

Appendix_B_Comparison of mappings – Appendix_B_Comparison of mappings

UMLS TERM ID	UMLS term	My HP Mapping	My HP Mapping	HP Mapping Te	HPO HP term I	Same mapping	Agree with HPO	Disagree with H	Why HPO Mapp	HPO no mappin	MEASURE	COUNTS
C0000832	abruptio placent	hp:0011419	Placental abruption			FALSE				x	Number automatic NO mappings:	205
C0001125	lactic acidosis	hp:0003128	lactic acidosis	Lactic Acidemia	HP:0003128	TRUE	x				Number same mappings	103
C0001125	lactic acidosis	hp:0003128	lactic acidosis	Lactic Acidosis,	HP:0004925	FALSE		x	too specific		Number of automatic correct	100
C0001125	lactic acidosis	hp:0003128	lactic acidosis	Lactic Acidosis,	HP:0004900	FALSE		x	too specific		Number of automatic incorrect	200
C0001125	lactic acidosis	hp:0003128	lactic acidosis	Congenital Lacti	HP:0004902	FALSE		x	too specific		Number automatic mappings	300
C0001125	lactic acidosis	hp:0003128	lactic acidosis	Lactic Acidosis	HP:0004897	FALSE		x	too specific		Rows in spreadsheet	505
C0001125	lactic acidosis	hp:0003128	lactic acidosis	Persistent Lacti	HP:0004898	FALSE		x	too specific			
C0001125	lactic acidosis	hp:0003128	lactic acidosis	Lactic Acidosis,	HP:0005960	FALSE		x	too specific		*Verification* blank rows	205
C0001144	acne vulgaris	HP:0001061	acne	Acne	HP:0001061	TRUE	x					
C0001144	acne vulgaris	HP:0001061	acne	Moderate To Se	HP:0005596	FALSE		x	too specific			
C0001339	acute pancreatit	HP: 0001735	acute pancreatitis			FALSE				x		
C0001818	agoraphobia	HP:0000756	Agoraphobia	Agoraphobia	HP:0000756	TRUE	x					
C0001883	airway obstructi	hp:0002781	Upper airway obstruction			FALSE				x		
C0002888	megaloblastic a	hp:0001889	megaloblastic a	Megaloblastic A	HP:0001889	TRUE	x					
C0002888	megaloblastic a	hp:0001889	megaloblastic a	Megaloblastic A	HP:0004826	FALSE		x	too specific			
C0002888	megaloblastic a	hp:0001889	megaloblastic a	Megaloblastic A	HP:0004858	FALSE		x	too specific			
C0002888	megaloblastic a	hp:0001889	megaloblastic a	Megaloblastic A	HP:0004860	FALSE		x	too specific			
C0002888	megaloblastic a	hp:0001889	megaloblastic a	Folate-responsi	HP:0004851	FALSE		x	too specific			
C0002888	megaloblastic a	hp:0001889	megaloblastic a	Folate-responsi	HP:0004851	FALSE		x	too specific			
C0003123	anorexia	hp:0002039	anorexia	Anorexia	HP:0002039	TRUE	x					
C0003125	anorexia nervos	hp:0002039	Anorexia			FALSE				x		
C0003460	anuria	hp:0100519	Anuria			FALSE				x		
C0003492	coarctation of th	hp:0001680	Coarctation of a	Coarctation Of	HP:0001680	TRUE	x					
C0003492	coarctation of th	hp:0001680	Coarctation of a	Coarctation Of	HP:0004974	FALSE		x	too specific		http://sideeffects.embl.de/se/C0005779/	
C0003838	occlusive arteria	hp:0005315	occlusive arterial disease			FALSE				x		
C0003868	gouty arthritis	HP:0001997	gout	Gouty Arthritis	HP:0001368	FALSE	x					
C0003969	vitamin C defici	hp:0100510	Vitamin C deficiency			FALSE				x		
C0004030	aspergillosis	hp:0002724	Recurrent Aspergillus infections			FALSE				x		
C0004144	atelectasis	hp:0100750	Atelectasis			FALSE				x		
C0004239	atrial flutter	hp:0004749	atrial flutter			FALSE				x		
C0004269	add	HP:0007018	Attention deficit disorder			FALSE				x		
C0004604	back pain	hp:0003418	back pain	Back Pain	HP:0003418	TRUE	x					
C0004936	psychiatric disor	HP:0000708	behavioural/Psy	Psychiatric Diso	HP:0002368	FALSE	x					
C0005741	blepharitis	HP: 0000498	blepharitis	Blepharitis	HP:0000498	FALSE	x					
C0005779	coagulopathies	HP:0003256	Coagulopathy	Coagulopathy	HP:0001925	FALSE	x					
C0005779	coagulopathies	HP:0003256	Coagulopathy	Abnormality Of	HP:0001928	FALSE		x	too general - an abnormality			
C0006145	breast disease	hp:0000769	Abnormality of the breast			FALSE				x		
C0006271	bronchiolitis	hp:0011950	bronchiolitis			FALSE				x		
C0006272	bronchiolitis obli	hp:0011946	bronchiolitis obliterans			FALSE				x		
C0006277	bronchitis	HP:0002837	bronchitis	Bronchitis	HP:0002837	TRUE	x					
C0006370	bulimia	hp:0100739	bulimia			FALSE				x		

