

B. Mapping revisions and variants of the ICD

Web Table 3 provides a listing of the ICD9 BTL, ICD9 detail, and ICD10 codes for each of 291 GBD causes. The table is organized by GBD cause, presenting the specific ICD codes that were mapped to each cause for each of the three ICD variants.

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list			
GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Communicable, maternal, neonatal and nutritional disorders	A15-A19, B90, P37.0, B20-B24, C46-C469, D84.9, A00, A02- A04, A06-A09, A01, J09-J11, J13, J14, J12.1, J12 (except J12.1), J15-J22, J85, P23, J00-J06, H65-H68, H70, G00.1, G00.0, A39, A87, G00.2-G03.9, A83-A86, B94.1, G04, A36, A37, A33-A35, B05, B01-B02, P35.8, B50-B54, P37.3, P37.4, B57, B55, B56, B65, B69, B67, B74 (except B74.3, B74.4, B74.8, B74.9), B73, A71**, A74.0**, B94.0**, A90-A91, A95, A82, B76, B66, O00-O99, P01.0, P01.1, P07, P22, P25-P28, P61.2, P77, P52, P00, P01.7-P01.9 , P02-P03 , P08.0-P08.2, P10-P15, P20-P21, P24, P70, P90-P91, P36, P38-P39, P01.2-P01.6, P04, P05, P29, P50-P74 (except P61.2, P52, P70), P76, P78-P83, P92-P94, P96 (except P96.9), E40-E46, E64.0, E00-E02, E50, E64.1, D50, D64.9, D51-D53, E51-E63.9, E64.2-E64.3, N70-N73.9, A50-A58, A59**, A60**, A63**, B15, B16, B17.0, P35.3, P35.3, B17.1, B17.2, A30, B92, A20-A28, A31-A32, A38, A42-A49 (except A48.0, A48.3, A49.9), A65-A70 (except A68), A74 (except A74.0), A81, A88-A89, A99, B04, B25, B27-B49 (except B35-B36), B58-B64, P35.1, P35.2, P35.8, P35.9, P37.2, P37.5-P37.9, B03, B26 , B06, P35.0, A80, B91	010 - 018, 137.0-137.4, 320.4, 730.4-730.6, 042-044, 112-118(after 1980), 130(after 1980), 136.3-136.8(after 1980), 176.0-176.9(after 1980), 279(after 1980)001, 003-004, 006-009,002,487, 481 , 482.2, 480.1, 466, 480.0-480.9(except 480.1), 482.0-4829(except 482.2), 483-486, 513, 770.0, 460-465, 476, 381-383, 320.1, 320.0, 036, 320.5 , 047-049, 320.2-320.3, 320.7-320.9, 321-322, 062-064, 139.0, 323.1, 323.3-323.4, 323.6-323.9, 32, 33, 037, 771.3, 55, 052-053084, 086.0, 086.2, 085, 086.3-086.5, 120,123.1, 122, 125.0-125.2, 125.3.0, 76**, 077.0**61, 60, 71, 126, 121, 630-677, 761.0-761.1, 765, 769, 770.2-770.9, 772.1, 774.2, 776.6, 777.5-777.6 , 772.2, 760, 761.7-761.9, 762, 763, 766,767, 768.4-768.9, 770.1, 775.0, 775.1,775.6, 779.0-779.2, 771.4-771.8, 761.2-761.6, 764, 770.0, 771, 772.0, 772.3-772.9, 774.0, 774.1, 774.3-774.7, 775(except 775.0 ,775.1, 775.6), 776.0-776.5 , 776.7-776.9, 777.0-777.4, 777.8-777.9, 778, 779.4-779.8260-263.9, 243, 244.2, 264-264.9, 280, 285.9, 265-269, 281, 090-097, 098, 099.1, 099.4-099.5, 099.0, 099.2-099.3, 99.8-99.9, 614-616.4, 070 (except 70.22, 70.23, 70.32, 70.33, 70.44, 70.49,70.54, 70.59)***, 030, 020-027, 031, 034-035, 039-041(except040.0) , 046, 051, 054, 057, 073-075, 077(except 077.0) 078.5-078.8, 100-104, 136.0-136.2, 136.9, 323.0, 730.9, 771.1-771.2, 50, 72.056, 771.0.045, 138, 323.2, 730.7	B020-B029, B184-B185B011, B320-B322, B310-B312, B240, B036, B220, B045, B033, B034, B037, B037, B042, B052, B053, B072, B073, B074, B044, B047, B075, B380-B399, B40-B41, B190-B192, B200, B060, B061, B069, B371-B372, B046, B032, B030-B031, B035, B039, B070, B041, B043, B040, B078
HIV/AIDS and tuberculosis	A15-A19, B90, P37.0, B20-B24, C46-C469, D84.9	010 - 018, 137.0-137.4, 320.4, 730.4-730.6, 042-044, 112-118(after 1980), 130(after 1980), 136.3-136.8(after 1980), 176.0-176.9(after 1980), 279(after 1980)	B020-B029, B184-B185
Tuberculosis	A15-A19, B90, P37.0	010 - 018, 137.0-137.4, 320.4, 730.4-730.6	B020-B029
HIV/AIDS	B20-B24, C46-C469, D84.9	042-044, 112-118(after 1980), 130(after 1980), 136.3-136.8(after 1980), 176.0-176.9(after 1980), 279(after 1980)	B184-B185
HIV disease resulting in mycobacterial infection	B20.0		
HIV disease resulting in other specified or unspecified diseases	B20-B24(except B20.0), C46-C46.9, D84.9		
Diarrhea, lower respiratory infections, meningitis, and other common infectious diseases	A00, A02-A04, A06-A09, A01, J09-J11, J13, J14, J12.1, J12 (except J12.1), J15-J22, J85, P23, J00-J06, H65-H68, H70, G00.1, G00.0, A39, A87, G00.2-G03.9, A83-A86, B94.1, G04, A36, A37, A33-A35, B05, B01-B02, P35.8	001, 003-004, 006-009, 002, 487, 481, 482.2, 480.1, 466, 480.0-480.9(except 480.1), 482.0-4829(except 482.2), 483-486, 513, 770.0, 460-465, 476, 381-383, 320.1, 320.0, 036, 320.5, 047-049, 320.2-320.3, 320.7-320.9, 321-322, 062-064, 139.0, 323.1, 323.3-323.4, 323.6-323.9, 032, 033, 037, 771.3, 055, 052-053	B011, B320-B322, B310-B312, B240, B036, B220, B045, B033, B034, B037, B037, B042
Diarrheal diseases	A00, A02-A04, A06-A09	001, 003-004, 006-009	
Cholera	A00	001	B010
Other salmonella infections	A02	003	
Shigellosis	A03	004	B012

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GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Enteropathogenic E coli infection	A04.0	008.01***	
Enterotoxigenic E coli infection	A04.1	008.02***	
Campylobacter enteritis	A04.5	008.43***	
Amoebiasis	A06	006	B014
Cryptosporidiosis	A07.2	007.4	
Rotaviral enteritis	A08.0	008.61***	
Other diarrheal diseases	A04 (except A04.0, A04.1, A04.5), A07-A09 (except A07.2, A08.0), A05	007-007.3, 007.8-008.00***, 008.03-008.42***, 008.44***-008.6, 008.62-009, 005	
Typhoid and paratyphoid fevers	A01	002	B011
Lower respiratory infections	J09-J11, J13, J14, J12.1, J12 (except J12.1), J15-J22, J85, P23	487, 481, 482.2, 480.1, 466, 480.0-480.9(except 480.1), 482.0-4829(except 482.2), 483-486, 513, 770.0	B320-B322
Influenza	J09-J11	487	
Pneumococcal pneumonia	J13	481	
H influenza type B pneumonia	J14	482.2	
Respiratory syncytial virus pneumonia	J12.1	480.1	
Other lower respiratory infections	J12 (except J12.1), J15-J22, J85, P23	466, 480.0-480.9(except 480.1), 482.0-482.9(except 482.2), 483-486, 513, 770.0	
Upper respiratory infections	J00-J06	460-465, 476	B310-B312
Otitis media	H65-H68, H70	381-383	B240
Meningitis	G00.1, G00.0, A39, A87, G00.2-G03.9	320.1, 320.0, 036, 320.5, 047-049, 320.2-320.3, 320.7-320.9, 321-322	B036, B220
Pneumococcal meningitis	G00.1	320.1	
H influenza type B meningitis	G00.0	320	
Meningococcal infection	A39	036, 320.5	B036
Other meningitis	A87, G00.2-G03.9	047-049, 320.2-320.3, 320.7-320.9, 321-322	
Encephalitis	A83-A86, B94.1, G04	062-064, 139.0, 323.1, 323.3-323.4, 323.6-323.9	B045
Diphtheria	A36	032	B033
Whooping cough	A37	033	B034
Tetanus	A33-A35	037, 771.3	B037
Measles	B05	055	B037
Varicella	B01-B02, P35.8	052-053	B042

