 Corneal ulc	NA	NA	NA	882	4	878 [Error: < 10 cases or controls]
323 Encephaliti	NA	NA	NA	1097	4	1093 [Error: < 10 cases or controls]
136 Other infec	NA	NA	NA	1093	4	1089 [Error: < 10 cases or controls]
465.4 Acute laryn	NA	NA	NA	709	4	705 [Error: < 10 cases or controls]
697 Sarcoidosis	NA	NA	NA	891	4	887 [Error: < 10 cases or controls]
526.41 Temporom	NA	NA	NA	1011	4	1007 [Error: < 10 cases or controls]
870.5 Open woun	NA	NA	NA	1009	4	1005 [Error: < 10 cases or controls]
378.1 Strabismus	NA	NA	NA	900	4	896 [Error: < 10 cases or controls]
696.42 Psoriatic ar	NA	NA	NA	851	4	847 [Error: < 10 cases or controls]
977 Personal hi	NA	NA	NA	986	4	982 [Error: < 10 cases or controls]
704.8 Other speci	NA	NA	NA	1005	4	1001 [Error: < 10 cases or controls]
747.2 Congenital	NA	NA	NA	1033	4	1029 [Error: < 10 cases or controls]
227.1 Benign neo	NA	NA	NA	1061	4	1057 [Error: < 10 cases or controls]
610.8 Other speci	NA	NA	NA	824	4	820 [Error: < 10 cases or controls]
655 Known or s	NA	NA	NA	1100	4	1096 [Error: < 10 cases or controls]
70.4 Chronic heç	NA	NA	NA	915	4	911 [Error: < 10 cases or controls]
275.3 Disorders o	NA	NA	NA	1025	4	1021 [Error: < 10 cases or controls]
362.31 Separation	NA	NA	NA	956	4	952 [Error: < 10 cases or controls]
722.8 Postlamine	NA	NA	NA	801	4	797 [Error: < 10 cases or controls]
514.1 Abnormal r	NA	NA	NA	1035	4	1031 [Error: < 10 cases or controls]
374.1 Ectropion o	NA	NA	NA	882	4	878 [Error: < 10 cases or controls]
523.3 Periodontit	NA	NA	NA	1011	4	1007 [Error: < 10 cases or controls]
523.31 Acute peric	NA	NA	NA	1011	4	1007 [Error: < 10 cases or controls]

350.6	Disturbanc	NA	NA	NA	1006	4	1002	[Error: < 10 cases or controls]
931	Contact der	NA	NA	NA	870	4	866	[Error: < 10 cases or controls]
292.5	Transient al	NA	NA	NA	948	4	944	[Error: < 10 cases or controls]
420.21	Acute peric	NA	NA	NA	980	4	976	[Error: < 10 cases or controls]
800.1	Fracture of	NA	NA	NA	958	4	954	[Error: < 10 cases or controls]
425.12	Other hype	NA	NA	NA	980	4	976	[Error: < 10 cases or controls]
701.3	Circumscrit	NA	NA	NA	957	4	953	[Error: < 10 cases or controls]
54	Herpes sim	NA	NA	NA	915	4	911	[Error: < 10 cases or controls]
270.32	Paraproteir	NA	NA	NA	1073	4	1069	[Error: < 10 cases or controls]
717	Polymyalgi	NA	NA	NA	1097	4	1093	[Error: < 10 cases or controls]
586.4	Stricture/ol	NA	NA	NA	986	4	982	[Error: < 10 cases or controls]
200	Myeloprolif	NA	NA	NA	1094	5	1089	[Error: < 10 cases or controls]
191.11	Cancer of b	NA	NA	NA	1078	5	1073	[Error: < 10 cases or controls]
191.1	Cancer of b	NA	NA	NA	1078	5	1073	[Error: < 10 cases or controls]
430.2	Intracerebr	NA	NA	NA	885	5	880	[Error: < 10 cases or controls]
362.22	Macular de	NA	NA	NA	957	5	952	[Error: < 10 cases or controls]
289.8	Polycyther	NA	NA	NA	968	5	963	[Error: < 10 cases or controls]
331.1	Hydroceph	NA	NA	NA	906	5	901	[Error: < 10 cases or controls]
727.7	Contractur	NA	NA	NA	697	5	692	[Error: < 10 cases or controls]
420.1	Myocarditi	NA	NA	NA	981	5	976	[Error: < 10 cases or controls]
818	Intracranial	NA	NA	NA	1079	5	1074	[Error: < 10 cases or controls]
707.3	Chronic ulc	NA	NA	NA	1082	5	1077	[Error: < 10 cases or controls]
110.13	Dermatoph	NA	NA	NA	970	5	965	[Error: < 10 cases or controls]
556.1	Ulceration	NA	NA	NA	779	5	774	[Error: < 10 cases or controls]
112.3	Candidiasis	NA	NA	NA	970	5	965	[Error: < 10 cases or controls]
585.2	Renal failur	NA	NA	NA	987	5	982	[Error: < 10 cases or controls]
441	Vascular in	NA	NA	NA	919	5	914	[Error: < 10 cases or controls]
724.1	Disorders o	NA	NA	NA	802	5	797	[Error: < 10 cases or controls]
349	Other and t	NA	NA	NA	906	5	901	[Error: < 10 cases or controls]
790.1	Elevated se	NA	NA	NA	956	5	951	[Error: < 10 cases or controls]
755	Congenital	NA	NA	NA	1078	5	1073	[Error: < 10 cases or controls]
504	Other alvec	NA	NA	NA	940	5	935	[Error: < 10 cases or controls]
369.2	Eye infectic	NA	NA	NA	883	5	878	[Error: < 10 cases or controls]

425.8 Other cardi	NA	NA	NA	981	5	976 [Error: < 10 cases or controls]
706.8 Other speci	NA	NA	NA	952	5	947 [Error: < 10 cases or controls]
361.1 Retinal det	NA	NA	NA	960	5	955 [Error: < 10 cases or controls]
754.2 Spondylolis	NA	NA	NA	1078	5	1073 [Error: < 10 cases or controls]
727.8 Plica syndr	NA	NA	NA	697	5	692 [Error: < 10 cases or controls]
781 Symptoms i	NA	NA	NA	1071	5	1066 [Error: < 10 cases or controls]
724.2 Disorders o	NA	NA	NA	802	5	797 [Error: < 10 cases or controls]
724.9 Other unsp	NA	NA	NA	802	5	797 [Error: < 10 cases or controls]
695.7 Prurigo and	NA	NA	NA	892	5	887 [Error: < 10 cases or controls]
377.1 Optic atrop	NA	NA	NA	901	5	896 [Error: < 10 cases or controls]
153.2 Colon canc	NA	NA	NA	898	5	893 [Error: < 10 cases or controls]
427.41 Ventricular	NA	NA	NA	422	5	417 [Error: < 10 cases or controls]
701.5 Abnormal g	NA	NA	NA	958	5	953 [Error: < 10 cases or controls]
364.5 Corneal dys	NA	NA	NA	960	5	955 [Error: < 10 cases or controls]
736.2 Acquired d	NA	NA	NA	935	5	930 [Error: < 10 cases or controls]
709.7 Unspecifec	NA	NA	NA	869	5	864 [Error: < 10 cases or controls]
427.42 Cardiac arr	NA	NA	NA	422	5	417 [Error: < 10 cases or controls]
426.21 First degre	NA	NA	NA	422	5	417 [Error: < 10 cases or controls]
371.1 Uveitis, nor	NA	NA	NA	883	5	878 [Error: < 10 cases or controls]
362.6 Peripheral i	NA	NA	NA	957	5	952 [Error: < 10 cases or controls]
592.13 Chronic int	NA	NA	NA	755	5	750 [Error: < 10 cases or controls]
363.3 Chorioretin	NA	NA	NA	960	5	955 [Error: < 10 cases or controls]
224.1 Benign neo	NA	NA	NA	1078	5	1073 [Error: < 10 cases or controls]
613.1 Inflammato	NA	NA	NA	975	5	970 [Error: < 10 cases or controls]
313.1 Attention d	NA	NA	NA	1093	5	1088 [Error: < 10 cases or controls]
313 Pervasive d	NA	NA	NA	1093	5	1088 [Error: < 10 cases or controls]
189.21 Malignant r	NA	NA	NA	1094	5	1089 [Error: < 10 cases or controls]
189.2 Cancer of b	NA	NA	NA	1094	5	1089 [Error: < 10 cases or controls]
332 Parkinson's	NA	NA	NA	906	5	901 [Error: < 10 cases or controls]
751.21 Cystic kidn	NA	NA	NA	1088	5	1083 [Error: < 10 cases or controls]
388 Other disor	NA	NA	NA	914	5	909 [Error: < 10 cases or controls]
386.21 Central orig	NA	NA	NA	800	5	795 [Error: < 10 cases or controls]
557 Intestinal rr	NA	NA	NA	779	5	774 [Error: < 10 cases or controls]