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C0006840	candidiasis	HP:0005401	Recurrent candi	Chronic Monilial	HP:0008396	FALSE		x	too specific		
C0006845	chronic mucocu	hp:0002728	Chronic mucocu	Chronic Mucocu	HP:0002728	TRUE	x				
C0006846	cutaneous cand	hp:0002728	Chronic mucocutaneous candidiasis			FALSE			x		
C0007114	Skin cancer	hp:0008069	skin neoplasm			FALSE			x		
C0007134	renal cell carcin	hp:0005584	renal cell carcin	Renal Cell Carci	HP:0005584	TRUE	x				
C0007134	renal cell carcin	hp:0005584	renal cell carcin	Renal Cell Carci	HP:0006732	FALSE		x	too specific		
C0007134	renal cell carcin	hp:0005584	renal cell carcin	Sporadic, Nonp	HP:0006770	FALSE		x	too specific		
C0007134	renal cell carcin	hp:0005584	renal cell carcin	Multiple Papillar	HP:0006776	FALSE		x	multiple		
C0007134	renal cell carcin	hp:0005584	renal cell carcin	Renal Pelvic Ca	HP:0006762	FALSE		x			
C0007134	renal cell carcin	hp:0005584	renal cell carcin	Papillary Renal	HP:0006766	FALSE		x			
C0007194	hypertrophic car	hp:0001639	hypertrophic car	Hypertrophic Ca	HP:0001639	TRUE	x				
C0007273	carotid artery di	hp:0100546	Carotid stenosis			FALSE			x		
C0007570	nontropical spru	hp:0002608	celiac disease	Celiac Disease	HP:0002608	TRUE	x			http://sideeffects.embl.de/se/C0007570/	
C0007570	nontropical spru	hp:0002608	celiac disease	Arteriovenous F	HP:0002642	FALSE		x	unrelated (vain abnormality)		
C0007570	nontropical spru	hp:0002608	celiac disease	Venous Varicosi	HP:0002626	FALSE		x	unrelated (vain abnormality)		
C0007570	nontropical spru	hp:0002608	celiac disease	Arterial Aneurys	HP:0002636	FALSE		x	unrelated (vain abnormality)		
C0007684	Central Nervous	hp:0011450	CNS infection			FALSE			x		
C0007785	cerebral infarcti	hp:0001297	stroke	Cerebral Ische	HP:0002637	FALSE		x	not equivalent	http://sideeffects.embl.de/se/C0007785/	
C0007820	cerebrovascular	hp:0001297	stroke			FALSE			x		
C0008031	chest pain	HP:0100749	Chest pain			FALSE			x		
C0008312	primary biliary ci	HP:0002613	biliary cirrhosis			FALSE			x		
C0008325	cholecystitis	hp:0001082	cholecystitis	Cholecystitis	HP:0001082	TRUE	x				
C0008350	gallstones	hp:0001081	Cholelithiasis	Cholelithiasis	HP:0001081	TRUE	x			http://sideeffects.embl.de/se/C0008350/	
C0008733	chylothorax	hp:0010310	Chylothorax	Chylothorax	HP:0010310	TRUE	x				
C0008925	cleft palate	hp:0000175	Cleft palate	Cleft Palate	HP:0000175	TRUE	x				
C0008925	cleft palate	hp:0000175	Cleft palate	Cleft Lip/palate	HP:0000202	FALSE		x	too general (added lip)		
C0008925	cleft palate	hp:0000175	Cleft palate	Bilateral Cleft Li	HP:0002744	FALSE		x	too specific (bilat)		
C0009088	cluster headach	hp:0002315				FALSE			x		
C0009324	ulcerative colitis	HP:0100279	Ulcerative colitis			FALSE			x	http://sideeffects.embl.de/se/C0009324/	
C0009402	colorectal carcin	hp:0006716	Hereditary nonp	Increased Risk	HP:0006718	FALSE		x	too general		
C0009402	colorectal carcin	hp:0006716	Hereditary nonp	Hereditary Non	HP:0006716	TRUE		x	too specific		
C0009676	confusion	hp:0001289	confusion	Confusion	HP:0001289	TRUE	x				
C0009676	confusion	hp:0001289	confusion	Reduced Consc	HP:0004372	FALSE		x	too specific (quantity)		
C0009676	confusion	hp:0001289	confusion	Dyschromatopsi	HP:0007960	FALSE		x	too specific (type)		
C0011071	sudden death	HP:0001699	sudden death			FALSE			x		
C0011351	Enamel hypopla	hp:0006297	Hypoplasia of d	Hypoplastic De	HP:0006297	TRUE	x			http://sideeffects.embl.de/se/C0011351/	
C0011644	scleroderma	hp:0100324	scleroderma			FALSE			x		
C0011849	diabetes mellitu	HP:0000819	diabetes mellitu	Diabetes Mellitu	HP:0000819	TRUE	x				
C0011849	diabetes mellitu	HP:0000819	diabetes mellitu	Mild Diabetes M	HP:0004908	FALSE		x	too specific (qualitative)		
C0011849	diabetes mellitu	HP:0000819	diabetes mellitu	Noninsulin-depe	HP:0005978	FALSE		x	too specific (subtype) - synonym in HP but not in SIDER		
C0011849	diabetes mellitu	HP:0000819	diabetes mellitu	Acanthosis Nigri	HP:0007591	FALSE		x	unrelated (dermatosis)		
C0011854	insulin depende	HP:0100651	Type I diabetes	Diabetes Mellitu	HP:0000819	FALSE		x	too general (not subtype)	http://sideeffects.embl.de/se/C0011854/	

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C0011854	insulin depende	HP:0100651	Type I diabetes	Neonatal Insulin	HP:0000857	FALSE		x	too specific (neonatal)		
C0011854	insulin depende	HP:0100651	Type I diabetes	Insulin-depende	HP:0004904	FALSE		x	too general (mix of subtypes I & II)		
C0011860	type 2 diabetes	HP:0005978	type of diabetes	Insulin-depende	HP:0004904	FALSE		x	too general (mix of subtypes I & II)		
C0011860	type 2 diabetes	HP:0005978	type of diabetes	Noninsulin-depe	HP:0005978	TRUE	x			http://sideeffects.embl.de/se/C0011860/	
C0011860	type 2 diabetes	HP:0005978	type of diabetes	Acanthosis Nigri	HP:0007591	FALSE		x	unrelated (dermatosis)		
C0011860	type 2 diabetes	HP:0005978	type of diabetes	Insulin-depende	HP:0008205	FALSE		x	unrelated (diff ty		
C0012833	dizziness	HP:0002321	Vertigo			FALSE			x		
C0013384	dyskinesias	HP:0100660	Dyskinesia			FALSE			x		
C0013390	dysmenorrhea	HP:0100607	Dysmenorrhea			FALSE			x		
C0013537	eclampsia	hp:0100601	eclampsia			FALSE			x		
C0014121	bacterial endoc	hp:0006689	bacterial endoc	Bacterial Endoc	HP:0006689	TRUE		x	too general (susceptibility)		
C0014583	episcleritis	hp:0100534	Episcleritis			FALSE			x		
C0014591	epistaxis	hp:0000421	Epistaxis	Epistaxis	HP:0000421	TRUE	x				
C0014742	Erythema multif	HP:0010783	erythema			FALSE			x		
C0014869	reflux esophagit	hp:0002020	Gastroesophageal reflux			FALSE			x		
C0015300	proptosis	hp:0000520	Proptosis [hp:00	Proptosis	HP:0000520	TRUE	x				
C0015300	proptosis	hp:0000520	Proptosis [hp:00	Exophthalmos	HP:0000645	FALSE	x			http://sideeffects.embl.de/se/C0015300/	
C0015371	extrapyramidal	hp:0007153	Progressive extr	Extrapyramidal	HP:0002071	FALSE	x				
C0015944	Premature ruptu	hp:0001788	Premature rupture of membranes			FALSE			x		
C0016034	fibrocystic breas	hp:0010619	Fibroma of the	Fibrocystic Lun	HP:0006552	FALSE		x	unrelated (breast vs lung)		
C0018418	gynecomastia	hp:0000771	gynecomastia	Gynecomastia	HP:0000771	TRUE	x				
C0018621	seasonal allergi	HP:0003193	Allergic rhinitis			FALSE			x		
C0018824	valvular heart di	hp:0001654	Abnormality of t	Abnormality Of	HP:0001654	TRUE		x	too general (abnormality)		
C0018824	valvular heart di	hp:0001654	Abnormality of t	Early Progressi	HP:0006694	FALSE		x	too specific (Early Progressive Calcific)		
C0018944	Hematomas	hp:0007420	Spontaneous hematomas			FALSE			x		
C0019048	Hemoglobinuria	hp:0003641	Hemoglobinuria	Hemoglobinuria	HP:0003641	TRUE	x				
C0019080	bleeding	HP:0001892	Abnormal bleed	Bleeding Diathe	HP:0001892	TRUE		x	too specific (diathesis = hereditary	http://sideeffects.embl.de/se/C0019080/	
C0019080	bleeding	HP:0001892	Abnormal bleed	Persistent Blee	HP:0001934	FALSE		x	too specific (pesistant after trauma)		
C0019080	bleeding	HP:0001892	Abnormal bleed	Subcutaneous	HP:0001933	FALSE		x	too specific (subcutaneous)		
C0019080	bleeding	HP:0001892	Abnormal bleed	Severe Protract	HP:0004846	FALSE		x	too specific		
C0019080	bleeding	HP:0001892	Abnormal bleed	Joint Hemorrha	HP:0005261	FALSE		x	too specific (joint)		
C0019080	bleeding	HP:0001892	Abnormal bleed	Recurrent Intrap	HP:0006535	FALSE		x	too specific (recurrent intrapulmonary)		
C0019080	bleeding	HP:0001892	Abnormal bleed	Prolonged Blee	HP:0006298	FALSE		x	too specific (prolongued dental extraction)		
C0019080	bleeding	HP:0001892	Abnormal bleed	Frequent Bleedi	HP:0007463	FALSE		x	too specific (frequent with trauma)		
C0019243	HAE	hp:0100665	Angioedema			FALSE			x		
C0019340	herpes	HP:0005353	Susceptibility to	Herpetiform Cor	HP:0007812	FALSE		x	unrelated (corneal ulcers)		
C0019342	genital herpes	HP:0005353				FALSE			x		
C0019521	hiccups	HP:0100247	Recurrent singultus			FALSE			x		
C0019693	HIV infection	HP:0002721	Immunodeficiency			FALSE			x		
C0019880	Homocystinuria	hp:0002156	Homocystinuria	Homocystinuria	HP:0002156	TRUE	x				
C0020433	hyperbilirubine	hp:0002904	Hyperbilirubine	Hyperbilirubine	HP:0002904	TRUE	x				