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GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Neglected tropical diseases and malaria	B50-B54, P37.3, P37.4, B57, B55, B56, B65, B69, B67, B74 (except B74.3, B74.4, B74.8, B74.9)B73, A71**, A74.0**, B94.0**A90-A91, A95, A82, B76, B66	084, 086.0, 086.2, 085, 086.3-086.5, 120,123.1, 122, 125.0-125.2, 125.3, 076**, 077.0**, 061, 060, 071, 126, 121	B052, B053, B072, B073, B074, B044, B047, B075
Malaria	B50-B54, P37.3, P37.4	084	B052
Chagas disease	B57	086.0, 086.2	
Leishmaniasis	B55	085	B053
African trypanosomiasis	B56	086.3-086.5	
Schistosomiasis	B65	120	B072
Cysticercosis	B69	123.1	
Echinococcosis	B67	122	B073
Lymphatic filariasis	B74 (except B74.3, B74.4, B74.8, B74.9)	125.0-125.2	B074
Onchocerciasis	B73	125.3	
Trachoma	A71**, A74.0**, B94.0**	076**, 077.0**	
Dengue	A90-A91	061	
Yellow fever	A95	060	B044
Rabies	A82	071	B047
Intestinal nematode infections	B77, B79, B76, B68, B70-B71, B78, B80-B81	127.0, 127.3, 126, 123, 123.0, 123.2-124, 127.1-127.2, 127.4-127.9, 128-129	B076, B075
Ascariasis	B77	127	
Trichuriasis	B79	127.3	
Hookworm disease	B76	126	B075,
Food-borne trematodiasis	B66	121	
Other neglected tropical diseases	A68, A69.2, A75-A79, A92-A94, A96, A98, B58- B64, B72, B74.3-B7.9, B83, P37.1, B70-B71, B78, B80-B81	065-066, 080-083, 087-088, 125.4-125.7, 123, 123.0, 123.2-124, 127.1-127.2, 127.4-127.9, 128-129	B050-B051
Maternal disorders	O00-O99	630-677	B380-B399, B40-B41
Maternal hemorrhage	O20, O44-O46, O67, O72	640-641, 666	B390
Maternal sepsis	O85-O86	670-672	B394
Hypertensive disorders of pregnancy	O10-O16	642	B391
Obstructed labor	O64-O66	660	B393
Abortion	O00-O08	630-639	B380-B389
Other maternal disorders	O21-O43, O47-O63, O68-O71, O73-O84, O87-O92, O94-O99	643-659, 661-665, 667-669, 673-677	

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GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Neonatal disorders	P01.0, P01.1, P07, P22, P25-P28, P61.2, P77, P52, P00, P01.7-P01.9 , P02-P03 , P08.0-P08.2, P10-P15, P20-P21, P24, P70, P90-P91, P36, P38-P39, P01.2-P01.6, P04, P05, P29, P50-P74(except P61.2, P52, P70), P76, P78-P83, P92-P94, P96(except P96.9)	761.0-761.1, 765, 769, 770.2-770.9, 772.1, 774.2, 776.6, 777.5-777.6, 777.2, 760, 761.7-761.9, 762, 763, 766, 767, 768.4-768.9, 770.1, 775.0, 775.1, 775.6, 779.0-779.2, 771.4-771.8, 761.2-761.6, 764, 770.0, 771, 772.0, 772.3-772.9, 774.0, 774.1, 774.3-774.7, 775(except 775.0 ,775.1, 775.6), 776.0-776.5, 776.7-776.9, 777.0-777.4, 777.8-777.9, 778, 779.4-779.8	B45
Preterm birth complications	P01.0, P01.1, P07, P22, P25-P28, P61.2, P77, P52	761.0-761.1, 765, 769, 770.2-770.9, 772.1, 774.2, 776.6, 777.5-777.6 , 772.2	
Neonatal encephalopathy (birth asphyxia and birth trauma)	P00, P01.7-P01.9 P02-P03 , P08.0-P08.2, P10-P15, P20-P21, P24, P70, P90-P91	760, 761.7-761.9, 762, 763, 766, 767, 768.4-768.9, 770.1, 775.0, 775.1,775.6, 779.0-779.2	
Sepsis and other infectious disorders of the newborn baby	P36, P38-P39	771.4-771.8	
Other neonatal disorders	P01.2-P01.6, P04, P05, P29, P50-P74(except P61.2, P52, P70), P76, P78-P83, P92-P94, P96(except P96.9)	761.2-761.6, 764, 770.0, 771, 772.0, 772.3-772.9, 774.0, 774.1, 774.3-774.7, 775(except 775.0 ,775.1, 775.6), 776.0-776.5, 776.7-776.9, 777.0-777.4, 777.8-777.9, 778, 779.4-779.8	
Nutritional deficiencies	E40-E46, E64.0, E00-E02, E50, E64.1, D50, D64.9, D51-D53, E51-E63.9, E64.2-E64.3	260-263.9, 243, 244.2, 264-264.9, 280, 285.9, 265-269, 281	B190-B192, B200
Protein-energy malnutrition	E40-E46, E64.0	260-263.9	B190-B192
Iodine deficiency	E00-E02	243, 244.2	
Vitamin A deficiency	E50, E64.1	264-264.9	
Iron-deficiency anemia	D50, D64.9	280, 285.9	B200
Other nutritional deficiencies	D51-D53, E51-E63.9, E64.2-E64.3	265-269, 281	
Other communicable, maternal, neonatal and nutritional disorders	N70-N73.9, A50-A58, A59**, A60**, A63**B15, B16, B17.0, P35.3, P35.3, B17.1, B17.2A30, B92, A20-A28, A31-A32, A38, A42-A49 (except A48.0, A48.3, A49.9),A65-A70(except A68), A74 (except A74.0), A81, A88-A89, A99, B04, B25, B27-B49(except B35-B36), B58-B64, P35.1, P35.2, P35.8, P35.9, P37.2, P37.5-P37.9, B03, B26, B06, P35.0, A80, B91	090-097, 098, 099.1, 099.4-099.5, 099.0, 099.2-099.3, 99.8-99.9, 614-616.4, 070 (except 70.22, 70.23, 70.32, 70.33, 70.44, 70.49,70.54, 70.59)***, 030, 020-027, 031, 034-035, 039-041(except 040.0), 046, 051, 054, 057, 073-075, 077(except 077.0), 078.5-078.8, 100-104, 136.0-136.2, 136.9, 323.0, 730.9, 771.1-771.2, 050, 072, 056, 771.0, 045, 138, 323.2, 730.7	B060, B061, B069, B371 B372, B046, B032, B030 B031, B035, B039, B070, B041, B043, B040, B078
Sexually transmitted diseases excluding HIV	N70-N73.9, A50-A58, A59**, A60**, A63**	090-097, 098, 099.1, 099.4-099.5, 099.0, 099.2-099.3, 99.8-99.9, 614-616.4	B060, B061, B069, B371-B372
Syphilis	A50-A53	090-097	B060
Sexually transmitted chlamydial diseases	A55-A56		
Gonococcal infection	A54	098, 099.1, 099.4-099.5	B061
Trichomoniasis	A59**		

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GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Other sexually transmitted diseases	A57-A58, A60**, A63**	099.0, 099.2-099.3, 99.8-99.9	B069
Hepatitis	B15, B16, B17.0, P35.3, P35.3, B17.1, B17.2	070 (except 70.22, 70.23, 70.32, 70.33, 70.44, 70.49,70.54, 70.59)***	B046
Acute hepatitis A	B15	070.0-070.1	
Acute hepatitis B	B16, B17.0, P35.3	070.2-070.3 (except 70.22, 70.23, 70.32, 70.33)***	
Acute hepatitis C	B17.1	070.41***	
Acute hepatitis E	B17.2	070.43***	
Leprosy	A30, B92	030	B032
Other infectious diseases	A20-A28, A31-A32, A38, A42-A49 (except A48.0, A48.3, A49.9),A65-A70(except A68), A74 (except A74.0), A81, A88-A89, A99, B04, B25, B27-B49(except B35-B36), B58-B64, P35.1, P35.2, P35.8, P35.9, P37.2, P37.5-P37.9, B03, B26, B06, P35.0, A80, B91	020-027, 031, 034-035, 039-041(except 040.0), 046, 051, 054, 057, 073-075, 077(except 077.0) 078.5-078.8, 100-104, 136.0-136.2, 136.9, 323.0, 730.9, 771.1-771.2, 050, 072, 056, 771.0, 045, 138, 323.2, 730.7	B030-B031, B035, B039, B070, B041, B043, B040, B078