735.23 Hallux rigid	NA	NA	NA	935	5	930 [Error: < 10 cases or controls]
258.1 Postablativ	NA	NA	NA	959	5	954 [Error: < 10 cases or controls]
781.2 Abnormal p	NA	NA	NA	1071	5	1066 [Error: < 10 cases or controls]
189.11 Malignant r	NA	NA	NA	1094	5	1089 [Error: < 10 cases or controls]
597.8 Urethral hy	NA	NA	NA	1028	5	1023 [Error: < 10 cases or controls]
528.1 Stomatitis a	NA	NA	NA	1051	5	1046 [Error: < 10 cases or controls]
302 Sexual and	NA	NA	NA	687	5	682 [Error: < 10 cases or controls]
302.1 Decreased l	NA	NA	NA	687	5	682 [Error: < 10 cases or controls]
759 Other and t	NA	NA	NA	1090	5	1085 [Error: < 10 cases or controls]
525.1 Loss of teet	NA	NA	NA	1012	5	1007 [Error: < 10 cases or controls]
362.8 Retinal her	NA	NA	NA	957	5	952 [Error: < 10 cases or controls]
275.11 Hereditary	NA	NA	NA	1026	5	1021 [Error: < 10 cases or controls]
963 Poisoning b	NA	NA	NA	988	6	982 [Error: < 10 cases or controls]
963.1 Antineopla	NA	NA	NA	988	6	982 [Error: < 10 cases or controls]
513.3 Hypoventil	NA	NA	NA	1067	6	1061 [Error: < 10 cases or controls]
571.81 Portal hype	NA	NA	NA	928	6	922 [Error: < 10 cases or controls]
530.2 Esophageal	NA	NA	NA	697	6	691 [Error: < 10 cases or controls]
735.1 Flat foot	NA	NA	NA	936	6	930 [Error: < 10 cases or controls]
803.1 Fracture of	NA	NA	NA	960	6	954 [Error: < 10 cases or controls]
227.3 Benign neo	NA	NA	NA	1063	6	1057 [Error: < 10 cases or controls]
395.4 Nonrheum	NA	NA	NA	766	6	760 [Error: < 10 cases or controls]
474 Acute and c	NA	NA	NA	676	6	670 [Error: < 10 cases or controls]
242.2 Toxic multi	NA	NA	NA	736	6	730 [Error: < 10 cases or controls]
337.1 Peripheral	NA	NA	NA	907	6	901 [Error: < 10 cases or controls]
386.3 Labyrinthiti	NA	NA	NA	801	6	795 [Error: < 10 cases or controls]
531.2 Gastric ulce	NA	NA	NA	1063	6	1057 [Error: < 10 cases or controls]
260.3 Adult failur	NA	NA	NA	836	6	830 [Error: < 10 cases or controls]
345.11 Generalizec	NA	NA	NA	907	6	901 [Error: < 10 cases or controls]
250.7 Diabetic ret	NA	NA	NA	958	6	952 [Error: < 10 cases or controls]
556 Ulceration	NA	NA	NA	780	6	774 [Error: < 10 cases or controls]
287 Purpura an	NA	NA	NA	924	6	918 [Error: < 10 cases or controls]
420.22 Chronic per	NA	NA	NA	982	6	976 [Error: < 10 cases or controls]
575.8 Other disor	NA	NA	NA	1050	6	1044 [Error: < 10 cases or controls]



709.3 Systemic sc	NA	NA	NA	870	6	864 [Error: < 10 cases or controls]
174.3 Neoplasm c	NA	NA	NA	919	6	913 [Error: < 10 cases or controls]
754 Congenital	NA	NA	NA	1079	6	1073 [Error: < 10 cases or controls]
691 Congenital	NA	NA	NA	893	6	887 [Error: < 10 cases or controls]
587 Kidney repl	NA	NA	NA	988	6	982 [Error: < 10 cases or controls]
8.52 Intestinal ir	NA	NA	NA	1077	6	1071 [Error: < 10 cases or controls]
579.8 Nonspecific	NA	NA	NA	910	6	904 [Error: < 10 cases or controls]
610.2 Fibroadeno	NA	NA	NA	826	6	820 [Error: < 10 cases or controls]
473.1 Chronic lar	NA	NA	NA	676	6	670 [Error: < 10 cases or controls]
733.8 Malunion a	NA	NA	NA	906	6	900 [Error: < 10 cases or controls]
425.11 Hypertroph	NA	NA	NA	982	6	976 [Error: < 10 cases or controls]
227.2 Benign neo	NA	NA	NA	1063	6	1057 [Error: < 10 cases or controls]
619.4 Noninflamr	NA	NA	NA	1036	6	1030 [Error: < 10 cases or controls]
117 Mycoses	NA	NA	NA	971	6	965 [Error: < 10 cases or controls]
722.7 Interverteb	NA	NA	NA	803	6	797 [Error: < 10 cases or controls]
710 Osteomyeli	NA	NA	NA	920	6	914 [Error: < 10 cases or controls]
726.2 Synoviopat	NA	NA	NA	698	6	692 [Error: < 10 cases or controls]
724.8 Other symp	NA	NA	NA	803	6	797 [Error: < 10 cases or controls]
614.1 Pelvic perit	NA	NA	NA	1028	6	1022 [Error: < 10 cases or controls]
649 Other cond	NA	NA	NA	1099	6	1093 [Error: < 10 cases or controls]
153 Colorectal c	NA	NA	NA	899	6	893 [Error: < 10 cases or controls]
368.4 Visual field	NA	NA	NA	1008	6	1002 [Error: < 10 cases or controls]
610.3 Fibrosclero	NA	NA	NA	826	6	820 [Error: < 10 cases or controls]
729 Other disor	NA	NA	NA	698	6	692 [Error: < 10 cases or controls]
471 Nasal polyp	NA	NA	NA	676	6	670 [Error: < 10 cases or controls]
375 Disorders o	NA	NA	NA	902	6	896 [Error: < 10 cases or controls]
750.21 Congenital	NA	NA	NA	1089	6	1083 [Error: < 10 cases or controls]
750.2 Lower gastr	NA	NA	NA	1089	6	1083 [Error: < 10 cases or controls]
626.14 Irregular m	NA	NA	NA	669	6	663 [Error: < 10 cases or controls]
198.4 Secondary i	NA	NA	NA	973	7	966 [Error: < 10 cases or controls]
289 Other disea	NA	NA	NA	974	7	967 [Error: < 10 cases or controls]
276.41 Acidosis	NA	NA	NA	865	7	858 [Error: < 10 cases or controls]
198.2 Secondary i	NA	NA	NA	973	7	966 [Error: < 10 cases or controls]

253.1 Pituitary hy	NA	NA	NA	961	7	954 [Error: < 10 cases or controls]
572 Ascites (no)	NA	NA	NA	929	7	922 [Error: < 10 cases or controls]
297.1 Suicidal ide	NA	NA	NA	689	7	682 [Error: < 10 cases or controls]
286.5 Hemorrhag	NA	NA	NA	925	7	918 [Error: < 10 cases or controls]
540 Appendice	NA	NA	NA	1102	7	1095 [Error: < 10 cases or controls]
540.1 Appendiciti	NA	NA	NA	1102	7	1095 [Error: < 10 cases or controls]
540.11 Acute appe	NA	NA	NA	1102	7	1095 [Error: < 10 cases or controls]
695.8 Other speci	NA	NA	NA	894	7	887 [Error: < 10 cases or controls]
496.3 Bronchiect	NA	NA	NA	861	7	854 [Error: < 10 cases or controls]
256.4 Polycystic c	NA	NA	NA	961	7	954 [Error: < 10 cases or controls]
536.3 Gastropare	NA	NA	NA	983	7	976 [Error: < 10 cases or controls]
250.14 Type 1 diab	NA	NA	NA	816	7	809 [Error: < 10 cases or controls]
451.2 Phlebitis an	NA	NA	NA	868	7	861 [Error: < 10 cases or controls]
70.9 Hepatitis N	NA	NA	NA	918	7	911 [Error: < 10 cases or controls]
574.3 Cholecystiti	NA	NA	NA	1051	7	1044 [Error: < 10 cases or controls]
701.4 Keloid scar	NA	NA	NA	960	7	953 [Error: < 10 cases or controls]
444 Arterial em	NA	NA	NA	921	7	914 [Error: < 10 cases or controls]
429.9 Cardiac con	NA	NA	NA	784	7	777 [Error: < 10 cases or controls]
250.25 Diabetes ty	NA	NA	NA	816	7	809 [Error: < 10 cases or controls]
255.2 Adrenal hy	NA	NA	NA	961	7	954 [Error: < 10 cases or controls]
255.21 Glucocortic	NA	NA	NA	961	7	954 [Error: < 10 cases or controls]
180.3 Cervical int	NA	NA	NA	916	7	909 [Error: < 10 cases or controls]
819 Skull and fa	NA	NA	NA	1081	7	1074 [Error: < 10 cases or controls]
709.2 Sicca syndr	NA	NA	NA	871	7	864 [Error: < 10 cases or controls]
226 Benign neo	NA	NA	NA	1064	7	1057 [Error: < 10 cases or controls]
378 Strabismus	NA	NA	NA	903	7	896 [Error: < 10 cases or controls]
530.13 Barrett's es	NA	NA	NA	698	7	691 [Error: < 10 cases or controls]
213 Benign neo	NA	NA	NA	749	7	742 [Error: < 10 cases or controls]
8.5 Bacterial er	NA	NA	NA	1078	7	1071 [Error: < 10 cases or controls]
526.4 Temporom	NA	NA	NA	1014	7	1007 [Error: < 10 cases or controls]
224 Benign neo	NA	NA	NA	1080	7	1073 [Error: < 10 cases or controls]
557.1 Celiac disea	NA	NA	NA	781	7	774 [Error: < 10 cases or controls]
292.11 Aphasia	NA	NA	NA	951	7	944 [Error: < 10 cases or controls]

