**Higher-Intensity Neurologic Impairment (HI-NI) Categories and Diseases**

*(From \*\*\*Placeholder for reference to journal citation\*\*\*)*

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| **NI Category and Specific Diseases** | **ICD-10 Codes** |
| **Static** |  |
| *Cerebral Palsy and Hypoxic Ischemic Encephalopathy:*  Spastic quadriplegic, diplegic, or hemiplegic cerebral palsy; Athetoid cerebral palsy; Ataxic cerebral palsy; Other and unspecified cerebral palsy; Neonatal cerebral ischemia; Acquired periventricular cysts of newborn; Neonatal cerebral leukomalacia; Hypoxic ischemic encephalopathy [HIE] (unspecified, mild, moderate, severe) | G80, G800, G801, G802, G803, G804, G808, G809, P910, P911, P912, P916, P9160, P9161, P9162, P9163 |
| *Encephalopathy*:  Toxic encephalopathy; Metabolic encephalopathy; Other and unspecified encephalopathy; Reye's syndrome; Brain death; Kernicterus; Neonatal coma; Neonatal encephalopathy in diseases classified elsewhere or unspecified; Persistent vegetative state | G92, G93, G934, G9340, G9341, G9349, G937, G9382, P57, P570, P578, P579, P915, P9181, P91811, P91819, R403 |
| *Sequelae of Asphyxia and Drowning:*  Anoxic brain damage, not elsewhere classified; Asphyxiation due to smothering under pillow [accidental, intentional self-harm, assault, undetermined], sequela; Asphyxiation due to plastic bag [accidental, intentional self-harm, assault, undetermined], sequela; Asphyxiation due to being trapped in bed linens [accidental, intentional self-harm, assault, undetermined], accidental, sequela; Asphyxiation due to smothering under another person's body (in bed), [accidental, assault, undetermined], sequela; Asphyxiation due to smothering in furniture, [accidental, intentional self-harm, assault, undetermined], sequela; Asphyxiation due to hanging, [accidental, intentional self-harm, assault, undetermined], sequela; Asphyxiation due to mechanical threat to breathing due to other causes, [accidental, intentional self-harm, assault, undetermined], sequela; Asphyxiation due to systemic oxygen deficiency due to low oxygen content in ambient air due to unspecified cause, sequela; Asphyxiation due to cave-in or falling earth, sequela; Asphyxiation due to being trapped in a car trunk, [accidental, intentional self-harm, assault, undetermined], sequela; Asphyxiation due to being trapped in a (discarded) refrigerator, [accidental, intentional self-harm, assault, undetermined], sequela; Asphyxiation due to being trapped in other low oxygen environment, sequela; Asphyxiation due to unspecified cause, sequela; Shaken infant syndrome, sequela; Unspecified effects of drowning and nonfatal submersion, sequela; Drowning and submersion due to fall off [merchant ship, passenger ship, fishing boat, other powered watercraft, sailboat, canoe or kayak, (nonpowered) inflatable craft, water-skis, other unpowered watercraft, unspecified watercraft] sequela; Drowning and submersion due to being thrown overboard by motion of [merchant ship, passenger ship, fishing boat, other powered watercraft, sailboat, canoe or kayak, (nonpowered) inflatable craft, unspecified watercraft], sequela; Drowning and submersion due to being washed overboard from [merchant ship, passenger ship, fishing boat, other powered watercraft, sailboat, canoe or kayak, (nonpowered) inflatable craft, water-skis, other unpowered water craft, unspecified watercraft], sequela; Accidental drowning and submersion while in [bath-tub, swimming-pool, natural water], sequela; Other specified cause of accidental non-transport drowning and submersion, sequela; Unspecified cause of accidental drowning and submersion, sequela; Intentional self-harm by drowning and submersion [while in bathtub or swimming pool, after jump into swimming pool, in natural water, other, unspecified] sequela; Assault by drowning and submersion [while in bathtub or swimming pool, after push into swimming pool, in natural water, other, unspecified], sequela; Drowning and submersion [while