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C0020433	hyperbilirubine	hp:0002904	Hyperbilirubine	Neonatal Hyper	HP:0003265	FALSE		x	too specific (neonatal)	
C0020440	hypercarbia	hp:0012416	hypercarbia			FALSE			x	
C0020474	familial combine	hp:0008356	combined hyper	Hyperapobetali	HP:0008158	FALSE		x	too general (notmiced or familial)	http://sideeffects.embl.de/se/C0020474/
C0020479	dysbetalipoprot	HP:0003362	Increased circulating very-low-density lipoprotein c			FALSE			x	
C0020545	renovascular hy	hp:0100817	Renovascular hypertension			FALSE			x	
C0020581	hyphaema	hp:0011886	Hyphema			FALSE			x	
C0020651	postural hypote	hp:0001278	postural hypote	Orthostatic Hyp	HP:0001278	TRUE	x			http://sideeffects.embl.de/se/C0020651/
C0020651	postural hypote	hp:0001278	postural hypote	Orthostatic Hyp	HP:0004926	FALSE		x	too specific (Due To Autonomic Dysfunction)	
C0020651	postural hypote	hp:0001278	postural hypote	Orthostatic Hyp	HP:0004932	FALSE		x	too specific (Severe, Recurrent)	
C0020651	postural hypote	hp:0001278	postural hypote	Postural Hypote	HP:0005307	FALSE		x	too specific (With Compensatory Tachycardia)	
C0020672	hypothermia	hp:0002045	Hypothermia	Hypothermia	HP:0002045	TRUE	x			
C0020672	hypothermia	hp:0002045	Hypothermia	Hypothermia, E	HP:0005970	FALSE		x	too specific (in enfants)	
C0020757	ichthyosis	HP:0007503	Generalized icht	Ichthyosis	HP:0000955	FALSE	x			
C0020757	ichthyosis	HP:0007503	Generalized icht	Ichthyosis, Con	HP:0007619	FALSE		x	too specific (Congenital, Nonblistering)	
C0020757	ichthyosis	HP:0007503	Generalized icht	Hypertrophic Ic	HP:0007547	FALSE		x	too specific (Hypertrophic +)	
C0020757	ichthyosis	HP:0007503	Generalized icht	Generalized Ich	HP:0007503	TRUE	x			
C0020757	ichthyosis	HP:0007503	Generalized icht	Ichthyosis, Con	HP:0007478	FALSE		x	too specific (congenital)	
C0020757	ichthyosis	HP:0007503	Generalized icht	Postnatal-onset	HP:0007395	FALSE		x	too specific (Postnatal-onset)	
C0021308	infarction	HP:0001658	Myocardial infar	Gastrointestinal	HP:0005244	FALSE		x	too specific (gastro)	
C0021308	infarction	HP:0001658	Myocardial infar	Recurrent Subc	HP:0007236	FALSE		x	too specific (Recurrent Subcortical)	
C0022353	neonatal jaundi	hp:0006579	Prolonged neon	Neonatal Jaundi	HP:0000986	FALSE	x			
C0022575	keratoconjunctiv	hp:0001097	keratoconjunctiv	Keratoconjuncti	HP:0001097	TRUE	x			
C0022579	keratoderma	hp:0000982	Palmoplantar ke	Palmoplantar K	HP:0000982	TRUE		x	too specific (Palmoplantar)	http://sideeffects.embl.de/se/C0022579/
C0022579	keratoderma	hp:0000982	Palmoplantar ke	Congenital Pal	HP:0007597	FALSE		x	too specific (Congenital Palmoplantar)	
C0022650	renal calculi	hp:0000787	Nephrolithiasis	Kidney Stones	HP:0000787	TRUE	x			http://sideeffects.embl.de/se/C0022650/
C0023051	larynx	HP: 0001600	Abnormality of the larynx			FALSE			x	
C0023052	laryngeal edem	hp:0012027	laryngeal edema			FALSE			x	
C0023267	fibroids	HP:0000131	Uterine fibroid			FALSE			x	
C0023281	leishmaniasis	hp:0007408	Tegumentary leishmaniasis susceptibility			FALSE			x	
C0023321	lentigines	hp:0001003	multiple lentigines			FALSE			x	
C0023434	chronic lymphoc	hp:0005550	chronic lymphoc	Chronic Lymph	HP:0005550	TRUE	x			
C0023474	chronic phase C	hp:0005506	Chronic myelogenous leukemia			FALSE			x	
C0023480	chronic myelom	hp:0012325	chronic myelomonocytic leukemia			FALSE			x	
C0023643	lichen	hp:0100725	Lichenification			FALSE			x	
C0023646	lichen planus	hp:0100725	Lichenification			FALSE			x	
C0023895	liver disease	HP:0001392	Abnormality of t	Degenerative Li	HP:0005237	FALSE		x	too specific (degenerative)	
C0023895	liver disease	HP:0001392	Abnormality of t	Cystic Liver Dis	HP:0006706	FALSE		x	too specific (cystic liver)	
C0024115	pulmonary dise	HP:0006510	Chronic obstruc	Cystic Lung Dis	HP:0005948	FALSE		x	too specific (cystic lung)	
C0024115	pulmonary dise	HP:0006510	Chronic obstruc	Interstitial Pulm	HP:0006530	FALSE		x	too specific (interstitial)	
C0024115	pulmonary dise	HP:0006510	Chronic obstruc	Fibrocystic Lun	HP:0006552	FALSE		x	too specific (fibrocystic)	
C0024117	chronic obstruct	HP:0006510	Chronic obstruc	Chronic Obstruc	HP:0006541	FALSE		x	too specific (From Birth)	
C0024117	chronic obstruct	HP:0006510	Chronic obstruc	Chronic Obstruc	HP:0006510	TRUE	x			