740.3 Osteoarthritis	NA	NA	NA	728	7	721 [Error: < 10 cases or controls]
217.1 Nevus, non	NA	NA	NA	873	7	866 [Error: < 10 cases or controls]
426.31 Right bundle branch block	NA	NA	NA	424	7	417 [Error: < 10 cases or controls]
333.4 Torsion dystonia	NA	NA	NA	908	7	901 [Error: < 10 cases or controls]
333.1 Essential tremor	NA	NA	NA	908	7	901 [Error: < 10 cases or controls]
972 Poisoning by barbiturates	NA	NA	NA	989	7	982 [Error: < 10 cases or controls]
220 Benign neoplasm of the thyroid gland	NA	NA	NA	900	7	893 [Error: < 10 cases or controls]
306 Other mental disorders	NA	NA	NA	689	7	682 [Error: < 10 cases or controls]
172.22 Squamous cell carcinoma of the head and neck	NA	NA	NA	872	7	865 [Error: < 10 cases or controls]
477 Epistaxis or nosebleed	NA	NA	NA	677	7	670 [Error: < 10 cases or controls]
531.4 Peptic ulcer disease	NA	NA	NA	1064	7	1057 [Error: < 10 cases or controls]
704.2 Hirsutism	NA	NA	NA	1008	7	1001 [Error: < 10 cases or controls]
327.41 Organic or functional psychosis	NA	NA	NA	827	7	820 [Error: < 10 cases or controls]
751.2 Congenital anomalies of the eye	NA	NA	NA	1090	7	1083 [Error: < 10 cases or controls]
196 Radiotherapy complications	NA	NA	NA	973	7	966 [Error: < 10 cases or controls]
913 Toxic effects of drugs	NA	NA	NA	1048	7	1041 [Error: < 10 cases or controls]
560.4 Other intestinal diseases	NA	NA	NA	781	7	774 [Error: < 10 cases or controls]
772.6 Facial weakness	NA	NA	NA	953	7	946 [Error: < 10 cases or controls]
525 Other diseases of the skin	NA	NA	NA	1014	7	1007 [Error: < 10 cases or controls]
750 Digestive system diseases	NA	NA	NA	1090	7	1083 [Error: < 10 cases or controls]
426.8 Other cardiac diseases	NA	NA	NA	424	7	417 [Error: < 10 cases or controls]
276.4 Acid-base balance disorders	NA	NA	NA	866	8	858 [Error: < 10 cases or controls]
858 Complications of surgery	NA	NA	NA	1047	8	1039 [Error: < 10 cases or controls]
41.4 E. coli infections	NA	NA	NA	1061	8	1053 [Error: < 10 cases or controls]
359 Muscular dystrophies	NA	NA	NA	1001	8	993 [Error: < 10 cases or controls]
359.2 Myopathy	NA	NA	NA	1001	8	993 [Error: < 10 cases or controls]
747.13 Congenital anomalies of the ear, nose, and throat	NA	NA	NA	1037	8	1029 [Error: < 10 cases or controls]
430 Intracranial aneurysms	NA	NA	NA	888	8	880 [Error: < 10 cases or controls]
394.1 Mitral valve disease	NA	NA	NA	768	8	760 [Error: < 10 cases or controls]
420.3 Endocarditis	NA	NA	NA	984	8	976 [Error: < 10 cases or controls]
701.1 Keratoderma	NA	NA	NA	961	8	953 [Error: < 10 cases or controls]
195.1 Malignant neoplasms of the respiratory system	NA	NA	NA	974	8	966 [Error: < 10 cases or controls]
681.2 Cellulitis and abscesses	NA	NA	NA	951	8	943 [Error: < 10 cases or controls]

250.23 Type 2 diab	NA	NA	NA	817	8	809	[Error: < 10 cases or controls]
295.3 Psychosis	NA	NA	NA	690	8	682	[Error: < 10 cases or controls]
250.22 Type 2 diab	NA	NA	NA	817	8	809	[Error: < 10 cases or controls]
210 Benign neo	NA	NA	NA	1095	8	1087	[Error: < 10 cases or controls]
527.7 Disturbanc	NA	NA	NA	1054	8	1046	[Error: < 10 cases or controls]
362.23 Cystoid ma	NA	NA	NA	960	8	952	[Error: < 10 cases or controls]
842 Other sprai	NA	NA	NA	905	8	897	[Error: < 10 cases or controls]
481 Influenza	NA	NA	NA	845	8	837	[Error: < 10 cases or controls]
800.3 Fracture of	NA	NA	NA	962	8	954	[Error: < 10 cases or controls]
949 Allergies, oi	NA	NA	NA	874	8	866	[Error: < 10 cases or controls]
580 Nephritis; r	NA	NA	NA	990	8	982	[Error: < 10 cases or controls]
721.2 Spondylosi	NA	NA	NA	805	8	797	[Error: < 10 cases or controls]
709.6 Other speci	NA	NA	NA	872	8	864	[Error: < 10 cases or controls]
260 Protein-cal	NA	NA	NA	838	8	830	[Error: < 10 cases or controls]
907 Injuries to t	NA	NA	NA	1096	8	1088	[Error: < 10 cases or controls]
550.5 Ventral her	NA	NA	NA	1008	8	1000	[Error: < 10 cases or controls]
270.3 Disorders o	NA	NA	NA	1077	8	1069	[Error: < 10 cases or controls]
180 Cervical car	NA	NA	NA	917	8	909	[Error: < 10 cases or controls]
946 Anaphylact	NA	NA	NA	874	8	866	[Error: < 10 cases or controls]
568.1 Peritoneal	NA	NA	NA	976	8	968	[Error: < 10 cases or controls]
352.2 Facial nerv	NA	NA	NA	927	8	919	[Error: < 10 cases or controls]
614.51 Cervicitis ar	NA	NA	NA	1030	8	1022	[Error: < 10 cases or controls]
348.8 Encephalop	NA	NA	NA	909	8	901	[Error: < 10 cases or controls]
365.2 Primary an	NA	NA	NA	963	8	955	[Error: < 10 cases or controls]
287.1 Spontaneo	NA	NA	NA	926	8	918	[Error: < 10 cases or controls]
871.1 Open woun	NA	NA	NA	1013	8	1005	[Error: < 10 cases or controls]
870.3 Other open	NA	NA	NA	1013	8	1005	[Error: < 10 cases or controls]
930 Allergic rea	NA	NA	NA	874	8	866	[Error: < 10 cases or controls]
272.12 Hyperglyce	NA	NA	NA	398	8	390	[Error: < 10 cases or controls]
362.3 Other nond	NA	NA	NA	960	8	952	[Error: < 10 cases or controls]
612.2 Hypertroph	NA	NA	NA	828	8	820	[Error: < 10 cases or controls]
615 Endometric	NA	NA	NA	1030	8	1022	[Error: < 10 cases or controls]
706.1 Acne	NA	NA	NA	955	8	947	[Error: < 10 cases or controls]

555.1 Regional er NA	NA	NA	NA	782	8	774 [Error: < 10 cases or controls]
727.5 Rupture of NA	NA	NA	NA	700	8	692 [Error: < 10 cases or controls]
751 Genitourin: NA	NA	NA	NA	1091	8	1083 [Error: < 10 cases or controls]
363 Chorioretin NA	NA	NA	NA	963	8	955 [Error: < 10 cases or controls]
189.1 Cancer of k NA	NA	NA	NA	1097	8	1089 [Error: < 10 cases or controls]
259.1 Nonspecific NA	NA	NA	NA	962	8	954 [Error: < 10 cases or controls]
395.6 Heart valve NA	NA	NA	NA	769	9	760 [Error: < 10 cases or controls]
578.9 Hemorrhag NA	NA	NA	NA	913	9	904 [Error: < 10 cases or controls]
172.11 Melanoma: NA	NA	NA	NA	874	9	865 [Error: < 10 cases or controls]
331.9 Cerebral de NA	NA	NA	NA	910	9	901 [Error: < 10 cases or controls]
286.81 Primary hy: NA	NA	NA	NA	927	9	918 [Error: < 10 cases or controls]
317.1 Alcoholism NA	NA	NA	NA	988	9	979 [Error: < 10 cases or controls]
550.6 Incisional h NA	NA	NA	NA	1009	9	1000 [Error: < 10 cases or controls]
191 Malignant : NA	NA	NA	NA	1082	9	1073 [Error: < 10 cases or controls]
379.9 Pain, swellii NA	NA	NA	NA	905	9	896 [Error: < 10 cases or controls]
451 Phlebitis an NA	NA	NA	NA	870	9	861 [Error: < 10 cases or controls]
285.1 Acute postf NA	NA	NA	NA	988	9	979 [Error: < 10 cases or controls]
707.2 Chronic ulc: NA	NA	NA	NA	1086	9	1077 [Error: < 10 cases or controls]
70.3 Viral hepatic NA	NA	NA	NA	920	9	911 [Error: < 10 cases or controls]
377.3 Optic neuro: NA	NA	NA	NA	905	9	896 [Error: < 10 cases or controls]
274.21 Chondrocal NA	NA	NA	NA	1072	9	1063 [Error: < 10 cases or controls]
274.2 Crystal arth NA	NA	NA	NA	1072	9	1063 [Error: < 10 cases or controls]
560 Intestinal o NA	NA	NA	NA	783	9	774 [Error: < 10 cases or controls]
327.1 Hypersomn NA	NA	NA	NA	829	9	820 [Error: < 10 cases or controls]
182 Malignant r NA	NA	NA	NA	958	9	949 [Error: < 10 cases or controls]
728 Disorders o NA	NA	NA	NA	701	9	692 [Error: < 10 cases or controls]
625.1 Dyspareuni NA	NA	NA	NA	986	9	977 [Error: < 10 cases or controls]
573.9 Abnormal s NA	NA	NA	NA	931	9	922 [Error: < 10 cases or controls]
270 Disorders o NA	NA	NA	NA	1078	9	1069 [Error: < 10 cases or controls]
427.4 Cardiac arr: NA	NA	NA	NA	426	9	417 [Error: < 10 cases or controls]
364 Corneal op: NA	NA	NA	NA	964	9	955 [Error: < 10 cases or controls]
275.51 Hypocalcen NA	NA	NA	NA	1030	9	1021 [Error: < 10 cases or controls]
585.4 Chronic kid NA	NA	NA	NA	991	9	982 [Error: < 10 cases or controls]

