

Effect of Vocabulary Mapping on Phenotype Cohorts

SUPPLEMENT

This supplementary document contains documentation of all concept sets used in the terminology mapping experiments.

The enclosed information is also available as excel spreadsheets, as well as hard-coded SQL queries on a public GitHub

(https://github.com/mattlevine22/emerge2ohdsi_information_loss_CURATED.git)

Within the GitHub, the excel files can be found in “concept_set_documentation” and the SQL queries are in “concept_set_specific_queries”.

ADHD: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44825316	Hyperkinetic syndrome of childhood	314	ICD9CM	n
44821835	Attention deficit disorder of childhood	314.0	ICD9CM	n
44822997	Attention deficit disorder with hyperactivity	314.01	ICD9CM	n
44821836	Hyperkinesis with developmental delay	314.1	ICD9CM	n
44829952	Hyperkinetic conduct disorder	314.2	ICD9CM	n
44833427	Other specified manifestations of hyperkinetic syndrome	314.8	ICD9CM	n
44827676	Unspecified hyperkinetic syndrome	314.9	ICD9CM	n

ADHD: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
440086	Child attention deficit disorder	192127007	SNOMED	n
437261	Hyperkinesis with developmental delay	192131001	SNOMED	n
438132	Hyperkinetic conduct disorder	192132008	SNOMED	n
4041692	Deficits in attention motor control and perception	229715008	SNOMED	n
4049391	Undifferentiated attention deficit disorder	23148009	SNOMED	n
4149904	Attention deficit hyperactivity disorder, combined type	31177006	SNOMED	n
438409	Attention deficit hyperactivity disorder	406506008	SNOMED	n
44784525	Attention deficit hyperactivity disorder, predominantly hyperactive impulsive type in remission	698692009	SNOMED	n
4253962	Attention deficit hyperactivity disorder, predominantly hyperactive impulsive type	7461003	SNOMED	n
44825316	Hyperkinetic syndrome of childhood	314	ICD9CM	n
44821835	Attention deficit disorder of childhood	314.0	ICD9CM	n
44822997	Attention deficit disorder with hyperactivity	314.01	ICD9CM	n
44821836	Hyperkinesis with developmental delay	314.1	ICD9CM	n
44829952	Hyperkinetic conduct disorder	314.2	ICD9CM	n
44833427	Other specified manifestations of hyperkinetic syndrome	314.8	ICD9CM	n
44827676	Unspecified hyperkinetic syndrome	314.9	ICD9CM	n
1568263	Attention-deficit hyperactivity disorders	F90	ICD10CM	n
35207263	Attention-deficit hyperactivity disorder, predominantly hyperactive type	F90.1	ICD10CM	n

45552506	Attention-deficit hyperactivity disorder, combined type	F90.2	ICD10CM	n
35207264	Attention-deficit hyperactivity disorder, other type	F90.8	ICD10CM	n
35207265	Attention-deficit hyperactivity disorder, unspecified type	F90.9	ICD10CM	n
45581476	Hyperkinetic disorders	F90	ICD10	n
45605518	Hyperkinetic conduct disorder	F90.1	ICD10	n
45586262	Other hyperkinetic disorders	F90.8	ICD10	n
45533124	Hyperkinetic disorder, unspecified	F90.9	ICD10	n

ADHD: Knowledge Engineered SNOMED Mimic				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
437261	Hyperkinesis with developmental delay	192131001	SNOMED	n
438132	Hyperkinetic conduct disorder	192132008	SNOMED	n
438409	Attention deficit hyperactivity disorder	406506008	SNOMED	n

ADHD: Knowledge Engineered SNOMED Optimize				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
437261	Hyperkinesis with developmental delay	192131001	SNOMED	n
438132	Hyperkinetic conduct disorder	192132008	SNOMED	n
4041692	Deficits in attention motor control and perception	229715008	SNOMED	n
4049391	Undifferentiated attention deficit disorder	23148009	SNOMED	n
4149904	Attention deficit hyperactivity disorder, combined type	31177006	SNOMED	n
438409	Attention deficit hyperactivity disorder	406506008	SNOMED	n
44784525	Attention deficit hyperactivity disorder, predominantly hyperactive impulsive type in remission	698692009	SNOMED	n
4253962	Attention deficit hyperactivity disorder, predominantly hyperactive impulsive type	7461003	SNOMED	n

Appendicitis: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44831310	Acute appendicitis	540	ICD9CM	n
44830151	Acute appendicitis with generalized peritonitis	540.0	ICD9CM	n
44834807	Acute appendicitis with peritoneal abscess	540.1	ICD9CM	n
44830152	Acute appendicitis without mention of peritonitis	540.9	ICD9CM	n

Appendicitis: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
45601166	Acute appendicitis	K35	ICD10	n
45552925	Acute appendicitis with generalized peritonitis	K35.2	ICD10	n
45557650	Acute appendicitis with localized peritonitis	K35.3	ICD10	n
45567300	Acute appendicitis, other and unspecified	K35.8	ICD10	n
1569579	Acute appendicitis	K35	ICD10CM	n
920136	Acute appendicitis with generalized peritonitis	K35.2	ICD10CM	n
920137	Acute appendicitis with localized peritonitis	K35.3	ICD10CM	n
1569580	Other and unspecified acute appendicitis	K35.8	ICD10CM	n
45538522	Unspecified acute appendicitis	K35.80	ICD10CM	n
45605933	Other acute appendicitis	K35.89	ICD10CM	n
44831310	Acute appendicitis	540	ICD9CM	n
44830151	Acute appendicitis with generalized peritonitis	540.0	ICD9CM	n
44834807	Acute appendicitis with peritoneal abscess	540.1	ICD9CM	n
44830152	Acute appendicitis without mention of peritonitis	540.9	ICD9CM	n
4057524	Acute appendicitis with peritonitis	196781001	SNOMED	n
4340802	Acute focal appendicitis	235769005	SNOMED	n
4340803	Acute suppurative appendicitis	235770006	SNOMED	n
4141626	Acute appendicitis with appendix abscess	266439004	SNOMED	n
4151696	Acute obstructive appendicitis with perforation AND peritonitis	28358004	SNOMED	n
4117866	Acute perforated appendicitis	286967008	SNOMED	n
196149	Acute appendicitis with generalized peritonitis	28845006	SNOMED	n
4177979	Acute obstructive appendicitis	4998000	SNOMED	n
4178300	Acute gangrenous appendicitis	50846009	SNOMED	n
193238	Acute appendicitis with peritoneal abscess	51036000	SNOMED	n

4275886	Acute gangrenous appendicitis with perforation AND peritonitis	64252005	SNOMED	n
4277609	Acute fulminating appendicitis with perforation AND peritonitis	64994000	SNOMED	n
44784251	Acute appendicitis with localized peritonitis	698294004	SNOMED	n
441604	Acute appendicitis without peritonitis	72048003	SNOMED	n
4222930	Acute fulminating appendicitis	84534001	SNOMED	n
4310400	Acute appendicitis	85189001	SNOMED	n

[illegible]

[illegible]

Cataracts: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44831165	Senile cataract, unspecified	366.10	ICD9CM	n
44830010	Incipient senile cataract	366.12	ICD9CM	n
44830011	Anterior subcapsular polar senile cataract	366.13	ICD9CM	n
44831166	Posterior subcapsular polar senile cataract	366.14	ICD9CM	n
44828913	Cortical senile cataract	366.15	ICD9CM	n
44819629	Senile nuclear sclerosis	366.16	ICD9CM	n
44828914	Total or mature cataract	366.17	ICD9CM	n
44827724	Hypermaturation cataract	366.18	ICD9CM	n
44828915	Other and combined forms of senile cataract	366.19	ICD9CM	n
44826580	Localized traumatic opacities	366.21	ICD9CM	n
44837041	Cataracta complicata, unspecified	366.30	ICD9CM	n
44833484	Diabetic cataract	366.41	ICD9CM	n
44819631	Toxic cataract	366.45	ICD9CM	n
44837043	Other cataract	366.8	ICD9CM	n
44827725	Unspecified cataract	366.9	ICD9CM	n

Cataracts: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
4001501	Calcified cataract	10970008	SNOMED	n
4007451	Axial cataract	110998005	SNOMED	n
4007944	Stationary cataract	110999002	SNOMED	n
4006784	Adherent cataract	111000003	SNOMED	n
375256	Anterior subcapsular polar senile cataract	111515007	SNOMED	n
376400	Combined form of senile cataract	11422002	SNOMED	n
4008296	Coronary cataract	12195004	SNOMED	n
4048060	Partial cataract	123614006	SNOMED	n
4048386	Osteogenesis imperfecta, recessive perinatal lethal, with microcephaly AND cataracts	15552004	SNOMED	n
36712945	Cataract of posterior subcapsule of right eye	15639401000119105	SNOMED	n
36712946	Cataract of posterior subcapsule of left eye	15639441000119107	SNOMED	n
36712947	Cataract of posterior subcapsule of bilateral eyes	15639481000119102	SNOMED	n
37108933	Bilateral posterior capsule opacification not obscuring vision	15737161000119103	SNOMED	n
37108934	Right posterior capsule opacification not obscuring vision	15737201000119108	SNOMED	n
37108935	Left posterior capsule opacification not obscuring vision	15737241000119105	SNOMED	n
37108936	Bilateral posterior capsule opacification	15737281000119100	SNOMED	n
4103579	Cortical cataract	193576003	SNOMED	n
4109424	Lamellar zonular cataract	193577007	SNOMED	n
439297	Nuclear senile cataract	193589009	SNOMED	n
4109544	Total, mature senile cataract	193590000	SNOMED	n
376973	Cataract secondary to ocular disease	193600001	SNOMED	n
381566	Cataract in eye inflammatory disorder	193602009	SNOMED	n
4108983	Toxic cataract not due to drugs	193610005	SNOMED	n

4070182	Capsular and/or subcapsular cataract	204124004	SNOMED	n
4070183	Capsular cataract	204125003	SNOMED	n
45757567	Hyperature senile cataract	217791000119107	SNOMED	n
376117	Cataract in degenerative disorder	21818003	SNOMED	n
4334868	Cataract in systemic disorders	231970007	SNOMED	n
4334869	Cataract in hypoparathyroidism	231971006	SNOMED	n
4334870	Malnutrition-dehydration cataract	231972004	SNOMED	n
4051632	Cataract in inflammatory disorder	23273003	SNOMED	n
4130588	Morgagnian cataract	264443002	SNOMED	n
379811	Hyperature cataract	267626000	SNOMED	n
4105159	Atopic cataract	2951009	SNOMED	n
4210432	Immature cortical cataract	311789006	SNOMED	n
4152554	Mixed type cataract	314766004	SNOMED	n
4199963	Anterior subcapsular cataract	315352000	SNOMED	n
4197734	Posterior subcapsular cataract	315353005	SNOMED	n
374646	Toxic cataract	38583007	SNOMED	n
381295	Age-related cataract	39450006	SNOMED	n
4230930	Punctate cataract	40714009	SNOMED	n
4259620	Anterior capsule opacification	410568009	SNOMED	n
4221495	Diabetic cataract associated with type 2 diabetes mellitus	420756003	SNOMED	n
4225656	Diabetic cataract associated with type 1 diabetes mellitus	421920002	SNOMED	n
376979	Diabetic cataract	43959009	SNOMED	n
380722	Localized traumatic opacity	43972005	SNOMED	n
40479994	Presenile cataract	441622000	SNOMED	n
40482507	Incipient senile cataract	445213003	SNOMED	n
438749	Posterior subcapsular polar senile cataract	5318001	SNOMED	n
376688	Subcapsular glaucomatous flecks	67733005	SNOMED	n
36713345	Presenile cataract of bilateral eyes	678491000119108	SNOMED	n

36713528	Cataract due to idiopathic hypoparathyroidism	717893006	SNOMED	n
36713529	Cataract due to pseudohypoparathyroidism	717894000	SNOMED	n
36713858	Cataract glaucoma syndrome	718851007	SNOMED	n
37111463	Coronary age-related cataract	726404007	SNOMED	n
37111464	Punctate age-related cataract	726405008	SNOMED	n
372624	Cataract with neovascularization	76309006	SNOMED	n
4301387	Cataracta brunescens	77873007	SNOMED	n
432895	Cortical senile cataract	78875003	SNOMED	n
377285	Mature cataract	849000	SNOMED	n
4317977	Bilateral cataracts	95722004	SNOMED	n
4319588	Subcapsular cataract	95723009	SNOMED	n
4319589	Intumescent cataract	95724003	SNOMED	n
44835867	Senile cataract	366.1	ICD9CM	n
44831165	Senile cataract, unspecified	366.10	ICD9CM	n
44830010	Incipient senile cataract	366.12	ICD9CM	n
44830011	Anterior subcapsular polar senile cataract	366.13	ICD9CM	n
44831166	Posterior subcapsular polar senile cataract	366.14	ICD9CM	n
44828913	Cortical senile cataract	366.15	ICD9CM	n
44819629	Senile nuclear sclerosis	366.16	ICD9CM	n
44828914	Total or mature cataract	366.17	ICD9CM	n
44827724	Hyper mature cataract	366.18	ICD9CM	n
44828915	Other and combined forms of senile cataract	366.19	ICD9CM	n
44826580	Localized traumatic opacities	366.21	ICD9CM	n
44824186	Cataract secondary to ocular disorders	366.3	ICD9CM	n
44837041	Cataracta complicata, unspecified	366.30	ICD9CM	n
44831167	Glaucomatous flecks (subcapsular)	366.31	ICD9CM	n
44823055	Cataract in inflammatory ocular disorders	366.32	ICD9CM	n
44830013	Cataract with neovascularization	366.33	ICD9CM	n
44828917	Cataract in degenerative ocular disorders	366.34	ICD9CM	n

44828918	Cataract associated with other disorders	366.4	ICD9CM	n
44833484	Diabetic cataract	366.41	ICD9CM	n
44819630	Tetanic cataract	366.42	ICD9CM	n
44823056	Myotonic cataract	366.43	ICD9CM	n
44830014	Cataract associated with other syndromes	366.44	ICD9CM	n
44819631	Toxic cataract	366.45	ICD9CM	n
44837043	Other cataract	366.8	ICD9CM	n
44827725	Unspecified cataract	366.9	ICD9CM	n
45566724	Diabetes mellitus due to underlying condition with diabetic cataract	E08.36	ICD10CM	n
45542732	Drug or chemical induced diabetes mellitus with diabetic cataract	E09.36	ICD10CM	n
45552382	Type 1 diabetes mellitus with diabetic cataract	E10.36	ICD10CM	n
45595798	Type 2 diabetes mellitus with diabetic cataract	E11.36	ICD10CM	n
45566734	Other specified diabetes mellitus with diabetic cataract	E13.36	ICD10CM	n
1568646	Age-related cataract	H25	ICD10CM	n
1568647	Age-related incipient cataract	H25.0	ICD10CM	n
1568648	Cortical age-related cataract	H25.01	ICD10CM	n
45591297	Cortical age-related cataract, right eye	H25.011	ICD10CM	n
45552638	Cortical age-related cataract, left eye	H25.012	ICD10CM	n
45557376	Cortical age-related cataract, bilateral	H25.013	ICD10CM	n
45567013	Cortical age-related cataract, unspecified eye	H25.019	ICD10CM	n
1568649	Anterior subcapsular polar age-related cataract	H25.03	ICD10CM	n
45576700	Anterior subcapsular polar age-related cataract, right eye	H25.031	ICD10CM	n
45586421	Anterior subcapsular polar age-related cataract, left eye	H25.032	ICD10CM	n

45591298	Anterior subcapsular polar age-related cataract, bilateral	H25.033	ICD10CM	n
45562204	Anterior subcapsular polar age-related cataract, unspecified eye	H25.039	ICD10CM	n
1568650	Posterior subcapsular polar age-related cataract	H25.04	ICD10CM	n
45538241	Posterior subcapsular polar age-related cataract, right eye	H25.041	ICD10CM	n
45547840	Posterior subcapsular polar age-related cataract, left eye	H25.042	ICD10CM	n
45605643	Posterior subcapsular polar age-related cataract, bilateral	H25.043	ICD10CM	n
45581626	Posterior subcapsular polar age-related cataract, unspecified eye	H25.049	ICD10CM	n
1568651	Other age-related incipient cataract	H25.09	ICD10CM	n
45547841	Other age-related incipient cataract, right eye	H25.091	ICD10CM	n
45547842	Other age-related incipient cataract, left eye	H25.092	ICD10CM	n
45581627	Other age-related incipient cataract, bilateral	H25.093	ICD10CM	n
45591299	Other age-related incipient cataract, unspecified eye	H25.099	ICD10CM	n
1568652	Age-related nuclear cataract	H25.1	ICD10CM	n
45557377	Age-related nuclear cataract, unspecified eye	H25.10	ICD10CM	n
45600888	Age-related nuclear cataract, right eye	H25.11	ICD10CM	n
45596049	Age-related nuclear cataract, left eye	H25.12	ICD10CM	n
45533277	Age-related nuclear cataract, bilateral	H25.13	ICD10CM	n
1568653	Age-related cataract, morgagnian type	H25.2	ICD10CM	n
45562206	Age-related cataract, morgagnian type, unspecified eye	H25.20	ICD10CM	n

45591300	Age-related cataract, morgagnian type, right eye	H25.21	ICD10CM	n
45600889	Age-related cataract, morgagnian type, left eye	H25.22	ICD10CM	n
45547843	Age-related cataract, morgagnian type, bilateral	H25.23	ICD10CM	n
1568654	Other age-related cataract	H25.8	ICD10CM	n
1568655	Combined forms of age-related cataract	H25.81	ICD10CM	n
45557378	Combined forms of age-related cataract, right eye	H25.811	ICD10CM	n
45605645	Combined forms of age-related cataract, left eye	H25.812	ICD10CM	n
45562207	Combined forms of age-related cataract, bilateral	H25.813	ICD10CM	n
45557379	Combined forms of age-related cataract, unspecified eye	H25.819	ICD10CM	n
45552639	Other age-related cataract	H25.89	ICD10CM	n
35207543	Unspecified age-related cataract	H25.9	ICD10CM	n
1568656	Other cataract	H26	ICD10CM	n
1568666	Localized traumatic opacities	H26.11	ICD10CM	n
45571927	Localized traumatic opacities, right eye	H26.111	ICD10CM	n
45557382	Localized traumatic opacities, left eye	H26.112	ICD10CM	n
45538243	Localized traumatic opacities, bilateral	H26.113	ICD10CM	n
45543007	Localized traumatic opacities, unspecified eye	H26.119	ICD10CM	n
1568667	Complicated cataract	H26.2	ICD10CM	n
45586423	Unspecified complicated cataract	H26.20	ICD10CM	n
45591303	Cataract with neovascularization	H26.21	ICD10CM	n
45605649	Cataract with neovascularization, right eye	H26.211	ICD10CM	n
45552642	Cataract with neovascularization, left eye	H26.212	ICD10CM	n
45538244	Cataract with neovascularization, bilateral	H26.213	ICD10CM	n

45600891	Cataract with neovascularization, unspecified eye	H26.219	ICD10CM	n
1568668	Cataract secondary to ocular disorders (degenerative) (inflammatory)	H26.22	ICD10CM	n
45557383	Cataract secondary to ocular disorders (degenerative) (inflammatory), right eye	H26.221	ICD10CM	n
45576703	Cataract secondary to ocular disorders (degenerative) (inflammatory), left eye	H26.222	ICD10CM	n
45543009	Cataract secondary to ocular disorders (degenerative) (inflammatory), bilateral	H26.223	ICD10CM	n
45586424	Cataract secondary to ocular disorders (degenerative) (inflammatory), unspecified eye	H26.229	ICD10CM	n
1568669	Glaucomatous flecks (subcapsular)	H26.23	ICD10CM	n
45591304	Glaucomatous flecks (subcapsular), right eye	H26.231	ICD10CM	n
45576704	Glaucomatous flecks (subcapsular), left eye	H26.232	ICD10CM	n
45533282	Glaucomatous flecks (subcapsular), bilateral	H26.233	ICD10CM	n
45600892	Glaucomatous flecks (subcapsular), unspecified eye	H26.239	ICD10CM	n
1568670	Drug-induced cataract	H26.3	ICD10CM	n
45552643	Drug-induced cataract, unspecified eye	H26.30	ICD10CM	n
45562214	Drug-induced cataract, right eye	H26.31	ICD10CM	n
45596055	Drug-induced cataract, left eye	H26.32	ICD10CM	n
45591305	Drug-induced cataract, bilateral	H26.33	ICD10CM	n
1568671	Secondary cataract	H26.4	ICD10CM	n