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C0024523	malabsorption	hp:0002024	malabsorption	Malabsorption	HP:0002024	TRUE	x					
C0024623	Gastric Cancer	hp:0012126	stomach cancer	Increased Gastr	HP:0006753	FALSE		x		too specific (increased)		
C0025303	meningococcal	hp:0005381	recurrent menin	Recurrent Meni	HP:0005381	TRUE		x		too secific (recurrent)		
C0025322	premature men	HP:0100805	Precocious menopause			FALSE				x		
C0025345	menstrual disor	hp:0000140	Abnormality of the menstrual cycle			FALSE				x		
C0026205	miosis	hp:0000616	miosis	Miosis	HP:0000616	TRUE	x					
C0026837	rigidity	hp:0002063	rigidity	Rigidity	HP:0002063	TRUE	x					
C0026918	Mycobacterial I	hp:0011274	recurrent mycobacterial infection			FALSE				x		
C0026985	myelodysplasia	hp:0002863	Myelodysplasia	Myelodysplasia	HP:0002863	TRUE	x					
C0026985	myelodysplasia	hp:0002863	Myelodysplasia	Myelodysplasia	HP:0004828	FALSE		x		too specific (with sideroblatosis)		
C0026985	myelodysplasia	hp:0002863	Myelodysplasia	Myelodysplasia	HP:0005516	FALSE		x		too specific (And Acute Myelogenous Leukemia)		
C0026987	myelofibrosis	hp:0011974	Myelofibrosis			FALSE				x		
C0027145	myxedema	hp:0200028	Pretibial myxedema			FALSE				x		
C0027720	nephrosis	hp:0000100	nephrotic syndr	Nephrosis	HP:0000801	FALSE	x					
C0027726	nephrotic syndr	HP:0000100	Nephrotic syndr	Nephrotic Syndr	HP:0000100	TRUE	x					
C0027726	nephrotic syndr	HP:0000100	Nephrotic syndr	Nephrotic Syndr	HP:0004718	FALSE		x		too specific (Progressing To Endstage Kidney Disease)		
C0027726	nephrotic syndr	HP:0000100	Nephrotic syndr	Transient Neph	HP:0008695	FALSE		x		too specific (transient)		
C0027726	nephrotic syndr	HP:0000100	Nephrotic syndr	Terminal Neph	HP:0008638	FALSE		x		too specific (terminal)		
C0027796	neuralgia	HP:0100661	Trigeminal neuralgia			FALSE				x		
C0028949	oligomenorrhoe	hp:0000876	Oligomenorrhoea	Oligomenorrhoea	HP:0000876	TRUE	x					
C0028960	oligospermia	hp:0000798	Oligospermia	Oligospermia	HP:0000798	TRUE	x					
C0029118	opportunistic inf	HP:0005390	reccurent oppor	Frequent Bacter	HP:0005390	TRUE		x		too specific (frequent)	http://sideeffects.embl.de/se/C0029118/	
C0029134	optic neuritis	hp:0100653	optic neuritis			FALSE				x		
C0029191	orchitis	hp:0100796	orchitis			FALSE				x		
C0029454	osteopetrosis	hp:0011002	Osteopetrosis			FALSE				x		
C0030290	pancreatic fistul	hp:0100844	pancreatic fistula			FALSE				x		
C0030353	papilledema	hp:0001085	Papilledema	Papilledema	HP:0001085	TRUE	x					
C0030554	paresthasias	HP:0003401	Paresthasias	Paresthasia	HP:0003401	TRUE	x					
C0030567	paralysis agitan	hp:0001300	Parkinson's disease			FALSE				x		
C0031350	Pharyngitis	HP:0100776	Recurrent pharyngitis			FALSE				x		
C0032290	ASPIRATION P	hp:0011951	Aspiration pneu	Aspiration Pneu	HP:0002100	FALSE	x					
C0032305	Pneumocystis c	hp:0002090				FALSE				x		
C0032326	pneumothorax	hp:0002107	Pneumothorax	Pneumothorax	HP:0002107	TRUE	x					
C0032326	pneumothorax	hp:0002107	Pneumothorax	Multiple Bilatera	HP:0005939	FALSE		x		too specific (Bilateral Pneumothoraces)		
C0032326	pneumothorax	hp:0002107	Pneumothorax	Repeated Pneu	HP:0006522	FALSE		x		too specific (Repeated)		
C0032797	postpartum hem	hp:0011891	Post-partum hemorrhage			FALSE				x		
C0032827	K deficiency	hp:0011892	vitamin k deficiency			FALSE				x		
C0032914	toxemia of preg	hp:0100603	toxemia of pregnancy			FALSE				x		
C0033117	priapism	hp:0200023	Priapism			FALSE				x		
C0034072	cardiopulmonar	hp:0001648	Cor pulmonale	Cor Pulmonale	HP:0001648	TRUE	x				http://sideeffects.embl.de/se/C0034072/	
C0035243	Respiratory trac	HP:0002205	respiratory tract	Frequent Upper	HP:0001740	FALSE		x		too specific (frequent upper)		
C0035243	Respiratory trac	HP:0002205	respiratory tract	Recurrent Respi	HP:0002205	TRUE		x		too specific (recurrent)		

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C0035243	Respiratory trac	HP:0002205	respiratory tract	Respiratory Infe	HP:0004880	FALSE		x	too specific (in early life)		
C0035309	retinopathy	hp:0000488	retinopathy	Retinopathy	HP:0000488	TRUE	x				
C0035309	retinopathy	hp:0000488	retinopathy	Salt And Peppe	HP:0007814	FALSE		x	too specific (salt and pepper)		
C0035335	Retinoblastoma	hp:0009919	Retinoblastoma	Retinoblastoma	HP:0009919	TRUE	x				
C0035457	perennial allergi	HP:0003193	Allergic rhinitis			FALSE			x		
C0036104	salivation	hp:0100755	Abnormality of salivation			FALSE			x		
C0036983	septic shock	hp:0100806	sepsis			FALSE			x		
C0037278	Skin Infections	hp:0001581	Recurrent skin i	Recurrent Skin I	HP:0001581	TRUE		x	too specific (recurrent)		
C0037299	skin ulcers	hp:0200042	skin ulcers			FALSE			x		
C0037317	sleep disturban	HP:0002360	Sleep disturban	Sleep Disturban	HP:0002360	TRUE	x				
C0037769	West syndrome	hp:0012469	Infantile spasms	Infantile Seizure	HP:0002391	FALSE		x	too general (not West syndrome)	http://sideeffects.embl.de/se/C0037769/	
C0038160	Staph	hp:0002726	Recurrent Stap	Recurrent Stap	HP:0007499	FALSE		x	too specific (rcurrent)		
C0038363	canker sores	hp:0011107	Recurrent aphthous stomatitis			FALSE			x		
C0038379	strabismus	hp:0000486	Strabismus	Strabismus	HP:0000486	TRUE	x				
C0038395	Strep	hp:0005366	Recurrent streptococcus pneumoniae infections			FALSE			x		
C0038990	sweating	HP:0000975	Hyperhidrosis	Diaphoresis (wit	HP:0001011	FALSE		x	too specific	http://sideeffects.embl.de/se/C0038990/	
C0038990	sweating	HP:0000975	Hyperhidrosis	Hyperhidrosis	HP:0000975	TRUE		x	too specific (hyper)		
C0038990	sweating	HP:0000975	Hyperhidrosis	Hypohidrosis	HP:0000966	FALSE		x	too specific (hypo)		
C0038990	sweating	HP:0000975	Hyperhidrosis	Diaphoresis	HP:0001064	FALSE		x	too specific (profusely)		
C0038990	sweating	HP:0000975	Hyperhidrosis	Decreased Swe	HP:0007480	FALSE		x			
C0038990	sweating	HP:0000975	Hyperhidrosis	Ipsilateral Lack	HP:0007451	FALSE		x	too specific		
C0039232	atrioventricular	HP:0005115	Supraventricular arrhythmia			FALSE			x		
C0039240	supraventricular	hp:0004763	Paroxysmal sup	Episodic Suprav	HP:0004765	FALSE		x	too specific		
C0040100	thymoma	hp:0100522	Thymoma			FALSE			x		
C0040128	Thyroid Disease	HP:0000820	abnormality of t	Abnormality Of	HP:0000820	TRUE		x	too general (abnormal)		
C0040156	thyrotoxicosis	hp:0100647	Grave's disease			FALSE			x	http://sideeffects.embl.de/se/C0040156/	
C0040479	torsade de point	hp:0001664	torsade de point	Torsade De Poi	HP:0001664	TRUE	x			http://sideeffects.embl.de/se/C0040479/	
C0040580	trachea	HP:0002778	Abnormality of the trachea			FALSE			x		
C0040997	tic douloureux	HP:0100661	tic douloureux			FALSE			x		
C0041408	Turner Syndrom	hp:0000133	Gonadal dysgenesis			FALSE			x		
C0041657	loss of consciou	hp:0007185	loss of consciousness			FALSE			x		
C0041671	Attention Deficit	hp:0007018	Attention deficit	Attention Deficit	HP:0007018	TRUE		x	too specific (hyperactivity)	http://sideeffects.embl.de/se/C0041671/	
C0041782	deficiency anem	hp:0001891	iron deficiency anemia			FALSE			x		
C0041912	Upper Respirat	hp:0002788	Recurrent upper	Recurrent Uppe	HP:0002788	TRUE		x	too specific (recurrent)		
C0042133	uterine fibroids	HP:0000131	Uterine leiomyo	Uterine Leiomy	HP:0000131	TRUE	x				
C0042135	uterine atony	hp:0012423	Uterine Inertia			FALSE			x		
C0042165	anterior uveitis	hp:0012122	anterior uveitis			FALSE			x		
C0042167	posterior uveitis	hp:0012123	posterior uveitis			FALSE			x		
C0042237	vaginal cancers	hp:0100650	Vaginal neoplasm			FALSE			x		
C0042331	migraine variant	hp:0002076	Migraine			FALSE			x		
C0042373	vascular diseas	HP:0005296	Occlusive vascu	Occlusive Vasc	HP:0005296	TRUE		x	too specific (occlusive)		
C0042487	venous thrombo	HP:0004936	Venous thromb	Deep Venous T	HP:0002625	FALSE		x	too specific (deep)		