480.1 Bacterial pr	NA	NA	NA	846	9	837	[Error: < 10 cases or controls]
277.7 Dysmetabo	NA	NA	NA	1073	9	1064	[Error: < 10 cases or controls]
960 Poisoning b	NA	NA	NA	991	9	982	[Error: < 10 cases or controls]
626.2 Dysmenorr	NA	NA	NA	672	9	663	[Error: < 10 cases or controls]
281.11 Pernicious	NA	NA	NA	988	9	979	[Error: < 10 cases or controls]
367.8 Hypermetr	NA	NA	NA	998	9	989	[Error: < 10 cases or controls]
696.41 Psoriasis vu	NA	NA	NA	856	9	847	[Error: < 10 cases or controls]
346.1 Nonspecific	NA	NA	NA	910	9	901	[Error: < 10 cases or controls]
627.5 Premature	NA	NA	NA	672	9	663	[Error: < 10 cases or controls]
530.14 Reflux esop	NA	NA	NA	700	9	691	[Error: < 10 cases or controls]
275.1 Disorders o	NA	NA	NA	1030	9	1021	[Error: < 10 cases or controls]
593.1 Gross hem	NA	NA	NA	759	9	750	[Error: < 10 cases or controls]
251.1 Hypoglycen	NA	NA	NA	730	9	721	[Error: < 10 cases or controls]
703.1 Ingrowing r	NA	NA	NA	1010	9	1001	[Error: < 10 cases or controls]
187 Cancer of o	NA	NA	NA	1101	NA	NA	[Error: non-varying phenotype or genotype]
259.3 Delay in se	NA	NA	NA	954	NA	NA	[Error: non-varying phenotype or genotype]
872 Traumatic	NA	NA	NA	1005	NA	NA	[Error: non-varying phenotype or genotype]
164 Cancer of ir	NA	NA	NA	1088	NA	NA	[Error: non-varying phenotype or genotype]
614.54 Abscess or	NA	NA	NA	1022	NA	NA	[Error: non-varying phenotype or genotype]
526.5 Inflammato	NA	NA	NA	1007	NA	NA	[Error: non-varying phenotype or genotype]
185 Cancer of p	NA	NA	NA	1094	NA	NA	[Error: non-varying phenotype or genotype]
601.3 Orchitis anc	NA	NA	NA	1094	NA	NA	[Error: non-varying phenotype or genotype]
384.1 Myringitis	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
389.3 Degenerati	NA	NA	NA	909	NA	NA	[Error: non-varying phenotype or genotype]
580.12 Non-prolife	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
149.2 Cancer of n	NA	NA	NA	1087	NA	NA	[Error: non-varying phenotype or genotype]
526.3 Anomalies	NA	NA	NA	1007	NA	NA	[Error: non-varying phenotype or genotype]
686.3 Pilonidal cy	NA	NA	NA	943	NA	NA	[Error: non-varying phenotype or genotype]
159.4 Malignant r	NA	NA	NA	1048	NA	NA	[Error: non-varying phenotype or genotype]
657 Infections s	NA	NA	NA	1102	NA	NA	[Error: non-varying phenotype or genotype]
130 Spirochetal	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
279.2 Autoimmun	NA	NA	NA	996	NA	NA	[Error: non-varying phenotype or genotype]
362.1 Retinopath	NA	NA	NA	952	NA	NA	[Error: non-varying phenotype or genotype]

117.4 Aspergillosi	NA	NA	NA	965	NA	NA	[Error: non-varying phenotype or genotype]
287.31 Primary thr	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
609 Male infert	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
521.2 Dental abra	NA	NA	NA	1007	NA	NA	[Error: non-varying phenotype or genotype]
260.1 Cachexia	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
303.1 Dissociative	NA	NA	NA	682	NA	NA	[Error: non-varying phenotype or genotype]
480.13 MRSA pneu	NA	NA	NA	837	NA	NA	[Error: non-varying phenotype or genotype]
656 Other perin	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
303.3 Psychogeni	NA	NA	NA	682	NA	NA	[Error: non-varying phenotype or genotype]
988 Toxic effect	NA	NA	NA	1096	NA	NA	[Error: non-varying phenotype or genotype]
174.2 Breast canc	NA	NA	NA	913	NA	NA	[Error: non-varying phenotype or genotype]
364.41 Keratoconu	NA	NA	NA	955	NA	NA	[Error: non-varying phenotype or genotype]
604.2 Vascular dis	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
292.6 Hallucinatic	NA	NA	NA	944	NA	NA	[Error: non-varying phenotype or genotype]
130.1 Lyme disea	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
958.1 Postoperati	NA	NA	NA	1098	NA	NA	[Error: non-varying phenotype or genotype]
426.25 Other hearl	NA	NA	NA	417	NA	NA	[Error: non-varying phenotype or genotype]
609.2 Abnormal s	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
626.15 Infertility, f	NA	NA	NA	663	NA	NA	[Error: non-varying phenotype or genotype]
286.13 Congenital	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
204.2 Myeloid leu	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
444.5 Atheroemb	NA	NA	NA	914	NA	NA	[Error: non-varying phenotype or genotype]
871.3 Open woun	NA	NA	NA	1005	NA	NA	[Error: non-varying phenotype or genotype]
133 Arthropod-	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
756.5 Congenital	NA	NA	NA	1073	NA	NA	[Error: non-varying phenotype or genotype]
620.1 Dysplasia o	NA	NA	NA	1059	NA	NA	[Error: non-varying phenotype or genotype]
736.1 Acquired d	NA	NA	NA	930	NA	NA	[Error: non-varying phenotype or genotype]
306.1 Mental disc	NA	NA	NA	682	NA	NA	[Error: non-varying phenotype or genotype]
246.2 Thyroid cys	NA	NA	NA	730	NA	NA	[Error: non-varying phenotype or genotype]
229.1 Benign neo	NA	NA	NA	1096	NA	NA	[Error: non-varying phenotype or genotype]
612.3 Congenital	NA	NA	NA	820	NA	NA	[Error: non-varying phenotype or genotype]
750.14 Congenital	NA	NA	NA	1083	NA	NA	[Error: non-varying phenotype or genotype]
856 Vascular co	NA	NA	NA	1039	NA	NA	[Error: non-varying phenotype or genotype]

204.22 Myeloid leu	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
286.6 Defibrinatic	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
592.21 Urethral sy	NA	NA	NA	750	NA	NA	[Error: non-varying phenotype or genotype]
230 Kaposi's sar	NA	NA	NA	1102	NA	NA	[Error: non-varying phenotype or genotype]
270.21 Disorders o	NA	NA	NA	1069	NA	NA	[Error: non-varying phenotype or genotype]
305.21 Anorexia n	NA	NA	NA	682	NA	NA	[Error: non-varying phenotype or genotype]
480.3 Pneumonia	NA	NA	NA	837	NA	NA	[Error: non-varying phenotype or genotype]
656.8 Perinatal ja	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
31.1 Leprosy	NA	NA	NA	1053	NA	NA	[Error: non-varying phenotype or genotype]
527.1 Hypertroph	NA	NA	NA	1046	NA	NA	[Error: non-varying phenotype or genotype]
729.7 Nontrauma	NA	NA	NA	692	NA	NA	[Error: non-varying phenotype or genotype]
79.9 Viremia, N	NA	NA	NA	911	NA	NA	[Error: non-varying phenotype or genotype]
202.2 Non-Hodgk	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
379.51 Pigmentary	NA	NA	NA	896	NA	NA	[Error: non-varying phenotype or genotype]
528.4 Cysts of ora	NA	NA	NA	1046	NA	NA	[Error: non-varying phenotype or genotype]
575.2 Obstructior	NA	NA	NA	1044	NA	NA	[Error: non-varying phenotype or genotype]
941 Adverse re	NA	NA	NA	866	NA	NA	[Error: non-varying phenotype or genotype]
949.1 Diaper or n	NA	NA	NA	866	NA	NA	[Error: non-varying phenotype or genotype]
327.6 Circadian r	NA	NA	NA	820	NA	NA	[Error: non-varying phenotype or genotype]
756.22 Pectus carir	NA	NA	NA	1073	NA	NA	[Error: non-varying phenotype or genotype]
284.1 Pancytoper	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
277.8 Carnitine d	NA	NA	NA	1064	NA	NA	[Error: non-varying phenotype or genotype]
187.2 Malignant r	NA	NA	NA	1101	NA	NA	[Error: non-varying phenotype or genotype]
229 Benign neo	NA	NA	NA	1096	NA	NA	[Error: non-varying phenotype or genotype]
368.3 Anisometrc	NA	NA	NA	1002	NA	NA	[Error: non-varying phenotype or genotype]
187.1 Malignant r	NA	NA	NA	1101	NA	NA	[Error: non-varying phenotype or genotype]
260.2 severe prot	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
522.5 Periapical a	NA	NA	NA	1007	NA	NA	[Error: non-varying phenotype or genotype]
286.4 Acquired cc	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
722.3 Schmorl's n	NA	NA	NA	797	NA	NA	[Error: non-varying phenotype or genotype]
315.1 Learning di	NA	NA	NA	1088	NA	NA	[Error: non-varying phenotype or genotype]
575.6 Cholesterol	NA	NA	NA	1044	NA	NA	[Error: non-varying phenotype or genotype]
702.4 Degenerati	NA	NA	NA	805	NA	NA	[Error: non-varying phenotype or genotype]