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GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Non-communicable diseases	C15-C159, D00.1*C16, D00.2*, D37.1*, C22, D01.5*, D37.6*C32, D02.0*, D38.0*, C33-C34 , D02.1-D02.2*, D38.1*C50, D0.5-D05.9*, D48.6*C53, D06*C54, D07.0, D39.0*C61, D07.5*, D40.0*C18-C21, D01.0-D01.3*, D37.3-D37.5*C00-C08, C11, C09-C10, C12-C13, C23, C24, C25, C43, D03*, D48.5*C44, D04*C56, D39.1*C62, D40.1*C64-C66, D41.0-D41.2*C67, D09.0*, D41.4*C70-C72, D42-D43.9*, D44.3-D44.5*C73, D44.0*C81, C82-C85, C96, C88-C90, C91-C95, C17, C30-C31, C37-C41, C45, C47-C49, C51-C52, C57-C60(except C57.9), C63(except C63.9), C68-C69, C74-C75 (except C75.9), C77-C79, C97, D01.4*, D07.1-D07.4*, D09.1-D09.3*, D37.2*, D37.7*, D38.2-D38.5*, D39.2-D39.7*, D40.7*, D41.7*, D44.1-D44.2*, D44.6-D44.9*, D48.0-D48.4*, D48.7*, D00-D24, D26-D44.2, D44.6-D48.9**I01, I02.0, I05-I09, I20-I25, I60-I63 I65-I67, I69.0, I69.1, I69.2, I69.3, I11, I42, I40, I48, I71, I73, I70.2, I33, I00, I02.9, I27-I28 (except I27.1), I30-I32(except I31.2, I31.3), I34-I39, I47, I70.8, I72, I77-I80, I82-I84, I86-I98, G45, J40-J44, J47, J60-J65, J45-J46, D86.0, D86.2, D86.9, J84, J30-J39, J66-J70(except J69), J82, J92, J93.0, J93.1, J95, J98 (except J98.1, J98.2, J98.3, J98.9)B18, I85, K70, K71.7, K72.1-K72.9, K73-K74, K75.2-K75.9, K76.6-K76.7, K76.9, B18, I85, K70, K71.7, K72.1-K72.9, K73-K74, K75.2-K75.9, K76.6-K76.7, K76.9, K25-K27, K29, K35-K37, K56, K40-K41, K50-K52, K55, K80-K83, K85-K86.9, K00-K01**, K03-K04**, K06-K11**, K12-K13, K14**, K20-K22, K28, K30-K31, K38, K57-K63, K66.8, K760-K765, K768, K77, K90-K92 (except K92.0, K92.1, K92.2, K92.9), F00-F03, G30-G31, G20-G21, G40-G41, G35, G43**, G44**, G06-G08, G10-G12, G23-G25, G36-G37, G47-G58**, G60-G72, G90-G91 (except G91.1, G91.3, G91.8), G93-G98 (except G93.1, G93.2, G93.3, G93.4, G93.5, G93.6), F20-F29, F10, X45, F11, F14, F15, F12, F13, F16, F18-F19, F32**-F33**, F34.1**F30**-F31**F40**-F42**, F43**-F44**F50, F90**, F91**, F92**, F70**-F79**, F70**-F79**, F04-F09, F17, F34-F39 (except F34.1), F45-F48**, F51-F53**, F54-F59, F60-F69**, F80-F84** (except F84.0, F84.5, F84.9), F93-F98**, F88-F89**E10- E13 (except E10.2, E11.2, E12.2, E13.2), N00-N01, E10.2, E11.2, E12.2, E13.2, I12.0, I12.9, I13.1, I13.2, I13.9, N02- N07, N15.0, N10-N12, N15.1-N15.9, N30, N34, N39.0, N20- N23, N40**, N46**, N13, N24-N28, N31-N32, N35-N36, N39.1-N39.9, N41-N45, N47-N50, D25, E28.2, N97**, N80, N81, N94.3, D55-D59, D66-D89 (except D84.9, D86.0, D86.2, D86.9), E03-E07, E15-E34, E65-E67, E70-E85	150, 2301*, 151, 230.2* 235.2*, 155, 235.3*, 161, 231.0*,235.6*162-1629, 231.1*, 231.2*, 231.8*, 235.7*174-175, 233.0*, 238.3*, 239.3*180, 233.1*182, 185, 233.4*, 236.5* 153-154, 230.3-230.6*, 140-145*, 235.0-235.1*, 147, 146, 148, 156, 157, 172, 173, 232*, 238.2*, 183.0, 236.2*, 186, 236.4*, 189.0-189.2, 188, 233.7*, 236.7*, 239.4*, 191-192, 237.0-237.1*, 237.5-237.9*, 239.6*, 193, 201, 200, 202, 203, 204-208, 152, 158, 160, 163-164 ,170-171, 181, 183.2-184.8, 187.0-187.8, 189.3-189.8, 190-190.9, 194, 196-198, 230.7*, 233.5*, 234.0*,234.8*, 235.8*, 236.1*, 237.2-237.4*, 238.0-238.1*, 210-217, 219-231, 236, 238.4-239.2** 390-391, 392.0, 393-398, 410-414, 430-432, 437.2, 433-435, 437.0-437.1, 437.5-437.8, 402, 422, 425, 427.3, 441, 443, 421, 392, 392.9, 416, 416.0, 416.8-417, 420, 423, 423.1-424.9, 427-427.2, 427.6-427.9, 442, 446-451, 453-455, 456.3-459.9, 435, 437.6, 437.7490-492.8, 494, 496, 500-506, 493, 135, 515-516, 470-475, 477-478, 495, 506, 508, 517-519, 70.22-70.23, 070.32-070.33, 070.44-070.49, 070.54-070.59, 456.0-456.2, 571, 572.3-572.8, 573.9070.22-070.23, 070.32-070.33, 070.44-070.49, 070.54-070.59, 456.0-456.2, 571, 572.3-572.8, 573.9, 531-533, 535-535.6, 540-542, 560, 550-551.03, 552-552.03, 553-553.03, 553.9, 555-556, 558-558.9, 557, 574-576, 577-577, 520, 524-527**, 528, 529**, 530, 534, 536-537, 543, 551.1-551.9, 552.1-552.9, 553.1-553.8, 562-566, 569-570, 573-573.2, 579-579.9, 290, 330-331, 332, 345, 340 ,346**, 307.81**, 324-326, 333-337, 341, 357-348**, 349.0-349.8, 350-359, 295, 291, 303, 305.0, E860.0-E860.1, 304.0, 305.5, 304.2, 305.6, 304.4, 305.7, 304.3, 305.2, 292, 304.1, 304.5-304.9, 305.1, 305.3-305.4, 305.8-305.9, 296.2**-296.3**, 300.4**, 311**, 296.0**-296.1**, 296.4**-296.9**, 300.0**, 300.2**-300.3**, 308**, 307.1, 307.5, 314.0**, 317**-319**, 317**-319**, 293-294, 297-298**, 299.1-299.9**, 300.1**, 300.5-300.9**, 301.0-301.1**, 301.3-301.9**, 302**, 306**, 307.0**, 307.2-307.4**, 307.6-307.9**, 309-310**, 312-313**, 314.1-316**, 250.0-250.3, 250.5-250.9, 580, 250.4, 403-404, 581-583, 589, 590, 595, 596.9, 597, 599.0, 599.9, 592, 594, 788.0, 600**, 606**, 591, 593, 596, 598, 599.1-599.8, 601-605, 607, 608 218, 256.4, 628**, 617, 618, 625.4, 282.0-282.1, 282.7-285.8, 282.2-282.3, 282.5-282.6, 282.4, 240-242.9, 244(except 244.2), 245-246, 251-259(except 256.4), 270-273, 275, 277-278, 286-289.9(except 286.6), 740-741, 742.2-742.9, 745-747, 749, 758.0, 758.1-758.9, 742.0-742.1, 743-744, 748, 750-753, 756-757, 759(except759.9), 690-692**, 696**, 681, 682, 680, 683, 684, 686, 707.1, 707.8, 707.9, 133.0**, 110**, 111**, 78**, 706.0**, 706.1**, 704.0**, 698**, 708**, 707, 685, 693, 694, 695, 697, 700**, 701**, 702-706**, 709**, 714, 715**, 722**, 724**, 274**, 710-711, 712-713**, 716, 717-719**, 720-721, 723**, 725-729**, 730.3,730.9, 731-733, 734-736**, 737, 738-739**, 365**, 366**, 362.5**, 367-368**, 378**, 385**, 387**, 389**, 361-362.5**, 362.6-364**, 369**, 360**, 370-377**, 379-380**, 384**, 386, 388**, 521-522**, 523**, 798.0	B090, B091, B095, B100, B101, B113, B120, B124, B093-B094, B096, B111, B112, B123, B125, B126, B130, B155, B140, B149, B141, B092, B109-B110, B119, B121, B156*, B25, B27, B292, B294, B290-B291, B260, B347, B347, B341, B342, B344, B343, B348, B210, B222, B221, B225, B223, B211, B215, B213B18.1, B35.1, B35.3, B35.2, B60, B35.9, B376, B37.4, B440- B444, B446-B449, B430, B433, B230**, B231**

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
	(except E85.3, E85.4, E85.8, E85.9), E88 (except E88.9), E89-E96, D60-D64(except D64.9), Q00, Q03, Q05, Q20-Q28, Q35-Q37, Q90, Q91-Q99 (except Q99.9), Q01-Q02, Q04, Q06-Q18, Q30-Q34, Q38-Q45, Q50-Q89 (except Q89.9)L20**-L28**, L40**-L41**, L03.0, L03.1**, L03.2-L03.9, L00,L01, L02, L04**, L08, L88,L97, L98.0-L98.4**, B66, B35**, B36.0**, B36.1**, B36.2**, B36.3**, B36.8**, B36.9** B00, B07**-B09**L70**L63.0**, L63.1**, L63.8**, L63.9**, L29**, L50**L89, B85**, B87**, B88**, L05.0, L05.9, L10-L13, L28**, L30**, L42**-L44**, L51, L52**-L53**, L55**-L60**, L64**-L68**, L71**-L75**, L80**-L85**, L87, L90**-L92**, L93, L94-L95, M05-M06, M15-M19**, M46.9, M47**, M48.0-M48.2**, M48.8**-M48.9**, M50-M54**, M10**, M00-M02, M08, M11**, M12-M13, M20-M25**,M30-M35,M40**, M41-M46 (except M46.9), M48** (except M48.0, M48.1, M48.2, M48.8, M48.9), M60**,M61-M62, M65-M71**, M72, M75-M79**,M80-M85, M87-M94 , M95-M99**, H40**, H25-H26**, H35.3**, H49-H52**, H90-H91**,H30-H35** (except H35.3), H53-H54**, H00-H21**, H27*, H43-H47**, H55- H61** ,H68-H69** , H71-H83**, H92- H93**, K02**, K05**, R95		
Neoplasms	C15-C159, D00.1*C16, D00,2*, D37.1*, C22, D01.5*, D37.6*C32, D02.0*, D38.0*, C33-C34 , D02.1-D02.2*, D38.1*C50, D0.5-D05.9*, D48.6*C53, D06*C54, D07.0, D39.0*C61, D07.5*, D40.0*C18-C21, D01.0-D01.3*, D37.3-D37.5*C00-C08, C11, C09-C10, C12-C13, C23, C24, C25, C43, D03*, D48.5*C44, D04*C56, D39.1*C62, D40.1*C64-C66, D41.0-D41.2*C67, D09.0*, D41.4*C70-C72, D42-D43.9*, D44.3-D44.5*C73, D44.0*C81, C82-C85, C96, C88-C90, C91-C95, C17, C30-C31, C37-C41, C45, C47-C49, C51-C52, C57-C60(except C57.9), C63(except C63.9), C68-C69, C74-C75 (except C75.9), C77-C79, C97, D01.4*, D07.1-D07.4*, D09.1-D09.3*, D37.2*, D37.7*, D38.2-D38.5*, D39.2-D39.7*, D40.7*, D41.7*, D44.1-D44.2*, D44.6-D44.9*, D48.0-D48.4*, D48.7*, D00-D24, D26-D44.2, D44.6-D48.9**	150, 2301*, 151, 0230.2* , 235.2*, 155, 235.3*, 161, 2310* ,235.6*, 162-162.9, 231.1*, 231.2*, 231.8*, 235.7*, 174-175, 233.0*, 238.3*, 239.3*, 180, 233.1*, 182, 185, 233.4*, 236.5* 153-154, 230.3-230.6*, 140-145*, 235.0-235.1*, 147, 146, 148, 156, 157, 172, 173, 232*, 238.2*, 183.0, 236.2*, 186, 236.4*, 189.0-189.2, 188, 233.7*, 236.7*, 239.4*, 191-192, 237.0-237.1*, 237.5-237.9*, 239.6*, 193, 201, 200, 202, 203, 204-208, 152, 158, 160, 163-164 ,170-171, 181, 183.2-184.8, 187.0-187.8, 189.3-189.8, 190-190.9, 194, 196-198 , 230.7*, 233.5*, 234.0*,234.8*, 235.8*, 236.1* , 237.2-237.4*, 238.0-238.1* , 210-217, 219-231, 236, 238.4-239.2**	B090, B091, B095, B100, B101, B113, B120, B124, B093-B094, B096, B111, B112, B123, B125, B126, B130, B155, B140, B149, B141, B092, B109-B110, B119, B121, B156*
Esophageal cancer	C15-C159, D00.1*	150, 230.1*	B090
Stomach cancer	C16, D00,2*, D37.1*	151, 0230.2* 235.2*	B091
Liver cancer	C22, D01.5*, D37.6*	155, 235.3*	B095