45557384	Unspecified secondary cataract	H26.40	ICD10CM	n
35207544	Other specified cataract	H26.8	ICD10CM	n
35207545	Unspecified cataract	H26.9	ICD10CM	n
35207548	Cataract in diseases classified elsewhere	H28	ICD10CM	n
45562203	Senile cataract	H25	ICD10	n
45576699	Senile incipient cataract	H25.0	ICD10	n
45581628	Senile nuclear cataract	H25.1	ICD10	n
45562205	Senile cataract, morgagnian type	H25.2	ICD10	n
45605644	Other senile cataract	H25.8	ICD10	n
45552640	Senile cataract, unspecified	H25.9	ICD10	n
45581629	Other cataract	H26	ICD10	n
45596054	Complicated cataract	H26.2	ICD10	n
45562213	Drug-induced cataract	H26.3	ICD10	n
45552644	Other specified cataract	H26.8	ICD10	n
45605651	Cataract, unspecified	H26.9	ICD10	n
45571931	Cataract and other disorders of lens in diseases classified elsewhere	H28	ICD10	n
45533286	Diabetic cataract	H28.0	ICD10	n
45552647	Cataract in other endocrine, nutritional and metabolic diseases	H28.1	ICD10	n
45586428	Cataract in other diseases classified elsewhere	H28.2	ICD10	n

Cataracts: Knowledge Engineered SNOMED Mimic				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
381295	Age-related cataract	39450006	SNOMED	n
40482507	Incipient senile cataract	445213003	SNOMED	n
375256	Anterior subcapsular polar senile cataract	111515007	SNOMED	n
438749	Posterior subcapsular polar senile cataract	5318001	SNOMED	n
432895	Cortical senile cataract	78875003	SNOMED	n
439297	Nuclear senile cataract	193589009	SNOMED	n
377285	Mature cataract	849000	SNOMED	n
379811	Hypermaturation cataract	267626000	SNOMED	n
376400	Combined form of senile cataract	11422002	SNOMED	n
380722	Localized traumatic opacity	43972005	SNOMED	n
376973	Cataract secondary to ocular disease	193600001	SNOMED	n
376979	Diabetic cataract	43959009	SNOMED	n
374646	Toxic cataract	38583007	SNOMED	n
375545	Cataract	193570009	SNOMED	n

Cataracts: Knowledge Engineered SNOMED Optimize				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
4001501	Calcified cataract	10970008	SNOMED	n
4007451	Axial cataract	110998005	SNOMED	n
4007944	Stationary cataract	110999002	SNOMED	n
4006784	Adherent cataract	111000003	SNOMED	n
375256	Anterior subcapsular polar senile cataract	111515007	SNOMED	n
376400	Combined form of senile cataract	11422002	SNOMED	n
45757344	Congenital capsular and/or subcapsular cataract	11711000119104	SNOMED	n
4008296	Coronary cataract	12195004	SNOMED	n
4048060	Partial cataract	123614006	SNOMED	n
4048386	Osteogenesis imperfecta, recessive perinatal lethal, with microcephaly AND cataracts	15552004	SNOMED	n
36712945	Cataract of posterior subcapsule of right eye	15639401000119105	SNOMED	n
36712946	Cataract of posterior subcapsule of left eye	15639441000119107	SNOMED	n
36712947	Cataract of posterior subcapsule of bilateral eyes	15639481000119102	SNOMED	n
37108933	Bilateral posterior capsule opacification not obscuring vision	15737161000119103	SNOMED	n
37108934	Right posterior capsule opacification not obscuring vision	15737201000119108	SNOMED	n
37108935	Left posterior capsule opacification not obscuring vision	15737241000119105	SNOMED	n
37108936	Bilateral posterior capsule opacification	15737281000119100	SNOMED	n
375545	Cataract	193570009	SNOMED	n
4103579	Cortical cataract	193576003	SNOMED	n
4109424	Lamellar zonular cataract	193577007	SNOMED	n
439297	Nuclear senile cataract	193589009	SNOMED	n
4109544	Total, mature senile cataract	193590000	SNOMED	n
376973	Cataract secondary to ocular disease	193600001	SNOMED	n
381566	Cataract in eye inflammatory disorder	193602009	SNOMED	n

4108983	Toxic cataract not due to drugs	193610005	SNOMED	n
4070182	Capsular and/or subcapsular cataract	204124004	SNOMED	n
4070183	Capsular cataract	204125003	SNOMED	n
45757567	Hypermaturation senile cataract	217791000119107	SNOMED	n
376117	Cataract in degenerative disorder	21818003	SNOMED	n
4334868	Cataract in systemic disorders	231970007	SNOMED	n
4334869	Cataract in hypoparathyroidism	231971006	SNOMED	n
4334870	Malnutrition-dehydration cataract	231972004	SNOMED	n
4051632	Cataract in inflammatory disorder	23273003	SNOMED	n
4130588	Morgagnian cataract	264443002	SNOMED	n
379811	Hypermaturation cataract	267626000	SNOMED	n
4105159	Atopic cataract	2951009	SNOMED	n
4210432	Immature cortical cataract	311789006	SNOMED	n
4152554	Mixed type cataract	314766004	SNOMED	n
4199963	Anterior subcapsular cataract	315352000	SNOMED	n
4197734	Posterior subcapsular cataract	315353005	SNOMED	n
374646	Toxic cataract	38583007	SNOMED	n
381295	Age-related cataract	39450006	SNOMED	n
4230930	Punctate cataract	40714009	SNOMED	n
4259620	Anterior capsule opacification	410568009	SNOMED	n
4221495	Diabetic cataract associated with type 2 diabetes mellitus	420756003	SNOMED	n
4225656	Diabetic cataract associated with type 1 diabetes mellitus	421920002	SNOMED	n
376979	Diabetic cataract	43959009	SNOMED	n
380722	Localized traumatic opacity	43972005	SNOMED	n
40479994	Presenile cataract	441622000	SNOMED	n
40482507	Incipient senile cataract	445213003	SNOMED	n
438749	Posterior subcapsular polar senile cataract	5318001	SNOMED	n
376688	Subcapsular glaucomatous flecks	67733005	SNOMED	n

36713345	Presenile cataract of bilateral eyes	678491000119108	SNOMED	n
36713528	Cataract due to idiopathic hypoparathyroidism	717893006	SNOMED	n
36713529	Cataract due to pseudohypoparathyroidism	717894000	SNOMED	n
36713858	Cataract glaucoma syndrome	718851007	SNOMED	n
37111463	Coronary age-related cataract	726404007	SNOMED	n
37111464	Punctate age-related cataract	726405008	SNOMED	n
372624	Cataract with neovascularization	76309006	SNOMED	n
4301387	Cataracta brunescens	77873007	SNOMED	n
432895	Cortical senile cataract	78875003	SNOMED	n
377285	Mature cataract	849000	SNOMED	n
4317977	Bilateral cataracts	95722004	SNOMED	n
4319588	Subcapsular cataract	95723009	SNOMED	n
4319589	Intumescent cataract	95724003	SNOMED	n

Chron's Disease: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44834811	Regional enteritis	555	ICD9CM	n
44827872	Regional enteritis of small intestine	555.0	ICD9CM	n
44820945	Regional enteritis of large intestine	555.1	ICD9CM	n
44825522	Regional enteritis of small intestine with large intestine	555.2	ICD9CM	n
44822028	Regional enteritis of unspecified site	555.9	ICD9CM	n

Chron's Disease: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
46274073	Abscess of intestine co-occurrent and due to Crohn's disease of large intestine	1085751000119100	SNOMED	n
46269874	Complication due to Crohn's disease of large intestine	1085761000119103	SNOMED	n
46269875	Fistula of large intestine due to Crohn's disease	1085771000119109	SNOMED	n
46269876	Intestinal obstruction due to Crohn's disease of large intestine	1085781000119107	SNOMED	n
46269877	Rectal hemorrhage due to Crohn's disease of large intestine	1085791000119105	SNOMED	n
46269878	Abscess of intestine co-occurrent and due to Crohn's disease of small and large intestine	1085801000119106	SNOMED	n
46269879	Complication due to Crohn's disease of small and large intestines	1085811000119109	SNOMED	n
46269880	Fistula of intestine due to Crohn's disease of small and large intestine	1085821000119102	SNOMED	n
46269881	Intestinal obstruction due to Crohn's disease of small and large intestine	1085831000119104	SNOMED	n
46269882	Rectal hemorrhage due to Crohn's disease of small and large intestines	1085841000119108	SNOMED	n
46269883	Abscess of intestine co-occurrent and due to Crohn's disease of small intestine	1085851000119105	SNOMED	n
46269884	Complication due to Crohn's disease of small intestine	1085861000119107	SNOMED	n
46269885	Fistula of small intestine due to Crohn's disease	1085871000119101	SNOMED	n
46269886	Intestinal obstruction due to Crohn's disease of small intestine	1085881000119103	SNOMED	n
46269887	Rectal hemorrhage due to Crohn's disease of small intestine	1085891000119100	SNOMED	n

46269888	Abscess of intestine co-occurrent and due to Crohn's disease	1085901000119101	SNOMED	n
46269889	Complication due to Crohn's disease	1085911000119103	SNOMED	n
46269890	Intestinal obstruction due to Crohn's disease	1085931000119108	SNOMED	n
46269891	Rectal hemorrhage due to Crohn's disease	1085941000119104	SNOMED	n
4055884	Orofacial Crohn's disease	196578009	SNOMED	n
4055020	Crohn's disease of terminal ileum	196977009	SNOMED	n
4122617	Orofacial Crohn's disease of gingivae	234999001	SNOMED	n
4340114	Crohn's disease of esophagus	235607002	SNOMED	n
4342643	Crohn's disease of stomach	235664007	SNOMED	n
201606	Crohn's disease	34000006	SNOMED	n
4244235	Crohn's disease of ileum	38106008	SNOMED	n
4242392	Crohn's disease of rectum	3815005	SNOMED	n
4264850	Gastrointestinal Crohn's disease	397172008	SNOMED	n
4246693	Crohn's disease of intestine	397173003	SNOMED	n
4131542	Crohn's stricture of colon	413276006	SNOMED	n
4212991	Exacerbation of Crohn's disease of large intestine	414153008	SNOMED	n
4212992	Exacerbation of Crohn's disease of small intestine	414154002	SNOMED	n
4142544	Crohn's disease in remission	426549001	SNOMED	n
4177488	Crohn's disease of colon	50440006	SNOMED	n
4210469	Crohn's disease of duodenum	56287005	SNOMED	n
195585	Crohn's disease of small intestine	56689002	SNOMED	n
4266370	Crohn's disease of pylorus	61424003	SNOMED	n
4323289	Crohn's disease of pyloric antrum	70622003	SNOMED	n
195575	Crohn's disease of small AND large intestines	71833008	SNOMED	n
36715915	Crohn disease of anal canal	721702009	SNOMED	n
36716695	Crohn disease of gastrointestinal anastomosis	722850002	SNOMED	n

194684	Crohn's disease of large bowel	7620006	SNOMED	n
36716986	Arthritis co-occurrent and due to Crohn's disease	8161000119106	SNOMED	n
4239382	Crohn's disease of jejunum	91390005	SNOMED	n
44834811	Regional enteritis	555	ICD9CM	n
44827872	Regional enteritis of small intestine	555.0	ICD9CM	n
44820945	Regional enteritis of large intestine	555.1	ICD9CM	n
44825522	Regional enteritis of small intestine with large intestine	555.2	ICD9CM	n
44822028	Regional enteritis of unspecified site	555.9	ICD9CM	n
1569610	Crohn's disease [regional enteritis]	K50	ICD10CM	n
1569611	Crohn's disease of small intestine	K50.0	ICD10CM	n
45533598	Crohn's disease of small intestine without complications	K50.00	ICD10CM	n
1569612	Crohn's disease of small intestine with complications	K50.01	ICD10CM	n
45601172	Crohn's disease of small intestine with rectal bleeding	K50.011	ICD10CM	n
45543315	Crohn's disease of small intestine with intestinal obstruction	K50.012	ICD10CM	n
45591593	Crohn's disease of small intestine with fistula	K50.013	ICD10CM	n
45557653	Crohn's disease of small intestine with abscess	K50.014	ICD10CM	n
45586716	Crohn's disease of small intestine with other complication	K50.018	ICD10CM	n
45538530	Crohn's disease of small intestine with unspecified complications	K50.019	ICD10CM	n
1569613	Crohn's disease of large intestine	K50.1	ICD10CM	n

45576986	Crohn's disease of large intestine without complications	K50.10	ICD10CM	n
1569614	Crohn's disease of large intestine with complications	K50.11	ICD10CM	n
45596325	Crohn's disease of large intestine with rectal bleeding	K50.111	ICD10CM	n
45576987	Crohn's disease of large intestine with intestinal obstruction	K50.112	ICD10CM	n
45548159	Crohn's disease of large intestine with fistula	K50.113	ICD10CM	n
45596326	Crohn's disease of large intestine with abscess	K50.114	ICD10CM	n
45581901	Crohn's disease of large intestine with other complication	K50.118	ICD10CM	n
45562489	Crohn's disease of large intestine with unspecified complications	K50.119	ICD10CM	n
1569615	Crohn's disease of both small and large intestine	K50.8	ICD10CM	n
45596327	Crohn's disease of both small and large intestine without complications	K50.80	ICD10CM	n
1569616	Crohn's disease of both small and large intestine with complications	K50.81	ICD10CM	n
45567306	Crohn's disease of both small and large intestine with rectal bleeding	K50.811	ICD10CM	n
45533600	Crohn's disease of both small and large intestine with intestinal obstruction	K50.812	ICD10CM	n
45601174	Crohn's disease of both small and large intestine with fistula	K50.813	ICD10CM	n
45533601	Crohn's disease of both small and large intestine with abscess	K50.814	ICD10CM	n
45601175	Crohn's disease of both small and large intestine with other complication	K50.818	ICD10CM	n

45581902	Crohn's disease of both small and large intestine with unspecified complications	K50.819	ICD10CM	n
1569617	Crohn's disease, unspecified	K50.9	ICD10CM	n
45601176	Crohn's disease, unspecified, without complications	K50.90	ICD10CM	n
1569618	Crohn's disease, unspecified, with complications	K50.91	ICD10CM	n
45567307	Crohn's disease, unspecified, with rectal bleeding	K50.911	ICD10CM	n
45557654	Crohn's disease, unspecified, with intestinal obstruction	K50.912	ICD10CM	n
45543316	Crohn's disease, unspecified, with fistula	K50.913	ICD10CM	n
45562491	Crohn's disease, unspecified, with abscess	K50.914	ICD10CM	n
45576988	Crohn's disease, unspecified, with other complication	K50.918	ICD10CM	n
45572211	Crohn's disease, unspecified, with unspecified complications	K50.919	ICD10CM	n
45755435	Crohn disease [regional enteritis]	K50	ICD10	n
45596324	Crohn disease of small intestine	K50.0	ICD10	n
45601173	Crohn disease of large intestine	K50.1	ICD10	n
45533599	Other Crohn disease	K50.8	ICD10	n
45562490	Crohn disease, unspecified	K50.9	ICD10	n

[illegible]

[illegible]

Heart Failure as exclusion diagnosis: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44824250	Heart failure	428	ICD9CM	n
44826642	Congestive heart failure, unspecified	428.0	ICD9CM	n
44827794	Left heart failure	428.1	ICD9CM	n
44834732	Systolic heart failure	428.2	ICD9CM	n
44830086	Systolic heart failure, unspecified	428.20	ICD9CM	n
44820869	Acute systolic heart failure	428.21	ICD9CM	n
44831248	Chronic systolic heart failure	428.22	ICD9CM	n
44833573	Acute on chronic systolic heart failure	428.23	ICD9CM	n
44831249	Diastolic heart failure	428.3	ICD9CM	n
44831250	Diastolic heart failure, unspecified	428.30	ICD9CM	n
44824251	Acute diastolic heart failure	428.31	ICD9CM	n
44835943	Chronic diastolic heart failure	428.32	ICD9CM	n
44835944	Acute on chronic diastolic heart failure	428.33	ICD9CM	n
44833574	Combined systolic and diastolic heart failure	428.4	ICD9CM	n
44832381	Combined systolic and diastolic heart failure, unspecified	428.40	ICD9CM	n
44827795	Acute combined systolic and diastolic heart failure	428.41	ICD9CM	n
44820870	Chronic combined systolic and diastolic heart failure	428.42	ICD9CM	n
44823119	Acute on chronic combined systolic and diastolic heart failure	428.43	ICD9CM	n
44827796	Heart failure, unspecified	428.9	ICD9CM	n

Heart Failure as exclusion diagnosis: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
45538369	Hypertensive heart disease with (congestive) heart failure	I11.0	ICD10	n
45572075	Hypertensive heart and renal disease with (congestive) heart failure	I13.0	ICD10	n
45552780	Hypertensive heart and renal disease with both (congestive) heart failure and renal failure	I13.2	ICD10	n
45567169	Pulmonary embolism with mention of acute cor pulmonale	I26.0	ICD10	n
45533440	Other pulmonary heart diseases	I27	ICD10	n
45548015	Pulmonary heart disease, unspecified	I27.9	ICD10	n
45581779	Heart failure	I50	ICD10	n
45567179	Congestive heart failure	I50.0	ICD10	n
45543181	Left ventricular failure	I50.1	ICD10	n
45576879	Heart failure, unspecified	I50.9	ICD10	n
45553639	Neonatal cardiac failure	P29.0	ICD10	n
35207669	Hypertensive heart disease with heart failure	I11.0	ICD10CM	n
35207673	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	I13.0	ICD10CM	n
35207674	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	I13.2	ICD10CM	n
1569148	Pulmonary embolism with acute cor pulmonale	I26.0	ICD10CM	n
45572083	Septic pulmonary embolism with acute cor pulmonale	I26.01	ICD10CM	n
45557540	Saddle embolus of pulmonary artery with acute cor pulmonale	I26.02	ICD10CM	n
45586576	Other pulmonary embolism with acute cor pulmonale	I26.09	ICD10CM	n
45601029	Cor pulmonale (chronic)	I27.81	ICD10CM	n

1569178	Heart failure	I50	ICD10CM	n
35207792	Left ventricular failure	I50.1	ICD10CM	n
1569179	Systolic (congestive) heart failure	I50.2	ICD10CM	n
45586587	Unspecified systolic (congestive) heart failure	I50.20	ICD10CM	n
45543182	Acute systolic (congestive) heart failure	I50.21	ICD10CM	n
45576878	Chronic systolic (congestive) heart failure	I50.22	ICD10CM	n
45567180	Acute on chronic systolic (congestive) heart failure	I50.23	ICD10CM	n
1569180	Diastolic (congestive) heart failure	I50.3	ICD10CM	n
45601038	Unspecified diastolic (congestive) heart failure	I50.30	ICD10CM	n
45548022	Acute diastolic (congestive) heart failure	I50.31	ICD10CM	n
45533456	Chronic diastolic (congestive) heart failure	I50.32	ICD10CM	n
45562355	Acute on chronic diastolic (congestive) heart failure	I50.33	ICD10CM	n
1569181	Combined systolic (congestive) and diastolic (congestive) heart failure	I50.4	ICD10CM	n
45533457	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	I50.40	ICD10CM	n
45591469	Acute combined systolic (congestive) and diastolic (congestive) heart failure	I50.41	ICD10CM	n
45586588	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	I50.42	ICD10CM	n
45567181	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	I50.43	ICD10CM	n
35207793	Heart failure, unspecified	I50.9	ICD10CM	n
45601110	Postprocedural cardiac insufficiency following cardiac surgery	I97.110	ICD10CM	n

45567255	Postprocedural cardiac insufficiency following other surgery	I97.111	ICD10CM	n
1569425	Postprocedural heart failure	I97.13	ICD10CM	n
35210517	Neonatal cardiac failure	P29.0	ICD10CM	n
44823108	Rheumatic heart failure (congestive)	398.91	ICD9CM	n
44833557	Malignant hypertensive heart disease with heart failure	402.01	ICD9CM	n
44823110	Benign hypertensive heart disease with heart failure	402.11	ICD9CM	n
44831230	Unspecified hypertensive heart disease with heart failure	402.91	ICD9CM	n
44819692	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	404.01	ICD9CM	n
44819693	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	404.03	ICD9CM	n
44819695	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	404.11	ICD9CM	n
44820856	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	404.13	ICD9CM	n