Appendix_B_Comparison of mappings – Appendix_B_Comparison of mappings

C0042487	venous thrombo	HP:0004936	Venous thromb	Venous Thromb	HP:0004936	TRUE	x					
C0042487	venous thrombo	HP:0004936	Venous thromb	Recurrent Deep	HP:0004850	FALSE		x		too specific (recurrent deep)		
C0042510	ventricular fibrill	hp:0001663	ventricular fibrill	Ventricular Fibril	HP:0001663	TRUE	x					
C0042721	viral hepatitis	hp:0006562	viral hepatitis	Viral Hepatitis	HP:0006562	TRUE	x					
C0042847	vitamin B 12 def	hp:0100502	vitamin B12 deficiency			FALSE				x		
C0042870	Vitamin D defici	hp:0100512	Vitamin D Deficiency			FALSE				x		
C0042875	deficiency of Vit	hp:0100513	Vitamin E deficiency			FALSE				x		
C0042880	vitamin K defici	hp:0011892	vitamin K deficiency			FALSE				x		
C0042974	von Willebrand	hp:0012147	Reduced quantity of Von Willebrand factor			FALSE				x		
C0043037	warts	hp:0200043	Verrucae			FALSE				x		
C0080203	tachyarrhythmia	hp:0001649	tachycardia			FALSE				x		
C0085096	peripheral vasc	hp:0004950	peripheral arteri	Peripheral Arteri	HP:0004950	TRUE	x					
C0085096	peripheral vasc	hp:0004950	peripheral arteri	Premature Peri	HP:0005299	FALSE		x		too specific (premature)		
C0085437	bacterial menin	hp:0007274	recurrent bacterial mningitis			FALSE				x		
C0085584	encephalopathy	hp:0001298	encephalopathy	Encephalopathy	HP:0001298	TRUE	x					
C0085584	encephalopathy	hp:0001298	encephalopathy	Encephalopathy	HP:0002448	FALSE		x		too specific		
C0085584	encephalopathy	hp:0001298	encephalopathy	Profound Static	HP:0007069	FALSE		x		too specific		
C0085584	encephalopathy	hp:0001298	encephalopathy	Infantile Enceph	HP:0007105	FALSE		x		too specific		
C0085584	encephalopathy	hp:0001298	encephalopathy	Encephalopathy	HP:0006929	FALSE		x		too specific		
C0085584	encephalopathy	hp:0001298	encephalopathy	Recurrent Cere	HP:0006947	FALSE		x		too specific		
C0085584	encephalopathy	hp:0001298	encephalopathy	Focal Necrotizin	HP:0006976	FALSE		x		too specific		
C0085584	encephalopathy	hp:0001298	encephalopathy	Nonprogressive	HP:0007030	FALSE		x		too specific		
C0085584	encephalopathy	hp:0001298	encephalopathy	Encephalopathy	HP:0007335	FALSE		x		too specific		
C0085584	encephalopathy	hp:0001298	encephalopathy	Congenital Enc	HP:0007239	FALSE		x		too specific		
C0085612	Ventricular Arrh	hp:0004308	Ventricular arrh	Ventricular Arrh	HP:0004308	TRUE	x					
C0085655	polymyositis	hp:0009071	inflammatory myopathy			FALSE				x		
C0086438	hypogammaglo	hp:0004313	Hypogammaglo	Decreased Igg	HP:0004315	FALSE		x		too specific (IgG)		http://sideeffects.embl.de/se/C0086438/
C0086981	sicca	hp:0001097	Keratoconjunctivitis sicca			FALSE				x		
C0149521	chronic pancrea	hp:0006280	Chronic pancre	Chronic Calcifyi	HP:0005236	FALSE		x		too specific (chronic)		
C0149521	chronic pancrea	hp:0006280	Chronic pancre	Chronic Pancre	HP:0006280	TRUE	x					
C0149523	acute cystitis	HP:0100577	Cystitis of the urinary bladder			FALSE				x		
C0149524	acute prostatitis	hp:0000024	prostatitis			FALSE				x		
C0149722	lentigo maligna	hp:0012059	Lentigo maligna melanoma			FALSE				x		
C0149725	Lower Respirat	HP:0002783	Recurrent lower	Recurrent Lowe	HP:0002783	TRUE		x		too specific		
C0149725	Lower Respirat	HP:0002783	Recurrent lower	Recurrent Uppe	HP:0002873	FALSE		x		too specific		
C0149871	DVT	hp:0002625	Deep venous th	Deep Venous T	HP:0002625	TRUE	x					
C0149871	DVT	hp:0002625	Deep venous th	Recurrent Deep	HP:0004850	FALSE		x		too specific (recurrent)		
C0149875	primary dysmen	HP:0100607	Dysmenorrhea			FALSE				x		
C0149922	lichen simplex	hp:0100725	Lichenification			FALSE				x		
C0151526	preterm birth	hp:0001622	Premature Birth	Premature Birth	HP:0001622	TRUE	x					
C0151526	preterm birth	hp:0001622	Premature Birth	Premature Birth	HP:0005100	FALSE		x		too specific		
C0151526	preterm birth	hp:0001622	Premature Birth	Premature Deliv	HP:0005267	FALSE		x		too specific		