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Liver cancer secondary to hepatitis B			
Liver cancer secondary to hepatitis C			
Liver cancer secondary to alcohol use			
Other liver cancer			
Larynx cancer	C32, D02.0*, D38.0*	161, 231.0*, 235.6*	B100
Trachea, bronchus and lung cancers	C33-C34, D02.1-D02.2*, D38.1*	162-162.9, 231.1*, 231.2*, 231.8*, 235.7*	B101
Breast cancer	C50, D0.5-D05.9*, D48.6*	174-175, 233.0*, 238.3*, 239.3*	B113
Cervical cancer	C53, D06*	180, 233.1*	B120
Uterine cancer	C54, D07.0, D39.0*	182	
Prostate cancer	C61, D07.5*, D40.0*	185, 233.4*, 236.5*	B124
Colon and rectum cancers	C18-C21, D01.0-D01.3*, D37.3-D37.5*	153-154, 230.3-230.6*	B093-B094
Mouth cancer	C00-C08	140-145*, 235.0-235.1*	
Nasopharynx cancer	C11	147	
Cancer of other part of pharynx and oropharynx	C09-C10, C12-C13	146, 148	
Gallbladder and biliary tract cancer	C23, C24	156	
Pancreatic cancer	C25	157	B096
Malignant melanoma of skin	C43, D03*, D48.5*	172	B111
Non-melanoma skin cancer	C44, D04*	173, 232*, 238.2*	B112
Ovarian cancer	C56, D39.1*	183.0, 236.2*	B123
Testicular cancer	C62, D40.1*	186, 236.4*	B125
Kidney and other urinary organ cancers	C64-C66, D41.0-D41.2*	189.0-189.2	
Bladder cancer	C67, D09.0*, D41.4*	188, 233.7*, 236.7*, 239.4*	B126
Brain and nervous system cancers	C70-C72, D42-D43.9*, D44.3-D44.5*	191-192, 237.0-237.1*, 237.5-237.9*, 239.6*	B130, B155
Thyroid cancer	C73, D44.0*	193	
Hodgkin's disease	C81	201	B140
Non-Hodgkin's lymphoma	C82-C85, C96	200, 202	B149
Multiple myeloma	C88-C90	203	
Leukemia	C91-C95	204-208	B141

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Other neoplasms	C17, C30-C31, C37-C41, C45, C47-C49, C51-C52, C57-C60(except C57.9), C63(except C63.9), C68-C69, C74-C75 (except C75.9), C77-C79, C97, D01.4*, D07.1-D07.4*, D09.1-D09.3*, D37.2*, D37.7*, D38.2-D38.5*, D39.2-D39.7*, D40.7*, D41.7*, D44.1-D44.2*, D44.6-D44.9*, D48.0-D48.4*, D48.7*, D00-D24, D26-D44.2, D44.6-D48.9**	152, 158, 160, 163-164 ,170-171, 181, 183.2-184.8, 187.0-187.8, 189.3-189.8, 190-190.9, 194, 196-198, 230.7*, 233.5*, 234.0* 234.8*, 235.8*, 236.1*, 237.2-237.4*, 238.0-238.1*210-217, 219-231, 236, 238.4-239.2**	B092, B109-B110, B119, B121, B156*
Cardiovascular and circulatory diseases	I01, I02.0, I05-I09, I20-I25, I60-I63 I65-I67, I69.0, I69.1, I69.2, I69.3, I11, I42, I40, I48, I71, I73, I70.2, I33, I00, I02.9, I27-I28 (except I27.1), I30-I32(except I31.2, I31.3), I34-I39, I47, I70.8, I72, I77-I80, I82-I84, I86-I98, G45	390-391, 392.0, 393-398, 410-414, 430-432, 437.2, 433-435, 437.0-437.1, 437.5-437.8, 402, 422, 425, 427.3, 441, 443, 421, 392, 392.9, 416, 416.0, 416.8-417, 420, 423, 423.1-424.9, 427-427.2, 427.6-427.9, 442, 446-451, 453-455, 456.3-459.9, 435, 437.6, 437.7	B25, B27, B292, B294, B290-B291, B260
Rheumatic heart disease	I01, I02.0, I05-I09	390-391, 392.0, 393-398	B25
Ischemic heart disease	I20-I25	410-414	B27
Cerebrovascular disease	I60-I63 I65-I67, I69.0, I69.1, I69.2, I69.3	430-432, 437.2, 433-435, 437.0-437.1, 437.5-437.8	B292, B294, B290-B291
Ischemic stroke	I63, I65-I67(except I67.4), I69.3	433-434, 437.0-437.2, 437.5, 437.8	B292, B294
Hemorrhagic and other non-ischemic stroke	I60-I62, I69.0-I69.2, I67.4	430-432, 437.2	B290-B291
Hypertensive heart disease	I11	402	B260
Cardiomyopathy and myocarditis	I42, I40	422, 425	
Atrial fibrillation and flutter	I48	427.3	
Aortic aneurysm	I71	441	
Peripheral vascular disease	I73, I70.2	443	
Endocarditis	I33	421	
Other cardiovascular and circulatory diseases	I00,I02.9,I27-I28 (except I27.1),I30-I32(except I31.2, I31.3), I34-I39, I47, I70.8, I72, I77-I80, I82-I84, I86-I98, G45	392, 392.9, 416, 416.0, 416.8-417, 420, 423, 423.1-424.9, 427-427.2, 427.6-427.9, 442, 446-451, 453-455, 456.3-459.9, 435, 437.6, 437.7	
Chronic respiratory diseases	J40-J44, J47J, 60-J65, J45-J46, D86.0, D86.2, D86.9, J84J30-J39, J66-J70(except J69), J82, J92, J93.0, J93.1, J95, J98 (except J98.1, J98.2, J98.3, J98.9), B18, I85, K70, K71.7, K72.1-K72.9, K73-K74, K75.2-K75.9, K76.6-K76.7, K76.9	490-492.8, 494, 496, 500-506, 493, 135, 515-516, 470-475, 477-478, 495, 506, 508, 517-519, 070.22-070.23, 070.32-070.33, 070.44-070.49, 070.54-070.59, 456.0-456.2, 571, 572.3-572.8, 573.9	B347
Chronic obstructive pulmonary disease	J40-J44, J47	490-492.8, 494, 496	
Pneumoconiosis	J60-J65	500-506	
Asthma	J45-J46	493	