81.1 Graft-versu	NA	NA	NA	1091	NA	NA	[Error: non-varying phenotype or genotype]
592.2 Urethritis a	NA	NA	NA	750	NA	NA	[Error: non-varying phenotype or genotype]
691.1 Ichthyosis c	NA	NA	NA	887	NA	NA	[Error: non-varying phenotype or genotype]
287.32 Secondary †	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
530.15 Eosinophilic	NA	NA	NA	691	NA	NA	[Error: non-varying phenotype or genotype]
695.21 Dermatitis †	NA	NA	NA	887	NA	NA	[Error: non-varying phenotype or genotype]
145.1 Cancer of li	NA	NA	NA	1087	NA	NA	[Error: non-varying phenotype or genotype]
656.1 Isoimmuniz	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
605 Erectile dys	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
750.5 Congenital	NA	NA	NA	1083	NA	NA	[Error: non-varying phenotype or genotype]
983 Toxic effect	NA	NA	NA	1096	NA	NA	[Error: non-varying phenotype or genotype]
509.5 Respiratory	NA	NA	NA	935	NA	NA	[Error: non-varying phenotype or genotype]
253.11 Acromegaly	NA	NA	NA	954	NA	NA	[Error: non-varying phenotype or genotype]
624.2 Atrophy of	NA	NA	NA	977	NA	NA	[Error: non-varying phenotype or genotype]
259.8 Polyglandul	NA	NA	NA	954	NA	NA	[Error: non-varying phenotype or genotype]
735.22 Claw toe (a	NA	NA	NA	930	NA	NA	[Error: non-varying phenotype or genotype]
637 Short gesta	NA	NA	NA	1091	NA	NA	[Error: non-varying phenotype or genotype]
363.4 Choroidal d	NA	NA	NA	955	NA	NA	[Error: non-varying phenotype or genotype]
513.32 Orthopnea	NA	NA	NA	1061	NA	NA	[Error: non-varying phenotype or genotype]
281.9 Deficiency ;	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
573.1 Chronic pas	NA	NA	NA	922	NA	NA	[Error: non-varying phenotype or genotype]
184.2 Cancer of o	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
986 Toxic effect	NA	NA	NA	1096	NA	NA	[Error: non-varying phenotype or genotype]
586.3 Vascular dis	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
938.1 Acute derr	NA	NA	NA	866	NA	NA	[Error: non-varying phenotype or genotype]
131 Protozoan i	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
560.2 Impaction c	NA	NA	NA	774	NA	NA	[Error: non-varying phenotype or genotype]
573.2 Liver replac	NA	NA	NA	922	NA	NA	[Error: non-varying phenotype or genotype]
283 Acquired h	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
647.3 Major puer	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
132.1 Pediculosis	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
260.6 Anorexia	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
712 Infective co	NA	NA	NA	914	NA	NA	[Error: non-varying phenotype or genotype]

519.1 Tracheosto	NA	NA	NA	1041	NA	NA	[Error: non-varying phenotype or genotype]
291.1 Transient r	NA	NA	NA	944	NA	NA	[Error: non-varying phenotype or genotype]
433.32 Moyamoya	NA	NA	NA	880	NA	NA	[Error: non-varying phenotype or genotype]
359.1 Muscular d	NA	NA	NA	993	NA	NA	[Error: non-varying phenotype or genotype]
965.3 Salicylates c	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
324.1 Jakob-Creu	NA	NA	NA	1093	NA	NA	[Error: non-varying phenotype or genotype]
250.5 Glycosuria c	NA	NA	NA	809	NA	NA	[Error: non-varying phenotype or genotype]
601.4 Balanopost	NA	NA	NA	1094	NA	NA	[Error: non-varying phenotype or genotype]
442.3 Aneurysm c	NA	NA	NA	914	NA	NA	[Error: non-varying phenotype or genotype]
741.5 Hemarthro:	NA	NA	NA	868	NA	NA	[Error: non-varying phenotype or genotype]
287.4 Qualitative	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
292.12 Symbolic d	NA	NA	NA	944	NA	NA	[Error: non-varying phenotype or genotype]
222 Benign neo	NA	NA	NA	1101	NA	NA	[Error: non-varying phenotype or genotype]
283.21 Hemolytic-i	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
656.9 Neonatal b	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
721.8 Other alliec	NA	NA	NA	797	NA	NA	[Error: non-varying phenotype or genotype]
750.22 Congenital	NA	NA	NA	1083	NA	NA	[Error: non-varying phenotype or genotype]
976 Poisoning b	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
710.2 Periostitis	NA	NA	NA	914	NA	NA	[Error: non-varying phenotype or genotype]
90.2 Gonococcal	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
752.1 Neural tubε	NA	NA	NA	1084	NA	NA	[Error: non-varying phenotype or genotype]
656.4 Hemorrhag	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
8.7 Intestinal ir	NA	NA	NA	1071	NA	NA	[Error: non-varying phenotype or genotype]
750.11 Esophageal	NA	NA	NA	1083	NA	NA	[Error: non-varying phenotype or genotype]
145.4 Cancer of tl	NA	NA	NA	1087	NA	NA	[Error: non-varying phenotype or genotype]
155.1 Malignant r	NA	NA	NA	1048	NA	NA	[Error: non-varying phenotype or genotype]
187.8 Neoplasm c	NA	NA	NA	1101	NA	NA	[Error: non-varying phenotype or genotype]
270.31 Polyclonal f	NA	NA	NA	1069	NA	NA	[Error: non-varying phenotype or genotype]
965.2 Antirheumε	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
984 Toxic effect	NA	NA	NA	1096	NA	NA	[Error: non-varying phenotype or genotype]
132 Infestation	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
257.1 Testicular h	NA	NA	NA	954	NA	NA	[Error: non-varying phenotype or genotype]
870.2 Open woun	NA	NA	NA	1005	NA	NA	[Error: non-varying phenotype or genotype]

731 Osteitis def NA	NA	NA	NA	900 NA	NA	[Error: non-varying phenotype or genotype]
751.12 Congenital NA	NA	NA	NA	1083 NA	NA	[Error: non-varying phenotype or genotype]
823 Fracture of NA	NA	NA	NA	937 NA	NA	[Error: non-varying phenotype or genotype]
446.1 Thromboar NA	NA	NA	NA	914 NA	NA	[Error: non-varying phenotype or genotype]
368.5 Color visior NA	NA	NA	NA	1002 NA	NA	[Error: non-varying phenotype or genotype]
797.1 Cardiogenic NA	NA	NA	NA	1098 NA	NA	[Error: non-varying phenotype or genotype]
256.1 Hyperestro NA	NA	NA	NA	954 NA	NA	[Error: non-varying phenotype or genotype]
964 Poisoning b NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
603.1 Hydrocele NA	NA	NA	NA	1095 NA	NA	[Error: non-varying phenotype or genotype]
972.2 Antilipemic NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
751.3 Obstructive NA	NA	NA	NA	1083 NA	NA	[Error: non-varying phenotype or genotype]
258 Iatrogenic e NA	NA	NA	NA	954 NA	NA	[Error: non-varying phenotype or genotype]
500.1 Extrinsic all NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
626.21 Mittelschm NA	NA	NA	NA	663 NA	NA	[Error: non-varying phenotype or genotype]
656.2 Respiratory NA	NA	NA	NA	1100 NA	NA	[Error: non-varying phenotype or genotype]
596.1 Bladder nec NA	NA	NA	NA	1023 NA	NA	[Error: non-varying phenotype or genotype]
601.1 Prostatitis NA	NA	NA	NA	1094 NA	NA	[Error: non-varying phenotype or genotype]
647.1 Infections c NA	NA	NA	NA	1100 NA	NA	[Error: non-varying phenotype or genotype]
41.21 Rheumatic NA	NA	NA	NA	1053 NA	NA	[Error: non-varying phenotype or genotype]
264.9 Lack of nori NA	NA	NA	NA	830 NA	NA	[Error: non-varying phenotype or genotype]
289.3 Personal hi: NA	NA	NA	NA	967 NA	NA	[Error: non-varying phenotype or genotype]
795 Other and r NA	NA	NA	NA	1094 NA	NA	[Error: non-varying phenotype or genotype]
751.22 Other speci NA	NA	NA	NA	1083 NA	NA	[Error: non-varying phenotype or genotype]
149.9 Cancer of o NA	NA	NA	NA	1087 NA	NA	[Error: non-varying phenotype or genotype]
264 Lack of nori NA	NA	NA	NA	830 NA	NA	[Error: non-varying phenotype or genotype]
674 Other comç NA	NA	NA	NA	1100 NA	NA	[Error: non-varying phenotype or genotype]
757 Congenital NA	NA	NA	NA	1085 NA	NA	[Error: non-varying phenotype or genotype]
960.3 Poisoning b NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
257 Testicular d NA	NA	NA	NA	954 NA	NA	[Error: non-varying phenotype or genotype]
967 Adverse eff NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
599.7 Urethral dis: NA	NA	NA	NA	771 NA	NA	[Error: non-varying phenotype or genotype]
601.8 Other inflar NA	NA	NA	NA	1094 NA	NA	[Error: non-varying phenotype or genotype]
285.8 Hemoglobii NA	NA	NA	NA	979 NA	NA	[Error: non-varying phenotype or genotype]