44819696	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	404.91	ICD9CM	n
44824235	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	404.93	ICD9CM	n
44825435	Acute cor pulmonale	415.0	ICD9CM	n
44824250	Heart failure	428	ICD9CM	n
44826642	Congestive heart failure, unspecified	428.0	ICD9CM	n
44827794	Left heart failure	428.1	ICD9CM	n
44834732	Systolic heart failure	428.2	ICD9CM	n
44830086	Systolic heart failure, unspecified	428.20	ICD9CM	n
44820869	Acute systolic heart failure	428.21	ICD9CM	n
44831248	Chronic systolic heart failure	428.22	ICD9CM	n
44833573	Acute on chronic systolic heart failure	428.23	ICD9CM	n
44831249	Diastolic heart failure	428.3	ICD9CM	n
44831250	Diastolic heart failure, unspecified	428.30	ICD9CM	n
44824251	Acute diastolic heart failure	428.31	ICD9CM	n
44835943	Chronic diastolic heart failure	428.32	ICD9CM	n
44835944	Acute on chronic diastolic heart failure	428.33	ICD9CM	n
44833574	Combined systolic and diastolic heart failure	428.4	ICD9CM	n
44832381	Combined systolic and diastolic heart failure, unspecified	428.40	ICD9CM	n
44827795	Acute combined systolic and diastolic heart failure	428.41	ICD9CM	n
44820870	Chronic combined systolic and diastolic heart failure	428.42	ICD9CM	n

44823119	Acute on chronic combined systolic and diastolic heart failure	428.43	ICD9CM	n
44827796	Heart failure, unspecified	428.9	ICD9CM	n
4004279	High output heart failure	10091002	SNOMED	n
44782428	Congestive heart failure due to cardiomyopathy	101281000119107	SNOMED	n
4014159	Chronic right-sided heart failure	10335000	SNOMED	n
4023479	Acute congestive heart failure	10633002	SNOMED	n
4009047	Chronic left-sided heart failure	111283005	SNOMED	n
43021840	Systolic heart failure stage D	120851000119104	SNOMED	n
43020421	Systolic heart failure stage C	120861000119102	SNOMED	n
43021841	Diastolic heart failure stage D	120881000119106	SNOMED	n
43021842	Diastolic heart failure stage C	120891000119109	SNOMED	n
4134890	Right heart failure	128404006	SNOMED	n
4030258	Bernheim's syndrome	13839000	SNOMED	n
44782718	Acute combined systolic and diastolic heart failure	153931000119109	SNOMED	n
44782719	Chronic combined systolic and diastolic heart failure	153941000119100	SNOMED	n
44782733	Acute on chronic combined systolic and diastolic heart failure	153951000119103	SNOMED	n
36712927	Congestive heart failure stage C due to ischaemic cardiomyopathy	15629541000119106	SNOMED	n
36712928	Congestive heart failure stage B due to ischaemic cardiomyopathy	15629591000119103	SNOMED	n
36712929	Systolic heart failure stage C due to ischaemic cardiomyopathy	15629741000119102	SNOMED	n
44782728	Hypertensive heart AND chronic kidney disease with congestive heart failure	15781000119107	SNOMED	n
439698	Benign hypertensive heart disease with congestive cardiac failure	194767001	SNOMED	n

439696	Hypertensive heart and renal disease with (congestive) heart failure	194779001	SNOMED	n
439694	Hypertensive heart and renal disease with both (congestive) heart failure and renal failure	194781004	SNOMED	n
4111554	Decompensated cardiac failure	195111005	SNOMED	n
4108244	Compensated cardiac failure	195112003	SNOMED	n
4108245	Acute left ventricular failure	195114002	SNOMED	n
4071869	Congenital cardiac failure	206586007	SNOMED	n
44782713	Congestive heart failure with right heart failure	23341000119109	SNOMED	n
4124705	Heart failure as a complication of care	233924009	SNOMED	n
4103448	Low output heart failure	25544003	SNOMED	n
4172864	Neonatal cardiac failure	276514007	SNOMED	n
4079695	Sepsis-associated left ventricular failure	277638005	SNOMED	n
4079296	Sepsis-associated right ventricular failure	277639002	SNOMED	n
4199500	Refractory heart failure	314206003	SNOMED	n
4141124	Postvalvulotomy syndrome	33644002	SNOMED	n
141038	Diastolic dysfunction	3545003	SNOMED	n
4233424	Acute right-sided heart failure	359617009	SNOMED	n
4231738	Acute right heart failure	359620001	SNOMED	n
4267800	Acute left-sided heart failure	364006	SNOMED	n
4273632	Right ventricular failure	367363000	SNOMED	n
139036	Systolic dysfunction	371037005	SNOMED	n
4259490	Cardiorespiratory failure	410431009	SNOMED	n
443580	Systolic heart failure	417996009	SNOMED	n
443587	Diastolic heart failure	418304008	SNOMED	n
319835	Congestive heart failure	42343007	SNOMED	n
4311437	Decompensated chronic heart failure	424404003	SNOMED	n
4138307	Right heart failure due to pulmonary hypertension	426012001	SNOMED	n
4139864	Congestive heart failure due to left ventricular systolic dysfunction	426263006	SNOMED	n

4142561	Congestive heart failure due to valvular disease	426611007	SNOMED	n
4184497	Rheumatic left ventricular failure	43736008	SNOMED	n
4185565	Low cardiac output syndrome	44088000	SNOMED	n
40479192	Chronic systolic heart failure	441481004	SNOMED	n
40479576	Chronic diastolic heart failure	441530006	SNOMED	n
40482727	Combined systolic and diastolic dysfunction	442304009	SNOMED	n
4195785	Right heart failure secondary to left heart failure	44313006	SNOMED	n
40480602	Acute on chronic systolic heart failure	443253003	SNOMED	n
40480603	Acute systolic heart failure	443254009	SNOMED	n
40481042	Acute diastolic heart failure	443343001	SNOMED	n
40481043	Acute on chronic diastolic heart failure	443344007	SNOMED	n
40482857	Cardiorenal syndrome	445236007	SNOMED	n
40486933	Heart failure with normal ejection fraction	446221000	SNOMED	n
444101	Hypertensive heart failure	46113002	SNOMED	n
43021735	Fetal heart failure	462172006	SNOMED	n
43022054	Fetal heart failure with myocardial hypertrophy	462174007	SNOMED	n
43021736	Fetal heart failure with redistribution of cardiac output	462175008	SNOMED	n
43020657	Heart failure due to end stage congenital heart disease	471880001	SNOMED	n
444031	Chronic heart failure	48447003	SNOMED	n
312927	Acute cor pulmonale	49584005	SNOMED	n
4177493	Cardiac insufficiency due to prosthesis	5053004	SNOMED	n
314378	Hypertensive heart disease with congestive heart failure	5148006	SNOMED	n
4206009	Chronic left-sided congestive heart failure	5375005	SNOMED	n

4205558	Cardiac failure after obstetrical surgery AND/OR other procedure including delivery	55565007	SNOMED	n
442310	Acute heart failure	56675007	SNOMED	n
4264636	Cardiac insufficiency following cardiac surgery	60856006	SNOMED	n
43530961	Induced termination of pregnancy complicated by cardiac failure	609507007	SNOMED	n
4284562	Chronic right-sided congestive heart failure	66989003	SNOMED	n
43021825	Congestive heart failure stage D	67431000119105	SNOMED	n
43021826	Congestive heart failure stage C	67441000119101	SNOMED	n
44782655	Acute exacerbation of chronic congestive heart failure	698296002	SNOMED	n
44784442	Symptomatic congestive heart failure	698594003	SNOMED	n
45766164	Heart failure with reduced ejection fraction	703272007	SNOMED	n
45766165	Heart failure with reduced ejection fraction due to coronary artery disease	703273002	SNOMED	n
45766166	Heart failure with reduced ejection fraction due to myocarditis	703274008	SNOMED	n
45766167	Heart failure with reduced ejection fraction due to cardiomyopathy	703275009	SNOMED	n
45773075	Heart failure with reduced ejection fraction due to heart valve disease	703276005	SNOMED	n
45766964	Fetal heart failure due to extracardiac disease	704242009	SNOMED	n
36713488	Congestive heart failure stage B	717840005	SNOMED	n
4215802	Cardiac asthma	71892000	SNOMED	n
36716182	Acute kidney injury due to circulatory failure	722095005	SNOMED	n
36716748	Neonatal cardiac failure due to decreased left ventricular output	722919003	SNOMED	n

44784345	Congestive heart failure as early postoperative complication	72481000119103	SNOMED	n
4327205	Acute left-sided congestive heart failure	74960003	SNOMED	n
312338	Benign hypertensive heart disease with congestive heart failure	77737007	SNOMED	n
4193236	Ayerza's syndrome	78862003	SNOMED	n
4195892	Chronic cor pulmonale	79955004	SNOMED	n
4215446	Acute right-sided congestive heart failure	80479009	SNOMED	n
315295	Congestive rheumatic heart failure	82523003	SNOMED	n
316994	Malignant hypertensive heart disease with congestive heart failure	83105008	SNOMED	n
4307356	Cor pulmonale	83291003	SNOMED	n
316139	Heart failure	84114007	SNOMED	n
439846	Left heart failure	85232009	SNOMED	n
4229440	Chronic congestive heart failure	88805009	SNOMED	n
4233224	Cardiac insufficiency during AND/OR resulting from a procedure	89819002	SNOMED	n
4242669	Biventricular congestive heart failure	92506005	SNOMED	n
43022068	Exacerbation of congestive heart failure	96311000119109	SNOMED	n

Heart Failure as exclusion diagnosis: Knowledge Engineered SNOMED Mimic				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
316139	Heart failure	84114007	SNOMED	n
40482727	Combined systolic and diastolic dysfunction	442304009	SNOMED	n
443580	Systolic heart failure	417996009	SNOMED	n
40480603	Acute systolic heart failure	443254009	SNOMED	n
40481042	Acute diastolic heart failure	443343001	SNOMED	n
443587	Diastolic heart failure	418304008	SNOMED	n
319835	Congestive heart failure	42343007	SNOMED	n
40479192	Chronic systolic heart failure	441481004	SNOMED	n
44782718	Acute combined systolic and diastolic heart failure	153931000119109	SNOMED	n
44782733	Acute on chronic combined systolic and diastolic heart failure	153951000119103	SNOMED	n
40479576	Chronic diastolic heart failure	441530006	SNOMED	n
439846	Left heart failure	85232009	SNOMED	n
40481043	Acute on chronic diastolic heart failure	443344007	SNOMED	n
44782719	Chronic combined systolic and diastolic heart failure	153941000119100	SNOMED	n
40480602	Acute on chronic systolic heart failure	443253003	SNOMED	n

Heart Failure as exclusion diagnosis: Knowledge Engineered SNOMED Optimize

concept_id	concept_name	concept_code	vocabulary_id	include_desc
316139	Heart failure	84114007	SNOMED	y
139036	Systolic dysfunction	371037005	SNOMED	y
141038	Diastolic dysfunction	3545003	SNOMED	y

Heart Failure: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44824250	Heart failure	428	ICD9CM	n
44826642	Congestive heart failure, unspecified	428.0	ICD9CM	n
44827794	Left heart failure	428.1	ICD9CM	n
44834732	Systolic heart failure	428.2	ICD9CM	n
44830086	Systolic heart failure, unspecified	428.20	ICD9CM	n
44820869	Acute systolic heart failure	428.21	ICD9CM	n
44831248	Chronic systolic heart failure	428.22	ICD9CM	n
44833573	Acute on chronic systolic heart failure	428.23	ICD9CM	n
44831249	Diastolic heart failure	428.3	ICD9CM	n
44831250	Diastolic heart failure, unspecified	428.30	ICD9CM	n
44824251	Acute diastolic heart failure	428.31	ICD9CM	n
44835943	Chronic diastolic heart failure	428.32	ICD9CM	n
44835944	Acute on chronic diastolic heart failure	428.33	ICD9CM	n
44833574	Combined systolic and diastolic heart failure	428.4	ICD9CM	n
44832381	Combined systolic and diastolic heart failure, unspecified	428.40	ICD9CM	n
44827795	Acute combined systolic and diastolic heart failure	428.41	ICD9CM	n
44820870	Chronic combined systolic and diastolic heart failure	428.42	ICD9CM	n
44823119	Acute on chronic combined systolic and diastolic heart failure	428.43	ICD9CM	n
44827796	Heart failure, unspecified	428.9	ICD9CM	n

Heart Failure: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
45581779	Heart failure	I50	ICD10	n
45567179	Congestive heart failure	I50.0	ICD10	n
45543181	Left ventricular failure	I50.1	ICD10	n
45576879	Heart failure, unspecified	I50.9	ICD10	n
1569178	Heart failure	I50	ICD10CM	n
35207792	Left ventricular failure	I50.1	ICD10CM	n
1569179	Systolic (congestive) heart failure	I50.2	ICD10CM	n
45586587	Unspecified systolic (congestive) heart failure	I50.20	ICD10CM	n
45543182	Acute systolic (congestive) heart failure	I50.21	ICD10CM	n
45576878	Chronic systolic (congestive) heart failure	I50.22	ICD10CM	n
45567180	Acute on chronic systolic (congestive) heart failure	I50.23	ICD10CM	n
1569180	Diastolic (congestive) heart failure	I50.3	ICD10CM	n
45601038	Unspecified diastolic (congestive) heart failure	I50.30	ICD10CM	n
45548022	Acute diastolic (congestive) heart failure	I50.31	ICD10CM	n
45533456	Chronic diastolic (congestive) heart failure	I50.32	ICD10CM	n
45562355	Acute on chronic diastolic (congestive) heart failure	I50.33	ICD10CM	n
1569181	Combined systolic (congestive) and diastolic (congestive) heart failure	I50.4	ICD10CM	n
45533457	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure	I50.40	ICD10CM	n
45591469	Acute combined systolic (congestive) and diastolic (congestive) heart failure	I50.41	ICD10CM	n
45586588	Chronic combined systolic (congestive) and diastolic (congestive) heart failure	I50.42	ICD10CM	n
45567181	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure	I50.43	ICD10CM	n

35207793	Heart failure, unspecified	I50.9	ICD10CM	n
44824250	Heart failure	428	ICD9CM	n
44826642	Congestive heart failure, unspecified	428.0	ICD9CM	n
44827794	Left heart failure	428.1	ICD9CM	n
44834732	Systolic heart failure	428.2	ICD9CM	n
44830086	Systolic heart failure, unspecified	428.20	ICD9CM	n
44820869	Acute systolic heart failure	428.21	ICD9CM	n
44831248	Chronic systolic heart failure	428.22	ICD9CM	n
44833573	Acute on chronic systolic heart failure	428.23	ICD9CM	n
44831249	Diastolic heart failure	428.3	ICD9CM	n
44831250	Diastolic heart failure, unspecified	428.30	ICD9CM	n
44824251	Acute diastolic heart failure	428.31	ICD9CM	n
44835943	Chronic diastolic heart failure	428.32	ICD9CM	n
44835944	Acute on chronic diastolic heart failure	428.33	ICD9CM	n
44833574	Combined systolic and diastolic heart failure	428.4	ICD9CM	n
44832381	Combined systolic and diastolic heart failure, unspecified	428.40	ICD9CM	n
44827795	Acute combined systolic and diastolic heart failure	428.41	ICD9CM	n
44820870	Chronic combined systolic and diastolic heart failure	428.42	ICD9CM	n
44823119	Acute on chronic combined systolic and diastolic heart failure	428.43	ICD9CM	n
44827796	Heart failure, unspecified	428.9	ICD9CM	n
4023479	Acute congestive heart failure	10633002	SNOMED	n
4009047	Chronic left-sided heart failure	111283005	SNOMED	n
43021840	Systolic heart failure stage D	120851000119104	SNOMED	n
43020421	Systolic heart failure stage C	120861000119102	SNOMED	n
43021841	Diastolic heart failure stage D	120881000119106	SNOMED	n

43021842	Diastolic heart failure stage C	120891000119109	SNOMED	n
44782718	Acute combined systolic and diastolic heart failure	153931000119109	SNOMED	n
44782719	Chronic combined systolic and diastolic heart failure	153941000119100	SNOMED	n
44782733	Acute on chronic combined systolic and diastolic heart failure	153951000119103	SNOMED	n
4111554	Decompensated cardiac failure	195111005	SNOMED	n
4108244	Compensated cardiac failure	195112003	SNOMED	n
4108245	Acute left ventricular failure	195114002	SNOMED	n
44782713	Congestive heart failure with right heart failure	23341000119109	SNOMED	n
4199500	Refractory heart failure	314206003	SNOMED	n
4267800	Acute left-sided heart failure	364006	SNOMED	n
443580	Systolic heart failure	417996009	SNOMED	n
443587	Diastolic heart failure	418304008	SNOMED	n
319835	Congestive heart failure	42343007	SNOMED	n
4311437	Decompensated chronic heart failure	424404003	SNOMED	n
4139864	Congestive heart failure due to left ventricular systolic dysfunction	426263006	SNOMED	n
40479192	Chronic systolic heart failure	441481004	SNOMED	n
40479576	Chronic diastolic heart failure	441530006	SNOMED	n
40482727	Combined systolic and diastolic dysfunction	442304009	SNOMED	n
40480602	Acute on chronic systolic heart failure	443253003	SNOMED	n
40480603	Acute systolic heart failure	443254009	SNOMED	n
40481042	Acute diastolic heart failure	443343001	SNOMED	n
40481043	Acute on chronic diastolic heart failure	443344007	SNOMED	n
444031	Chronic heart failure	48447003	SNOMED	n
4206009	Chronic left-sided congestive heart failure	5375005	SNOMED	n
442310	Acute heart failure	56675007	SNOMED	n

43021825	Congestive heart failure stage D	67431000119105	SNOMED	n
43021826	Congestive heart failure stage C	67441000119101	SNOMED	n
44782655	Acute exacerbation of chronic congestive heart failure	698296002	SNOMED	n
44784442	Symptomatic congestive heart failure	698594003	SNOMED	n
45766164	Heart failure with reduced ejection fraction	703272007	SNOMED	n
36713488	Congestive heart failure stage B	717840005	SNOMED	n
4327205	Acute left-sided congestive heart failure	74960003	SNOMED	n
316139	Heart failure	84114007	SNOMED	n
439846	Left heart failure	85232009	SNOMED	n
4229440	Chronic congestive heart failure	88805009	SNOMED	n
4242669	Biventricular congestive heart failure	92506005	SNOMED	n
43022068	Exacerbation of congestive heart failure	96311000119109	SNOMED	n

Heart Failure: Knowledge Engineered SNOMED Mimic				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
316139	Heart failure	84114007	SNOMED	n
40482727	Combined systolic and diastolic dysfunction	442304009	SNOMED	n
443580	Systolic heart failure	417996009	SNOMED	n
40480603	Acute systolic heart failure	443254009	SNOMED	n
40481042	Acute diastolic heart failure	443343001	SNOMED	n
443587	Diastolic heart failure	418304008	SNOMED	n
319835	Congestive heart failure	42343007	SNOMED	n
40479192	Chronic systolic heart failure	441481004	SNOMED	n
44782718	Acute combined systolic and diastolic heart failure	153931000119109	SNOMED	n
44782733	Acute on chronic combined systolic and diastolic heart failure	153951000119103	SNOMED	n
40479576	Chronic diastolic heart failure	441530006	SNOMED	n
439846	Left heart failure	85232009	SNOMED	n
40481043	Acute on chronic diastolic heart failure	443344007	SNOMED	n
44782719	Chronic combined systolic and diastolic heart failure	153941000119100	SNOMED	n
40480602	Acute on chronic systolic heart failure	443253003	SNOMED	n

Heart Failure: Knowledge Engineered SNOMED Optimize				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
316139	Heart failure	84114007	SNOMED	n
319835	Congestive heart failure	42343007	SNOMED	n
439846	Left heart failure	85232009	SNOMED	n
443580	Systolic heart failure	417996009	SNOMED	y
443587	Diastolic heart failure	418304008	SNOMED	y
444031	Chronic heart failure	48447003	SNOMED	n
4009047	Chronic left-sided heart failure	111283005	SNOMED	y
4023479	Acute congestive heart failure	10633002	SNOMED	n
4103448	Low output heart failure	25544003	SNOMED	y
4108244	Compensated cardiac failure	195112003	SNOMED	y
4108245	Acute left ventricular failure	195114002	SNOMED	y
4111554	Decompensated cardiac failure	195111005	SNOMED	y
4139864	Congestive heart failure due to left ventricular systolic dysfunction	426263006	SNOMED	y
4199500	Refractory heart failure	314206003	SNOMED	y
4206009	Chronic left-sided congestive heart failure	5375005	SNOMED	y
4242669	Biventricular congestive heart failure	92506005	SNOMED	y
4267800	Acute left-sided heart failure	364006	SNOMED	y
4311437	Decompensated chronic heart failure	424404003	SNOMED	y
4327205	Acute left-sided congestive heart failure	74960003	SNOMED	y
40479192	Chronic systolic heart failure	441481004	SNOMED	y
40479576	Chronic diastolic heart failure	441530006	SNOMED	y
40480603	Acute systolic heart failure	443254009	SNOMED	y
40481042	Acute diastolic heart failure	443343001	SNOMED	y
40482727	Combined systolic and diastolic dysfunction	442304009	SNOMED	y
40486933	Heart failure with normal ejection fraction	446221000	SNOMED	y
43022068	Exacerbation of congestive heart failure	96311000119109	SNOMED	y