in or after fall into bathtub, while in or after call into swimming pool, in natural water, other, unspecified], undetermined intent, sequela | G931, T71111S, T71112S, T71113S, T71114S, T71121S, T71122S, T71123S, T71124S, T71131S, T71132S, T71133S, T71134S, T71141S, T71143S, T71144S, T71151S, T71152S, T71153S, T71154S, T71161S, T71162S, T71163S, T71164S,  T71191S, T71192S, T71193S, T71194S, T7120XS, T7121XS, T71221S, T71222S, T71223S, T71224S, T71231S, T71232S, T71233S, T71234S, T7129XS, T719XXS, T744XXS, T751XXS, V9200XS, V9201XS, V9202XS, V9203XS, V9204XS, V9205XS, V9206XS, V9207XS, V9208XS, V9209XS, V9210XS, V9211XS, V9212XS, V9213XS, V9214XS, V9215XS, V9216XS, V9219XS, V9220XS, V9221XS, V9222XS, V9223XS, V9224XS, V9225XS, V9226XS, V9227XS, V9228XS, V9229XS, W65XXXS, W67XXXS, W69XXXS, W73XXXS, W74XXXS, X710XXS, X711XXS, X712XXS, X713XXS, X718XXS, X719XXS, X920XXS, X921XXS, X922XXS, X923XXS, X928XXS, X929XXS, Y210XXS, Y211XXS, Y212XXS, Y213XXS, Y214XXS, Y218XXS, Y219XXS |
| *Congenital Infections:*  Congenital syphilis; Early congenital syphilis, symptomatic; Late congenital neurosyphilis [juvenile neurosyphilis]; Late congenital neurosyphilis, unspecified; Late congenital syphilitic meningitis, encephalitis, or polyneuropathy; Juvenile general paresis; Other late congenital neurosyphilis (symptomatic); Late congenital syphilis, latent or unspecified; Zika virus disease; Congenital rubella syndrome; Congenital cytomegalovirus infection; Congenital herpesviral [herpes simplex] infection | A50, A500, A5009, A504, A5040, A5041, A5042, A5043, A5045, A5049, A505, A5059, A506, A507, A925, P350, P351, P352 |
| **Anatomic** |  |
| *Brain and/or Spinal Cord Abnormalities*:  Cerebral cysts; Compression of brain; Cerebral edema; Temporal sclerosis; Other specified and unspecified disorders of brain; Other disorders of brain diseases classified elsewhere; Hereditary hemorrhagic telangiectasia; Anencephaly; Craniorachischisis; Iniencephaly; Encephalocele (Frontal, nasofrontal, occipital, of other sites, unspecified); Microcephaly; Congenital malformations of corpus callosum; Arhinencephaly; Holoprosencephaly; Other reduction deformities of brain; Septo-optic dysplasia; Megalencephaly; Congenital cerebral cysts; Arnold-Chiari syndrome without spina bifida or hydrocephalus; Other specified and unspecified congenital malformations of brain; Other specified and unspecified congenital malformations of nervous system; Syringomyelia and syringobulbia; Amyelia; Hypoplasia and dysplasia of spinal cord; Diastematomyelia; Hydromyelia; Klippel-Feil syndrome; Other congenital cauda equina malformations; Other and unspecified diseases of spinal cord; Other and unspecified congenital malformations of spinal cord | G930, G935, G936, G938, G9381, G9389, G939, G94, I780, Q00, Q000, Q001, Q002, Q01, Q010, Q011, Q012, Q018, Q019, Q02, Q04, Q040, Q041, Q042, Q043, Q044, Q045, Q046, Q048, Q049, Q070, Q0700, Q078, Q079, G95, G950, Q06, Q060, Q061, Q062, Q063, Q064, Q068, Q069, Q07, Q761 |
| *Hydrocephalus:*  Congenital hydrocephalus; Malformations of aqueduct of Sylvius; Atresia of Magendie and Luschka; Communicating hydrocephalus; Obstructive hydrocephalus; Idiopathic hydrocephalus; Post traumatic hydrocephalus; Hydrocephalus in diseases classified elsewhere; Other or unspecified hydrocephalus; Arnold-Chiari with hydrocephalus | G91, G910, G911, G912, G913, G914, G918, G919, Q03, Q030, Q031, Q038, Q039, Q0702 |
| *Spina Bifida:*  Spina bifida, with or without hydrocephalus (cervical, thoracic, lumbar, sacral or unspecified region); Arnold-Chiari syndrome with spina bifida and/or hydrocephalus | Q05, Q050, Q051, Q052, Q053, Q054, Q055, Q056, Q057, Q058, Q059, Q0701, Q0703 |
| *Phakomatoses*:  Tuberous sclerosis, Neurofibromatosis (nonmalignant, Type 1 or 2, and unspecified); Schwannomatosis; Other phakomatoses (unspecified, not otherwise classified). | Q85, Q850, Q8500, Q8501, Q8502, Q8503, Q8509, Q851, Q858, Q859 |
| **Progressive/Movement** |  |