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C0151603	generalized ede	hp:0007430	generalized ede	Generalized Ed	HP:0007430	TRUE	x					
C0151671	Decreased gluc	hp:0001952	Abnormal glucose tolerance			FALSE				x		
C0151686	growth retardati	hp:0001510	Growth delay	Severe Growth	HP:0001521	FALSE		x	too specific			
C0151686	growth retardati	hp:0001510	Growth delay	Growth Retarda	HP:0001530	FALSE		x	too specific			
C0151686	growth retardati	hp:0001510	Growth delay	Growth Retarda	HP:0001510	TRUE	x					
C0151686	growth retardati	hp:0001510	Growth delay	Severe Growth	HP:0008911	FALSE		x	too specific			
C0151686	growth retardati	hp:0001510	Growth delay	Growth Retarda	HP:0008897	FALSE		x	too specific			
C0151686	growth retardati	hp:0001510	Growth delay	Growth Retarda	HP:0008918	FALSE		x	too specific			
C0151686	growth retardati	hp:0001510	Growth delay	Growth Retarda	HP:0008893	FALSE		x	too specific			
C0151825	bone pain	hp:0002653	bone pain	Bone Pain	HP:0002653	TRUE	x					
C0151827	ocular pain	hp:0200026	ocular pain			FALSE				x		
C0151994	enlarged uterus	hp:0100878	Enlarged uterus			FALSE				x		
C0152021	congenital heart	HP:0002564	Malformation of	Cardiac Malfor	HP:0002564	TRUE	x				http://sideeffects.embl.de/se/C0152021/	
C0152116	spasmodic tortic	hp:0000473	Spasmodic torticollis			FALSE				x		
C0154251	disorder of lipid	hp:0003119	abnormality of lipid metabilism			FALSE				x		
C0154301	secondary thro	hp:0001873	thrombocytopenia			FALSE				x		
C0154728	meninges	hp:0010651	Abnormality of t	Abnormality Of	HP:0010651	TRUE		x	too general			
C0155626	acute myocardi	HP:0001658	Myocardial infarction			FALSE				x		
C0155862	pneumonia due	hp:0005366	Recurrent streptococcus pneumoniae infections			FALSE				x		
C0155919	acute pulmonar	HP:0100598	pulmonary edema			FALSE				x		
C0157741	idiopathic urtica	hp:0001025	urticaria			FALSE				x		
C0162311	pattern baldnes	hp:0002292	frontal balding	Frontal Balding	HP:0002292	TRUE	x				http://sideeffects.embl.de/se/C0162311/	
C0162429	undernutrition	hp:0004395	malnutrition	Psychomotor R	HP:0001255	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Restrictive Res	HP:0002111	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Deficiency Of S	HP:0002116	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Deficit In Nonw	HP:0002526	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Deficit In Phono	HP:0002549	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Decreased Iga	HP:0002720	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Reduced Delay	HP:0002972	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Aldehyde Oxida	HP:0002932	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Deficiency Of N-	HP:0003264	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Decreased Met	HP:0003223	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Glyoxalase Defi	HP:0003258	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Glucosephosph	HP:0003568	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Deficiency Or A	HP:0003514	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	4-hydroxypheny	HP:0003637	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Malnutrition	HP:0004395	TRUE	x					
C0162429	undernutrition	hp:0004395	malnutrition	C8 Deficiency	HP:0004434	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Williams Factor	HP:0004867	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Newborn Gam	HP:0005432	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Severe Igm Defi	HP:0005385	FALSE		x	unrelated to term			
C0162429	undernutrition	hp:0004395	malnutrition	Kininogen Defici	HP:0005527	FALSE		x	unrelated to term			

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C0162429	undernutrition	hp:0004395	malnutrition	Deficit In Expres	HP:0007192	FALSE		x	unrelated to term		
C0162429	undernutrition	hp:0004395	malnutrition	Moderate Growt	HP:0008855	FALSE		x	unrelated to term		
C0162429	undernutrition	hp:0004395	malnutrition	Methylcobalami	HP:0008287	FALSE		x	unrelated to term		
C0162429	undernutrition	hp:0004395	malnutrition	Partial Deficienc	HP:0008286	FALSE		x	unrelated to term		
C0162429	undernutrition	hp:0004395	malnutrition	Pituitary Gonad	HP:0008213	FALSE		x	unrelated to term		
C0162429	undernutrition	hp:0004395	malnutrition	Thyroid Stimulat	HP:0008248	FALSE		x	unrelated to term		
C0162429	undernutrition	hp:0004395	malnutrition	Combined Fact	HP:0008355	FALSE		x	unrelated to term		
C0162429	undernutrition	hp:0004395	malnutrition	Partial Deficienc	HP:0008357	FALSE		x	unrelated to term		
C0162835	depigmentation	hp:0007483	Depigmentation	Hypopigmentati	HP:0001010	FALSE	x				http://sideeffects.embl.de/se/C0162835/
C0162835	depigmentation	hp:0007483	Depigmentation	Hypopigmented	HP:0001053	FALSE		x	too specific (patches)		
C0162835	depigmentation	hp:0007483	Depigmentation	Congenital Parti	HP:0001044	FALSE		x	unrelated		
C0162835	depigmentation	hp:0007483	Depigmentation	Mild/severe Ski	HP:0005589	FALSE		x	too specific		
C0162835	depigmentation	hp:0007483	Depigmentation	Spotty Hyperpig	HP:0005585	FALSE		x	opposite (hyper)		
C0162835	depigmentation	hp:0007483	Depigmentation	Chorioretinal Hy	HP:0007661	FALSE		x	too specific & opposite		
C0162835	depigmentation	hp:0007483	Depigmentation	Confetti Hypopi	HP:0007554	FALSE		x	too specific		
C0162835	depigmentation	hp:0007483	Depigmentation	Mediosternal, L	HP:0007581	FALSE		x	too specific		
C0162835	depigmentation	hp:0007483	Depigmentation	Hypopigmented	HP:0007526	FALSE		x	too specific		
C0162835	depigmentation	hp:0007483	Depigmentation	Generalized Hy	HP:0007513	FALSE		x	Definition does not match		
C0162835	depigmentation	hp:0007483	Depigmentation	Axillary And Gro	HP:0007471	FALSE		x	too specific & opposite		
C0162835	depigmentation	hp:0007483	Depigmentation	Depigmentation	HP:0007483	TRUE	x				
C0162835	depigmentation	hp:0007483	Depigmentation	Increased Groin	HP:0007450	FALSE		x	too specific		
C0162835	depigmentation	hp:0007483	Depigmentation	Areas Of Hypop	HP:0007402	FALSE		x	too specific		
C0162835	depigmentation	hp:0007483	Depigmentation	Hypopigmentati	HP:0007894	FALSE		x	too specific & opposite		
C0162835	depigmentation	hp:0007483	Depigmentation	Hypomelanotic	HP:0009719	FALSE		x	too specific (patches)		
C0205707	sprue	hp:0002608	celiac disease			FALSE			x		
C0206660	germinomas	hp:0100728	Germ cell neoplasia			FALSE			x		
C0206669	Hepatic adeno	hp:0012028	Hepatocellular adenoma			FALSE			x		
C0206754	Neuroendocrine	hp:0100634	Neuroendocrine neoplasm			FALSE			x		
C0220870	lightheaded	HP:0002321	Vertigo			FALSE			x		
C0220994	hyperammonem	hp:0001987	hyperammonem	Hyperammone	HP:0001987	TRUE	x				
C0220994	hyperammonem	hp:0001987	hyperammonem	Hyperammone	HP:0008162	FALSE		x	too specific		
C0220994	hyperammonem	hp:0001987	hyperammonem	Hyperammone	HP:0008281	FALSE		x	too specific		
C0221232	wheals	hp:0001025	uticaria			FALSE			x		
C0221248	tophi	hp:0001997	gout			FALSE			x		
C0231170	disability	hp:0001249	Intellectual disability			FALSE			x		
C0231528	muscle sorenes	hp:0003326	Myalgia	HP:0003326	TRUE	x					
C0231528	muscle sorenes	hp:0003326	Exercise-induce	HP:0003738	FALSE		x		too specific		
C0231528	muscle sorenes	hp:0003326	Muscle Pain An	HP:0008983	FALSE		x		too specific		
C0232292	Chest tightness	hp:0100749	Chest pain			FALSE			x		
C0233407	disorientation	hp:0001289	Confusion	Confusion	HP:0001289	TRUE	x		*synonym in HP		http://sideeffects.embl.de/se/C0233407/
C0233415	distractibility	hp:0000736	Short attention span			FALSE			x		
C0234632	decreased visu	hp:0000505	Visual impairme	Impaired Vision	HP:0000505	TRUE	x				http://sideeffects.embl.de/se/C0234632/