44782655	Acute exacerbation of chronic congestive heart failure	698296002	SNOMED	y
44784442	Symptomatic congestive heart failure	698594003	SNOMED	y
45766164	Heart failure with reduced ejection fraction	703272007	SNOMED	y

Rheumatoid Arthritis: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44825676	Rheumatoid arthritis and other inflammatory polyarthropathies	714	ICD9CM	n
44831487	Rheumatoid arthritis	714.0	ICD9CM	n
44821123	Felty's syndrome	714.1	ICD9CM	n
44836170	Other rheumatoid arthritis with visceral or systemic involvement	714.2	ICD9CM	n

Rheumatoid Arthritis: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
37108590	Rheumatoid arthritis of left knee	1073731000119100	SNOMED	n
37108591	Rheumatoid arthritis of right knee	1073811000119102	SNOMED	n
37108714	Seropositive rheumatoid arthritis of multiple joints	11055151000119108	SNOMED	n
4030552	Rheumatic joint disease	14175009	SNOMED	n
37117421	Rheumatoid arthritis in remission	143441000119108	SNOMED	n
4102493	Polyneuropathy in rheumatoid arthritis	193180002	SNOMED	n
4107913	Myopathy due to rheumatoid arthritis	193250002	SNOMED	n
4116439	Rheumatoid arthritis of cervical spine	201764007	SNOMED	n
4114439	Rheumatoid arthritis of shoulder	201766009	SNOMED	n
4116148	Rheumatoid arthritis of sternoclavicular joint	201767000	SNOMED	n
4116149	Rheumatoid arthritis of acromioclavicular joint	201768005	SNOMED	n
4116440	Rheumatoid arthritis of elbow	201769002	SNOMED	n
4115050	Rheumatoid arthritis of distal radioulnar joint	201770001	SNOMED	n
4116441	Rheumatoid arthritis of wrist	201771002	SNOMED	n
4116442	Rheumatoid arthritis of metacarpophalangeal joint	201772009	SNOMED	n
4116443	Rheumatoid arthritis of proximal interphalangeal joint of finger	201773004	SNOMED	n
4114440	Rheumatoid arthritis of distal interphalangeal joint of finger	201774005	SNOMED	n
4116150	Rheumatoid arthritis of hip	201775006	SNOMED	n
4116444	Rheumatoid arthritis of sacroiliac joint	201776007	SNOMED	n
4116151	Rheumatoid arthritis of knee	201777003	SNOMED	n
4115051	Rheumatoid arthritis of tibiofibular joint	201778008	SNOMED	n
4116445	Rheumatoid arthritis of ankle	201779000	SNOMED	n

4116446	Rheumatoid arthritis of subtalar joint	201780002	SNOMED	n
4116152	Rheumatoid arthritis of talonavicular joint	201781003	SNOMED	n
4114441	Rheumatoid arthritis of first metatarsophalangeal joint	201783000	SNOMED	n
4116153	Rheumatoid arthritis of lesser metatarsophalangeal joint	201784006	SNOMED	n
4114442	Rheumatoid arthritis of interphalangeal joint of toe	201785007	SNOMED	n
4114443	Rheumatoid bursitis	201788009	SNOMED	n
4114444	Flare of rheumatoid arthritis	201791009	SNOMED	n
4035611	Seropositive rheumatoid arthritis	239791005	SNOMED	n
4083556	Seronegative rheumatoid arthritis	239792003	SNOMED	n
78230	Rheumatoid arthritis with organ / system involvement	239793008	SNOMED	n
4035427	Rheumatoid arthritis with multisystem involvement	239795001	SNOMED	n
4343936	Nailfold rheumatoid vasculitis	239941000	SNOMED	n
4344494	Systemic rheumatoid vasculitis	239942007	SNOMED	n
4347065	Necrotizing rheumatoid vasculitis	239943002	SNOMED	n
4117686	Rheumatoid arthritis of multiple joints	287006005	SNOMED	n
4115161	Rheumatoid arthritis - hand joint	287007001	SNOMED	n
4117687	Rheumatoid arthritis - ankle and/or foot	287008006	SNOMED	n
4103516	Rheumatoid carditis	28880005	SNOMED	n
4147418	Seropositive erosive rheumatoid arthritis	308143008	SNOMED	n
37395590	Rheumatoid lung disease with rheumatoid arthritis	319841000119107	SNOMED	n
4142899	Subcutaneous rheumatoid nodule	33719002	SNOMED	n
4162539	Rheumatoid pneumoconiosis	398640008	SNOMED	n
4269880	Rheumatoid arteritis	399923009	SNOMED	n

4271003	Rheumatoid vasculitis	400054000	SNOMED	n
4270869	Rheumatoid nodulosis	402426007	SNOMED	n
4292371	Accelerated rheumatoid nodulosis	402427003	SNOMED	n
4297649	Accelerated rheumatoid nodulosis due to methotrexate	402428008	SNOMED	n
4299307	Rheumatoid linear subcutaneous bands	402429000	SNOMED	n
4297651	Nailfold/finger-pulp infarcts in rheumatoid disease	402433007	SNOMED	n
4179536	Rheumatoid arthritis of temporomandibular joint	427770001	SNOMED	n
4179378	Rheumatoid arthritis of foot	429192004	SNOMED	n
4179528	Rheumatic arthritis of temporomandibular joint	429422002	SNOMED	n
4200987	Extra-articular rheumatoid process	52661003	SNOMED	n
81097	Felty's syndrome	57160007	SNOMED	n
4243205	Subacute rheumatic arthritis	58769002	SNOMED	n
80809	Rheumatoid arthritis	69896004	SNOMED	n
4216531	Acute rheumatic arthritis	81077008	SNOMED	n
4311391	Uveitis-rheumatoid arthritis syndrome	86219005	SNOMED	n
44825676	Rheumatoid arthritis and other inflammatory polyarthropathies	714	ICD9CM	n
44831487	Rheumatoid arthritis	714.0	ICD9CM	n
44821123	Felty's syndrome	714.1	ICD9CM	n
44836170	Other rheumatoid arthritis with visceral or systemic involvement	714.2	ICD9CM	n
1569966	Rheumatoid arthritis with rheumatoid factor	M05	ICD10CM	n
1569967	Felty's syndrome	M05.0	ICD10CM	n
45586833	Felty's syndrome, unspecified site	M05.00	ICD10CM	n
1569968	Felty's syndrome, shoulder	M05.01	ICD10CM	n
45606039	Felty's syndrome, right shoulder	M05.011	ICD10CM	n
45533689	Felty's syndrome, left shoulder	M05.012	ICD10CM	n

45567403	Felty's syndrome, unspecified shoulder	M05.019	ICD10CM	n
1569969	Felty's syndrome, elbow	M05.02	ICD10CM	n
45557752	Felty's syndrome, right elbow	M05.021	ICD10CM	n
45562581	Felty's syndrome, left elbow	M05.022	ICD10CM	n
45548248	Felty's syndrome, unspecified elbow	M05.029	ICD10CM	n
1569970	Felty's syndrome, wrist	M05.03	ICD10CM	n
45582002	Felty's syndrome, right wrist	M05.031	ICD10CM	n
45567404	Felty's syndrome, left wrist	M05.032	ICD10CM	n
45538622	Felty's syndrome, unspecified wrist	M05.039	ICD10CM	n
1569971	Felty's syndrome, hand	M05.04	ICD10CM	n
45548249	Felty's syndrome, right hand	M05.041	ICD10CM	n
45548250	Felty's syndrome, left hand	M05.042	ICD10CM	n
45567405	Felty's syndrome, unspecified hand	M05.049	ICD10CM	n
1569972	Felty's syndrome, hip	M05.05	ICD10CM	n
45591685	Felty's syndrome, right hip	M05.051	ICD10CM	n
45577090	Felty's syndrome, left hip	M05.052	ICD10CM	n
45543428	Felty's syndrome, unspecified hip	M05.059	ICD10CM	n
1569973	Felty's syndrome, knee	M05.06	ICD10CM	n
45548251	Felty's syndrome, right knee	M05.061	ICD10CM	n
45572326	Felty's syndrome, left knee	M05.062	ICD10CM	n
45577091	Felty's syndrome, unspecified knee	M05.069	ICD10CM	n
1569974	Felty's syndrome, ankle and foot	M05.07	ICD10CM	n
45533690	Felty's syndrome, right ankle and foot	M05.071	ICD10CM	n
45548252	Felty's syndrome, left ankle and foot	M05.072	ICD10CM	n
45553036	Felty's syndrome, unspecified ankle and foot	M05.079	ICD10CM	n
45577092	Felty's syndrome, multiple sites	M05.09	ICD10CM	n
1569975	Rheumatoid lung disease with rheumatoid arthritis	M05.1	ICD10CM	n

45591686	Rheumatoid lung disease with rheumatoid arthritis of unspecified site	M05.10	ICD10CM	n
1569976	Rheumatoid lung disease with rheumatoid arthritis of shoulder	M05.11	ICD10CM	n
45586834	Rheumatoid lung disease with rheumatoid arthritis of right shoulder	M05.111	ICD10CM	n
45591687	Rheumatoid lung disease with rheumatoid arthritis of left shoulder	M05.112	ICD10CM	n
45582003	Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder	M05.119	ICD10CM	n
1569977	Rheumatoid lung disease with rheumatoid arthritis of elbow	M05.12	ICD10CM	n
45562582	Rheumatoid lung disease with rheumatoid arthritis of right elbow	M05.121	ICD10CM	n
45582004	Rheumatoid lung disease with rheumatoid arthritis of left elbow	M05.122	ICD10CM	n
45543429	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow	M05.129	ICD10CM	n
1569978	Rheumatoid lung disease with rheumatoid arthritis of wrist	M05.13	ICD10CM	n
45543430	Rheumatoid lung disease with rheumatoid arthritis of right wrist	M05.131	ICD10CM	n
45582005	Rheumatoid lung disease with rheumatoid arthritis of left wrist	M05.132	ICD10CM	n
45567406	Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist	M05.139	ICD10CM	n
1569979	Rheumatoid lung disease with rheumatoid arthritis of hand	M05.14	ICD10CM	n
45591688	Rheumatoid lung disease with rheumatoid arthritis of right hand	M05.141	ICD10CM	n

45577093	Rheumatoid lung disease with rheumatoid arthritis of left hand	M05.142	ICD10CM	n
45577094	Rheumatoid lung disease with rheumatoid arthritis of unspecified hand	M05.149	ICD10CM	n
1569980	Rheumatoid lung disease with rheumatoid arthritis of hip	M05.15	ICD10CM	n
45548253	Rheumatoid lung disease with rheumatoid arthritis of right hip	M05.151	ICD10CM	n
45548254	Rheumatoid lung disease with rheumatoid arthritis of left hip	M05.152	ICD10CM	n
45538623	Rheumatoid lung disease with rheumatoid arthritis of unspecified hip	M05.159	ICD10CM	n
1569981	Rheumatoid lung disease with rheumatoid arthritis of knee	M05.16	ICD10CM	n
45577095	Rheumatoid lung disease with rheumatoid arthritis of right knee	M05.161	ICD10CM	n
45553037	Rheumatoid lung disease with rheumatoid arthritis of left knee	M05.162	ICD10CM	n
45567407	Rheumatoid lung disease with rheumatoid arthritis of unspecified knee	M05.169	ICD10CM	n
1569982	Rheumatoid lung disease with rheumatoid arthritis of ankle and foot	M05.17	ICD10CM	n
45601274	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot	M05.171	ICD10CM	n
45582006	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot	M05.172	ICD10CM	n
45606040	Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot	M05.179	ICD10CM	n
45557754	Rheumatoid lung disease with rheumatoid arthritis of multiple sites	M05.19	ICD10CM	n

1569983	Rheumatoid vasculitis with rheumatoid arthritis	M05.2	ICD10CM	n
45572327	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	M05.20	ICD10CM	n
1569984	Rheumatoid vasculitis with rheumatoid arthritis of shoulder	M05.21	ICD10CM	n
45601275	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	M05.211	ICD10CM	n
45553038	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	M05.212	ICD10CM	n
45606041	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	M05.219	ICD10CM	n
1569985	Rheumatoid vasculitis with rheumatoid arthritis of elbow	M05.22	ICD10CM	n
45596425	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	M05.221	ICD10CM	n
45586835	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	M05.222	ICD10CM	n
45591689	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	M05.229	ICD10CM	n
1569986	Rheumatoid vasculitis with rheumatoid arthritis of wrist	M05.23	ICD10CM	n
45543431	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	M05.231	ICD10CM	n
45562584	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	M05.232	ICD10CM	n
45606042	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	M05.239	ICD10CM	n
1569987	Rheumatoid vasculitis with rheumatoid arthritis of hand	M05.24	ICD10CM	n

45596426	Rheumatoid vasculitis with rheumatoid arthritis of right hand	M05.241	ICD10CM	n
45606043	Rheumatoid vasculitis with rheumatoid arthritis of left hand	M05.242	ICD10CM	n
45538624	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	M05.249	ICD10CM	n
1569988	Rheumatoid vasculitis with rheumatoid arthritis of hip	M05.25	ICD10CM	n
45577096	Rheumatoid vasculitis with rheumatoid arthritis of right hip	M05.251	ICD10CM	n
45533691	Rheumatoid vasculitis with rheumatoid arthritis of left hip	M05.252	ICD10CM	n
45596427	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	M05.259	ICD10CM	n
1569989	Rheumatoid vasculitis with rheumatoid arthritis of knee	M05.26	ICD10CM	n
45572328	Rheumatoid vasculitis with rheumatoid arthritis of right knee	M05.261	ICD10CM	n
45567408	Rheumatoid vasculitis with rheumatoid arthritis of left knee	M05.262	ICD10CM	n
45591690	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	M05.269	ICD10CM	n
1569990	Rheumatoid vasculitis with rheumatoid arthritis of ankle and foot	M05.27	ICD10CM	n
45591691	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	M05.271	ICD10CM	n
45538625	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	M05.272	ICD10CM	n
45538626	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	M05.279	ICD10CM	n

45596428	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	M05.29	ICD10CM	n
1569991	Rheumatoid heart disease with rheumatoid arthritis	M05.3	ICD10CM	n
45586836	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	M05.30	ICD10CM	n
1569992	Rheumatoid heart disease with rheumatoid arthritis of shoulder	M05.31	ICD10CM	n
45562585	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	M05.311	ICD10CM	n
45567409	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	M05.312	ICD10CM	n
45557755	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	M05.319	ICD10CM	n
1569993	Rheumatoid heart disease with rheumatoid arthritis of elbow	M05.32	ICD10CM	n
45553039	Rheumatoid heart disease with rheumatoid arthritis of right elbow	M05.321	ICD10CM	n
45553040	Rheumatoid heart disease with rheumatoid arthritis of left elbow	M05.322	ICD10CM	n
45533692	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	M05.329	ICD10CM	n
1569994	Rheumatoid heart disease with rheumatoid arthritis of wrist	M05.33	ICD10CM	n
45562586	Rheumatoid heart disease with rheumatoid arthritis of right wrist	M05.331	ICD10CM	n
45572329	Rheumatoid heart disease with rheumatoid arthritis of left wrist	M05.332	ICD10CM	n
45582007	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	M05.339	ICD10CM	n

1569995	Rheumatoid heart disease with rheumatoid arthritis of hand	M05.34	ICD10CM	n
45582008	Rheumatoid heart disease with rheumatoid arthritis of right hand	M05.341	ICD10CM	n
45562587	Rheumatoid heart disease with rheumatoid arthritis of left hand	M05.342	ICD10CM	n
45601276	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	M05.349	ICD10CM	n
1569996	Rheumatoid heart disease with rheumatoid arthritis of hip	M05.35	ICD10CM	n
45538627	Rheumatoid heart disease with rheumatoid arthritis of right hip	M05.351	ICD10CM	n
45557756	Rheumatoid heart disease with rheumatoid arthritis of left hip	M05.352	ICD10CM	n
45548255	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	M05.359	ICD10CM	n
1569997	Rheumatoid heart disease with rheumatoid arthritis of knee	M05.36	ICD10CM	n
45572330	Rheumatoid heart disease with rheumatoid arthritis of right knee	M05.361	ICD10CM	n
45562588	Rheumatoid heart disease with rheumatoid arthritis of left knee	M05.362	ICD10CM	n
45567410	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	M05.369	ICD10CM	n
1569998	Rheumatoid heart disease with rheumatoid arthritis of ankle and foot	M05.37	ICD10CM	n
45572331	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	M05.371	ICD10CM	n
45586837	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	M05.372	ICD10CM	n

45557757	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	M05.379	ICD10CM	n
45577098	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	M05.39	ICD10CM	n
1569999	Rheumatoid myopathy with rheumatoid arthritis	M05.4	ICD10CM	n
45572332	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	M05.40	ICD10CM	n
1570000	Rheumatoid myopathy with rheumatoid arthritis of shoulder	M05.41	ICD10CM	n
45596429	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	M05.411	ICD10CM	n
45596430	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	M05.412	ICD10CM	n
45596431	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	M05.419	ICD10CM	n
1570001	Rheumatoid myopathy with rheumatoid arthritis of elbow	M05.42	ICD10CM	n
45562589	Rheumatoid myopathy with rheumatoid arthritis of right elbow	M05.421	ICD10CM	n
45606044	Rheumatoid myopathy with rheumatoid arthritis of left elbow	M05.422	ICD10CM	n
45557758	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	M05.429	ICD10CM	n
1570002	Rheumatoid myopathy with rheumatoid arthritis of wrist	M05.43	ICD10CM	n
45567411	Rheumatoid myopathy with rheumatoid arthritis of right wrist	M05.431	ICD10CM	n
45582009	Rheumatoid myopathy with rheumatoid arthritis of left wrist	M05.432	ICD10CM	n

45577099	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	M05.439	ICD10CM	n
1570003	Rheumatoid myopathy with rheumatoid arthritis of hand	M05.44	ICD10CM	n
45533693	Rheumatoid myopathy with rheumatoid arthritis of right hand	M05.441	ICD10CM	n
45596432	Rheumatoid myopathy with rheumatoid arthritis of left hand	M05.442	ICD10CM	n
45606045	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	M05.449	ICD10CM	n
1570004	Rheumatoid myopathy with rheumatoid arthritis of hip	M05.45	ICD10CM	n
45543432	Rheumatoid myopathy with rheumatoid arthritis of right hip	M05.451	ICD10CM	n
45572333	Rheumatoid myopathy with rheumatoid arthritis of left hip	M05.452	ICD10CM	n
45548256	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	M05.459	ICD10CM	n
1570005	Rheumatoid myopathy with rheumatoid arthritis of knee	M05.46	ICD10CM	n
45567412	Rheumatoid myopathy with rheumatoid arthritis of right knee	M05.461	ICD10CM	n
45533694	Rheumatoid myopathy with rheumatoid arthritis of left knee	M05.462	ICD10CM	n
45591692	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	M05.469	ICD10CM	n
1570006	Rheumatoid myopathy with rheumatoid arthritis of ankle and foot	M05.47	ICD10CM	n
45557759	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	M05.471	ICD10CM	n

45538628	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	M05.472	ICD10CM	n
45572334	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	M05.479	ICD10CM	n
45577100	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	M05.49	ICD10CM	n
1570007	Rheumatoid polyneuropathy with rheumatoid arthritis	M05.5	ICD10CM	n
45567413	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	M05.50	ICD10CM	n
1570008	Rheumatoid polyneuropathy with rheumatoid arthritis of shoulder	M05.51	ICD10CM	n
45538629	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	M05.511	ICD10CM	n
45606046	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	M05.512	ICD10CM	n
45596433	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	M05.519	ICD10CM	n
1570009	Rheumatoid polyneuropathy with rheumatoid arthritis of elbow	M05.52	ICD10CM	n
45567414	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	M05.521	ICD10CM	n
45533695	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	M05.522	ICD10CM	n

45596434	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	M05.529	ICD10CM	n
1570010	Rheumatoid polyneuropathy with rheumatoid arthritis of wrist	M05.53	ICD10CM	n
45548257	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	M05.531	ICD10CM	n
45591693	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	M05.532	ICD10CM	n
45538630	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	M05.539	ICD10CM	n
1570011	Rheumatoid polyneuropathy with rheumatoid arthritis of hand	M05.54	ICD10CM	n
45591694	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	M05.541	ICD10CM	n
45538631	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	M05.542	ICD10CM	n
45543433	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	M05.549	ICD10CM	n
1570012	Rheumatoid polyneuropathy with rheumatoid arthritis of hip	M05.55	ICD10CM	n
45591695	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	M05.551	ICD10CM	n