313.2 Tics and st	NA	NA	NA	1088	NA	NA	[Error: non-varying phenotype or genotype]
783.1 Postproced	NA	NA	NA	1007	NA	NA	[Error: non-varying phenotype or genotype]
204.3 Monocytic	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
264.2 Failure to t	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
526.8 Exostosis o	NA	NA	NA	1007	NA	NA	[Error: non-varying phenotype or genotype]
204.4 Multiple m	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
303.31 Gastrointes	NA	NA	NA	682	NA	NA	[Error: non-varying phenotype or genotype]
624.1 Dystrophy c	NA	NA	NA	977	NA	NA	[Error: non-varying phenotype or genotype]
614.4 Inflammato	NA	NA	NA	1022	NA	NA	[Error: non-varying phenotype or genotype]
264.1 Short statu	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
710.3 Osteopathy	NA	NA	NA	914	NA	NA	[Error: non-varying phenotype or genotype]
283.2 Non-autoim	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
325 Phlebitis an	NA	NA	NA	1093	NA	NA	[Error: non-varying phenotype or genotype]
981 Toxic effect	NA	NA	NA	1096	NA	NA	[Error: non-varying phenotype or genotype]
81.11 Acute graft	NA	NA	NA	1091	NA	NA	[Error: non-varying phenotype or genotype]
225.2 Benign neo	NA	NA	NA	1073	NA	NA	[Error: non-varying phenotype or genotype]
348.4 Cerebral cy	NA	NA	NA	901	NA	NA	[Error: non-varying phenotype or genotype]
635.3 Placenta pr	NA	NA	NA	1091	NA	NA	[Error: non-varying phenotype or genotype]
41.9 Infection w	NA	NA	NA	1053	NA	NA	[Error: non-varying phenotype or genotype]
261.1 Vitamin A d	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
656.5 Hematologi	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
586.12 Vesicouretr	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
145.2 Cancer of t	NA	NA	NA	1087	NA	NA	[Error: non-varying phenotype or genotype]
250.13 Type 1 diab	NA	NA	NA	809	NA	NA	[Error: non-varying phenotype or genotype]
284.2 Constitutio	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
285.3 Sideroblast	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
389.5 Disorders o	NA	NA	NA	909	NA	NA	[Error: non-varying phenotype or genotype]
711.2 Reiter's dis	NA	NA	NA	914	NA	NA	[Error: non-varying phenotype or genotype]
313.3 Autism	NA	NA	NA	1088	NA	NA	[Error: non-varying phenotype or genotype]
749.2 Congenital	NA	NA	NA	1096	NA	NA	[Error: non-varying phenotype or genotype]
90 Sexually tra	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
736.3 Acquired d	NA	NA	NA	930	NA	NA	[Error: non-varying phenotype or genotype]
270.38 Other speci	NA	NA	NA	1069	NA	NA	[Error: non-varying phenotype or genotype]

255.22 Mineralocorticoid disorders	NA	NA	NA	954	NA	NA	[Error: non-varying phenotype or genotype]
604 Disorders of mineralocorticoid metabolism	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
733.6 Costochondritis	NA	NA	NA	900	NA	NA	[Error: non-varying phenotype or genotype]
277.2 Other disorders of the chest wall	NA	NA	NA	1064	NA	NA	[Error: non-varying phenotype or genotype]
275.2 Disorders of the chest wall	NA	NA	NA	1021	NA	NA	[Error: non-varying phenotype or genotype]
255.3 Adrenogenital disorders	NA	NA	NA	954	NA	NA	[Error: non-varying phenotype or genotype]
202.23 Lymphosarcoma	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
528.3 Cellulitis and abscesses	NA	NA	NA	1046	NA	NA	[Error: non-varying phenotype or genotype]
634.3 Ectopic pregnancy	NA	NA	NA	1091	NA	NA	[Error: non-varying phenotype or genotype]
964.1 Anticoagulants	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
962.3 Hormones and hormone therapy	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
654 Other and unspecified disorders of the endocrine system	NA	NA	NA	1097	NA	NA	[Error: non-varying phenotype or genotype]
870.8 Open wounds, lacerations and tears, not elsewhere classified	NA	NA	NA	1005	NA	NA	[Error: non-varying phenotype or genotype]
368.7 Disorders of the musculoskeletal system	NA	NA	NA	1002	NA	NA	[Error: non-varying phenotype or genotype]
599.1 Urinary obstruction	NA	NA	NA	771	NA	NA	[Error: non-varying phenotype or genotype]
656.26 Transitory tremor	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
285.22 Anemia in renal disease	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
874 Complications of wounds, lacerations and tears, not elsewhere classified	NA	NA	NA	1005	NA	NA	[Error: non-varying phenotype or genotype]
756.21 Pectus excavatum	NA	NA	NA	1073	NA	NA	[Error: non-varying phenotype or genotype]
358.1 Myasthenia gravis	NA	NA	NA	993	NA	NA	[Error: non-varying phenotype or genotype]
286.3 Coagulation disorders	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
656.22 Interstitial cystitis	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
149.5 Hx of malignant neoplasm	NA	NA	NA	1087	NA	NA	[Error: non-varying phenotype or genotype]
960.1 Adverse effects of drugs	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
536.7 Complications of pregnancy, childbirth and the puerperium	NA	NA	NA	976	NA	NA	[Error: non-varying phenotype or genotype]
614.33 Pelvic inflammatory disease	NA	NA	NA	1022	NA	NA	[Error: non-varying phenotype or genotype]
528.41 Cyst of the pancreas	NA	NA	NA	1046	NA	NA	[Error: non-varying phenotype or genotype]
157 Pancreatic disorders	NA	NA	NA	1048	NA	NA	[Error: non-varying phenotype or genotype]
301.1 Schizoid personality disorder	NA	NA	NA	682	NA	NA	[Error: non-varying phenotype or genotype]
275.53 Disorders of the eye	NA	NA	NA	1021	NA	NA	[Error: non-varying phenotype or genotype]
523.32 Chronic periodontitis	NA	NA	NA	1007	NA	NA	[Error: non-varying phenotype or genotype]
603.2 Spermatocystitis	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
364.9 Cornea repair	NA	NA	NA	955	NA	NA	[Error: non-varying phenotype or genotype]

604.1 Redundant NA	NA	NA	NA	1095 NA	NA	[Error: non-varying phenotype or genotype]
521.4 Tooth comr NA	NA	NA	NA	1007 NA	NA	[Error: non-varying phenotype or genotype]
656.6 Perinatal di NA	NA	NA	NA	1100 NA	NA	[Error: non-varying phenotype or genotype]
751.11 Congenital NA	NA	NA	NA	1083 NA	NA	[Error: non-varying phenotype or genotype]
987 Toxic effect NA	NA	NA	NA	1096 NA	NA	[Error: non-varying phenotype or genotype]
324 Other CNS i NA	NA	NA	NA	1093 NA	NA	[Error: non-varying phenotype or genotype]
446.2 Acute febril NA	NA	NA	NA	914 NA	NA	[Error: non-varying phenotype or genotype]
512.3 Abnormal c NA	NA	NA	NA	413 NA	NA	[Error: non-varying phenotype or genotype]
446.6 Polyarteriti: NA	NA	NA	NA	914 NA	NA	[Error: non-varying phenotype or genotype]
729.1 Rheumatisr NA	NA	NA	NA	692 NA	NA	[Error: non-varying phenotype or genotype]
261.3 Vitamin C d NA	NA	NA	NA	830 NA	NA	[Error: non-varying phenotype or genotype]
971 Poisoning b NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
282.9 Other here: NA	NA	NA	NA	979 NA	NA	[Error: non-varying phenotype or genotype]
741.6 Villonodula NA	NA	NA	NA	868 NA	NA	[Error: non-varying phenotype or genotype]
498 Acute bron: NA	NA	NA	NA	854 NA	NA	[Error: non-varying phenotype or genotype]
749.1 Cleft palate NA	NA	NA	NA	964 NA	NA	[Error: non-varying phenotype or genotype]
201 Hodgkin's d NA	NA	NA	NA	1089 NA	NA	[Error: non-varying phenotype or genotype]
560.3 Peritoneal c NA	NA	NA	NA	774 NA	NA	[Error: non-varying phenotype or genotype]
780 Hypotherm NA	NA	NA	NA	1102 NA	NA	[Error: non-varying phenotype or genotype]
600 Hyperplasi: NA	NA	NA	NA	1094 NA	NA	[Error: non-varying phenotype or genotype]
149.1 Cancer of o NA	NA	NA	NA	1087 NA	NA	[Error: non-varying phenotype or genotype]
966 Poisoning b NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
602.3 Dysplasia o: NA	NA	NA	NA	1094 NA	NA	[Error: non-varying phenotype or genotype]
742.1 Loose body NA	NA	NA	NA	868 NA	NA	[Error: non-varying phenotype or genotype]
939.1 Contact an: NA	NA	NA	NA	866 NA	NA	[Error: non-varying phenotype or genotype]
974 Poisoning b NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
272.14 Hyperchylo NA	NA	NA	NA	390 NA	NA	[Error: non-varying phenotype or genotype]
500 Lung diseas NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
440.21 Atheroscler NA	NA	NA	NA	914 NA	NA	[Error: non-varying phenotype or genotype]
259.4 Precocious NA	NA	NA	NA	954 NA	NA	[Error: non-varying phenotype or genotype]
716.3 Kaschin-Ber: NA	NA	NA	NA	914 NA	NA	[Error: non-varying phenotype or genotype]
289.1 Myelofibro: NA	NA	NA	NA	967 NA	NA	[Error: non-varying phenotype or genotype]
271.9 Other disor NA	NA	NA	NA	1098 NA	NA	[Error: non-varying phenotype or genotype]