| *Leukodystrophies:*  GM2 gangliosidosis; Sandhoff disease; Tay-Sachs disease; Other GM2 gangliosidosis; Mucolipidosis IV; Other and unspecified gangliosidosis; Metachromatic leukodystrophy; Neuronal ceroid lipofuscinosis | E750, E7500, E7501, E7502, E7509, E751, E7510, E7511, E7519, E7525, E7529, E753, E754 |
| *Neurodegenerative:*  Creutzfeldt-Jakob disease; Subacute sclerosing panencephalitis; Progressive multifocal leukoencephalopathy; Kuru; Gerstmann-Straussler-Scheinker syndrome; Fatal familial insomnia; Other sphingolipidosis; Fabry (-Anderson) disease; Gaucher disease; Krabbe disease; Niemann-Pick disease [type A, B, C, D, other, unspecified]; Disorders of glycosaminoglycan metabolism; Mucopolysaccharidosis, type I; Hurler's syndrome; Hurler-Scheie syndrome; Scheie's syndrome; Mucopolysaccharidosis, type II; Morquio mucopolysaccharidoses [ A, B, unspecified]; Sanfilippo mucopolysaccharidoses; Other and unspecified mucopolysaccharidoses; Other disorders of glucosaminoglycan metabolism; Rett's syndrome; Acute necrotizing hemorrhagic encephalopathy; Systemic atrophies primarily affecting central nervous system in diseases classified elsewhere; Stiff-man syndrome; Frontotemporal dementia; Pick's disease; Other frontotemporal dementia; Senile degeneration of brain, not elsewhere classified; Degeneration of nervous system due to alcohol; Alpers disease; Leigh's disease; Dementia with Lewy bodies; Corticobasal degeneration; Other specified or unspecified degenerative diseases of nervous system; Other degenerative disorders of nervous system in diseases classified elsewhere; Familial dysautonomia [Riley-Day]; Multi-system degeneration of the autonomic nervous system | A810, A8100, A8101, A8109, A811, A812, A818, A8181, A8182, A8183, E752, E7521, E7522, E7523, E7524, E75240, E75241, E75242, E75243, E75248, E75249, E76, E760, E7601, E7602, E7603, E761, E762, E7621, E76210, E76211, E76219, E7622, E7629, E763, E768, E769, F842, G043, G0430, G0431, G0432, G0439, G13, G131, G132, G138, G2582, G31, G310, G3101, G3109, G311, G312, G318, G3181, G3182, G3183, G3185, G3189, G319, G32, G320, G328, G3281, G3289, G901, G903 |
| *Movement:*  Huntington's disease; Congenital nonprogressive ataxia; Early- or late-onset cerebellar ataxia; Cerebellar ataxia with defective DNA repair; Hereditary spastic paraplegia; Other and unspecified hereditary ataxias; Parkinson's disease; Secondary parkinsonism; Hallervorden-Spatz disease; Progressive supranuclear ophthalmoplegia [Steele-Richardson-Olszewski]; Striatonigral degeneration; Other specified and unspecified degenerative diseases of basal ganglia; Genetic torsion dystonia; Idiopathic nonfamilial dystonia; Other dystonia; Other chorea; Other specified extrapyramidal and movement disorders; Extrapyramidal and movement disorder, unspecified and in diseases classified elsewhere | G10, G11, G110, G111, G112, G113, G114, G118, G119, G20, G21, G211, G2111, G2119, G212, G213, G214, G218, G219, G23, G230, G231, G232, G238, G239, G241, G242, G248, G255, G2589, G259, G26 |
| **Genetic** |  |
| Di George's syndrome; Down syndrome; Trisomy 21 (nonmosaicism, mosaicism, translocation, unspecified); Trisomy 18 and Trisomy 13 (nonmosaicism, mosaicism, translocation, unspecified); Whole chromosome trisomy (nonmosaicism, mosaicism); Partial trisomy; Duplications with other complex rearrangements; Triploidy and polyploidy; Other specified or unspecified trisomies and partial trisomies of autosomes; Monosomies and deletions from the autosomes, not elsewhere classified; Whole chromosome monosomy (nonmosaicism or mosaicism); Chromosome replaced with ring, dicentric or isochromosome; Deletion of short arm of chromosome 4 or 5; Deletions with other complex rearrangements; Velo-cardio-facial syndrome; Other deletions of part of a chromosome; Other microdeletions; Other or unspecified deletions from the autosomes; Balanced rearrangements and structural markers, not elsewhere classified; Balanced sex or sex/autosomal rearrangement in abnormal individual; Individual