45582010	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	M05.552	ICD10CM	n
45582011	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	M05.559	ICD10CM	n
1570013	Rheumatoid polyneuropathy with rheumatoid arthritis of knee	M05.56	ICD10CM	n
45548258	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	M05.561	ICD10CM	n
45582012	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	M05.562	ICD10CM	n
45562590	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	M05.569	ICD10CM	n
1570014	Rheumatoid polyneuropathy with rheumatoid arthritis of ankle and foot	M05.57	ICD10CM	n
45538632	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	M05.571	ICD10CM	n
45582013	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	M05.572	ICD10CM	n
45553041	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	M05.579	ICD10CM	n
45567415	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	M05.59	ICD10CM	n

1570015	Rheumatoid arthritis with involvement of other organs and systems	M05.6	ICD10CM	n
45548259	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	M05.60	ICD10CM	n
1570016	Rheumatoid arthritis of shoulder with involvement of other organs and systems	M05.61	ICD10CM	n
45596435	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	M05.611	ICD10CM	n
45577101	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	M05.612	ICD10CM	n
45553042	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	M05.619	ICD10CM	n
1570017	Rheumatoid arthritis of elbow with involvement of other organs and systems	M05.62	ICD10CM	n
45601277	Rheumatoid arthritis of right elbow with involvement of other organs and systems	M05.621	ICD10CM	n
45591696	Rheumatoid arthritis of left elbow with involvement of other organs and systems	M05.622	ICD10CM	n
45591697	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	M05.629	ICD10CM	n
1570018	Rheumatoid arthritis of wrist with involvement of other organs and systems	M05.63	ICD10CM	n
45577102	Rheumatoid arthritis of right wrist with involvement of other organs and systems	M05.631	ICD10CM	n

45601278	Rheumatoid arthritis of left wrist with involvement of other organs and systems	M05.632	ICD10CM	n
45557760	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	M05.639	ICD10CM	n
1570019	Rheumatoid arthritis of hand with involvement of other organs and systems	M05.64	ICD10CM	n
45591698	Rheumatoid arthritis of right hand with involvement of other organs and systems	M05.641	ICD10CM	n
45572335	Rheumatoid arthritis of left hand with involvement of other organs and systems	M05.642	ICD10CM	n
45572336	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	M05.649	ICD10CM	n
1570020	Rheumatoid arthritis of hip with involvement of other organs and systems	M05.65	ICD10CM	n
45548260	Rheumatoid arthritis of right hip with involvement of other organs and systems	M05.651	ICD10CM	n
45533696	Rheumatoid arthritis of left hip with involvement of other organs and systems	M05.652	ICD10CM	n
45567416	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	M05.659	ICD10CM	n
1570021	Rheumatoid arthritis of knee with involvement of other organs and systems	M05.66	ICD10CM	n
45606047	Rheumatoid arthritis of right knee with involvement of other organs and systems	M05.661	ICD10CM	n
45591699	Rheumatoid arthritis of left knee with involvement of other organs and systems	M05.662	ICD10CM	n

45606048	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	M05.669	ICD10CM	n
1570022	Rheumatoid arthritis of ankle and foot with involvement of other organs and systems	M05.67	ICD10CM	n
45553043	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	M05.671	ICD10CM	n
45606049	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	M05.672	ICD10CM	n
45601279	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	M05.679	ICD10CM	n
45567417	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	M05.69	ICD10CM	n
1570023	Rheumatoid arthritis with rheumatoid factor without organ or systems involvement	M05.7	ICD10CM	n
45543434	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	M05.70	ICD10CM	n
1570024	Rheumatoid arthritis with rheumatoid factor of shoulder without organ or systems involvement	M05.71	ICD10CM	n
45596436	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	M05.711	ICD10CM	n
45543435	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	M05.712	ICD10CM	n

45567418	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	M05.719	ICD10CM	n
1570025	Rheumatoid arthritis with rheumatoid factor of elbow without organ or systems involvement	M05.72	ICD10CM	n
45548261	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	M05.721	ICD10CM	n
45572337	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	M05.722	ICD10CM	n
45562591	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	M05.729	ICD10CM	n
1570026	Rheumatoid arthritis with rheumatoid factor of wrist without organ or systems involvement	M05.73	ICD10CM	n
45606050	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	M05.731	ICD10CM	n
45582014	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	M05.732	ICD10CM	n
45553044	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	M05.739	ICD10CM	n
1570027	Rheumatoid arthritis with rheumatoid factor of hand without organ or systems involvement	M05.74	ICD10CM	n

45606051	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	M05.741	ICD10CM	n
45596437	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	M05.742	ICD10CM	n
45582015	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	M05.749	ICD10CM	n
1570028	Rheumatoid arthritis with rheumatoid factor of hip without organ or systems involvement	M05.75	ICD10CM	n
45572338	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	M05.751	ICD10CM	n
45538633	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	M05.752	ICD10CM	n
45567419	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	M05.759	ICD10CM	n
1570029	Rheumatoid arthritis with rheumatoid factor of knee without organ or systems involvement	M05.76	ICD10CM	n
45548262	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	M05.761	ICD10CM	n
45548263	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	M05.762	ICD10CM	n

45533697	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	M05.769	ICD10CM	n
1570030	Rheumatoid arthritis with rheumatoid factor of ankle and foot without organ or systems involvement	M05.77	ICD10CM	n
45596438	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	M05.771	ICD10CM	n
45591700	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	M05.772	ICD10CM	n
45596439	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	M05.779	ICD10CM	n
45553045	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	M05.79	ICD10CM	n
1570031	Other rheumatoid arthritis with rheumatoid factor	M05.8	ICD10CM	n
45553046	Other rheumatoid arthritis with rheumatoid factor of unspecified site	M05.80	ICD10CM	n
1570032	Other rheumatoid arthritis with rheumatoid factor of shoulder	M05.81	ICD10CM	n
45562592	Other rheumatoid arthritis with rheumatoid factor of right shoulder	M05.811	ICD10CM	n
45533698	Other rheumatoid arthritis with rheumatoid factor of left shoulder	M05.812	ICD10CM	n

45557761	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	M05.819	ICD10CM	n
1570033	Other rheumatoid arthritis with rheumatoid factor of elbow	M05.82	ICD10CM	n
45601280	Other rheumatoid arthritis with rheumatoid factor of right elbow	M05.821	ICD10CM	n
45601281	Other rheumatoid arthritis with rheumatoid factor of left elbow	M05.822	ICD10CM	n
45533699	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	M05.829	ICD10CM	n
1570034	Other rheumatoid arthritis with rheumatoid factor of wrist	M05.83	ICD10CM	n
45572339	Other rheumatoid arthritis with rheumatoid factor of right wrist	M05.831	ICD10CM	n
45596440	Other rheumatoid arthritis with rheumatoid factor of left wrist	M05.832	ICD10CM	n
45553047	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	M05.839	ICD10CM	n
1570035	Other rheumatoid arthritis with rheumatoid factor of hand	M05.84	ICD10CM	n
45586838	Other rheumatoid arthritis with rheumatoid factor of right hand	M05.841	ICD10CM	n
45582016	Other rheumatoid arthritis with rheumatoid factor of left hand	M05.842	ICD10CM	n
45601282	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	M05.849	ICD10CM	n
1570036	Other rheumatoid arthritis with rheumatoid factor of hip	M05.85	ICD10CM	n
45606052	Other rheumatoid arthritis with rheumatoid factor of right hip	M05.851	ICD10CM	n

45601283	Other rheumatoid arthritis with rheumatoid factor of left hip	M05.852	ICD10CM	n
45533700	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	M05.859	ICD10CM	n
1570037	Other rheumatoid arthritis with rheumatoid factor of knee	M05.86	ICD10CM	n
45543436	Other rheumatoid arthritis with rheumatoid factor of right knee	M05.861	ICD10CM	n
45553048	Other rheumatoid arthritis with rheumatoid factor of left knee	M05.862	ICD10CM	n
45548264	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	M05.869	ICD10CM	n
1570038	Other rheumatoid arthritis with rheumatoid factor of ankle and foot	M05.87	ICD10CM	n
45548265	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	M05.871	ICD10CM	n
45586839	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	M05.872	ICD10CM	n
45548266	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	M05.879	ICD10CM	n
45553049	Other rheumatoid arthritis with rheumatoid factor of multiple sites	M05.89	ICD10CM	n
35208750	Rheumatoid arthritis with rheumatoid factor, unspecified	M05.9	ICD10CM	n
1570039	Other rheumatoid arthritis	M06	ICD10CM	n
1570040	Rheumatoid arthritis without rheumatoid factor	M06.0	ICD10CM	n
45596442	Rheumatoid arthritis without rheumatoid factor, unspecified site	M06.00	ICD10CM	n
1570041	Rheumatoid arthritis without rheumatoid factor, shoulder	M06.01	ICD10CM	n

45606053	Rheumatoid arthritis without rheumatoid factor, right shoulder	M06.011	ICD10CM	n
45533701	Rheumatoid arthritis without rheumatoid factor, left shoulder	M06.012	ICD10CM	n
45591701	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	M06.019	ICD10CM	n
1570042	Rheumatoid arthritis without rheumatoid factor, elbow	M06.02	ICD10CM	n
45557762	Rheumatoid arthritis without rheumatoid factor, right elbow	M06.021	ICD10CM	n
45577104	Rheumatoid arthritis without rheumatoid factor, left elbow	M06.022	ICD10CM	n
45577105	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	M06.029	ICD10CM	n
1570043	Rheumatoid arthritis without rheumatoid factor, wrist	M06.03	ICD10CM	n
45606054	Rheumatoid arthritis without rheumatoid factor, right wrist	M06.031	ICD10CM	n
45562593	Rheumatoid arthritis without rheumatoid factor, left wrist	M06.032	ICD10CM	n
45577106	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	M06.039	ICD10CM	n
1570044	Rheumatoid arthritis without rheumatoid factor, hand	M06.04	ICD10CM	n
45606055	Rheumatoid arthritis without rheumatoid factor, right hand	M06.041	ICD10CM	n
45572340	Rheumatoid arthritis without rheumatoid factor, left hand	M06.042	ICD10CM	n
45577107	Rheumatoid arthritis without rheumatoid factor, unspecified hand	M06.049	ICD10CM	n

1570045	Rheumatoid arthritis without rheumatoid factor, hip	M06.05	ICD10CM	n
45557763	Rheumatoid arthritis without rheumatoid factor, right hip	M06.051	ICD10CM	n
45533702	Rheumatoid arthritis without rheumatoid factor, left hip	M06.052	ICD10CM	n
45577108	Rheumatoid arthritis without rheumatoid factor, unspecified hip	M06.059	ICD10CM	n
1570046	Rheumatoid arthritis without rheumatoid factor, knee	M06.06	ICD10CM	n
45601284	Rheumatoid arthritis without rheumatoid factor, right knee	M06.061	ICD10CM	n
45553051	Rheumatoid arthritis without rheumatoid factor, left knee	M06.062	ICD10CM	n
45538635	Rheumatoid arthritis without rheumatoid factor, unspecified knee	M06.069	ICD10CM	n
1570047	Rheumatoid arthritis without rheumatoid factor, ankle and foot	M06.07	ICD10CM	n
45577109	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	M06.071	ICD10CM	n
45567420	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	M06.072	ICD10CM	n
45533703	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	M06.079	ICD10CM	n
45606056	Rheumatoid arthritis without rheumatoid factor, vertebrae	M06.08	ICD10CM	n
45572341	Rheumatoid arthritis without rheumatoid factor, multiple sites	M06.09	ICD10CM	n
35208751	Adult-onset Still's disease	M06.1	ICD10CM	n
1570048	Rheumatoid bursitis	M06.2	ICD10CM	n

45606057	Rheumatoid bursitis, unspecified site	M06.20	ICD10CM	n
1570049	Rheumatoid bursitis, shoulder	M06.21	ICD10CM	n
45596443	Rheumatoid bursitis, right shoulder	M06.211	ICD10CM	n
45591702	Rheumatoid bursitis, left shoulder	M06.212	ICD10CM	n
45577111	Rheumatoid bursitis, unspecified shoulder	M06.219	ICD10CM	n
1570050	Rheumatoid bursitis, elbow	M06.22	ICD10CM	n
45577112	Rheumatoid bursitis, right elbow	M06.221	ICD10CM	n
45601285	Rheumatoid bursitis, left elbow	M06.222	ICD10CM	n
45538636	Rheumatoid bursitis, unspecified elbow	M06.229	ICD10CM	n
1570051	Rheumatoid bursitis, wrist	M06.23	ICD10CM	n
45557764	Rheumatoid bursitis, right wrist	M06.231	ICD10CM	n
45572342	Rheumatoid bursitis, left wrist	M06.232	ICD10CM	n
45606058	Rheumatoid bursitis, unspecified wrist	M06.239	ICD10CM	n
1570052	Rheumatoid bursitis, hand	M06.24	ICD10CM	n
45543437	Rheumatoid bursitis, right hand	M06.241	ICD10CM	n
45606059	Rheumatoid bursitis, left hand	M06.242	ICD10CM	n
45577113	Rheumatoid bursitis, unspecified hand	M06.249	ICD10CM	n
1570053	Rheumatoid bursitis, hip	M06.25	ICD10CM	n
45586840	Rheumatoid bursitis, right hip	M06.251	ICD10CM	n
45601286	Rheumatoid bursitis, left hip	M06.252	ICD10CM	n
45606060	Rheumatoid bursitis, unspecified hip	M06.259	ICD10CM	n
1570054	Rheumatoid bursitis, knee	M06.26	ICD10CM	n
45586841	Rheumatoid bursitis, right knee	M06.261	ICD10CM	n
45562594	Rheumatoid bursitis, left knee	M06.262	ICD10CM	n
45562595	Rheumatoid bursitis, unspecified knee	M06.269	ICD10CM	n

1570055	Rheumatoid bursitis, ankle and foot	M06.27	ICD10CM	n
45577114	Rheumatoid bursitis, right ankle and foot	M06.271	ICD10CM	n
45586842	Rheumatoid bursitis, left ankle and foot	M06.272	ICD10CM	n
45562596	Rheumatoid bursitis, unspecified ankle and foot	M06.279	ICD10CM	n
45572343	Rheumatoid bursitis, vertebrae	M06.28	ICD10CM	n
45572344	Rheumatoid bursitis, multiple sites	M06.29	ICD10CM	n
1570056	Rheumatoid nodule	M06.3	ICD10CM	n
45591703	Rheumatoid nodule, unspecified site	M06.30	ICD10CM	n
1570057	Rheumatoid nodule, shoulder	M06.31	ICD10CM	n
45543438	Rheumatoid nodule, right shoulder	M06.311	ICD10CM	n
45606061	Rheumatoid nodule, left shoulder	M06.312	ICD10CM	n
45548267	Rheumatoid nodule, unspecified shoulder	M06.319	ICD10CM	n
1570058	Rheumatoid nodule, elbow	M06.32	ICD10CM	n
45596444	Rheumatoid nodule, right elbow	M06.321	ICD10CM	n
45553052	Rheumatoid nodule, left elbow	M06.322	ICD10CM	n
45543439	Rheumatoid nodule, unspecified elbow	M06.329	ICD10CM	n
1570059	Rheumatoid nodule, wrist	M06.33	ICD10CM	n
45577115	Rheumatoid nodule, right wrist	M06.331	ICD10CM	n
45586843	Rheumatoid nodule, left wrist	M06.332	ICD10CM	n
45557765	Rheumatoid nodule, unspecified wrist	M06.339	ICD10CM	n
1570060	Rheumatoid nodule, hand	M06.34	ICD10CM	n
45548268	Rheumatoid nodule, right hand	M06.341	ICD10CM	n
45606062	Rheumatoid nodule, left hand	M06.342	ICD10CM	n
45586844	Rheumatoid nodule, unspecified hand	M06.349	ICD10CM	n
1570061	Rheumatoid nodule, hip	M06.35	ICD10CM	n

45538638	Rheumatoid nodule, right hip	M06.351	ICD10CM	n
45596445	Rheumatoid nodule, left hip	M06.352	ICD10CM	n
45591704	Rheumatoid nodule, unspecified hip	M06.359	ICD10CM	n
1570062	Rheumatoid nodule, knee	M06.36	ICD10CM	n
45553053	Rheumatoid nodule, right knee	M06.361	ICD10CM	n
45562597	Rheumatoid nodule, left knee	M06.362	ICD10CM	n
45577116	Rheumatoid nodule, unspecified knee	M06.369	ICD10CM	n
1570063	Rheumatoid nodule, ankle and foot	M06.37	ICD10CM	n
45601287	Rheumatoid nodule, right ankle and foot	M06.371	ICD10CM	n
45548269	Rheumatoid nodule, left ankle and foot	M06.372	ICD10CM	n
45572345	Rheumatoid nodule, unspecified ankle and foot	M06.379	ICD10CM	n
45582017	Rheumatoid nodule, vertebrae	M06.38	ICD10CM	n
45543440	Rheumatoid nodule, multiple sites	M06.39	ICD10CM	n
35208752	Inflammatory polyarthropathy	M06.4	ICD10CM	n
1570064	Other specified rheumatoid arthritis	M06.8	ICD10CM	n
45548270	Other specified rheumatoid arthritis, unspecified site	M06.80	ICD10CM	n
1570065	Other specified rheumatoid arthritis, shoulder	M06.81	ICD10CM	n
45572346	Other specified rheumatoid arthritis, right shoulder	M06.811	ICD10CM	n
45567422	Other specified rheumatoid arthritis, left shoulder	M06.812	ICD10CM	n
45601288	Other specified rheumatoid arthritis, unspecified shoulder	M06.819	ICD10CM	n
1570066	Other specified rheumatoid arthritis, elbow	M06.82	ICD10CM	n
45538639	Other specified rheumatoid arthritis, right elbow	M06.821	ICD10CM	n
45562598	Other specified rheumatoid arthritis, left elbow	M06.822	ICD10CM	n

45596446	Other specified rheumatoid arthritis, unspecified elbow	M06.829	ICD10CM	n
1570067	Other specified rheumatoid arthritis, wrist	M06.83	ICD10CM	n
45577117	Other specified rheumatoid arthritis, right wrist	M06.831	ICD10CM	n
45567423	Other specified rheumatoid arthritis, left wrist	M06.832	ICD10CM	n
45577118	Other specified rheumatoid arthritis, unspecified wrist	M06.839	ICD10CM	n
1570068	Other specified rheumatoid arthritis, hand	M06.84	ICD10CM	n
45606063	Other specified rheumatoid arthritis, right hand	M06.841	ICD10CM	n
45562599	Other specified rheumatoid arthritis, left hand	M06.842	ICD10CM	n
45577119	Other specified rheumatoid arthritis, unspecified hand	M06.849	ICD10CM	n
1570069	Other specified rheumatoid arthritis, hip	M06.85	ICD10CM	n
45543442	Other specified rheumatoid arthritis, right hip	M06.851	ICD10CM	n
45543443	Other specified rheumatoid arthritis, left hip	M06.852	ICD10CM	n
45567424	Other specified rheumatoid arthritis, unspecified hip	M06.859	ICD10CM	n
1570070	Other specified rheumatoid arthritis, knee	M06.86	ICD10CM	n
45601289	Other specified rheumatoid arthritis, right knee	M06.861	ICD10CM	n
45562600	Other specified rheumatoid arthritis, left knee	M06.862	ICD10CM	n
45548271	Other specified rheumatoid arthritis, unspecified knee	M06.869	ICD10CM	n
1570071	Other specified rheumatoid arthritis, ankle and foot	M06.87	ICD10CM	n
45606064	Other specified rheumatoid arthritis, right ankle and foot	M06.871	ICD10CM	n
45591705	Other specified rheumatoid arthritis, left ankle and foot	M06.872	ICD10CM	n
45567425	Other specified rheumatoid arthritis, unspecified ankle and foot	M06.879	ICD10CM	n

45567426	Other specified rheumatoid arthritis, vertebrae	M06.88	ICD10CM	n
45586845	Other specified rheumatoid arthritis, multiple sites	M06.89	ICD10CM	n
35208753	Rheumatoid arthritis, unspecified	M06.9	ICD10CM	n
45606038	Seropositive rheumatoid arthritis	M05	ICD10	n
45591684	Felty syndrome	M05.0	ICD10	n
42616528	Felty syndrome, multiple sites	M05.00	ICD10	n
42616529	Felty syndrome, shoulder region	M05.01	ICD10	n
42616530	Felty syndrome, upper arm	M05.02	ICD10	n
42616531	Felty syndrome, forearm	M05.03	ICD10	n
42616532	Felty syndrome, hand	M05.04	ICD10	n
42616533	Felty syndrome, pelvic region and thigh	M05.05	ICD10	n
42616534	Felty syndrome, lower leg	M05.06	ICD10	n
42616535	Felty syndrome, ankle and foot	M05.07	ICD10	n
42616536	Felty syndrome, other	M05.08	ICD10	n
42616537	Felty syndrome, site unspecified	M05.09	ICD10	n
42616538	Rheumatoid lung disease, multiple sites	M05.10	ICD10	n
42616539	Rheumatoid lung disease, shoulder region	M05.11	ICD10	n
42616542	Rheumatoid lung disease, hand	M05.14	ICD10	n
42616545	Rheumatoid lung disease, ankle and foot	M05.17	ICD10	n
45562583	Rheumatoid vasculitis	M05.2	ICD10	n
42616548	Rheumatoid vasculitis, multiple sites	M05.20	ICD10	n
42616549	Rheumatoid vasculitis, shoulder region	M05.21	ICD10	n
42616550	Rheumatoid vasculitis, upper arm	M05.22	ICD10	n
42616551	Rheumatoid vasculitis, forearm	M05.23	ICD10	n
42616552	Rheumatoid vasculitis, hand	M05.24	ICD10	n
42616553	Rheumatoid vasculitis, pelvic region and thigh	M05.25	ICD10	n