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Interstitial lung disease and pulmonary sarcoidosis	D86.0, D86.2, D86.9, J84	135, 515-516	
Other chronic respiratory diseases	J30-J39, J66-J70(except J69), J82, J92, J93.0, J93.1, J95, J98 (except J98.1, J98.2, J98.3, J98.9)	470-475, 477-478, 495, 506, 508, 517-519	
Cirrhosis of the liver	B18, I85, K70, K71.7, K72.1-K72.9, K73-K74, K75.2-K75.9, K76.6-K76.7, K76.9	070.22-070.23, 070.32-070.33, 070.44-070.49, 070.54-070.59, 456.0-456.2, 571, 572.3-572.8, 573.9	B347
Cirrhosis of the liver secondary to hepatitis B			
Cirrhosis of the liver secondary to hepatitis C			
Cirrhosis of the liver secondary to alcohol use			
Other cirrhosis of the liver			
Digestive diseases (except cirrhosis)	K25-K27, K29, K35-K37, K56, K40-K41, K50-K52, K55, K80-K83, K85-K86.9, K00-K01**, K03-K04**, K06-K11**, K12-K13, K14**, K20-K22, K28, K30-K31, K38, K57-K63, K66.8, K760-K765, K768, K77, K90-K92 (except K92.0, K92.1, K92.2, K92.9)	531-533, 535-535.6, 540-542, 560, 550-551.03, 552-552.03, 553-553.03, 553.9, 555-556, 558-558.9, 557, 574-576, 577-577, 520, 524-527**, 528, 529**, 530, 534, 536-537, 543, 551.1-551.9, 552.1-552.9, 553.1-553.8, 562-566, 569-570, 573-573.2, 579-579.9	B341, B342, B344, B343, B348
Peptic ulcer disease	K25-K27	531-533	B341
Gastritis and duodenitis	K29	535-535.6	
Appendicitis	K35-K37	540-542	B342
Paralytic ileus and intestinal obstruction without hernia	K56	560	B344
Inguinal or femoral hernia	K40-K41	550-551.03, 552-552.03, 553-553.03, 553.9	B343
Noninfective inflammatory bowel disease	K50-K52	555-556, 558-558.9	
Vascular disorders of intestine	K55	557	
Gall bladder and bile duct disease	K80-K83	574-576	B348
Pancreatitis	K85-K86.9	577-577	
Other digestive diseases	K00-K01**, K03-K04**, K06-K11**, K12-K13, K14**, K20-K22, K28, K30-K31, K38, K57-K63, K66.8, K760-K765, K768, K77, K90-K92 (except K92.0, K92.1, K92.2, K92.9)	520, 524-527**, 528, 529**, 530, 534, 536-537, 543, 551.1-551.9, 552.1-552.9, 553.1-553.8, 562-566, 569-570, 573-573.2, 579-579.9	

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Neurological disorders	F00-F03, G30-G31, G20-G21, G40-G41, G35, G43**, G44**, G06-G08, G10-G12, G23-G25, G36-G37, G47- G58**, G60-G72, G90-G91 (except G91.1, G91.3, G91.8), G93-G98 (except G93.1, G93.2, G93.3, G93.4, G93.5, G93.6)	290, 330-331, 332, 345, 340 ,346**, 307.81**, 324-326, 333-337, 341, 357-348**, 349.0-349.8, 350-359	B210, B222, B221, B225, B223
Alzheimer's disease and other dementias	F00-F03, G30-G31	290, 330-331	B210, B222
Parkinson's disease	G20-G21	332	B221
Epilepsy	G40-G41	345	B225
Multiple sclerosis	G35	340	B223
Migraine	G43**	346**	
Tension-type headache	G44**	307.81**	
Other neurological disorders	G06-G08, G10-G12, G23-G25, G36-G37, G47-G58**, G60-G72, G90-G91 (except G91.1, G91.3, G91.8), G93-G98 (except G93.1, G93.2, G93.3, G93.4, G93.5, G93.6)	324-326, 333-337, 341, 357-348**, 349.0-349.8, 350-359	
Mental and behavioral disorders	F20-F29, F10, X45, Q86.0, F11, F14, F15, F12, F13, F16, F18-F19, X41, X42,X49, F32**-F33**, F34.1**F30**-F31**, F40**-F42**, F43**-F44**F50, F90**, F91**-F92**, F70**-F79**, F70**-F79**, F04-F09, F17, F34-F39 (except F34.1), F45-F48**, F51-F53**, F54-F59, F60-F69**, F80- F84** (except F84.0, F84.5, F84.9), F93-F98**, F88-F89**	295, 291, 303, 305.0, E860.0-E860.1, E850.0-E850.2, E850.9, E851.0, E852.0-E852.5, E852.8-E852.9, E853.0-E853.2, E853.8-E853.9, E854.0-E853.3, 304.0, 305.5, 304.2, 305.6, 304.4, 305.7, 304.3, 305.2, 292, 304.1, 304.5-304.9, 305.1, 305.3-305.4, 305.8-305.9, 296.2**-296.3**, 300.4**, 311**, 296.0**-296.1**, 296.4**-296.9**300.0**, 300.2**-300.3**, 308**, 307.1, 307.5, 314.0**, 317**-319**317**-319**, 293-294, 297-298**, 299.1-299.9**, 300.1**, 300.5-300.9**, 301.0-301.1**, 301.3-301.9**, 302**, 306**, 307.0**, 307.2-307.4**, 307.6-307.9**, 309-310**, 312-313**, 314.1-316**	B211, B215, B213
Schizophrenia	F20-F29	295	B211
Alcohol use disorders	F10, X45, Q86.0	291, 303, 305.0, E860.0-E860.1	B215
Drug use disorders	F11, F14, F15, F12, F13, F16, F18-F19, X41, X42, X49	304.0, 305.5, 304.2, 305.6, 304.4, 305.7, 304.3, 305.2, 292, 304.1, 304.5-304.9, 305.1, 305.3-305.4, 305.8-305.9, E850.0-E850.2, E850.9, E851.0, E852.0-E852.5, E852.8-E852.9, E853.0-E853.2, E853.8-E853.9, E854.0-E853.3	
Opioid use disorders	F11	304.0, 305.5	
Cocaine use disorders	F14	304.2, 305.6	
Amphetamine use disorders	F15	304.4, 305.7	
Cannabis use disorders	F12	304.3, 305.2	
Other drug use disorders	F13, F16, F18-F19	292, 304.1, 304.5-304.9, 305.1, 305.3-305.4, 305.8-305.9	
Unipolar depressive disorders	F32**-F33**, F34.1**	296.2**-296.3**, 300.4**, 311**	
Major depressive disorder	F32**-F33**	296.2**-296.3**, 300.4**, 311**	

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Dysthymia	F34.1**		
Bipolar affective disorder	F30**-F31**	296.0**-296.1**, 296.4**-296.9**	
Anxiety disorders	F40**-F42**, F43**-F44**	300.0**, 300.2**-300.3**, 308**	
Eating disorders	F50	307.1, 307.5	
Pervasive development disorders	F84.0**, F84.5**		
Autism	F84.0**		
Asperger's syndrome	F84.5**		
Childhood behavioral disorders	F90**, F91**-F92**, F70**-F79**	314.0**, 317**-319**	
Attention-deficit hyperactivity disorder	F90**	314.0**	
Conduct disorder	F91**-F92**		
Idiopathic intellectual disability	F70**-F79**	317**, -319**	
Other mental and behavioral disorders	F04-F09, F17, F34-F39 (except F34.1), F45-F48**, F51-F53**, F54-F59, F60-F69**, F80-F84** (except F84.0, F84.5, F84.9), F93-F98**, F88-F89**	293-294, 297-298**, 299.1-299.9**, 300.1**, 300.5-300.9**, 301.0-301.1**, 301.3-301.9**, 302**, 306**, 307.0**, 307.2-307.4**, 307.6-307.9**, 309-310**, 312-313**, 314.1-316**	B213
Diabetes, urogenital, blood, and endocrine diseases	E10-E13 (except E10.2, E11.2, E12.2, E13.2), N00-N01, E10.2, E11.2, E12.2, E13.2, I12.0, I12.9, I13.1, I13.2, I13.9, N02-N07, N15.0, N10-N12, N15.1-N15.9, N30, N34, N39.0, N20-N23, N40**, N46**, N13, N24-N28, N31-N32, N35-N36, N39.1-N39.9, N41-N45, N47-N50, D25, E28.2, N97**, N80, N81, N94.3, D55-D59, D66-D89 (except D84.9, D86.0, D86.2, D86.9), E03-E07, E15-E34, E65-E67, E70-E85 (except E85.3, E85.4, E85.8, E85.9), E88 (except E88.9), E89-E96, D60-D64(except D64.9)	250.0-250.3, 250.5-250.9, 580, 250.4, 403-404, 581-583, 589, 590, 595, 596.9, 597, 599.0, 599.9, 592, 594, 788.0, 600**, 606**, 591, 593, 596, 598, 599.1-599.8, 601-605, 607, 608 218, 256.4, 628**617, 618, 625.4, 282.0-282.1, 282.7-285.8, 282.2-282.3, 282.5-282.6, 282.4, 240-242.9, 244(except 244.2), 245-246, 251-259(except 256.4), 270-273, 275, 277-278, 286-289.9(except 286.6)	B18.1, B35.1, B35.3, B35.2, B60, B35.9, B376, B37.4
Diabetes mellitus	E10-E13 (except E10.2, E11.2, E12.2, E13.2)	250.0-250.3, 250.5-250.9	B18.1
Acute glomerulonephritis	N00-N01	580	
Chronic kidney diseases	E10.2, E11.2, E12.2, E13.2, I12.0, I12.9, I13.1, I13.2, I13.9, N02-N07, N15.0	250.4, 403-404, 581-583, 589	
Chronic kidney disease due to diabetes mellitus	E10.2, E11.2, E12.2, E13.2, E14.2	250.4	
Chronic kidney disease due to hypertension	I12.0, I12.9, I13.0, I13.1, I13.2, I13.9	403-404	
Chronic kidney disease unspecified	N02-N07, N15.0	581-583, 589	
Urinary diseases and male infertility	N10-N12, N15.1-N15.9, N30, N34, N39.0N20-N23, N40**, N46**, N13, N24-N28, N31-N32, N35-N36, N39.1-N39.9, N41-N45, N47-N50	590, 595, 596.9, 597, 599.0, 599.9, 592, 594, 788.0, 600**, 606**, 591, 593, 596, 598, 599.1-599.8, 601-605, 607, 608	B35.1, B35.3, B35.2, B60, B35.9