with autosomal fragile site; Other and unspecified balanced rearrangements and structural markers; Karyotype 47, XXX; Female with more than three X chromosomes; Mosaicism, lines with various numbers of X chromosomes; Female with 46, XY karyotype; Klinefelter syndrome karyotype 47, XXY; Klinefelter syndrome, male with more than two X chromosomes; Other male with 46, XX karyotype; Klinefelter syndrome, unspecified; Karyotype 47, XYY; Male with structurally abnormal sex chromosome; Male with sex chromosome mosaicism; Other specified sex chromosome abnormalities (female or male phenotype); Chimera 46, XX/46, XY; 46, XX true hermaphrodite; Fragile X chromosome | D821, Q90, Q900, Q901, Q902, Q909, Q91, Q910, Q911, Q912, Q913, Q914, Q915, Q916, Q917, Q92, Q920, Q921, Q922, Q925, Q927, Q928, Q929, Q93, Q930, Q931, Q932, Q933, Q934, Q935, Q937, Q938, Q9381, Q9388, Q9389, Q939, Q95,Q952, Q953, Q955, Q958, Q959, Q970, Q971, Q972, Q973, Q978, Q979, Q98, Q980, Q981, Q983, Q984, Q985, Q986, Q987, Q988,Q989,Q99, Q990, Q991, Q992 |
| **Metabolic** |  |
| Disorders of aromatic amino-acid metabolism [Classical phenylketonuria; Other hyperphenylalaninemias; Disorders of tyrosine metabolism; Tyrosinemia]; Disorders of fatty-acid metabolism; Disorders of fatty-acid oxidation [Long chain/very long chain, medium chain, or short chain acyl CoA dehydrogenase deficiency; Glutaric aciduria type II; Muscle carnitine palmitoyltransferase deficiency]; Disorders of ketone metabolism; Disorders of carnitine metabolism [Primary carnitine deficiency; Carnitine deficiency due to inborn errors of metabolism; Ruvalcaba-Myhre-Smith syndrome]; Peroxisomal disorders [Disorders of peroxisome biogenesis; Zellweger syndrome; Neonatal adrenoleukodystrophy; X-linked adrenoleukodystrophy (childhood cerebral, adolescent, other, unspecified); Adrenomyeloneuropathy; Rhizomelic chondrodysplasia punctata; Zellweger-like syndrome]; Disorders of amino-acid transport [Cystinuria; Hartnup's disease; Lowe's syndrome; Cystinosis]; Disorders of sulfur-bearing amino-acid metabolism [Homocystinuria; Methylenetetrahydrofolate reductase deficiency]; Disorders of urea cycle metabolism [Argininemia; Arginosuccinic aciduria; Citrullinemia]; Disorders of lysine and hydroxylysine metabolism; Disorders of ornithine metabolism; Disorders of glycine metabolism [Non-ketotic hyperglycinemia; Trimethylaminuria; Hyperoxaluria]; Disorders of amino-acid metabolism; Glycogen storage disease [von Gierke disease; Pompe disease; Cori disease; McArdle disease]; Disorders of pyruvate metabolism and gluconeogenesis; Disorder of carbohydrate metabolism; Disorders of sphingolipid metabolism and other lipid storage disorders; Disorders of glycoprotein metabolism; Defects in post-translational modification of lysosomal enzymes; Defects in glycoprotein degradation; Lipoprotein deficiency; Disorders of bile acid and cholesterol metabolism [Barth syndrome; Smith-Lemli-Opitz syndrome]; Disorder of lipoprotein metabolism [Lipoid dermatoarthritis]; Disorders of purine and pyrimidine metabolism [Hyperuricemia without signs of inflammatory arthritis and tophaceous disease; Lesch-Nyhan syndrome; Myoadenylate deaminase deficiency]; Other disorders of copper metabolism; Neuropathic heredofamilial amyloidosis; Mitochondrial metabolism disorders [MELAS syndrome; MERRF syndrome] | E70, E700, E701, E702, E7020, E7021, E7029, E713, E7130, E7131, E71310, E71311, E71312, E71313, E71314, E71318, E7132, E7139, E714, E7140, E7141, E7142, E71440, E715, E7150, E7151, E71510, E71511, E71518, E7152, E71520, E71521, E71522, E71528, E71529, E7153, E7154, E71540, E71541, E71542, E71548, E72, E720, E7200, E7201, E7202, E7203, E7204, E7209, E721, E7210, E7211, E7212, E7219, E722, E7220, E7221, E7222, E7223, E7229, E723, E724, E725, E7250, E7251, E7252, E7253, E7259, E728, E729, E74, E740, E7400, E7401, E7402, E7403, E7404, E7409, E744, E748, E749, E75, E755, E756, E77, E770, E771, E778, E779, E786, E787, E7870, E7871, E7872, E7879, E788, E7881, E7889, E789, E79, E790, E791, E792, E798, E799, E8309, E851, E884, E8840, E8841, E8842, E8849 |