42616554	Rheumatoid vasculitis, lower leg	M05.26	ICD10	n
42616555	Rheumatoid vasculitis, ankle and foot	M05.27	ICD10	n
42616556	Rheumatoid vasculitis, other	M05.28	ICD10	n
42616557	Rheumatoid vasculitis, site unspecified	M05.29	ICD10	n
42616558	Rheumatoid arthritis with involvement of other organs and systems, multiple sites	M05.30	ICD10	n
42616559	Rheumatoid arthritis with involvement of other organs and systems, shoulder region	M05.31	ICD10	n
42616562	Rheumatoid arthritis with involvement of other organs and systems, hand	M05.34	ICD10	n
42616564	Rheumatoid arthritis with involvement of other organs and systems, lower leg	M05.36	ICD10	n
42616565	Rheumatoid arthritis with involvement of other organs and systems, ankle and foot	M05.37	ICD10	n
45538634	Other seropositive rheumatoid arthritis	M05.8	ICD10	n
42616567	Other seropositive rheumatoid arthritis, multiple sites	M05.80	ICD10	n
42616568	Other seropositive rheumatoid arthritis, shoulder region	M05.81	ICD10	n
42616569	Other seropositive rheumatoid arthritis, upper arm	M05.82	ICD10	n
42616570	Other seropositive rheumatoid arthritis, forearm	M05.83	ICD10	n
42616571	Other seropositive rheumatoid arthritis, hand	M05.84	ICD10	n

42616572	Other seropositive rheumatoid arthritis, pelvic region and thigh	M05.85	ICD10	n
42616573	Other seropositive rheumatoid arthritis, lower leg	M05.86	ICD10	n
42616574	Other seropositive rheumatoid arthritis, ankle and foot	M05.87	ICD10	n
42616575	Other seropositive rheumatoid arthritis, other	M05.88	ICD10	n
42616576	Other seropositive rheumatoid arthritis, site unspecified	M05.89	ICD10	n
45553050	Seropositive rheumatoid arthritis, unspecified	M05.9	ICD10	n
42616577	Seropositive rheumatoid arthritis, unspecified, multiple sites	M05.90	ICD10	n
42616578	Seropositive rheumatoid arthritis, unspecified, shoulder region	M05.91	ICD10	n
42616579	Seropositive rheumatoid arthritis, unspecified, upper arm	M05.92	ICD10	n
42616580	Seropositive rheumatoid arthritis, unspecified, forearm	M05.93	ICD10	n
42616581	Seropositive rheumatoid arthritis, unspecified, hand	M05.94	ICD10	n
42616582	Seropositive rheumatoid arthritis, unspecified, pelvic region and thigh	M05.95	ICD10	n
42616583	Seropositive rheumatoid arthritis, unspecified, lower leg	M05.96	ICD10	n
42616584	Seropositive rheumatoid arthritis, unspecified, ankle and foot	M05.97	ICD10	n
42616585	Seropositive rheumatoid arthritis, unspecified, other	M05.98	ICD10	n
42616586	Seropositive rheumatoid arthritis, unspecified, site unspecified	M05.99	ICD10	n
45596441	Other rheumatoid arthritis	M06	ICD10	n

45577103	Seronegative rheumatoid arthritis	M06.0	ICD10	n
42616587	Seronegative rheumatoid arthritis, multiple sites	M06.00	ICD10	n
42616588	Seronegative rheumatoid arthritis, shoulder region	M06.01	ICD10	n
42616589	Seronegative rheumatoid arthritis, upper arm	M06.02	ICD10	n
42619375	Seronegative rheumatoid arthritis, forearm	M06.03	ICD10	n
42616590	Seronegative rheumatoid arthritis, hand	M06.04	ICD10	n
42616591	Seronegative rheumatoid arthritis, pelvic region and thigh	M06.05	ICD10	n
42616592	Seronegative rheumatoid arthritis, lower leg	M06.06	ICD10	n
42616593	Seronegative rheumatoid arthritis, ankle and foot	M06.07	ICD10	n
42616594	Seronegative rheumatoid arthritis, other	M06.08	ICD10	n
42616595	Seronegative rheumatoid arthritis, site unspecified	M06.09	ICD10	n
45533704	Adult-onset Still disease	M06.1	ICD10	n
42616596	Adult-onset Still disease, multiple sites	M06.10	ICD10	n
42616597	Adult-onset Still disease, shoulder region	M06.11	ICD10	n
42616598	Adult-onset Still disease, upper arm	M06.12	ICD10	n
42616599	Adult-onset Still disease, forearm	M06.13	ICD10	n
42616600	Adult-onset Still disease, hand	M06.14	ICD10	n
42616601	Adult-onset Still disease, pelvic region and thigh	M06.15	ICD10	n
42616602	Adult-onset Still disease, lower leg	M06.16	ICD10	n
42616603	Adult-onset Still disease, ankle and foot	M06.17	ICD10	n
42616604	Adult-onset Still disease, other	M06.18	ICD10	n
42616605	Adult-onset Still disease, site unspecified	M06.19	ICD10	n

45567421	Inflammatory polyarthropathy	M06.4	ICD10	n
42616625	Inflammatory polyarthropathy, multiple sites	M06.40	ICD10	n
42616626	Inflammatory polyarthropathy, shoulder region	M06.41	ICD10	n
42616627	Inflammatory polyarthropathy, upper arm	M06.42	ICD10	n
42616628	Inflammatory polyarthropathy, forearm	M06.43	ICD10	n
42616629	Inflammatory polyarthropathy, hand	M06.44	ICD10	n
42616630	Inflammatory polyarthropathy, pelvic region and thigh	M06.45	ICD10	n
42616631	Inflammatory polyarthropathy, lower leg	M06.46	ICD10	n
42616632	Inflammatory polyarthropathy, ankle and foot	M06.47	ICD10	n
42619379	Inflammatory polyarthropathy, other	M06.48	ICD10	n
42616633	Inflammatory polyarthropathy, site unspecified	M06.49	ICD10	n
45543441	Other specified rheumatoid arthritis	M06.8	ICD10	n
42616634	Other specified rheumatoid arthritis, multiple sites	M06.80	ICD10	n
42616635	Other specified rheumatoid arthritis, shoulder region	M06.81	ICD10	n
42616636	Other specified rheumatoid arthritis, upper arm	M06.82	ICD10	n
42616637	Other specified rheumatoid arthritis, forearm	M06.83	ICD10	n
42616638	Other specified rheumatoid arthritis, hand	M06.84	ICD10	n
42616639	Other specified rheumatoid arthritis, pelvic region and thigh	M06.85	ICD10	n
42616640	Other specified rheumatoid arthritis, lower leg	M06.86	ICD10	n

42616641	Other specified rheumatoid arthritis, ankle and foot	M06.87	ICD10	n
42616642	Other specified rheumatoid arthritis, other	M06.88	ICD10	n
42616643	Other specified rheumatoid arthritis, site unspecified	M06.89	ICD10	n
45533705	Rheumatoid arthritis, unspecified	M06.9	ICD10	n
42616644	Rheumatoid arthritis, unspecified, multiple sites	M06.90	ICD10	n
42616645	Rheumatoid arthritis, unspecified, shoulder region	M06.91	ICD10	n
42616646	Rheumatoid arthritis, unspecified, upper arm	M06.92	ICD10	n
42616647	Rheumatoid arthritis, unspecified, forearm	M06.93	ICD10	n
42616648	Rheumatoid arthritis, unspecified, hand	M06.94	ICD10	n
42619380	Rheumatoid arthritis, unspecified, pelvic region and thigh	M06.95	ICD10	n
42616649	Rheumatoid arthritis, unspecified, lower leg	M06.96	ICD10	n
42616650	Rheumatoid arthritis, unspecified, ankle and foot	M06.97	ICD10	n
42616651	Rheumatoid arthritis, unspecified, other	M06.98	ICD10	n
42616652	Rheumatoid arthritis, unspecified, site unspecified	M06.99	ICD10	n

Rheumatoid Arthritis: Knowledge Engineered SNOMED Mimic				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
4291025	Arthritis	3723001	SNOMED	n
80809	Rheumatoid arthritis	69896004	SNOMED	n
81097	Felty's syndrome	57160007	SNOMED	n
78230	Rheumatoid arthritis with organ / system involvement	239793008	SNOMED	n

Rheumatoid Arthritis: Knowledge Engineered SNOMED Optimize				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
80809	Rheumatoid arthritis	69896004	SNOMED	y
4107913	Myopathy due to rheumatoid arthritis	193250002	SNOMED	y
4102493	Polyneuropathy in rheumatoid arthritis	193180002	SNOMED	y
4114443	Rheumatoid bursitis	201788009	SNOMED	y
4142899	Subcutaneous rheumatoid nodule	33719002	SNOMED	y
4179528	Rheumatic arthritis of temporomandibular joint	429422002	SNOMED	y
4030552	Rheumatic joint disease	14175009	SNOMED	y
4243205	Subacute rheumatic arthritis	58769002	SNOMED	y
4216531	Acute rheumatic arthritis	81077008	SNOMED	y
4291025	Arthritis	3723001	SNOMED	n

Type 1 Diabetes: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44820682	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	250.01	ICD9CM	n
44821787	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	250.03	ICD9CM	n
44824071	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	250.11	ICD9CM	n
44822934	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	250.13	ICD9CM	n
44832190	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	250.21	ICD9CM	n
44832191	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	250.23	ICD9CM	n
44832192	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	250.31	ICD9CM	n
44820683	Diabetes with other coma, type I [juvenile type], uncontrolled	250.33	ICD9CM	n
44822935	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	250.41	ICD9CM	n
44834549	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	250.43	ICD9CM	n
44822936	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	250.51	ICD9CM	n
44820684	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	250.53	ICD9CM	n
44831046	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	250.61	ICD9CM	n

44819501	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	250.63	ICD9CM	n
44825264	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	250.71	ICD9CM	n
44819502	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	250.73	ICD9CM	n
44836918	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	250.81	ICD9CM	n
44833368	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	250.83	ICD9CM	n
44829881	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	250.91	ICD9CM	n
44819504	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	250.93	ICD9CM	n

Type 1 Diabetes: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
45773567	Sensory neuropathy due to type 1 diabetes mellitus	102781000119107	SNOMED	n
45757073	Retinal ischemia due to type 1 diabetes mellitus	104941000119109	SNOMED	n
45757074	Diabetic vitreous hemorrhage due to type 1 diabetes mellitus	104951000119106	SNOMED	n
46269764	Skin ulcer of toe due to diabetes mellitus type 1	10656231000119100	SNOMED	n
45757266	Retinal edema due to type 1 diabetes mellitus	109171000119104	SNOMED	n
45770902	Ulcer of lower limb due to type 1 diabetes mellitus	110141000119100	SNOMED	n
45757362	Hypoglycemic unawareness in type 1 diabetes mellitus	120711000119108	SNOMED	n
45757393	Hypertension concurrent and due to end stage renal disease on dialysis due to type 1 diabetes mellitus	128001000119105	SNOMED	n
45757432	Hyperlipidemia due to type 1 diabetes mellitus	137941000119106	SNOMED	n
37016179	Mild nonproliferative retinopathy due to type 1 diabetes mellitus	138881000119106	SNOMED	n
37016180	Moderate nonproliferative retinopathy due to type 1 diabetes mellitus	138891000119109	SNOMED	n
43530660	Mixed hyperlipidemia due to type 1 diabetes mellitus	1571000119104	SNOMED	n
45757507	Foot ulcer due to type 1 diabetes mellitus	164881000119109	SNOMED	n
45757535	Microalbuminuria due to type 1 diabetes mellitus	18521000119106	SNOMED	n
201531	Type 1 diabetes mellitus with hyperosmolar coma	190330002	SNOMED	n
4099214	Type 1 diabetes mellitus with ulcer	190368000	SNOMED	n
4096668	Type 1 diabetes mellitus with gangrene	190369008	SNOMED	n
4099215	Type 1 diabetes mellitus maturity onset	190372001	SNOMED	n
4063042	Pre-existing type 1 diabetes mellitus	199229001	SNOMED	n

4047906	Insulin dependent diabetes mellitus type 1A	23045005	SNOMED	n
45757604	Proteinuria due to type 1 diabetes mellitus	243421000119104	SNOMED	n
4102018	Insulin dependent diabetes mellitus type 1B	28032008	SNOMED	n
36713094	Peripheral angiopathy due to type 1 diabetes mellitus	31211000119101	SNOMED	n
45757674	Diabetes mellitus type 1 without retinopathy	31321000119102	SNOMED	n
443412	Type 1 diabetes mellitus without complication	313435000	SNOMED	n
4151281	Type 1 diabetes mellitus with hypoglycemic coma	314771006	SNOMED	n
4152858	Type 1 diabetes mellitus with arthropathy	314893005	SNOMED	n
37016348	Hyperglycemia due to type 1 diabetes mellitus	367991000119101	SNOMED	n
37016353	Dyslipidemia due to type 1 diabetes mellitus	368551000119104	SNOMED	n
4295011	Type 1 diabetes mellitus with persistent microalbuminuria	401110002	SNOMED	n
439770	Ketoacidosis in type 1 diabetes mellitus	420270002	SNOMED	n
4222553	Persistent proteinuria associated with type 1 diabetes mellitus	420514000	SNOMED	n
435216	Disorder due to type 1 diabetes mellitus	420868002	SNOMED	n
4225055	Mononeuropathy associated with type 1 diabetes mellitus	420918009	SNOMED	n
4224254	Ketoacidotic coma in type 1 diabetes mellitus	421075007	SNOMED	n
373999	Diabetic oculopathy associated with type 1 diabetes mellitus	421165007	SNOMED	n
4222687	Persistent microalbuminuria associated with type 1 diabetes mellitus	421305000	SNOMED	n
318712	Peripheral circulatory disorder associated with type 1 diabetes mellitus	421365002	SNOMED	n

4228112	Hypoglycemic coma in type 1 diabetes mellitus	421437000	SNOMED	n
377821	Neurological disorder associated with type 1 diabetes mellitus	421468001	SNOMED	n
200687	Renal disorder associated with type 1 diabetes mellitus	421893009	SNOMED	n
4224709	Multiple complications of type 1 diabetes mellitus	422228004	SNOMED	n
4143689	Small vessel disease due to type 1 diabetes mellitus	426907004	SNOMED	n
4143857	Amyotrophy due to type 1 diabetes mellitus	427571000	SNOMED	n
443592	Hyperosmolality due to uncontrolled type 1 diabetes mellitus	428896009	SNOMED	n
40484648	Type 1 diabetes mellitus uncontrolled	444073006	SNOMED	n
201254	Type 1 diabetes mellitus	46635009	SNOMED	n
43531008	Pre-existing type 1 diabetes mellitus in pregnancy	609564002	SNOMED	n
43531009	Pregnancy and type 1 diabetes mellitus	609566000	SNOMED	n
45763583	Nonproliferative diabetic retinopathy due to type 1 diabetes mellitus	60961000119107	SNOMED	n
45763584	Proliferative retinopathy due to type 1 diabetes mellitus	60971000119101	SNOMED	n
45763585	Blindness due to type 1 diabetes mellitus	60991000119100	SNOMED	n
43531565	Diabetic erectile dysfunction associated with type 1 diabetes mellitus	691000119103	SNOMED	n
45766051	Type I diabetes mellitus in remission	703137001	SNOMED	n
37016767	Diabetic autonomic neuropathy due to type 1 diabetes mellitus	712882000	SNOMED	n
37017429	Gastroparesis due to type 1 diabetes mellitus	713702000	SNOMED	n
37017431	Polyneuropathy due to type 1 diabetes mellitus	713705003	SNOMED	n

45771067	Hypertension in chronic kidney disease due to type 1 diabetes mellitus	71701000119105	SNOMED	n
45769829	Nephrotic syndrome due to type 1 diabetes mellitus	71721000119101	SNOMED	n
45769830	Neuropathic arthropathy due to type 1 diabetes mellitus	71771000119100	SNOMED	n
37018566	Peripheral neuropathy due to type 1 diabetes mellitus	71791000119104	SNOMED	n
45769832	Diabetic dermopathy due to type 1 diabetes mellitus	72021000119109	SNOMED	n
45769833	Severe malnutrition due to type 1 diabetes mellitus	72031000119107	SNOMED	n
45769834	Osteomyelitis due to type 1 diabetes mellitus	72041000119103	SNOMED	n
36715571	Acidosis due to type 1 diabetes mellitus	721283000	SNOMED	n
45769837	Chronic ulcer of skin due to type 1 diabetes mellitus	72141000119104	SNOMED	n
36717215	Intellectual disability, craniofacial dysmorphism, hypogonadism, diabetes mellitus syndrome	722454003	SNOMED	n
45769873	Traction retinal detachment due to type 1 diabetes mellitus	82571000119107	SNOMED	n
45771533	Rubeosis iridis due to type 1 diabetes mellitus	82581000119105	SNOMED	n
45769876	Hypoglycemia due to type 1 diabetes mellitus	84371000119108	SNOMED	n
45769891	Ankle ulcer due to type 1 diabetes mellitus	87471000119106	SNOMED	n
45771068	Heel AND/OR midfoot ulcer due to type 1 diabetes mellitus	87481000119109	SNOMED	n
45769892	Forefoot ulcer due to type 1 diabetes mellitus	87491000119107	SNOMED	n
45773576	Chronic kidney disease stage 1 due to type 1 diabetes mellitus	90721000119101	SNOMED	n
45769901	Chronic kidney disease stage 2 due to type 1 diabetes mellitus	90731000119103	SNOMED	n

45771075	Chronic kidney disease stage 3 due to type 1 diabetes mellitus	90741000119107	SNOMED	n
45769902	Chronic kidney disease stage 4 due to type 1 diabetes mellitus	90751000119109	SNOMED	n
45769903	Chronic kidney disease stage 5 due to type 1 diabetes mellitus	90761000119106	SNOMED	n
45769904	End stage renal disease on dialysis due to type 1 diabetes mellitus	90771000119100	SNOMED	n
45773688	Chronic kidney disease due to type 1 diabetes mellitus	96441000119101	SNOMED	n
44820682	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	250.01	ICD9CM	n
44821787	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	250.03	ICD9CM	n
44824071	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	250.11	ICD9CM	n
44822934	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	250.13	ICD9CM	n
44832190	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	250.21	ICD9CM	n
44832191	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	250.23	ICD9CM	n
44832192	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	250.31	ICD9CM	n
44820683	Diabetes with other coma, type I [juvenile type], uncontrolled	250.33	ICD9CM	n
44822935	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	250.41	ICD9CM	n

44834549	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	250.43	ICD9CM	n
44822936	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	250.51	ICD9CM	n
44820684	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	250.53	ICD9CM	n
44831046	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	250.61	ICD9CM	n
44819501	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	250.63	ICD9CM	n
44825264	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	250.71	ICD9CM	n
44819502	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	250.73	ICD9CM	n
44836918	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	250.81	ICD9CM	n
44833368	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	250.83	ICD9CM	n
44829881	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	250.91	ICD9CM	n
44819504	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	250.93	ICD9CM	n
1567940	Type 1 diabetes mellitus	E10	ICD10CM	n
1567941	Type 1 diabetes mellitus with ketoacidosis	E10.1	ICD10CM	n
45600636	Type 1 diabetes mellitus with ketoacidosis without coma	E10.10	ICD10CM	n

45557110	Type 1 diabetes mellitus with ketoacidosis with coma	E10.11	ICD10CM	n
1567942	Type 1 diabetes mellitus with kidney complications	E10.2	ICD10CM	n
45552379	Type 1 diabetes mellitus with diabetic nephropathy	E10.21	ICD10CM	n
45547621	Type 1 diabetes mellitus with diabetic chronic kidney disease	E10.22	ICD10CM	n
45600637	Type 1 diabetes mellitus with other diabetic kidney complication	E10.29	ICD10CM	n
1567943	Type 1 diabetes mellitus with ophthalmic complications	E10.3	ICD10CM	n
1567944	Type 1 diabetes mellitus with unspecified diabetic retinopathy	E10.31	ICD10CM	n
45552381	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	E10.311	ICD10CM	n
45542736	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	E10.319	ICD10CM	n
1567945	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy	E10.32	ICD10CM	n
45595793	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	E10.321	ICD10CM	n
	..... right eye	E10.3211	ICD10CM	n
	..... left eye	E10.3212	ICD10CM	n
	..... bilateral	E10.3213	ICD10CM	n
	..... unspecified eye	E10.3219	ICD10CM	n
45591026	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	E10.329	ICD10CM	n
	..... right eye	E10.3291	ICD10CM	n
	..... left eye	E10.3292	ICD10CM	n
	..... bilateral	E10.3293	ICD10CM	n