644 Anemia dur	NA	NA	NA	1101	NA	NA	[Error: non-varying phenotype or genotype]
957 Injury to ot	NA	NA	NA	1102	NA	NA	[Error: non-varying phenotype or genotype]
574.11 Cholelithias	NA	NA	NA	1044	NA	NA	[Error: non-varying phenotype or genotype]
279.8 Other speci	NA	NA	NA	996	NA	NA	[Error: non-varying phenotype or genotype]
601 Inflammatic	NA	NA	NA	1094	NA	NA	[Error: non-varying phenotype or genotype]
608 Other disor	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
750.13 Congenital	NA	NA	NA	1083	NA	NA	[Error: non-varying phenotype or genotype]
216.1 Screening f	NA	NA	NA	866	NA	NA	[Error: non-varying phenotype or genotype]
361.2 Retinoschis	NA	NA	NA	955	NA	NA	[Error: non-varying phenotype or genotype]
323.2 Acute (tran	NA	NA	NA	1093	NA	NA	[Error: non-varying phenotype or genotype]
264.3 Delayed mi	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
602 Other disor	NA	NA	NA	1094	NA	NA	[Error: non-varying phenotype or genotype]
696.2 Parapsorias	NA	NA	NA	887	NA	NA	[Error: non-varying phenotype or genotype]
575.1 Cholangitis	NA	NA	NA	1044	NA	NA	[Error: non-varying phenotype or genotype]
270.11 Disturbanc	NA	NA	NA	1069	NA	NA	[Error: non-varying phenotype or genotype]
737.2 Lordosis (ac	NA	NA	NA	930	NA	NA	[Error: non-varying phenotype or genotype]
117.3 Blastomyco	NA	NA	NA	965	NA	NA	[Error: non-varying phenotype or genotype]
695.1 Toxic eryth	NA	NA	NA	887	NA	NA	[Error: non-varying phenotype or genotype]
260.22 Nutritional	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
282.5 Sickle cell a	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
459.7 Blood vess	NA	NA	NA	986	NA	NA	[Error: non-varying phenotype or genotype]
614.32 Chronic infl	NA	NA	NA	1022	NA	NA	[Error: non-varying phenotype or genotype]
756.2 Pectus and	NA	NA	NA	1073	NA	NA	[Error: non-varying phenotype or genotype]
580.2 Nephrotic s	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
603 Other disor	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
300.2 Generalizec	NA	NA	NA	682	NA	NA	[Error: non-varying phenotype or genotype]
360.3 Hypotony c	NA	NA	NA	955	NA	NA	[Error: non-varying phenotype or genotype]
601.12 Chronic prc	NA	NA	NA	1094	NA	NA	[Error: non-varying phenotype or genotype]
564.9 Personal hi	NA	NA	NA	774	NA	NA	[Error: non-varying phenotype or genotype]
604.3 Peyronie's c	NA	NA	NA	1095	NA	NA	[Error: non-varying phenotype or genotype]
283.1 Autoimmun	NA	NA	NA	979	NA	NA	[Error: non-varying phenotype or genotype]
312.3 Impulse cor	NA	NA	NA	1088	NA	NA	[Error: non-varying phenotype or genotype]
736.5 Acquired d	NA	NA	NA	930	NA	NA	[Error: non-varying phenotype or genotype]

202.21 Nodular lymphadenitis	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
253.5 Pituitary dysfunction	NA	NA	NA	954	NA	NA	[Error: non-varying phenotype or genotype]
751.1 Congenital hypothyroidism	NA	NA	NA	1083	NA	NA	[Error: non-varying phenotype or genotype]
531.1 Hemorrhagic disease of the newborn	NA	NA	NA	1057	NA	NA	[Error: non-varying phenotype or genotype]
669 Complications of pregnancy	NA	NA	NA	1102	NA	NA	[Error: non-varying phenotype or genotype]
753.1 Congenital hypothyroidism	NA	NA	NA	1084	NA	NA	[Error: non-varying phenotype or genotype]
781.1 Loss of height	NA	NA	NA	1066	NA	NA	[Error: non-varying phenotype or genotype]
204.11 Lymphoid leukemia	NA	NA	NA	1089	NA	NA	[Error: non-varying phenotype or genotype]
442.2 Aneurysm of the aorta	NA	NA	NA	914	NA	NA	[Error: non-varying phenotype or genotype]
973 Poisoning by barbiturates	NA	NA	NA	982	NA	NA	[Error: non-varying phenotype or genotype]
528.11 Stomatitis	NA	NA	NA	1046	NA	NA	[Error: non-varying phenotype or genotype]
90.3 Venereal diseases	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
364.2 Corneal edema	NA	NA	NA	955	NA	NA	[Error: non-varying phenotype or genotype]
656.7 Conditions of the eye	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
333.3 Tics and chorea	NA	NA	NA	901	NA	NA	[Error: non-varying phenotype or genotype]
529.1 Glossitis	NA	NA	NA	1046	NA	NA	[Error: non-varying phenotype or genotype]
942 Infusion and transfusion reactions	NA	NA	NA	866	NA	NA	[Error: non-varying phenotype or genotype]
654.2 Rhesus isoimmunization	NA	NA	NA	1097	NA	NA	[Error: non-varying phenotype or genotype]
530.7 Gastroesophageal reflux disease	NA	NA	NA	691	NA	NA	[Error: non-varying phenotype or genotype]
656.3 Endocrine disorders	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
676 Other disorders of the endocrine system	NA	NA	NA	1100	NA	NA	[Error: non-varying phenotype or genotype]
755.3 Congenital hypothyroidism	NA	NA	NA	1073	NA	NA	[Error: non-varying phenotype or genotype]
270.35 Macroglobulinemia	NA	NA	NA	1069	NA	NA	[Error: non-varying phenotype or genotype]
270.2 Disorders of hemostasis	NA	NA	NA	1069	NA	NA	[Error: non-varying phenotype or genotype]
796 Elevated prothrombin time	NA	NA	NA	1094	NA	NA	[Error: non-varying phenotype or genotype]
286.11 Von Willebrand disease	NA	NA	NA	918	NA	NA	[Error: non-varying phenotype or genotype]
255.13 Medulloblastoma	NA	NA	NA	954	NA	NA	[Error: non-varying phenotype or genotype]
250.21 Type 2 diabetes mellitus	NA	NA	NA	809	NA	NA	[Error: non-varying phenotype or genotype]
260.21 Kwashiorkor	NA	NA	NA	830	NA	NA	[Error: non-varying phenotype or genotype]
569.1 Toxic gastritis	NA	NA	NA	968	NA	NA	[Error: non-varying phenotype or genotype]
636.3 Hemorrhagic disease of the newborn	NA	NA	NA	1091	NA	NA	[Error: non-varying phenotype or genotype]
528.7 Sialolithiasis	NA	NA	NA	1046	NA	NA	[Error: non-varying phenotype or genotype]
270.12 Phenylketonuria	NA	NA	NA	1069	NA	NA	[Error: non-varying phenotype or genotype]