| **Stroke/Hemorrhage** |  |
| *Cerebrovascular Disease:*  Vertebro-basilar artery syndrome; Carotid artery syndrome (hemispheric); Multiple and bilateral precerebral artery syndromes; Amaurosis fugax; Transient global amnesia; Other and unspecified transient cerebral ischemic attacks and related syndromes; Vascular syndromes of brain in cerebrovascular diseases; Middle, anterior, or posterior cerebral artery syndrome; Brain stem or cerebellar stroke syndrome; Pure motor or pure sensory lacunar syndrome; Other lacunar syndromes; Other vascular syndromes of brain in cerebrovascular diseases; Cerebral infarction; Cerebral infarction due to thrombosis of [vertebral (right, left, bilateral, unspecified), basilar, carotid (right, left, bilateral, unspecified), other or unspecified precerebral] artery; Cerebral infarction due to embolism of [vertebral (right, left, bilateral, unspecified), basilar, carotid (right, left, bilateral, unspecified), other or unspecified precerebral] artery; Cerebral infarction due to unspecified occlusion or stenosis of [vertebral (right, left, bilateral, unspecified), basilar, carotid (right, left, bilateral, unspecified), other or unspecified precerebral] artery; Cerebral infarction due to thrombosis of [middle (right, left, bilateral, unspecified), anterior (right, left, bilateral, unspecified), posterior (right, left, bilateral, unspecified), cerebellar (right, left, bilateral, unspecified), other or unspecified cerebral] artery; Cerebral infarction due to embolism of [middle (right, left, bilateral, unspecified), anterior (right, left, bilateral, unspecified), posterior (right, left, bilateral, unspecified), cerebellar (right, left, bilateral, unspecified), other or unspecified cerebral] artery; Cerebral infarction due to unspecified occlusion or stenosis of [middle (right, left, bilateral, unspecified), anterior (right, left, bilateral, unspecified), posterior (right, left, bilateral, unspecified), cerebellar (right, left, bilateral, unspecified), other or unspecified cerebral] artery; Cerebral infarction due to cerebral venous thrombosis, nonpyogenic; Other and unspecified cerebral infarction; Dissection of cerebral arteries, nonruptured; Cerebral aneurysm, nonruptured; Cerebral atherosclerosis; Progressive vascular leukoencephalopathy; Hypertensive encephalopathy; Moyamoya disease; Nonpyogenic thrombosis of intracranial venous system; Cerebral arteritis, not elsewhere classified; Acute cerebrovascular insufficiency; Cerebral ischemia; Other and unspecified cerebrovascular disease; Cerebral amyloid angiopathy; Dissection of carotid, vertebral, or other precerebral artery | G45, G450, G451, G452, G453, G454, G458, G459, G46, G460, G461, G462, G463, G464, G465, G466, G467, G468, I63, I630, I6300, I6301, I63011, I63012, I63013, I63019, I6302, I6303, I63031, I63032, I63033, I63039, I6309, I631, I6310, I6311, I63111, I63112, I63113, I63119, I6312, I6313, I63131, I63132, I63133, I63139, I6319, I632, I6320, I6321, I63211, I63212, I63213, I63219, I6322, I6323, I63231, I63232, I63233, I63239, I6329, I633, I6330, I6331, I63311, I63312, I63313, I63319, I6332, I63321, I63322, I63323, I63329, I6333, I63331, I63332, I63333, I63339, I6334, I63341, I63342, I63343, I63349, I6339, I634, I6340, I6341, I63411, I63412, I63413, I63419, I6342, I63421, I63422, I63423, I63429, I6343, I63431, I63432, I63433, I63439, I6344, I63441, I63442, I63443, I63449, I6349, I635, I6350, I6351, I63511, I63512, I63513, I63519, I6352, I63521, I63522, I63523, I63529, I6353, I63531, I63532, I63533, I63539, I6354, I63541, I63542, I63543, I63549, I6359, I636, I638, I639, I67, I670, I671,I672, I673, I674, I675, I676, I677, I678, I6781, I6782, I679, I680, I7771, I7774, I7775 |