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Tubulointerstitial nephritis, pyelonephritis, and urinary tract infections	N10-N12, N15.1-N15.9, N30, N34, N39.0	590, 595, 596.9, 597, 599.0, 599.9	B35.1, B35.3
Urolithiasis	N20-N23	592, 594, 788.0	B35.2
Benign prostatic hyperplasia	N40**	600**	B60
Male infertility	N46**	606**	
Other urinary diseases	N13, N24-N28, N31-N32, N35-N36, N39.1-N39.9, N41-N45, N47-N50	591, 593, 596, 598, 599.1-599.8, 601-605, 607, 608	B35.9
Gynecological diseases	D25, E28.2, N97**, N80, N81, N94.3	218, 256.4, 628**, 617, 618, 625.4	B376, B37.4
Uterine fibroids	D25	218	
Polycystic ovarian syndrome	E28.2	256.4	
Female infertility	N97**	628**	B376
Endometriosis	N80	617	
Genital prolapse	N81	618	B37.4
Premenstrual syndrome	N94.3	625.4	
Other gynecological diseases	N60**, N61-N64, N75-N76, N82-N83, N84**-N92, N93-N94(Except N94.3), N98, N46**	610**, 611, 616.5-616.9, 619-624, 625.0-625.3**, 625.5-625.9** 626-627**, 629	
Hemoglobinopathies and hemolytic anemias	D55-D59	282.0-282.1, 282.7-285.8, 282.2-282.3, 282.5-282.6, 282.4	
Thalassemias	D56	282.4	
Sickle cell disorders	D57	282.5-282.6	
G6PD deficiency	D55	282.2-282.3	
Other hemoglobinopathies and hemolytic anemias	D58-D64.8	282.0-282.1, 282.7-285.8	
Other endocrine, nutritional, blood, and immune disorders	D66-D89 (except D84.9, D86.0, D86.2, D86.9), E03-E07, E15-E34, E65-E67, E70-E85 (except E85.3, E85.4, E85.8, E85.9), E88 (except E88.9), E89-E96, D60-D64(except D64.9)	240-242.9, 244(except 244.2), 245-246, 251-259(except 256.4), 270-273, 275, 277-278, 286-289.9(except 286.6)	
Musculoskeletal disorders	M05-M06, M15-M19**, M46.9, M47**, M48.0-M48.2**, M48.8**-M48.9**, M50-M54**, M10**, M00-M02, M08, M11**, M12-M13, M20-M25**, M30-M35, M40**, M41-M46 (except M46.9), M48** (except M48.0, M48.1, M48.2, M48.8, M48.9), M60**, M61-M62, M65-M71**, M72, M75-M79**, M80-M85, M87-M94, M95-M99**	714, 715**, 722**, 724**, 274**, 710-711, 712-713**, 716, 717-719**, 720-721, 723**, 725-729**, 730.3, 730.9, 731-733, 734-736**, 737, 738-739**	B430, B433
Rheumatoid arthritis	M05-M06	714	B430
Osteoarthritis	M15-M19**	715**	

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Low back and neck pain	M46.9, M47** , M48.0-M48.2**, M48.8**-M48.9**, M50-M54**	722**-724**	
Low back pain	M46.9, M47**, M48.0-M48.2**,M48.8**-M48.9**, M51-M54**(except M53.1** ,M53.2**)	722**, 724**	
Neck pain	M50**, M53.1** ,M53.2**	723**,	
Gout	M10**	274**	
Other musculoskeletal disorders	M00-M02, M08, M11** ,M12-M13, M20-M25**,M30-M35,M40**, M41-M46 (except M46.9), M48** (except M48.0, M48.1, M48.2, M48.8, M48.9), M60**, M61-M62, M65-M71**, M72, M75-M79**, M80-M85, M87-M94, M95-M99**	710-711, 712-713**,716, 717-719**, 720-721, 725-729**, 730.3, 730.9, 731-733, 734-736**, 737, 738-739**	B433
Other non-communicable diseases	Q00, Q03, Q05, Q20-Q28, Q35-Q37, Q90, Q91-Q99 (except Q99.9), Q01-Q02, Q04, Q06-Q18, Q30-Q34, Q38-Q45, Q50-Q89 (except Q89.9)L20**-L28**, L40**-L41**, L03.0, L03.1**, L03.2-L03.9, L00, L01, L02, L04**, L08, L88,L97, L98.0-L98.4**, B66, B35**, B36.0**, B36.1**, B36.2**, B36.3**, B36.8**, B36.9** B00, B07**- B09**, L70**, L63.0**, L63.1**, L63.8**, L63.9**, L29**, L50**, L89, B85**, B87**, B88**, L05.0, L05.9, L10-L13, L28**, L30**, L42**-L44**, L51, L52**-L53**, L55**- L60**, L64**-L68**, L71**-L75**, L80**-L85**, L87, L90**-L92**, L93, L94-L95, H40**, H25- H26**,H35.3**,H49-H52**, H90-H91**, H30-H35** (except H35.3), H53-H54**, H00-H21**, H27*, H43-H47**, H55- H61**, H68-H69** , H71-H83**, H92-H93**, K02**, K05**, R95	740-741, 742.2-742.9, 745-747, 749, 758.0, 758.1-758.9, 742.0-742.1, 743-744, 748, 750-753, 756-757, 759(except759.9), 690-692**, 696**, 681, 682, 680,683, 684, 686, 707.1, 707.8, 707.9, 133.0**, 110**, 111**, 078**, 706.0**, 706.1**, 704.0**, 698**, 708**, 707, 685, 693, 694, 695, 697, 700**, 701**, 702-706**, 709**, 365**, 366**, 362.5**, 367-368**, 378**, 385**, 387**, 389**, 361-362.5**, 362.6-364**, 369**, 360**, 370-377**, 379-380**, 384**, 386, 388**, 521-522**,523**, 798.0	B440-B444, B446-B449, B230**, B231**
Congenital anomalies	Q00, Q03, Q05, Q20-Q28, Q35-Q37, Q90, Q91-Q99 (except Q99.9), Q01-Q02, Q04, Q06-Q18, Q30-Q34, Q38-Q45, Q50-Q89 (except Q89.9)	740-741, 742.2-742.9, 745-747, 749, 758.0, 758.1-758.9, 742.0-742.1, 743-744, 748, 750-753, 756-757, 759(except759.9)	B440-B444, B446-B449
Neural tube defects	Q00, Q01, Q05	740-741, 742.0,742.2, 742.4-742.8	B440-B441
Congenital heart anomalies	Q20-Q28	745-747	B442
Cleft lip and cleft palate	Q35-Q37	749	B443
Down's syndrome	Q90	758.0	
Other chromosomal abnormalities	Q91-Q99 (except Q99.9)	758.1-758.9	
Other congenital anomalies	Q01-Q03, Q04, Q06-Q18, Q30-Q34, Q38-Q45, Q50-Q89 (except Q89.9)	742.1, 742.3,742.9, 743-744, 748, 750-753, 756-757, 759(except759.9)	B444, B446-B449

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Skin and subcutaneous diseases	L20**-L28**, L40**-L41**, L03.0, L03.1**, L03.2-L03.9, L00,L01, L02, L04**, L08, L88,L97, L98.0-L98.4**, B66, B35**, B36.0**, B36.1**, B36.2**, B36.3**, B36.8**, B36.9** B00, B07**-B09**L70**L63.0**, L63.1**, L63.8**, L63.9**, L29**, L50**L89, B85**, B87**,B88**, L05.0, L05.9, L10-L13, L28**, L30**, L42**-L44**, L51, L52**-L53**, L55**-L60**, L64**-L68**, L71**-L75**, L80**-L85**, L87, L90**-L92**, L93, L94-L95	690-692**, 696**, 681, 682, 680,683, 684, 686, 707.1, 707.8, 707.9, 133.0**, 110**, 111**, 78**, 706.0**, 706.1**, 704.0**, 698**, 708**, 707, 685, 693, 694, 695, 697, 700**, 701**, 702-706**, 709**	B42
Eczema	L20**-L28**	690-692**	
Psoriasis	L40**-L41**	696**	
Cellulitis	L03.0, L03.1**, L03.2-L03.9	681, 682	
Abscess, impetigo, and other bacterial skin diseases	L00, L01, L02, L04**, L08, L88, L97, L98.0-L98.4**	680, 683, 684, 686, 707.1, 707.8, 707.9	
Scabies	B66**	133.0**	
Fungal skin diseases	B35**, B36.0**, B36.1**, B36.2**, B36.3**, B36.8**, B36.9**	110**, 111**	
Viral skin diseases	B00, B07**-B09**	78**	
Acne vulgaris	L70**	706.0**, 706.1**	
Alopecia areata	L63.0**, L63.1**, L63.8**, L63.9**,	704.0**	
Pruritus	L29**	698**	
Urticaria	L50**	708**	
Decubitus ulcer	L89	707	
Other skin and subcutaneous diseases	B85**, B87**,B88**, L05.0, L05.9, L10-L13, L28**, L30**, L42**-L44**, L51, L52**-L53**, L55**-L60**, L64**-L68**, L71**-L75**, L80**-L85**, L87, L90**-L92**, L93, L94-L95	685, 693, 694, 695, 697, 700**, 701**, 702-706**, 709**	
Sense organ diseases	H40**, H25-H26**, H35.3**,H49-H52**, H90-H91**, H30-H35** (except H35.3), H53-H54**, H00-H21**, H27*, H43-H47**, H55-H61**, H68-H69**, H71-H83**, H92-H93**	365**, 366**, 362.5**, 367-368**, 378**, 385**, 387**, 389**, 361-362.5**, 362.6-364**, 369**, 360**, 370-377**, 379-380**, 384**, 386, 388**	B230**, B231**
Glaucoma	H40**	365**	B230**
Cataracts	H25-H26**	366**	B231**
Macular degeneration	H35.3**	362.5**	
Refraction and accommodation disorders	H49-H52**	367-368**, 378**	
Other hearing loss	H90-H91**	385**, 387**, 389**	
Other vision loss	H30-H35** (except H35.3), H53-H54**	361-362.5**, 362.6-364**, 369**	