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C0234632	decreased visu	hp:0000505	Visual impairme	Progressive Vis	HP:0000529	FALSE		x	too specific (progressive)		
C0234632	decreased visu	hp:0000505	Visual impairme	Lifelong Reduce	HP:0007640	FALSE		x	too specific		
C0234632	decreased visu	hp:0000505	Visual impairme	Reduced Visual	HP:0007983	FALSE		x	too specific		
C0234632	decreased visu	hp:0000505	Visual impairme	Corneal Opaciti	HP:0007759	FALSE		x	too specific		
C0235165	acute mania	hp:0100754	mania			FALSE			x		
C0235991	small for gestati	hp:0001518	small for gestational age			FALSE			x		
C0236018	aura	hp:0011157	aura	Migraine With A	HP:0002077	FALSE		x	other (HP term is for migraine)		
C0236018	aura	hp:0011157	aura	Migraine Withou	HP:0002083	FALSE		x			
C0242343	Panhypopituitari	hp:0000871	Panhypopituitari	Panhypopituitari	HP:0000871	TRUE	x				
C0242350	erectile dysfunct	hp:0000802	erectile dysfunct	Impotence	HP:0000802	TRUE	x				
C0242350	erectile dysfunct	hp:0000802	erectile dysfunct	Impotence Due	HP:0008652	FALSE		x	too specific		
C0243002	tricuspid atresia	hp:0011662	Tricuspid atresia			FALSE			x		
C0259817	xerosis	hp:0000958	xerosis	Dry Skin	HP:0000958	TRUE	x				
C0262421	chronic urinary t	hp:0000010	Recurrent urinary tract infections			FALSE			x		
C0263338	chronic urticaria	hp:0001025	urticaria			FALSE			x		
C0263383	keratosis pilaris	hp:0007439	Generalized keratosis follicularis			FALSE			x		
C0264383	organizing pneu	hp:0011945	Bronchiolitis obliterans organizing pneumonia			FALSE			x		
C0264886	cardiac conducti	HP:0011675	Arrhythmia	Abnormality Of	HP:0001665	FALSE		x	too general (abnormality)		
C0264936	pulmonary hype	hp:0002092	Pulmonary hypertension			FALSE			x		
C0267750	acute peritonitis	hp:0002586	Peritonitis			FALSE			x		
C0268070	low copper	hp:0011967	Hypocupremia			FALSE			x		
C0268733	acute nephritis	hp:0001970	Tubulointerstitial nephritis			FALSE			x		
C0270327	nocturnal enure	hp:0010677	nocturnal enure	Enuresis	HP:0000805	FALSE		x	too general		
C0270327	nocturnal enure	hp:0010677	nocturnal enure	Enuresis Diurna	HP:0010678	FALSE		x	other (wrong typ		
C0270327	nocturnal enure	hp:0010677	nocturnal enure	Enuresis Noctur	HP:0010677	TRUE	x				
C0270846	atonic seizures	hp:0010819	Atonic seizures			FALSE			x		
C0270922	Demyelinating	hp:0007108	Demyelinating p	Acute Demyelin	HP:0007131	FALSE		x	too specific (acute)		
C0271561	GHD	hp:0000824	growth hormone	Growth Hormon	HP:0000824	TRUE	x				
C0271561	GHD	hp:0000824	growth hormone	Secondary Gro	HP:0008240	FALSE		x	too specific (secondary)		
C0271578	Female hypogo	hp:0000134	Female hypogonadism			FALSE			x		
C0271728	secondary hype	hp:0011741	Secondary hyperaldosteronism			FALSE			x		
C0271738	secondary adre	HP:0011734	Secondary adrenal insufficiency			FALSE			x		
C0272285	heparin induced	hp:0011874	Heparin-induced thrombocytopenia			FALSE			x		
C0276226	herpes simplex	hp:0012302	Herpes simplex encephalitis			FALSE			x		
C0277884	increase in syst	hp:0004421	Elevated systolic blood pressure			FALSE			x		
C0278488	metastatic brea	hp:0003002				FALSE			x		
C0312646	skin test reactio	hp:0002963	abnormal delayed hypersensitivity skin test			FALSE			x		
C0332563	papules	hp:0200034	skin papules			FALSE			x		
C0338831	mania	HP:0100754	A state of abnormally elevated or irritable mood, ar			FALSE			x		
C0343065	dermatographis	HP:0011971	Dermatographism			FALSE			x		
C0345904	Liver cancer	hp:0002896	Neoplasm of th	Liver Cancer	HP:0002896	TRUE	x				

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C0346647	Pancreatic canc	hp:0006725	Pancreatic aden	Neoplasia Of Th	HP:0002894	FALSE		x	too specific (neoplasia)	http://sideeffects.embl.de/se/C0346647/
C0346647	Pancreatic canc	hp:0006725	Pancreatic aden	Increased Risk	HP:0004511	FALSE		x	too specific (increased risk)	
C0347869	akinetic seizure	hp:0010819	Atonic seizures			FALSE			x	
C0349790	asthma exacerb	hp:0002099	asthma			FALSE			x	
C0376297	cardiac death	hp:0001645	Sudden cardiac death			FALSE			x	
C0376358	prostate cancer	hp:0012125	prostate cancer			FALSE			x	
C0392163	corneal erosion	hp:0200020	Corneal erosion	Recurrent Cor	HP:0000495	FALSE		x	too specific (recurrent)	
C0393819	Chronic Inflam	hp:0007108	Demyelinating peripheral neuropathy			FALSE			x	
C0400930	chronic hepatic	hp:0100626	Chronic hepatic failure			FALSE			x	
C0401149	chronic constipa	hp:0012450	Chronic constip	Chronic Constip	HP:0002241	FALSE	x			
C0403447	chronic renal di	HP:0003774	Chronic renal failure			FALSE			x	
C0410916	neonatal death	hp:0003811	Neonatal death			FALSE			x	
C0427086	involuntary mov	hp:0004305	involuntary mov	Involuntary Rhyt	HP:0001295	FALSE		x	too specific	
C0427086	involuntary mov	hp:0004305	involuntary mov	Involuntary Mov	HP:0007120	FALSE		x	too specific	
C0427086	involuntary mov	hp:0004305	involuntary mov	Abnormality Of	HP:0100022	FALSE		x	too general (abnormality)	
C0427086	involuntary mov	hp:0004305	involuntary mov	Self-mutilation	HP:0008767	FALSE		x	too specific	
C0438717	elevated transa	hp:0002910	Elevated hepati	Elevated Trans	HP:0002910	TRUE	x			
C0521169	compression fra	hp:0002953	Vertebral compression fractures			FALSE			x	
C0521170	osteoporotic fra	hp:0005744	Generalized osteoporosis with pathologic fractures			FALSE			x	
C0541854	daytime sleepin	hp:0002189	Excessive daytime sleepiness			FALSE			x	
C0541875	joint destruction	hp:0005187	progressive joint	Progressive Joi	HP:0005187	TRUE		x	too specific (progressive)	
C0546817	hypervolemia	hp:0011105	Hypervolemia			FALSE			x	
C0549634	lipid abnormality	hp:0003119	abnormality in lipid metabolism			FALSE			x	
C0553662	juvenile rheuma	HP:0005681	juvenile rheumatoid arthritis			FALSE			x	
C0553681	hypofibrinogene	hp:0011900	Hypofibrinogenemia			FALSE			x	
C0553692	haemorrhagic st	hp:0001297	Stroke			FALSE			x	
C0553721	decreased swe	hp:0000966	Hypohidrosis			FALSE			x	
C0577631	carotid atherosc	hp:0100546	Carotid artery stenosis			FALSE			x	
C0580317	abnormal platel	hp:0011873	Abnormal platelet count			FALSE			x	
C0580546	abnormal gluco	hp:0011014	Abnormal glucose homeostasis			FALSE			x	
C0600104	compulsions	HP:0008762		Obsessive-com	HP:0000722	FALSE		x	other (disorder)	http://sideeffects.embl.de/se/C0600104/
C0600139	prostatic carcin	HP_0012125	Prostate cancer			FALSE			x	
C0677886	carcinoma of th	hp:0006774	Ovarian papillary adenocarcinoma			FALSE			x	
C0678202	regional enteriti	hp:0100280	Crohn's disease			FALSE			x	
C0678222	carcinoma of th	hp:0003002	breast carcinom	Breast Cancer	HP:0003002	TRUE	x			
C0678222	carcinoma of th	hp:0003002	breast carcinom	Breast Cancer,	HP:0006625	FALSE		x	too specific (Frequently Bilateral And Multifocal)	
C0694539	chronic atrial fib	hp:0004754	permanent atrial	Paroxysmal Or	HP:0004754	TRUE	x		* synonym	http://sideeffects.embl.de/se/C0694539/
C0699790	carcinoma of th	hp:0003003	colon cancer	Colon Cancer	HP:0003003	TRUE	x			
C0740766	Acute pneumoni	hp:0011949	Acute infectious pneumonia			FALSE			x	
C0745153	hypoglycemic e	hp:0001988	Recurrent hypo	Recurrent Hypo	HP:0001988	TRUE		x	too specific (recurrent + episodes)	
C0747102	ovarian failure	hp:0001587	primary ovarian failure			FALSE			x	
C0750016	generalized urti	HP:0001025]	Urticaria			FALSE			x	