| *Intracranial Hemorrhage or Injury Sequela:*  Traumatic cerebral edema [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)], sequela; Traumatic cerebral edema with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela]; Diffuse traumatic brain injury [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)], sequela; Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela]; Unspecified focal traumatic brain injury [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)], sequela; Unspecified focal traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela]; Contusion and laceration of [right, left, unspecified] cerebrum [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)], sequela; Contusion and laceration of [right, left, unspecified] cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela]; Traumatic hemorrhage of [right, left, unspecified] cerebrum [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)], sequela; Traumatic hemorrhage of [right, left, unspecified] cerebrum with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela]; Contusion, laceration, and hemorrhage of cerebellum or brainstem [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)], sequela; Contusion, laceration, and hemorrhage of cerebellum or brainstem with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela]; Epidural, traumatic subdural, or traumatic subarachnoid hemorrhage [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)] loss of consciousness, sequela; Epidural, traumatic subdural, or traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela]; Injury of right or left internal carotid artery, intracranial portion, not elsewhere classified [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)], sequela; Injury of right or left internal carotid artery, intracranial portion, not elsewhere classified with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela]; Other specified or unspecified intracranial injury [without loss of consciousness or with loss of consciousness of (of any or unspecified duration)], sequela; Other specified or unspecified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, [initial, subsequent, sequela] | S061X0S, S061X1S, S061X2S, S061X3S, S061X4S, S061X5S, S061X6, S061X6A, S061X6D, S061X6S, S061X9S, S062X0S, S062X1S, S062X2S, S062X3S, S062X4S, S062X5S, S062X6, S062X6A, S062X6D, S062X6S, S062X9S, S06300S, S06301S, S06302S, S06303S, S06304S, S06305S, S06306, S06306A, S06306D, S06306S, S06309S, S06310S, S06311S, S06312S, S06313S, S06314S, S06315S, S06316, S06316A, S06316D, S06316S, S06319S, S06320S, S06321S, S06322S, S06323S, S06324S, S06325S, S06326, S06326A, S06326D, S06326S, S06329S, S06330S, S06331S, S06332S, S06333S, S06334S, S06335S, S06336, S06336A, S06336D, S06336S, S06339S, S06340S, S06341S, S06342S, S06343S, S06344S, S06345S, S06346, S06346A, S06346D, S06346S, S06349S, S06350S, S06351S, S06352S, S06353S, S06354S, S06355S, S06356, S06356A, S06356D, S06356S, S06359S, S06360S, S06361S, S06362S, S06363S, S06364S, S06365S, S06366, S06366A, S06366D, S06366S, S06369S, S06370S, S06371S, S06372S, S06373S, S06374S, S06375S, S06376, S06376A, S06376D, S06376S, S06379S, S06380S, S06381S, S06382S, S06383S, S06384S, S06385S, S06386, S06386A, S06386D, S06386S, S06389S, S064X0S, S064X1S, S064X2S, S064X3S, S064X4S, S064X5S, S064X6, S064X6A, S064X6D, S064X6S, S064X9S, S065X0S, S065X1S, S065X2S, S065X3S, S065X4S, S065X5S, S065X6, S065X6A, S065X6D, S065X6S, S065X9S, S066X0S, S066X1S, S066X2S, S066X3S, S066X4S, S066X5S, S066X6, S066X6A, S066X6D, S066X6S, S066X9S, S06810S, S06811S, S06812S, S06813S, S06814S, S06815S, S06816, S06816A, S06816D, S06816S, S06819S, S06820S, S06821S, S06822S, S06823S, S06824S, S06825S, S06826, S06826A, S06826D, S06826S, S06829S, S06890S, S06891S, S06892S, S06893S, S06894S, S06895S, S06896, S06896A, S06896D, S06896S, S06899S, S069X0S, S069X1S, S069X2S, S069X3S, S069X4S, S069X5S, S069X6, S069X6A, S069X6D, S069X6S, S069X9S, |
| **Peripheral** |  |
| *Anterior Horn Cell Disease:*  Spinal muscular atrophy and related syndromes [Infantile spinal muscular atrophy, type I (Werdnig-Hoffman); Other inherited spinal muscular atrophy]; Motor neuron disease [Amyotrophic lateral sclerosis; Progressive bulbar palsy; Primary lateral sclerosis; Familial motor neuron disease; Progressive spinal muscle atrophy] | G12, G120, G121, G122, G1220, G1221, G1222, G1223, G1224, G1225, G1229, G128, G129 |