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Other sense organ diseases	H00-H21**, H27*, H43-H47**, H55-H61**, H68-H69** , H71-H83**, H92-H93**	360**, 370-377**, 379-380**, 384**, 386, 388**	
Oral disorders	K02**, K05**	521-522**, 523**	
Dental caries	K02**	521-522**	
Periodontal disease	K05**	523**	
Edentulism	No ICD code**	No ICD code**	
Sudden infant death syndrome	R95	798.0	

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Injuries	V01-V04, V06,V09, V10-V19, V20-V29, Y85.0, V30-V79, V87.2-V87.3, V80, V82 V05,V81, V83-V86, V88.2, V88.3 , V91, V93-V98W00-W19, V90, V92, W65-W74, X00-X19, X46-X47, X48, X40, X43-X44 W32-W34, W24-W31, W45-W46, Y40-Y84, Y88, X20-X29 , W53-W64, W21, W39, W44, W49-W52, W75-W99, X50-X58, X70, X76-X77, X72-X74, X68, X71, X75, X78-X83, X60-X67, X69, X93-X95, X99, X85-X92, X96-X98, Y00-Y08, X30-X39,Y36, Y89.1,Y35, Y89.0	E811.7, E812.7, E813.7, E814.7, E815.7, E816.7, E817.7, E818.7, E819.7, E822.7, E823.7, E824.7, E825.7, E826.0, E827.0, E828.0, E829.0, E800.3, E801.3, E802.3, E803.3, E804.3, E805.3, E806.3, E810.6, E811.6, E812.6, E813.6, E814.6, E815.6, E816.6, E817.6, E818.6, E819.6, E820.6, E821.6, E822.6, E823.6, E824.6, E825.6, E826.1 E810.2-E810.3, E811.2-E811.3, E812.2-E812.3, E813.2-E813.3, E814.2-E814.3, E815.2-E815.3, E816.2-E816.3, E817.2-E817.3, E818.2-E818.3, E819.2-E819.3, E820.2-E820.3, E821.2-E821.3, E822.2-E822.3, E823.2-E823.3, E824.2-E824.3, E825.2-E825.3 E810.0-E810.1, E811.0-E811.1, E812.0-E812.1, E813.0-E813.1, E814.0-E814.1, E815.0-E815.1, E816.0-E816.1, E817.0-E817.1, E818.0-E818.1, E819.0-E819.1, E820.0-E820.1, E821.0-E821.1, E822.0-E822.1, E823.0-E823.1, E824.0-E824.1, E825.0-E825.1 E810.4, E810.5, E811.4, E811.5, E812.4, E812.5, E813.4, E813.5, E814.4, E814.5, E815.4, E815.5, E816.4, E816.5, E817.4, E817.5, E818.4, E818.5, E819.4, E819.5, E820.4, E820.5, E821.4, E821.5, E822.4, E822.5, E823.4, E823.5, E824.4, E824.5, E825.4, E825.5, E826.3, E826.4, E827.3, E827.4, E828.4, E829.4E800.0, E800.1, E800.2, E801.0, E801.1, E801.2, E802.0, E802.1, E802.2, E803.0, E803.1, E803.2, E804.0, E804.1, E804.2, E805.0, E805.1, E805.2, E806.0, E806.2, E806.1, E807.0, E807.1, E807.2, E810.7, E820.7, E821.7, E826.2, E827.2, E828.2 E831.0, E831.1, E831.2 ,E831.3, E831.4 ,E831.5 ,E831.6, E831.8E 831.9 E833.1, E833.0, E833.2, E833.4 ,E833.3, E833.5, E833.6, E833.8, E834.0, E833.9, E834.1, E834.2 E834.3, E834.4, E834.5 E834.6, E834.8, E835.0, E834.9, E835.1, E835.2 ,E835.3, E835.4, E835.6, E835.8, E835.5, E835.9, E836.0, E836.1, E836.2, E836.3, E836.4, E836.6, E836.5, E836.8, E837.0, E837.1, E837.2, E837.3, E837.4, E837.5, E837.6, E837.8, E837.9, E838.0, E838.1, E838.2, E838.3, E838.4, E838.5, E838.6, E838.8 E838.9, E840.0, E840.1, E840.2, E840.4, E840.6, E840.3, E840.5, E840.7, E840.8, E840.9, E841.0, E841.1, E841.2, E841.3, E841.4, E841.5, E841.7 E841.6, E841.8, E841.9, E842.6, E842.7, E842.8, E842.9, E843.0, E843.1 E843.2, E843.3, E843.4, E843.5, E843.7, E843.6, E843.8, E843.9, E844.0, E844.1, E844.2, E844.3, E844.5, E844.4, E844.6, E844.7, E844.9, E845.0, E845.9, E846, E847, E848, E880-E886, E888, E830, E832, E910, E890-E899, E924, E862, E867-E869, E863, E850.3-E850.8, E855-E858, E860.2-E861.9, E864-E866.9, E922, E916, E918-E921, E923, E928.1-E928.2, E870-E879, E930-E949, E905, E906, E900.1, E901.1, E902-E903, E904,1-E904.9, E911-E915, E917, E925-E927, E928.0, E928.8, E953, E958.1, E955- E955.4, E955.9, E950, E951-E952, E954, E955.5, E956-E958.0, E958.2- E959, E965.0-E965.4, E966, E904.0-E904.9, E960-E964, E965.5-E965.9, E967-E969, E900.0, E900.9, E901.0, E901.8-E901.9, E907-E909, E990- E999, E970-E978	B471-B472, B470, B473-B474, B50, B521, B51, B480-B482, B523-B524, B49, B53, B54, B55, B561

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Transport injuries	V01-V04, V06,V09, V10-V19, V20-V29, Y85.0, V30-V79, V87.2-V87.3, V80, V82, V05,V81, V83-V86, V88.2, V88.3 , V91, V93-V98	E811.7, E812.7, E813.7, E814.7, E815.7, E816.7, E817.7, E818.7, E819.7, E822.7, E823.7, E824.7, E825.7, E826.0, E827.0, E828.0, E829.0 E800.3, E801.3, E802.3, E803.3, E804.3, E805.3, E806.3, E810.6, E811.6, E812.6, E813.6, E814.6, E815.6, E816.6, E817.6, E818.6, E819.6, E820.6, E821.6, E822.6, E823.6, E824.6, E825.6, E826.1 E810.2-E810.3, E811.2-E811.3, E812.2-E812.3, E813.2-E813.3, E814.2-E814.3, E815.2-E815.3, E816.2-E816.3, E817.2-E817.3, E818.2-E818.3, E819.2-E819.3, E820.2-E820.3, E821.2-E821.3, E822.2-E822.3, E823.2-E823.3, E824.2-E824.3, E825.2-E825.3 E810.0-E810.1, E811.0-E811.1, E812.0-E812.1, E813.0-E813.1, E814.0-E814.1, E815.0-E815.1, E816.0-E816.1, E817.0-E817.1, E818.0-E818.1, E819.0-E819.1, E820.0-E820.1, E821.0-E821.1, E822.0-E822.1, E823.0-E823.1, E824.0-E824.1, E825.0-E825.1 E810.4, E810.5, E811.4, E811.5, E812.4, E812.5, E813.4, E813.5, E814.4, E814.5, E815.4, E815.5, E816.4, E816.5, E817.4, E817.5, E818.4, E818.5, E819.4, E819.5, E820.4, E820.5, E821.4, E821.5, E822.4, E822.5, E823.4, E823.5, E824.4, E824.5, E825.4, E825.5, E826.3, E826.4, E827.3, E827.4, E828.4, E829.4E800.0, E800.1, E800.2, E801.0, E801.1, E801.2, E802.0, E802.1, E802.2, E803.0, E803.1, E803.2, E804.0, E804.1, E804.2, E805.0, E805.1, E805.2, E806.0, E806.2, E806.1, E807.0, E807.1, E807.2, E810.7, E820.7, E821.7, E826.2, E827.2, E828.2, E831.0, E831.1, E831.2, E831.3, E831.4, E831.5, E831.6, E831.8, E831.9, E833.1, E833.0, E833.2, E833.4, E833.3, E833.5, E833.6, E833.8, E834.0, E833.9, E834.1, E834.2, E834.3, E834.4, E834.5, E834.6, E834.8, E835.0, E834.9, E835.1, E835.2, E835.3, E835.4, E835.6, E835.8, E835.5, E835.9, E836.0, E836.1, E836.2, E836.3, E836.4, E836.6, E836.5, E836.8, E837.0, E837.1, E837.2, E837.3, E837.4, E837.5, E837.6, E837.8, E837.9, E838.0, E838.1, E838.2, E838.3, E838.4, E838.5, E838.6, E838.8, E838.9, E840.0, E840.1, E840.2, E840.4, E840.6, E840.3, E840.5, E840.7, E840.8, E840.9, E841.0, E841.1, E841.2, E841.3, E841.4, E841.5, E841.7, E841.6, E841.8, E841.9, E842.6, E842.7, E842.8, E842.9, E843.0, E843.1, E843.2, E843.3, E843.4, E843.5, E843.7, E843.6, E843.8, E843.9, E844.0, E844.1 E844.2, E844.3, E844.5, E844.4, E844.6, E844.7, E844.9, E845.0	B471-B472, B470, B473-B474