	..... unspecified eye	E10.3299	ICD10CM	n
1567946	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy	E10.33	ICD10CM	n
45561947	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	E10.331	ICD10CM	n
	..... right eye	E10.3311	ICD10CM	n
	..... left eye	E10.3312	ICD10CM	n
	..... bilateral	E10.3313	ICD10CM	n
	..... unspecified eye	E10.3319	ICD10CM	n
45605397	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	E10.339	ICD10CM	n
	..... right eye	E10.3391	ICD10CM	n
	..... left eye	E10.3392	ICD10CM	n
	..... bilateral	E10.3393	ICD10CM	n
	..... unspecified eye	E10.3399	ICD10CM	n
1567947	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy	E10.34	ICD10CM	n
45595794	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	E10.341	ICD10CM	n
	..... right eye	E10.3411	ICD10CM	n
	..... left eye	E10.3412	ICD10CM	n
	..... bilateral	E10.3413	ICD10CM	n
	..... unspecified eye	E10.3419	ICD10CM	n
45537958	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	E10.349	ICD10CM	n
	..... right eye	E10.3491	ICD10CM	n
	..... left eye	E10.3492	ICD10CM	n
	..... bilateral	E10.3493	ICD10CM	n
	..... unspecified eye	E10.3499	ICD10CM	n

1567948	Type 1 diabetes mellitus with proliferative diabetic retinopathy	E10.35	ICD10CM	n
45576437	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema	E10.351	ICD10CM	n
	..... right eye	E10.3511	ICD10CM	n
	..... left eye	E10.3512	ICD10CM	n
	..... bilateral	E10.3513	ICD10CM	n
	..... unspecified eye	E10.3519	ICD10CM	n
	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula	E10.352	ICD10CM	n
	..... right eye	E10.3521	ICD10CM	n
	..... left eye	E10.3522	ICD10CM	n
	..... bilateral	E10.3523	ICD10CM	n
	..... unspecified eye	E10.3529	ICD10CM	n
	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula	E10.353	ICD10CM	n
	..... right eye	E10.3531	ICD10CM	n
	..... left eye	E10.3532	ICD10CM	n
	..... bilateral	E10.3533	ICD10CM	n
	..... unspecified eye	E10.3539	ICD10CM	n
	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment	E10.354	ICD10CM	n
	..... right eye	E10.3541	ICD10CM	n
	..... left eye	E10.3542	ICD10CM	n
	..... bilateral	E10.3543	ICD10CM	n
	..... unspecified eye	E10.3549	ICD10CM	n
	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy	E10.355	ICD10CM	n
	..... right eye	E10.3551	ICD10CM	n
	..... left eye	E10.3552	ICD10CM	n
	..... bilateral	E10.3553	ICD10CM	n

	..... unspecified eye	E10.3559	ICD10CM	n
45571654	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema	E10.359	ICD10CM	n
	..... right eye	E10.3591	ICD10CM	n
	..... left eye	E10.3592	ICD10CM	n
	..... bilateral	E10.3593	ICD10CM	n
	..... unspecified eye	E10.3599	ICD10CM	n
45552382	Type 1 diabetes mellitus with diabetic cataract	E10.36	ICD10CM	n
	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment	E10.37	ICD10CM	n
	..... right eye	E10.37X1	ICD10CM	n
	..... left eye	E10.37X2	ICD10CM	n
	..... bilateral	E10.37X3	ICD10CM	n
	..... unspecified eye	E10.37X9	ICD10CM	n
45576438	Type 1 diabetes mellitus with other diabetic ophthalmic complication	E10.39	ICD10CM	n
1567949	Type 1 diabetes mellitus with neurological complications	E10.4	ICD10CM	n
45600638	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	E10.40	ICD10CM	n
45576439	Type 1 diabetes mellitus with diabetic mononeuropathy	E10.41	ICD10CM	n
45595795	Type 1 diabetes mellitus with diabetic polyneuropathy	E10.42	ICD10CM	n
45533017	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	E10.43	ICD10CM	n
45561948	Type 1 diabetes mellitus with diabetic amyotrophy	E10.44	ICD10CM	n
45586138	Type 1 diabetes mellitus with other diabetic neurological complication	E10.49	ICD10CM	n
1567950	Type 1 diabetes mellitus with circulatory complications	E10.5	ICD10CM	n

45547622	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	E10.51	ICD10CM	n
45542737	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	E10.52	ICD10CM	n
45581349	Type 1 diabetes mellitus with other circulatory complications	E10.59	ICD10CM	n
1567951	Type 1 diabetes mellitus with other specified complications	E10.6	ICD10CM	n
1567952	Type 1 diabetes mellitus with diabetic arthropathy	E10.61	ICD10CM	n
45576440	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	E10.610	ICD10CM	n
45537960	Type 1 diabetes mellitus with other diabetic arthropathy	E10.618	ICD10CM	n
1567953	Type 1 diabetes mellitus with skin complications	E10.62	ICD10CM	n
45600639	Type 1 diabetes mellitus with diabetic dermatitis	E10.620	ICD10CM	n
45605398	Type 1 diabetes mellitus with foot ulcer	E10.621	ICD10CM	n
45581350	Type 1 diabetes mellitus with other skin ulcer	E10.622	ICD10CM	n
45566729	Type 1 diabetes mellitus with other skin complications	E10.628	ICD10CM	n
1567954	Type 1 diabetes mellitus with oral complications	E10.63	ICD10CM	n
45557111	Type 1 diabetes mellitus with periodontal disease	E10.630	ICD10CM	n
45547623	Type 1 diabetes mellitus with other oral complications	E10.638	ICD10CM	n
1567955	Type 1 diabetes mellitus with hypoglycemia	E10.64	ICD10CM	n
45552383	Type 1 diabetes mellitus with hypoglycemia with coma	E10.641	ICD10CM	n

45600640	Type 1 diabetes mellitus with hypoglycemia without coma	E10.649	ICD10CM	n
45533018	Type 1 diabetes mellitus with hyperglycemia	E10.65	ICD10CM	n
45547624	Type 1 diabetes mellitus with other specified complication	E10.69	ICD10CM	n
35206878	Type 1 diabetes mellitus with unspecified complications	E10.8	ICD10CM	n
35206879	Type 1 diabetes mellitus without complications	E10.9	ICD10CM	n
1571684	Pre-existing diabetes mellitus, type 1, in pregnancy, childbirth and the puerperium	O24.0	ICD10CM	n
1571685	Pre-existing diabetes mellitus, type 1, in pregnancy	O24.01	ICD10CM	n
45548715	Pre-existing diabetes mellitus, type 1, in pregnancy, first trimester	O24.011	ICD10CM	n
45587291	Pre-existing diabetes mellitus, type 1, in pregnancy, second trimester	O24.012	ICD10CM	n
45539105	Pre-existing diabetes mellitus, type 1, in pregnancy, third trimester	O24.013	ICD10CM	n
45543921	Pre-existing diabetes mellitus, type 1, in pregnancy, unspecified trimester	O24.019	ICD10CM	n
45606546	Pre-existing diabetes mellitus, type 1, in childbirth	O24.02	ICD10CM	n
45577566	Pre-existing diabetes mellitus, type 1, in the puerperium	O24.03	ICD10CM	n
45576436	Type 1 diabetes mellitus	E10	ICD10	n
45755355	Type 1 diabetes mellitus, With coma	E10.0	ICD10	n
45542735	Type 1 diabetes mellitus, With ketoacidosis	E10.1	ICD10	n

45586137	Type 1 diabetes mellitus, With renal complications	E10.2	ICD10	n
45552380	Type 1 diabetes mellitus, With ophthalmic complications	E10.3	ICD10	n
45533016	Type 1 diabetes mellitus, With neurological complications	E10.4	ICD10	n
45595796	Type 1 diabetes mellitus, With peripheral circulatory complications	E10.5	ICD10	n
45537959	Type 1 diabetes mellitus, With other specified complications	E10.6	ICD10	n
45571655	Type 1 diabetes mellitus, With multiple complications	E10.7	ICD10	n
45552384	Type 1 diabetes mellitus, With unspecified complications	E10.8	ICD10	n
45581351	Type 1 diabetes mellitus, Without complications	E10.9	ICD10	n
45558213	Diabetes mellitus in pregnancy: Pre-existing diabetes mellitus, insulin- dependent	O24.0	ICD10	n

Type 1 Diabetes: Knowledge Engineered SNOMED Mimic				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
201531	Type 1 diabetes mellitus with hyperosmolar coma	190330002	SNOMED	n
439770	Ketoacidosis in type 1 diabetes mellitus	420270002	SNOMED	n
435216	Disorder due to type 1 diabetes mellitus	420868002	SNOMED	n
373999	Diabetic oculopathy associated with type 1 diabetes mellitus	421165007	SNOMED	n
318712	Peripheral circulatory disorder associated with type 1 diabetes mellitus	421365002	SNOMED	n
4228112	Hypoglycemic coma in type 1 diabetes mellitus	421437000	SNOMED	n
377821	Neurological disorder associated with type 1 diabetes mellitus	421468001	SNOMED	n
200687	Renal disorder associated with type 1 diabetes mellitus	421893009	SNOMED	n
443592	Hyperosmolality due to uncontrolled type 1 diabetes mellitus	428896009	SNOMED	n
40484648	Type 1 diabetes mellitus uncontrolled	444073006	SNOMED	n
201254	Type 1 diabetes mellitus	46635009	SNOMED	n

Type 1 Diabetes: Knowledge Engineered SNOMED Optimize				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
46269764	Skin ulcer of toe due to diabetes mellitus type 1	10656231000119100	SNOMED	y
45770902	Ulcer of lower limb due to type 1 diabetes mellitus	110141000119100	SNOMED	y
45757362	Hypoglycemic unawareness in type 1 diabetes mellitus	120711000119108	SNOMED	y
45757393	Hypertension concurrent and due to end stage renal disease on dialysis due to type 1 diabetes mellitus	128001000119105	SNOMED	y
45757432	Hyperlipidemia due to type 1 diabetes mellitus	137941000119106	SNOMED	y
43530660	Mixed hyperlipidemia due to type 1 diabetes mellitus	1571000119104	SNOMED	y
45757507	Foot ulcer due to type 1 diabetes mellitus	164881000119109	SNOMED	y
201531	Type 1 diabetes mellitus with hyperosmolar coma	190330002	SNOMED	y
4099214	Type 1 diabetes mellitus with ulcer	190368000	SNOMED	y
4096668	Type 1 diabetes mellitus with gangrene	190369008	SNOMED	y
4099215	Type 1 diabetes mellitus maturity onset	190372001	SNOMED	y
4063042	Pre-existing type 1 diabetes mellitus	199229001	SNOMED	y
4047906	Insulin dependent diabetes mellitus type 1A	23045005	SNOMED	y
4102018	Insulin dependent diabetes mellitus type 1B	28032008	SNOMED	y
45757674	Diabetes mellitus type 1 without retinopathy	31321000119102	SNOMED	y
443412	Type 1 diabetes mellitus without complication	313435000	SNOMED	y
4151281	Type 1 diabetes mellitus with hypoglycemic coma	314771006	SNOMED	y
4152858	Type 1 diabetes mellitus with arthropathy	314893005	SNOMED	y
37016348	Hyperglycemia due to type 1 diabetes mellitus	367991000119101	SNOMED	y
37016353	Dyslipidemia due to type 1 diabetes mellitus	368551000119104	SNOMED	y
439770	Ketoacidosis in type 1 diabetes mellitus	420270002	SNOMED	y

435216	Disorder due to type 1 diabetes mellitus	420868002	SNOMED	n
373999	Diabetic oculopathy associated with type 1 diabetes mellitus	421165007	SNOMED	y
318712	Peripheral circulatory disorder associated with type 1 diabetes mellitus	421365002	SNOMED	y
377821	Neurological disorder associated with type 1 diabetes mellitus	421468001	SNOMED	y
200687	Renal disorder associated with type 1 diabetes mellitus	421893009	SNOMED	y
4224709	Multiple complications of type 1 diabetes mellitus	422228004	SNOMED	y
4143689	Small vessel disease due to type 1 diabetes mellitus	426907004	SNOMED	y
443592	Hyperosmolality due to uncontrolled type 1 diabetes mellitus	428896009	SNOMED	y
40484648	Type 1 diabetes mellitus uncontrolled	444073006	SNOMED	y
201254	Type 1 diabetes mellitus	46635009	SNOMED	n
43531008	Pre-existing type 1 diabetes mellitus in pregnancy	609564002	SNOMED	y
43531009	Pregnancy and type 1 diabetes mellitus	609566000	SNOMED	y
45763585	Blindness due to type 1 diabetes mellitus	60991000119100	SNOMED	y
43531565	Diabetic erectile dysfunction associated with type 1 diabetes mellitus	691000119103	SNOMED	y
45766051	Type I diabetes mellitus in remission	703137001	SNOMED	y
37017429	Gastroparesis due to type 1 diabetes mellitus	713702000	SNOMED	y
45771067	Hypertension in chronic kidney disease due to type 1 diabetes mellitus	71701000119105	SNOMED	y
45769830	Neuropathic arthropathy due to type 1 diabetes mellitus	71771000119100	SNOMED	y
45769832	Diabetic dermopathy due to type 1 diabetes mellitus	72021000119109	SNOMED	y

45769833	Severe malnutrition due to type 1 diabetes mellitus	72031000119107	SNOMED	y
45769834	Osteomyelitis due to type 1 diabetes mellitus	72041000119103	SNOMED	y
36715571	Acidosis due to type 1 diabetes mellitus	721283000	SNOMED	y
45769837	Chronic ulcer of skin due to type 1 diabetes mellitus	72141000119104	SNOMED	y
36717215	Intellectual disability, craniofacial dysmorphism, hypogonadism, diabetes mellitus syndrome	722454003	SNOMED	y
45769876	Hypoglycemia due to type 1 diabetes mellitus	84371000119108	SNOMED	y
45769891	Ankle ulcer due to type 1 diabetes mellitus	87471000119106	SNOMED	y
45771068	Heel AND/OR midfoot ulcer due to type 1 diabetes mellitus	87481000119109	SNOMED	y
45769892	Forefoot ulcer due to type 1 diabetes mellitus	87491000119107	SNOMED	y
45773576	Chronic kidney disease stage 1 due to type 1 diabetes mellitus	90721000119101	SNOMED	y
45769901	Chronic kidney disease stage 2 due to type 1 diabetes mellitus	90731000119103	SNOMED	y
45771075	Chronic kidney disease stage 3 due to type 1 diabetes mellitus	90741000119107	SNOMED	y
45769902	Chronic kidney disease stage 4 due to type 1 diabetes mellitus	90751000119109	SNOMED	y
45769903	Chronic kidney disease stage 5 due to type 1 diabetes mellitus	90761000119106	SNOMED	y
45769904	End stage renal disease on dialysis due to type 1 diabetes mellitus	90771000119100	SNOMED	y
45773688	Chronic kidney disease due to type 1 diabetes mellitus	96441000119101	SNOMED	y

Type 2 Diabetes: Original ICD9 Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
44836914	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	250.00	ICD9CM	n
44836915	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	250.02	ICD9CM	n
44836916	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	250.20	ICD9CM	n
44824073	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	250.22	ICD9CM	n
44826460	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	250.30	ICD9CM	n
44832193	Diabetes with other coma, type II or unspecified type, uncontrolled	250.32	ICD9CM	n
44831045	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	250.40	ICD9CM	n
44832194	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	250.42	ICD9CM	n
44819500	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	250.50	ICD9CM	n
44829879	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	250.52	ICD9CM	n
44828795	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	250.60	ICD9CM	n

44833366	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	250.62	ICD9CM	n
44827616	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	250.70	ICD9CM	n
44833367	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	250.72	ICD9CM	n
44831047	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	250.80	ICD9CM	n
44826461	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	250.82	ICD9CM	n
44827617	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	250.90	ICD9CM	n
44829882	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	250.92	ICD9CM	n

Type 2 Diabetes: Author-intent extension to Concept Set Gold Standard				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
45571656	Type 2 diabetes mellitus	E11	ICD10	n
45576441	Type 2 diabetes mellitus, with coma	E11.0	ICD10	n
45605400	Type 2 diabetes mellitus, with renal complications	E11.2	ICD10	n
45591028	Type 2 diabetes mellitus, with ophthalmic complications	E11.3	ICD10	n
45576442	Type 2 diabetes mellitus, with neurological complications	E11.4	ICD10	n
45557114	Type 2 diabetes mellitus, with peripheral circulatory complications	E11.5	ICD10	n
45552387	Type 2 diabetes mellitus, with other specified complications	E11.6	ICD10	n
45561950	Type 2 diabetes mellitus, with multiple complications	E11.7	ICD10	n
45561951	Type 2 diabetes mellitus, with unspecified complications	E11.8	ICD10	n
45561952	Type 2 diabetes mellitus, without complications	E11.9	ICD10	n
45534187	Diabetes mellitus in pregnancy: Pre-existing diabetes mellitus, non-insulin-dependent	O24.1	ICD10	n
1567956	Type 2 diabetes mellitus	E11	ICD10CM	n
1567957	Type 2 diabetes mellitus with hyperosmolarity	E11.0	ICD10CM	n
45542738	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	E11.00	ICD10CM	n
45586139	Type 2 diabetes mellitus with hyperosmolarity with coma	E11.01	ICD10CM	n
1567958	Type 2 diabetes mellitus with kidney complications	E11.2	ICD10CM	n
45591027	Type 2 diabetes mellitus with diabetic nephropathy	E11.21	ICD10CM	n
45595797	Type 2 diabetes mellitus with diabetic chronic kidney disease	E11.22	ICD10CM	n

45605401	Type 2 diabetes mellitus with other diabetic kidney complication	E11.29	ICD10CM	n
1567959	Type 2 diabetes mellitus with ophthalmic complications	E11.3	ICD10CM	n
1567960	Type 2 diabetes mellitus with unspecified diabetic retinopathy	E11.31	ICD10CM	n
45581352	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	E11.311	ICD10CM	n
45581353	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	E11.319	ICD10CM	n
1567961	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy	E11.32	ICD10CM	n
45552385	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema	E11.321	ICD10CM	n
	..... right eye	E11.3211	ICD10CM	n
	..... left eye	E11.3212	ICD10CM	n
	..... bilateral	E11.3213	ICD10CM	n
	..... unspecified eye	E11.3219	ICD10CM	n
45581354	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema	E11.329	ICD10CM	n
	..... right eye	E11.3291	ICD10CM	n
	..... left eye	E11.3292	ICD10CM	n
	..... bilateral	E11.3293	ICD10CM	n
	..... unspecified eye	E11.3299	ICD10CM	n
1567962	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy	E11.33	ICD10CM	n
45537961	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema	E11.331	ICD10CM	n

	..... right eye	E11.3311	ICD10CM	n
	..... left eye	E11.3312	ICD10CM	n
	..... bilateral	E11.3313	ICD10CM	n
	..... unspecified eye	E11.3319	ICD10CM	n
45591029	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema	E11.339	ICD10CM	n
	..... right eye	E11.3391	ICD10CM	n
	..... left eye	E11.3392	ICD10CM	n
	..... bilateral	E11.3393	ICD10CM	n
	..... unspecified eye	E11.3399	ICD10CM	n
1567963	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy	E11.34	ICD10CM	n
45557112	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema	E11.341	ICD10CM	n
	..... right eye	E11.3411	ICD10CM	n
	..... left eye	E11.3412	ICD10CM	n
	..... bilateral	E11.3413	ICD10CM	n
	..... unspecified eye	E11.3419	ICD10CM	n
45605402	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema	E11.349	ICD10CM	n
	..... right eye	E11.3491	ICD10CM	n
	..... left eye	E11.3492	ICD10CM	n
	..... bilateral	E11.3493	ICD10CM	n
	..... unspecified eye	E11.3499	ICD10CM	n
1567964	Type 2 diabetes mellitus with proliferative diabetic retinopathy	E11.35	ICD10CM	n
45591030	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema	E11.351	ICD10CM	n
	..... right eye	E11.3511	ICD10CM	n
	..... left eye	E11.3512	ICD10CM	n
	..... bilateral	E11.3513	ICD10CM	n