| *Muscular Dystrophies and Myopathies:*  Primary disorders of muscles; Muscular dystrophy; Myotonic disorders [Myotonic muscular dystrophy; Myotonia congenita; Myotonic chondrodystrophy; Drug induced myotonia]; Congenital myopathies; Mitochondrial myopathy; Myopathy in diseases classified elsewhere; Congenital hyper/hypotonia | G71, G710, G711, G7111, G7112, G7113, G7114, G7119, G712, G713, G718, G719, G72, G737, P941, P942 |
| *Myelopathy or Myelitis:*  Multiple sclerosis; Neuromyelitis optica [Devic]; Acute and subacute hemorrhagic leukoencephalitis [Hurst]; Other acute disseminated demyelination; Diffuse sclerosis of central nervous system; Central demyelination of corpus callosum; Central pontine myelinolysis; Acute transverse myelitis in demyelinating disease of central nervous system; Subacute necrotizing myelitis of central nervous system; Concentric sclerosis [Balo] of central nervous system; Other demyelinating diseases of central nervous system; Myasthenia gravis (with or without acute exacerbation); Toxic myoneural disorders; Congenital and developmental myasthenia; Lambert-Eaton syndrome; Lambert-Eaton syndrome in neoplastic disease; Other myoneural disorders; Myasthenic syndromes in other diseases classified elsewhere; Vascular myelopathies; Acute infarction of spinal cord (embolic or nonembolic); Other vascular myelopathies | G35, G36, G360, G361, G368, G369, G37, G370, G371, G372, G373, G374, G375, G378, G379, G70, G700, G7000, G7001, G701, G702, G708, G7080, G7081, G7089, G709, G73, G731, G733, G951, G9511, G9519 |
| *Paralytic Syndromes (including spinal cord injury sequela):*  Acute paralytic poliomyelitis (wild virus, imported or indigenous; other and unspecified); Sequelae of poliomyelitis; Postpolio syndrome; Tropical spastic paraplegia; Periodic paralysis; Paraplegia (paraparesis) and quadriplegia (quadriparesis) [complete and incomplete]; Cauda equina syndrome; Locked-in state; Brown-Sequard syndrome; Anterior cord syndrome; Posterior cord syndrome; Concussion and edema of cervical spinal cord, sequela; Unspecified injury at (C1, C2, C3, C4, C5, C6, C7, C8 or unspecified level) of cervical spinal cord, sequela; Complete lesion at (C1, C2, C3, C4, C5, C6, C7, C8 or unspecified level) of cervical spinal cord, sequela; Central cord syndrome at (C1, C2, C3, C4, C5, C6, C7, C8 or unspecified level) of cervical spinal cord, sequela; Anterior cord syndrome at (C1, C2, C3, C4, C5, C6, C7, C8 or unspecified level) of cervical spinal cord, sequela; Brown-Sequard syndrome at (C1, C2, C3, C4, C5, C6, C7, C8 or unspecified level) of cervical spinal cord, sequela; Other incomplete lesion at (C1, C2, C3, C4, C5, C6, C7, C8 or unspecified level) of cervical spinal cord, sequela; Injury of cervical sympathetic nerves, sequela; Concussion and edema of thoracic spinal cord, sequela; Unspecified injury at (T1, T2-T6, T7-10, T11-12 level or unspecified level) of thoracic spinal cord, sequela; Complete lesion at (T1, T2-T6, T7-10, T11-12 level or unspecified level) of thoracic spinal cord, sequela; Anterior cord syndrome at (T1, T2-T6, T7-10, T11-12 level or unspecified level) l of thoracic spinal cord, sequela; Brown-Sequard syndrome at (T1, T2-T6, T7-10, T11-12 level or unspecified level) of thoracic spinal cord, sequela; Other incomplete lesion at (T1, T2-T6, T7-10, T11-12 level or unspecified level) of thoracic spinal cord, sequela; Injury of thoracic sympathetic nervous system, sequela; Concussion and edema of lumbar spinal cord, sequela; Unspecified injury to (L1, L2, L3, L4, L5 or unspecified level) of lumbar spinal cord, sequela; Complete lesion of (L1, L2, L3, L4, L5 or unspecified level) of lumbar spinal cord, sequela; Incomplete lesion of (L1, L2, L3, L4, L5 or unspecified level) of lumbar spinal cord, sequela; Concussion