Appendix_B_Comparison of mappings – Appendix_B_Comparison of mappings

C0750857	increased seru	hp:0003155	Elevated alkaline	Elevated Alkaline	HP:0003155	TRUE	x				http://sideeffects.embl.de/se/C0750857/
C0813148	metastatic endo	hp:0012114	Endometrial carcinoma			FALSE				x	
C0849916	generalized eryt	hp:0010783	Erythema	Intermittent Gen	HP:0007432	FALSE		x	too specific		
C0850666	Helicobacter pyl	HP: 0005202	Helicobacter pyl	Helicobacter Pyl	HP:0005202	FALSE		x	too specific (susceptibility)		
C0856543	keratosis palma	hp:0007439	Generalized keratosis follicularis			FALSE				x	
C0857081	deterioration of	hp:0007924	Slow decrease in visual acuity			FALSE				x	
C0857121	hypertensive	HP:0100735	Hypertensive crisis			FALSE				x	
C0857322	anemic	HP:0001903	anemia	Anemic Pallor	HP:0001017	FALSE	x		too specific (pallor)		
C0857496	thromboembolic	hp:0001907	Thromboemboli	Thromboemboli	HP:0001907	TRUE	x		* synonym		http://sideeffects.embl.de/se/C0857496/
C0858734	insulin hypoglyc	hp:0000825	Hyperinsulinemic hypoglycemia			FALSE				x	
C0860814	QTc	hp:0005184	prolonged QTc interval			FALSE				x	
C0863113	symptomatic hy	hp:0002615	systematic hypotention			FALSE				x	
C0865850	acute respirator	hp:0002093	Respiratory insufficiency			FALSE				x	
C0876973	pulmonary infec	hp:0006532	Recurrent pneu	Recurrent Pneu	HP:0002095	FALSE		x	too specific (recurrent)		
C0876973	pulmonary infec	hp:0006532	Recurrent pneu	Recurrent Lowe	HP:0002783	FALSE		x	too specific (recurrent lower)		
C0877419	spastic bladder	hp:0005340	spastic/hyperactive bladder			FALSE				x	
C0877854	cerebral arterios	hp:0004931	arteriosclerosis of small cerebral arteries			FALSE				x	
C0917798	cerebral ischem	hp:0002637	Cerebral ische	Cerebral Ische	HP:0002637	TRUE	x				
C0917801	insomnia	HP:0100785	Insomnia			FALSE				x	
C0917816	mental deficienc	hp:0001249	Intellectual disa	Mental Deficien	HP:0001267	FALSE	x				
C0917816	mental deficienc	hp:0001249	Intellectual disa	Mental Retardat	HP:0002342	FALSE		x	too specific (moderate)		
C0919267	ovarian tumors	hp:0100615	Ovarian neoplasm			FALSE				x	
C0947912	myasthenia	HP:0003473	fatigable weakness			FALSE				x	
C0948109	idiopathic neutr	HP:0001875	Neutropenia			FALSE				x	
C0948896	Primary hypogo	HP:0000815	primary hypogo	Hypergonadotro	HP:0000815	TRUE	x		* HP synonym		
C0948896	Primary hypogo	HP:0000815	primary hypogo	High Urinary Go	HP:0003492	FALSE	x		other (clinical measure)		http://sideeffects.embl.de/se/C0948896/
C1142274	Cell Nevus	HP:0002671	basal cell carcinoma			FALSE				x	
C1264195	RARS	hp:0004828	Refractory anemia with ring sideroblasts			FALSE				x	
C1287298	urine output	hp:0011037	Decreased urine output			FALSE				x	
C1321905	Minimal Brain D	HP:0007018	attention deficit hyperactivity disorder			FALSE				x	
C1384514	primary hyperal	hp:0011736	primary hyperaldosteronism			FALSE				x	
C1456822	claudication	hp:0004417	intermittent claudication			FALSE				x	
C1527249	colorectal cance	hp:0003003	colon cancer	Increased Risk	HP:0006718	FALSE		x	other (does not include rectal)		http://sideeffects.embl.de/se/C1527249/
C1536696	overactivity	HP:0002717	adrenal overactivity			FALSE				x	
C1608426	compensated ci	hp:0001394	Cirrhosis			FALSE				x	
C1692886	septic arthritis	hp:0003095	Septic arthritis	Septic Arthritis	HP:0003095	TRUE	x				
C1704321	idiopathic nephr	hp:0008727	idiopathic nephrotic syndrome			FALSE				x	
C1761609	aspiration pneu	hp:0011951	Aspiration pneumonia			FALSE				x	
C1861172	venous thrombo	hp:0004936	Venous thrombosis			FALSE				x	
C1961112	cardiac decomp	hp:0001635	congestive heart failure			FALSE				x	
C2062908	acute gout	hp:0001997	gout			FALSE				x	
C2239176	hepatoma	hp:0001402	hepatocellular carcinoma			FALSE				x	

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C2242826	myeloblastic leu	hp:0004808	acute myeloblastic leukemia		FALSE				x		
C2607914	allergic rhinitis	HP:0003193	Allergic rhinitis		FALSE				x		
C2830004	Somnolence	HP:0001262	Somnolence		FALSE				x		
C2937358	cerebral hemorr	hp:0001342	Cerebral hemorrhage		FALSE				x		