755.4 Congenital NA	NA	NA	NA	1073 NA	NA	[Error: non-varying phenotype or genotype]
975 Poisoning b NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
145.5 Cancer of tl NA	NA	NA	NA	1087 NA	NA	[Error: non-varying phenotype or genotype]
371.9 Chronic infl NA	NA	NA	NA	878 NA	NA	[Error: non-varying phenotype or genotype]
706.3 Seborrhea NA	NA	NA	NA	947 NA	NA	[Error: non-varying phenotype or genotype]
528.6 Leukoplakiã NA	NA	NA	NA	1046 NA	NA	[Error: non-varying phenotype or genotype]
601.11 Acute prost NA	NA	NA	NA	1094 NA	NA	[Error: non-varying phenotype or genotype]
609.1 Infertility, n NA	NA	NA	NA	1095 NA	NA	[Error: non-varying phenotype or genotype]
952 Spinal cord NA	NA	NA	NA	1102 NA	NA	[Error: non-varying phenotype or genotype]
597.2 Urinary con NA	NA	NA	NA	1023 NA	NA	[Error: non-varying phenotype or genotype]
81.12 Chronic gra NA	NA	NA	NA	1091 NA	NA	[Error: non-varying phenotype or genotype]
513.31 Apnea NA	NA	NA	NA	1061 NA	NA	[Error: non-varying phenotype or genotype]
972.6 Antihypertẽ NA	NA	NA	NA	982 NA	NA	[Error: non-varying phenotype or genotype]
736.4 Genu valgu NA	NA	NA	NA	930 NA	NA	[Error: non-varying phenotype or genotype]
731.1 Osteitis def NA	NA	NA	NA	900 NA	NA	[Error: non-varying phenotype or genotype]
686.5 Pyoderma NA	NA	NA	NA	943 NA	NA	[Error: non-varying phenotype or genotype]
609.11 Azoosperm NA	NA	NA	NA	1095 NA	NA	[Error: non-varying phenotype or genotype]
752.11 Spina bifida NA	NA	NA	NA	1084 NA	NA	[Error: non-varying phenotype or genotype]
117.2 Coccidioido NA	NA	NA	NA	965 NA	NA	[Error: non-varying phenotype or genotype]
250.11 Type 1 diab NA	NA	NA	NA	809 NA	NA	[Error: non-varying phenotype or genotype]
149.3 Cancer of h NA	NA	NA	NA	1087 NA	NA	[Error: non-varying phenotype or genotype]
364.4 Corneal deę NA	NA	NA	NA	955 NA	NA	[Error: non-varying phenotype or genotype]
537.1 Lesions of s NA	NA	NA	NA	976 NA	NA	[Error: non-varying phenotype or genotype]
790.9 Abnormal a NA	NA	NA	NA	951 NA	NA	[Error: non-varying phenotype or genotype]
500.2 Pneumocor NA	NA	NA	NA	935 NA	NA	[Error: non-varying phenotype or genotype]
204.21 Myeloid leu NA	NA	NA	NA	1089 NA	NA	[Error: non-varying phenotype or genotype]
202.24 Large cell ly NA	NA	NA	NA	1089 NA	NA	[Error: non-varying phenotype or genotype]
8.51 Intestinal e NA	NA	NA	NA	1071 NA	NA	[Error: non-varying phenotype or genotype]
860 Bone marrc NA	NA	NA	NA	1102 NA	NA	[Error: non-varying phenotype or genotype]
263 Other nutri NA	NA	NA	NA	830 NA	NA	[Error: non-varying phenotype or genotype]
636.2 Early onset NA	NA	NA	NA	1091 NA	NA	[Error: non-varying phenotype or genotype]
159.3 Malignant r NA	NA	NA	NA	1048 NA	NA	[Error: non-varying phenotype or genotype]
202.22 Reticulosar NA	NA	NA	NA	1089 NA	NA	[Error: non-varying phenotype or genotype]

446.7 Takayasu's NA	NA	NA	NA	914 NA	NA	[Error: non-varying phenotype or genotype]
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Supplemental table E6: RDW is associated with echocardiographic findings of right and left heart dysfunction in non-anemic patients

Echocardiographic characteristic	Odds ratio (25th vs. 75th)	Lower 0.95	Upper 0.95	Predicted Median Value at 25 <sup>th</sup> % RDW	Predicted Median Value at 75 <sup>th</sup> % RDW	P values	N
Right ventricular systolic pressure	1.80	1.70	1.92	27.5mmHg	33.1mmHg	<1 x10 <sup>-7</sup>	4020
Right atrial pressure	1.61	1.51	1.72	3.7mmHg	4.7mmHg	<1 x10 <sup>-7</sup>	3496
Right ventricular outflow tract acceleration time	0.69	0.63	0.75	131ms	117ms	<1 x10 <sup>-7</sup>	2187
Left ventricle posterior wall diameter	1.19	1.12	1.25	9.0mm	9.8mm	<1 x10 <sup>-7</sup>	4443
Left ventricle internal diameter end-diastole	1.19	1.12	1.26	42.5mm	43.8mm	<1 x10 <sup>-7</sup>	4458
Left ventricle internal diameter end-systole	1.19	1.12	1.26	27.0mm	28.0mm	<1 x10 <sup>-7</sup>	4419
Right atrial size	1.40	1.25	1.57	N/A	N/A	<1 x10 <sup>-7</sup>	2451
Right ventricle size	1.43	1.26	1.62	N/A	N/A	<1 x10 <sup>-7</sup>	2557
Right ventricle function	1.46	1.27	1.68	N/A	N/A	<1.1 x10 <sup>-7</sup>	2521
Left atrial size	1.25	1.15	1.37	N/A	N/A	5.7 x10 <sup>-7</sup>	2545
Left ventricle function	1.37	1.19	1.57	N/A	N/A	8.3 x10 <sup>-6</sup>	2568
Interventricular septum diameter	1.14	1.07	1.21	10.3m	10.9mm	2.8 x10 <sup>-5</sup>	3481
Left ventricular ejection fraction	0.89	0.84	0.94	54.4%	54.1%	0.0002	4374
Left ventricle function	1.11	1.04	1.18	Na	Na	0.002	4447
Aortic root diameter	1.09	1.03	1.16	28.0mm	28.6mm	0.002	4193
Right ventricle internal diameter end-diastole	1.16	1.05	1.27	29.8mm	29.5mm	0.003	1659
Mitral valve deceleration time	0.91	0.84	0.99	209ms	203ms	0.03	2081

Increased odds ratio represents worsening function and larger size for ventricular measurements.  
P value threshold after Bonferroni correction: 0.003

Supplemental Table E7: The association of RDW with standard hemodynamic parameters obtained by right heart catheterization

Measurement	Odds ratio (75th vs. 25th)	Lower 0.95	Upper 0.95	Predicted Value at 25 <sup>th</sup> % RDW	Predicted Value at 75 <sup>th</sup> % RDW	P values	N
Pulmonary artery oxygen saturation	0.37	0.32	0.44	73%	67%	<1 x10 <sup>-7</sup>	611
Mean pulmonary artery pressure	2.77	2.35	3.26	21mmHg	33mmHg	<1 x10 <sup>-7</sup>	618
Right atrial oxygen saturation	0.41	0.34	0.50	66%	73%	<1 x10 <sup>-7</sup>	410
Diastolic pulmonary artery pressure	2.64	2.23	3.11	13mmHg	22mmHg	<1 x10 <sup>-7</sup>	618
Systolic pulmonary artery pressure	2.60	2.21	3.06	32mmHg	48mmHg	<1 x10 <sup>-7</sup>	617
Systolic right ventricular pressure	2.29	1.97	2.66	33mmHg	45mmHg	<1 x10 <sup>-7</sup>	692
Diastolic right ventricular pressure	1.95	1.67	2.27	6.8mmHg	10.1mmHg	<1 x10 <sup>-7</sup>	691
Pulmonary artery proportional pulse pressure	2.19	1.86	2.57	19mmHg	27mmHg	<1 x10 <sup>-7</sup>	617
Pulmonary vascular resistance	2.47	2.11	2.89	1.9Woods	2.7Woods	<1 x10 <sup>-7</sup>	638
Transpulmonary gradient	2.42	2.04	2.87	10mmHg	17mmHg	<1 x10 <sup>-7</sup>	568
Right ventricular stroke volume	0.38	0.31	0.47	77ml	57ml	<1 x10 <sup>-7</sup>	343
Right atrial pressure	1.87	1.61	2.18	4.6mmHg	7.3mmHg	<1 x10 <sup>-7</sup>	658
Diastolic pressure gradient	1.99	1.68	2.36	1.9mmHg	6mmHg	<1 x10 <sup>-7</sup>	568
Cardiac index by thermodilution	0.60	0.51	0.70	2.7 L/min/m <sup>2</sup>	2.4 L/min/m <sup>2</sup>	<1 x10 <sup>-7</sup>	562
Aortic oxygen saturation	0.59	0.49	0.70	97.4%	95.9%	<1 x10 <sup>-7</sup>	514
Mean pulmonary wedge pressure	1.54	1.32	1.79	8.7mmH	11.8mmHg	<1 x10 <sup>-7</sup>	633
Systemic vascular resistance (Woods units)	1.54	1.31	1.82	8.7Woods	11.8Woods	1.4 x10 <sup>-7</sup>	557
Central venous pressure to pulmonary capillary wedge pressure ratio	1.38	1.17	1.61	0.54	0.64	8.6 x10 <sup>-5</sup>	595
Diastolic blood pressure	1.24	1.07	1.43	71mmHg	73mmHg	0.0047	637
Mean arterial pressure	1.04	0.90	1.21	93mmHg	94mmHg	0.57	633
Resistance-compliance product	1.05	0.86	1.30	0.49	0.51	0.62	270
Systolic blood pressure	0.97	0.84	1.13	129mmHh	128mmHg	0.73	647

P value threshold after Bonferroni correction: 0.002