	..... unspecified eye	E11.3519	ICD10CM	n
	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula	E11.352	ICD10CM	n
	..... right eye	E11.3521	ICD10CM	n
	..... left eye	E11.3522	ICD10CM	n
	..... bilateral	E11.3523	ICD10CM	n
	..... unspecified eye	E11.3529	ICD10CM	n
	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula	E11.353	ICD10CM	n
	..... right eye	E11.3531	ICD10CM	n
	..... left eye	E11.3532	ICD10CM	n
	..... bilateral	E11.3533	ICD10CM	n
	..... unspecified eye	E11.3539	ICD10CM	n
	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment	E11.354	ICD10CM	n
	..... right eye	E11.3541	ICD10CM	n
	..... left eye	E11.3542	ICD10CM	n
	..... bilateral	E11.3543	ICD10CM	n
	..... unspecified eye	E11.3549	ICD10CM	n
	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy	E11.355	ICD10CM	n
	..... right eye	E11.3551	ICD10CM	n
	..... left eye	E11.3552	ICD10CM	n
	..... bilateral	E11.3553	ICD10CM	n
	..... unspecified eye	E11.3559	ICD10CM	n
45552386	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema	E11.359	ICD10CM	n
	..... right eye	E11.3591	ICD10CM	n
	..... left eye	E11.3592	ICD10CM	n
	..... bilateral	E11.3593	ICD10CM	n
	..... unspecified eye	E11.3599	ICD10CM	n

45595798	Type 2 diabetes mellitus with diabetic cataract	E11.36	ICD10CM	n
	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment	E11.37	ICD10CM	n
	..... right eye	E11.37X1	ICD10CM	n
	..... left eye	E11.37X2	ICD10CM	n
	..... bilateral	E11.37X3	ICD10CM	n
	..... unspecified eye	E11.37X9	ICD10CM	n
45533019	Type 2 diabetes mellitus with other diabetic ophthalmic complication	E11.39	ICD10CM	n
1567965	Type 2 diabetes mellitus with neurological complications	E11.4	ICD10CM	n
45605403	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	E11.40	ICD10CM	n
45547625	Type 2 diabetes mellitus with diabetic mononeuropathy	E11.41	ICD10CM	n
45557113	Type 2 diabetes mellitus with diabetic polyneuropathy	E11.42	ICD10CM	n
45537962	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	E11.43	ICD10CM	n
45533020	Type 2 diabetes mellitus with diabetic amyotrophy	E11.44	ICD10CM	n
45605404	Type 2 diabetes mellitus with other diabetic neurological complication	E11.49	ICD10CM	n
1567966	Type 2 diabetes mellitus with circulatory complications	E11.5	ICD10CM	n
45533021	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	E11.51	ICD10CM	n
45533022	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	E11.52	ICD10CM	n

45576443	Type 2 diabetes mellitus with other circulatory complications	E11.59	ICD10CM	n
1567967	Type 2 diabetes mellitus with other specified complications	E11.6	ICD10CM	n
1567968	Type 2 diabetes mellitus with diabetic arthropathy	E11.61	ICD10CM	n
45600641	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	E11.610	ICD10CM	n
45586140	Type 2 diabetes mellitus with other diabetic arthropathy	E11.618	ICD10CM	n
1567969	Type 2 diabetes mellitus with skin complications	E11.62	ICD10CM	n
45547626	Type 2 diabetes mellitus with diabetic dermatitis	E11.620	ICD10CM	n
45581355	Type 2 diabetes mellitus with foot ulcer	E11.621	ICD10CM	n
45600642	Type 2 diabetes mellitus with other skin ulcer	E11.622	ICD10CM	n
45547627	Type 2 diabetes mellitus with other skin complications	E11.628	ICD10CM	n
1567970	Type 2 diabetes mellitus with oral complications	E11.63	ICD10CM	n
45533023	Type 2 diabetes mellitus with periodontal disease	E11.630	ICD10CM	n
45566731	Type 2 diabetes mellitus with other oral complications	E11.638	ICD10CM	n
1567971	Type 2 diabetes mellitus with hypoglycemia	E11.64	ICD10CM	n
45561949	Type 2 diabetes mellitus with hypoglycemia with coma	E11.641	ICD10CM	n
45591031	Type 2 diabetes mellitus with hypoglycemia without coma	E11.649	ICD10CM	n
45605405	Type 2 diabetes mellitus with hyperglycemia	E11.65	ICD10CM	n
45595799	Type 2 diabetes mellitus with other specified complication	E11.69	ICD10CM	n

35206881	Type 2 diabetes mellitus with unspecified complications	E11.8	ICD10CM	n
35206882	Type 2 diabetes mellitus without complications	E11.9	ICD10CM	n
1571686	Pre-existing diabetes mellitus, type 2, in pregnancy, childbirth and the puerperium	O24.1	ICD10CM	n
1571687	Pre-existing diabetes mellitus, type 2, in pregnancy	O24.11	ICD10CM	n
45587292	Pre-existing diabetes mellitus, type 2, in pregnancy, first trimester	O24.111	ICD10CM	n
45582457	Pre-existing diabetes mellitus, type 2, in pregnancy, second trimester	O24.112	ICD10CM	n
45567896	Pre-existing diabetes mellitus, type 2, in pregnancy, third trimester	O24.113	ICD10CM	n
45606547	Pre-existing diabetes mellitus, type 2, in pregnancy, unspecified trimester	O24.119	ICD10CM	n
45587293	Pre-existing diabetes mellitus, type 2, in childbirth	O24.12	ICD10CM	n
45582458	Pre-existing diabetes mellitus, type 2, in the puerperium	O24.13	ICD10CM	n
44836914	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	250.00	ICD9CM	n
44836915	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	250.02	ICD9CM	n
44836916	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	250.20	ICD9CM	n

44824073	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	250.22	ICD9CM	n
44826460	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	250.30	ICD9CM	n
44832193	Diabetes with other coma, type II or unspecified type, uncontrolled	250.32	ICD9CM	n
44831045	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	250.40	ICD9CM	n
44832194	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	250.42	ICD9CM	n
44819500	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	250.50	ICD9CM	n
44829879	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	250.52	ICD9CM	n
44828795	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	250.60	ICD9CM	n
44833366	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	250.62	ICD9CM	n
44827616	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	250.70	ICD9CM	n
44833367	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	250.72	ICD9CM	n

44831047	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	250.80	ICD9CM	n
44826461	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	250.82	ICD9CM	n
44827617	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	250.90	ICD9CM	n
44829882	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	250.92	ICD9CM	n
36712670	Ulcer of skin co-occurrent and due to type II diabetes mellitus	102621000119101	SNOMED	n
45757075	Retinal ischemia due to type 2 diabetes mellitus	104961000119108	SNOMED	n
46274058	Skin ulcer of toe due to diabetes mellitus type 2	10656271000119102	SNOMED	n
36712686	Ulcer of left foot co-occurrent and due to diabetes mellitus type 2	10660471000119109	SNOMED	n
36712687	Ulcer of right foot co-occurrent and due to diabetes mellitus type 2	10661671000119102	SNOMED	n
45757255	Neuropathic ulcer of midfoot AND/OR heel due to type 2 diabetes mellitus	108781000119105	SNOMED	n
45757277	Ulcer of lower extremity due to type 2 diabetes mellitus	110171000119107	SNOMED	n
45757278	Peripheral sensory neuropathy due to type 2 diabetes mellitus	110181000119105	SNOMED	n
45757280	Dyslipidemia with high density lipoprotein below reference range and triglyceride above reference range due to type 2 diabetes mellitus	111231000119109	SNOMED	n

45772060	Hypoglycemia unawareness in type 2 diabetes mellitus	119831000119106	SNOMED	n
45757363	Hypoglycemia due to type 2 diabetes mellitus	120731000119103	SNOMED	n
45757392	Hypertension concurrent and due to end stage renal disease on dialysis due to type 2 diabetes mellitus	127991000119101	SNOMED	n
37016163	Complication due to diabetes mellitus type 2	12811000119100	SNOMED	n
45770880	Hyperlipidemia due to type 2 diabetes mellitus	137931000119102	SNOMED	n
45757435	Mild nonproliferative retinopathy due to type 2 diabetes mellitus	138911000119106	SNOMED	n
45770881	Moderate nonproliferative retinopathy due to type 2 diabetes mellitus	138921000119104	SNOMED	n
45757444	Hypertension in chronic kidney disease stage 5 due to type 2 diabetes mellitus	140101000119109	SNOMED	n
45757445	Hypertension in chronic kidney disease stage 4 due to type 2 diabetes mellitus	140111000119107	SNOMED	n
45757446	Hypertension in chronic kidney disease stage 3 due to type 2 diabetes mellitus	140121000119100	SNOMED	n
45757447	Hypertension in chronic kidney disease stage 2 due to type 2 diabetes mellitus	140131000119102	SNOMED	n
45770883	Neuropathic toe ulcer due to type 2 diabetes mellitus	140381000119104	SNOMED	n
45757449	Ulcer of toe due to type 2 diabetes mellitus	140391000119101	SNOMED	n
45771072	Ischemic foot ulcer due to type 2 diabetes mellitus	140521000119107	SNOMED	n
45757450	Neuropathic foot ulcer due to type 2 diabetes mellitus	140531000119105	SNOMED	n
45757474	Diabetes mellitus type 2 without retinopathy	1481000119100	SNOMED	n
43531608	Diabetic vitreous hemorrhage associated with type 2 diabetes mellitus	1491000119102	SNOMED	n

43530685	Proliferative diabetic retinopathy due to type 2 diabetes mellitus	1501000119109	SNOMED	n
43530689	Diabetic peripheral neuropathy associated with type 2 diabetes mellitus	1511000119107	SNOMED	n
43530690	Foot ulcer due to type 2 diabetes mellitus	1521000119100	SNOMED	n
43531616	Diabetic dermopathy associated with diabetes mellitus type 2	1531000119102	SNOMED	n
43530656	Nonproliferative diabetic retinopathy due to type 2 diabetes mellitus	1551000119108	SNOMED	n
45757499	Proteinuria due to type 2 diabetes mellitus	157141000119108	SNOMED	n
201530	Type 2 diabetes mellitus with hyperosmolar coma	190331003	SNOMED	n
4099216	Type 2 diabetes mellitus with multiple complications	190388001	SNOMED	n
4099651	Type 2 diabetes mellitus with ulcer	190389009	SNOMED	n
4099217	Type 2 diabetes mellitus with gangrene	190390000	SNOMED	n
4063043	Pre-existing type 2 diabetes mellitus	199230006	SNOMED	n
43531597	Disorder associated with well controlled type 2 diabetes mellitus	201000119106	SNOMED	n
4130162	Insulin treated type 2 diabetes mellitus	237599002	SNOMED	n
4129519	Pregnancy and type 2 diabetes mellitus	237627000	SNOMED	n
45770928	Retinal edema due to type 2 diabetes mellitus	28331000119107	SNOMED	n
4193704	Type 2 diabetes mellitus without complication	313436004	SNOMED	n
4200875	Type 2 diabetes mellitus with peripheral angiopathy	314902007	SNOMED	n
4196141	Type 2 diabetes mellitus with arthropathy	314903002	SNOMED	n
4198296	Type 2 diabetes mellitus with neuropathic arthropathy	314904008	SNOMED	n

4230254	Type 2 diabetes mellitus in nonobese	359642000	SNOMED	n
37016349	Hyperglycemia due to type 2 diabetes mellitus	368051000119109	SNOMED	n
37016354	Neuropathy due to type 2 diabetes mellitus	368581000119106	SNOMED	n
37018912	Cheiropathy due to type 2 diabetes mellitus	368591000119109	SNOMED	n
45772019	Glaucoma due to type 2 diabetes mellitus	41911000119107	SNOMED	n
443731	Renal disorder due to type 2 diabetes mellitus	420279001	SNOMED	n
4222415	Mononeuropathy associated with type 2 diabetes mellitus	420436000	SNOMED	n
4221495	Diabetic cataract associated with type 2 diabetes mellitus	420756003	SNOMED	n
376065	Neurologic disorder associated with type 2 diabetes mellitus	421326000	SNOMED	n
4223463	Exudative maculopathy associated with type 2 diabetes mellitus	421779007	SNOMED	n
443732	Disorder due to type 2 diabetes mellitus	422014003	SNOMED	n
4226121	Diabetic retinopathy associated with type 2 diabetes mellitus	422034002	SNOMED	n
443733	Diabetic oculopathy associated with type 2 diabetes mellitus	422099009	SNOMED	n
443729	Peripheral circulatory disorder associated with type 2 diabetes mellitus	422166005	SNOMED	n
4140466	Amyotrophy due to type 2 diabetes mellitus	427027005	SNOMED	n
4142579	Small vessel disease due to type 2 diabetes mellitus	427134009	SNOMED	n
4177050	Erectile dysfunction associated with type 2 diabetes mellitus	428007007	SNOMED	n
201826	Type 2 diabetes mellitus	44054006	SNOMED	n
40482801	Type II diabetes mellitus uncontrolled	443694000	SNOMED	n

45763582	Blindness due to type 2 diabetes mellitus	60951000119105	SNOMED	n
43531010	Pre-existing type 2 diabetes mellitus in pregnancy	609567009	SNOMED	n
43531651	Mixed hyperlipidemia due to type 2 diabetes mellitus	701000119103	SNOMED	n
45766052	Type II diabetes mellitus in remission	703138006	SNOMED	n
43531562	Chronic kidney disease stage 5 due to type 2 diabetes mellitus	711000119100	SNOMED	n
37016768	Diabetic autonomic neuropathy due to type 2 diabetes mellitus	712883005	SNOMED	n
37018728	Gastroparesis due to type 2 diabetes mellitus	713703005	SNOMED	n
37017432	Polyneuropathy due to type 2 diabetes mellitus	713706002	SNOMED	n
45771064	Hypertension in chronic kidney disease due to type 2 diabetes mellitus	71421000119105	SNOMED	n
45769828	Nephrotic syndrome due to type 2 diabetes mellitus	71441000119104	SNOMED	n
36714116	Hypoglycaemic coma co-occurrent and due to diabetes mellitus type II	719216001	SNOMED	n
45769835	Severe malnutrition due to type 2 diabetes mellitus	72051000119101	SNOMED	n
45769836	Osteomyelitis due to type 2 diabetes mellitus	72061000119104	SNOMED	n
43531577	Chronic kidney disease stage 4 due to type 2 diabetes mellitus	721000119107	SNOMED	n
43531653	Chronic kidney disease stage 3 due to type 2 diabetes mellitus	731000119105	SNOMED	n
43531566	Chronic kidney disease stage 2 due to type 2 diabetes mellitus	741000119101	SNOMED	n
43531559	Chronic kidney disease stage 1 due to type 2 diabetes mellitus	751000119104	SNOMED	n
43531564	Diabetic dyslipidemia associated with type 2 diabetes mellitus	761000119102	SNOMED	n

43531578	Chronic kidney disease due to type 2 diabetes mellitus	771000119108	SNOMED	n
43531588	Angina associated with type 2 diabetes mellitus	791000119109	SNOMED	n
4304377	Type 2 diabetes mellitus in obese	81531005	SNOMED	n
45773064	Traction retinal detachment due to type 2 diabetes mellitus	82541000119100	SNOMED	n
45769872	Rubeosis iridis due to type 2 diabetes mellitus	82551000119103	SNOMED	n
45769875	Insulin reactive hypoglycemia in type 2 diabetes mellitus	84361000119102	SNOMED	n
45769888	Ankle ulcer due to type 2 diabetes mellitus	87441000119104	SNOMED	n
45769889	Heel AND/OR midfoot ulcer due to type 2 diabetes mellitus	87451000119102	SNOMED	n
45769890	Forefoot ulcer due to type 2 diabetes mellitus	87461000119100	SNOMED	n
45769894	Cranial nerve palsy due to type 2 diabetes mellitus	87921000119104	SNOMED	n
45769905	Microalbuminuria due to type 2 diabetes mellitus	90781000119102	SNOMED	n
45769906	End stage renal disease on dialysis due to type 2 diabetes mellitus	90791000119104	SNOMED	n
45770830	Macular edema and retinopathy due to type 2 diabetes mellitus	97331000119101	SNOMED	n
45770831	Proliferative retinopathy with retinal edema due to type 2 diabetes mellitus	97341000119105	SNOMED	n
45770832	Stasis ulcer due to type 2 diabetes mellitus	97621000119107	SNOMED	n
4321756	Type 2 diabetes mellitus with acanthosis nigricans	9859006	SNOMED	n

Type 2 Diabetes: Knowledge Engineered SNOMED Mimic				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
201530	Type 2 diabetes mellitus with hyperosmolar coma	190331003	SNOMED	n
443731	Renal disorder due to type 2 diabetes mellitus	420279001	SNOMED	n
376065	Neurologic disorder associated with type 2 diabetes mellitus	421326000	SNOMED	n
443732	Disorder due to type 2 diabetes mellitus	422014003	SNOMED	n
443733	Diabetic oculopathy associated with type 2 diabetes mellitus	422099009	SNOMED	n
443729	Peripheral circulatory disorder associated with type 2 diabetes mellitus	422166005	SNOMED	n
201826	Type 2 diabetes mellitus	44054006	SNOMED	n
40482801	Type II diabetes mellitus uncontrolled	443694000	SNOMED	n
443767	Diabetic oculopathy	25093002	SNOMED	n

Type 2 Diabetes: Knowledge Engineered SNOMED Optimize				
concept_id	concept_name	concept_code	vocabulary_id	include_desc
36712670	Ulcer of skin co-occurrent and due to type II diabetes mellitus	102621000119101	SNOMED	y
45757277	Ulcer of lower extremity due to type 2 diabetes mellitus	110171000119107	SNOMED	y
45757363	Hypoglycemia due to type 2 diabetes mellitus	120731000119103	SNOMED	y
37016163	Complication due to diabetes mellitus type 2	12811000119100	SNOMED	y
45770880	Hyperlipidemia due to type 2 diabetes mellitus	137931000119102	SNOMED	y
45757449	Ulcer of toe due to type 2 diabetes mellitus	140391000119101	SNOMED	y
43531608	Diabetic vitreous hemorrhage associated with type 2 diabetes mellitus	1491000119102	SNOMED	y
43530689	Diabetic peripheral neuropathy associated with type 2 diabetes mellitus	1511000119107	SNOMED	y
43531616	Diabetic dermopathy associated with diabetes mellitus type 2	1531000119102	SNOMED	y
4099216	Type 2 diabetes mellitus with multiple complications	190388001	SNOMED	y
43531597	Disorder associated with well controlled type 2 diabetes mellitus	201000119106	SNOMED	y
443767	Diabetic oculopathy	25093002	SNOMED	n
37016349	Hyperglycemia due to type 2 diabetes mellitus	368051000119109	SNOMED	y
37016354	Neuropathy due to type 2 diabetes mellitus	368581000119106	SNOMED	y
37018912	Cheirography due to type 2 diabetes mellitus	368591000119109	SNOMED	y
443731	Renal disorder due to type 2 diabetes mellitus	420279001	SNOMED	y
4222415	Mononeuropathy associated with type 2 diabetes mellitus	420436000	SNOMED	y
376065	Neurologic disorder associated with type 2 diabetes mellitus	421326000	SNOMED	n
443732	Disorder due to type 2 diabetes mellitus	422014003	SNOMED	n

4226121	Diabetic retinopathy associated with type 2 diabetes mellitus	422034002	SNOMED	y
443733	Diabetic oculopathy associated with type 2 diabetes mellitus	422099009	SNOMED	y
443729	Peripheral circulatory disorder associated with type 2 diabetes mellitus	422166005	SNOMED	y
4142579	Small vessel disease due to type 2 diabetes mellitus	427134009	SNOMED	y
4177050	Erectile dysfunction associated with type 2 diabetes mellitus	428007007	SNOMED	y
201826	Type 2 diabetes mellitus	44054006	SNOMED	y
40482801	Type II diabetes mellitus uncontrolled	443694000	SNOMED	y
45763582	Blindness due to type 2 diabetes mellitus	60951000119105	SNOMED	y
43531651	Mixed hyperlipidemia due to type 2 diabetes mellitus	701000119103	SNOMED	y
37018728	Gastroparesis due to type 2 diabetes mellitus	713703005	SNOMED	y
45769835	Severe malnutrition due to type 2 diabetes mellitus	72051000119101	SNOMED	y
45769836	Osteomyelitis due to type 2 diabetes mellitus	72061000119104	SNOMED	y
43531564	Diabetic dyslipidemia associated with type 2 diabetes mellitus	761000119102	SNOMED	y
43531578	Chronic kidney disease due to type 2 diabetes mellitus	771000119108	SNOMED	y
43531588	Angina associated with type 2 diabetes mellitus	791000119109	SNOMED	y
45769906	End stage renal disease on dialysis due to type 2 diabetes mellitus	90791000119104	SNOMED	y