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Road injury	V01-V04, V06, V09, V10-V19, V20-V29, Y85.0, V30-V79, V87.2-V87.3, V80, V82	E811.7, E812.7, E813.7, E814.7, E815.7, E816.7, E817.7, E818.7, E819.7, E822.7, E823.7, E824.7, E825.7, E826.0, E827.0, E828.0, E829.0 E800.3, E801.3, E802.3, E803.3, E804.3, E805.3, E806.3, E810.6, E811.6, E812.6, E813.6, E814.6, E815.6, E816.6, E817.6, E818.6, E819.6, E820.6, E821.6, E822.6, E823.6, E824.6, E825.6, E826.1 E810.2-E810.3, E811.2-E811.3, E812.2-E812.3, E813.2-E813.3, E814.2-E814.3, E815.2-E815.3, E816.2-E816.3, E817.2-E817.3, E818.2-E818.3, E819.2-E819.3, E820.2-E820.3, E821.2-E821.3, E822.2-E822.3, E823.2-E823.3, E824.2-E824.3, E825.2-E825.3 E810.0-E810.1, E811.0-E811.1, E812.0-E812.1, E813.0-E813.1, E814.0-E814.1, E815.0-E815.1, E816.0-E816.1, E817.0-E817.1, E818.0-E818.1, E819.0-E819.1, E820.0-E820.1, E821.0-E821.1, E822.0-E822.1, E823.0-E823.1, E824.0-E824.1, E825.0-E825.1 E810.4, E810.5, E811.4, E811.5, E812.4, E812.5, E813.4, E813.5, E814.4, E814.5, E815.4, E815.5, E816.4, E816.5, E817.4, E817.5, E818.4, E818.5, E819.4, E819.5, E820.4, E820.5, E821.4, E821.5, E822.4, E822.5, E823.4, E823.5, E824.4, E824.5, E825.4, E825.5, E826.3, E826.4, E827.3, E827.4, E828.4, E829.4	B471-B472
Pedestrian injury by road vehicle	V01-V04, V06, V09	E811.7, E812.7, E813.7, E814.7, E815.7, E816.7, E817.7, E818.7, E819.7, E822.7, E823.7, E824.7, E825.7, E826.0, E827.0, E828.0, E829.0	
Pedal cycle vehicle	V10-V19	E800.3, E801.3, E802.3, E803.3, E804.3, E805.3, E806.3, E810.6, E811.6, E812.6, E813.6, E814.6, E815.6, E816.6, E817.6, E818.6, E819.6, E820.6, E821.6, E822.6, E823.6, E824.6, E825.6, E826.1	
Motorized vehicle with two wheels	V20-V29	E810.2-E810.3, E811.2-E811.3, E812.2-E812.3, E813.2-E813.3, E814.2-E814.3, E815.2-E815.3, E816.2-E816.3, E817.2-E817.3, E818.2-E818.3, E819.2-E819.3, E820.2-E820.3, E821.2-E821.3, E822.2-E822.3, E823.2-E823.3, E824.2-E824.3, E825.2-E825.3	
Motorized vehicle with three or more wheels	V30-V79, V87.2-V87.3	E810.0-E810.1, E811.0-E811.1, E812.0-E812.1, E813.0-E813.1, E814.0-E814.1, E815.0-E815.1, E816.0-E816.1, E817.0-E817.1, E818.0-E818.1, E819.0-E819.1, E820.0-E820.1, E821.0-E821.1, E822.0-E822.1, E823.0-E823.1, E824.0-E824.1, E825.0-E825.1	
Road injury other	V80, V82	E810.4, E810.5, E811.4, E811.5, E812.4, E812.5, E813.4, E813.5, E814.4, E814.5, E815.4, E815.5, E816.4, E816.5, E817.4, E817.5, E818.4, E818.5, E819.4, E819.5, E820.4, E820.5, E821.4, E821.5, E822.4, E822.5, E823.4, E823.5, E824.4, E824.5, E825.4, E825.5, E826.3, E826.4, E827.3, E827.4, E828.4, E829.4	

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Other transport injury	V05,V81, V83-V86, V88.2, V88.3 , V91, V93-V98	E800.0, E800.1, E800.2, E801.0, E801.1, E801.2, E802.0, E802.1, E802.2, E803.0, E803.1, E803.2, E804.0, E804.1, E804.2, E805.0, E805.1, E805.2, E806.0, E806.2, E806.1, E807.0, E807.1, E807.2, E810.7, E820.7, E821.7, E826.2, E827.2, E828.2, E831.0, E831.1, E831.2 ,E831.3, E831.4, E831.5, E831.6, E831.8, E831.9, E833.1, E833.0, E833.2, E833.4, E833.3, E833.5, E833.6, E833.8, E834.0, E833.9 E834.1 E834.2 E834.3 E834.4, E834.5, E834.6, E834.8, E835.0, E834.9, E835.1, E835.2, E835.3, E835.4, E835.6, E835.8, E835.5, E835.9, E836.0, E836.1, E836.2, E836.3, E836.4, E836.6, E836.5, E836.8, E837.0, E837.1, E837.2, E837.3, E837.4, E837.5, E837.6, E837.8, E837.9, E838.0, E838.1, E838.2, E838.3, E838.4, E838.5, E838.6, E838.8, E838.9, E840.0, E840.1, E840.2, E840.4, E840.6, E840.3, E840.5, E840.7, E840.8, E840.9, E841.0, E841.1, E841.2, E841.3, E841.4, E841.5, E841.7, E841.6, E841.8, E841.9, E842.6, E842.7, E842.8, E842.9, E843.0, E843.1, E843.2, E843.3, E843.4, E843.5, E843.7, E843.6, E843.8, E843.9, E844.0, E844.1, E844.2, E844.3, E844.5, E844.4, E844.6, E844.7, E844.9, E845.0, E845.9, E846, E847, E848	B470, B473-B474
Unintentional injuries other than transport injuries	W00-W19, V90, V92, W65-W74, X00-X19, X46-X47, X48, X40, X43-X44 W32-W34, W24-W31, W45-W46, Y40-Y84, Y88, X20-X29 W53-W64, W21, W39, W44, W49-W52, W75-W99, X50-X58	E880-E886, E888, E830, E832, E910, E890-E899, E924, E862, E867-E869, E863, E850.3-E850.8, E855-E858, E860.2-E861.9, E864-E866.9, E922, E916, E918-E921, E923, E928.1-E928.2, E870-E879, E930-E949, E905, E906, E900.1, E901.1, E902-E903, E904.1-E904.9, E911-E915, E917, E925-E927, E928.0, E928.8	B50, B521, B51, B480-B482, B523-B524, B49, B53
Falls	W00-W19	E880-E886, E888	B50
Drowning	V90, V92, W65-W74	E830, E832, E910	B521
Fire, heat and hot substances	X00-X19	E890-E899, E924	B51
Poisonings	X46-X47, X48, X40, X43-X44	E862, E867-E869, E863, E850.3-E850.8, E855-E858, E860.2-E861.9, E864-E866.9	B480-B482
Exposure to mechanical forces	W32-W34, W24-W31, W45-W46	E922, E916, E918-E921, E923, E928.1-E928.2	B523-B524
Mechanical forces (firearm)	W32-W34	E922	B524
Mechanical forces (other)	W24-W31, W45-W46	E916, E918-E921, E923, E928.1-E928.2	B523
Adverse effects of medical treatment	Y40-Y84, Y88	E870-E879, E930-E949	B49, B53
Animal contact	X20-X29, W53-W64	E905, E906	
Animal contact (venomous)	X20-X29	E905	
Animal contact (non-venomous)	W53-W64	E906	
Unintentional injuries not classified elsewhere	W21, W39, W44, W49-W52, W75-W99, X50-X58	E900.1, E901.1, E902-E903, E904.1-E904.9, E911-E915, E917, E925-E927, E928.0, E928.8	

Web Table 3 - List of International Classification of Diseases codes mapped to the Global Burden of Disease cause list

GBD Name	ICD10 Code	ICD9 Code	ICD9 BTL Code
Self-harm and interpersonal violence	X70, X76-X77, X72-X74, X68, X71, X75, X78-X83, X60-X67, X69, X93-X95, X99, X85-X92, X96-X98, Y00-Y08	E953, E958.1, E955-E955.4, E955.9, E950, E951-E952, E954, E955.5, E956-E958.0, E958.2-E959, E965.0-E965.4, E966, E904.0-E9040.9, E960-E964, E965.5-E965.9, E967-E969	B54, B55
Self-harm	X70, X76-X77, X72-X74, X68, X71, X75, X78-X83, X60-X67, X69	E953, E958.1, E955-E955.4, E955.9, E950, E951-E952, E954, E955.5, E956-E958.0, E958.2-E959	B54
Interpersonal violence	X93-X95, X99X, 85-X92, X96-X98, Y00-Y08	E965.0-E965.4, E966, E904.0-E9040.9, E960-E964, E965.5-E965.9, E967-E969	B55
Assault by firearm	X93-X95	E965.0-E965.4	
Assault by sharp object	X99	E966	
Assault by other means	X85-X92, X96-X98, Y00-Y08	E904.0-E9040.9, E960-E964, E965.5-E965.9, E967-E969	
Forces of nature, war, and legal intervention	X30-X39, Y36, Y89.1, Y35, Y89.0	E900.0, E900.9, E901.0, E901.8-E901.9, E907-E909, E990-E999, E970-E978	B561
Exposure to forces of nature	X30-X39	E900.0, E900.9, E901.0, E901.8-E901.9, E907-E909	
Collective violence and legal intervention	Y36, Y89.1, Y35, Y89.0	E990-E999, E970-E978	B561

* These codes have been used just for calculation of mortality (YLL)

** These codes have been used just for calculation of non-fatal outcomes (YLD)

*** These codes are just usable for hospital data from the US