and edema of sacral spinal cord, sequela; Complete lesion of sacral spinal cord, sequela; Incomplete lesion of sacral spinal cord, sequela; Unspecified injury to sacral spinal cord, sequela; Injury of cauda equina, sequela; Injury of lumbosacral plexus, sequela; Injury of lumbar, sacral and pelvic sympathetic nerves, sequela | A80, A800, A801, A802, A803, A8030, A8039, A804, A809, B91, G14, G041, G723,  G82, G822, G8220, G8221, G8222, G825, G8250, G8251, G8252, G8253, G8254, G83, G834, G835, G838, G8381, G8382, G8383, G8389, G839, S140XXS, S14101S, S14102S, S14103S, S14104S, S14105S, S14106S, S14107S ,S14108S, S14109S, S14111S, S14112S, S14113S, S14114S, S14115S, S14116S, S14117S, S14118S, S14119S, S14121S, S14122S, S14123S, S14124S, S14125S, S14126S, S14127S, S14128S, S14129S, S14131S, S14132S, S14133S, S14134S, S14135S, S14136S, S14137S, S14138S, S14139S, S14141S, S14142S, S14143S, S14144S, S14145S, S14146S, S14147S, S14148S, S14149S, S14151S, S14152S, S14153S, S14154S, S14155S, S14156S, S14157S, S14158S, S14159S, S145XXS, S240XXS, S24101S, S24102S, S24103S, S24104S, S24109S, S24111S, S24112S, S24113S, S24114S, S24119S, S24131S, S24132S, S24133S, S24134S, S24139S, S24141S, S24142S, S24143S, S24144S, S24149S, S24151S, S24152S, S24153S, S24154S, S24159S, S244XXS, S3401XS, S3402XS, S34101S, S34102S, S34103S, S34104S, S34105S, S34109S, S34111S, S34112S, S34113S, S34114S, S34115S, S34119S, S34121S, S34122S, S34123S, S34124S, S34125S, S34129S, S34131S, S34132S, S34139S, S343XXS, S344XXS, S345XXS |
| *Plegias (including cerebrovascular disease and brain injury sequela)*:  Flaccid hemiplegia [affecting right or left (dominant or nondominant), or unspecified side]; Spastic hemiplegia [affecting right or left (dominant or nondominant), or unspecified side]; Hemiplegia, unspecified [affecting right or left (dominant or nondominant), or unspecified side]; Diplegia of upper limbs; Monoplegia of lower or upper limb [affecting right or left (dominant or nondominant), or unspecified side]; Monoplegia, unspecified [affecting right or left (dominant or nondominant), or unspecified side]; Monoplegia of upper or lower limb following nontraumatic subarachnoid hemorrhage [affecting right or left (dominant or nondominant), or unspecified side]; Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage [affecting right or left (dominant or nondominant), or unspecified side]; Other paralytic syndrome following nontraumatic subarachnoid hemorrhage [affecting right or left (dominant or nondominant), bilateral, or unspecified side]; Monoplegia of upper or lower limb following nontraumatic intracerebral hemorrhage [affecting right or left (dominant or nondominant), or unspecified side]; Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage [affecting right or left, (dominant or nondominant), or unspecified side]; Other paralytic syndrome following nontraumatic intracerebral hemorrhage [affecting right or left, (dominant or nondominant), bilateral, or unspecified side]; Monoplegia of upper or lower limb following other nontraumatic intracranial hemorrhage [affecting right or left, (dominant or nondominant), or unspecified side]; Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage [affecting right or left (dominant or nondominant), or unspecified side]; Other paralytic syndrome following other nontraumatic intracranial hemorrhage [affecting right or left (dominant or nondominant), bilateral, or unspecified side]; Monoplegia of upper or lower limb following cerebral infarction [affecting right or left (dominant or nondominant), or unspecified side]; Hemiplegia and hemiparesis following cerebral infarction [affecting right or left (dominant or nondominant), or unspecified side]; Other paralytic syndrome following cerebral infarction [affecting right or left (dominant or nondominant), bilateral or unspecified side]; Monoplegia of upper or lower limb following other cerebrovascular disease [affecting right or left (dominant or nondominant), or unspecified side]; Hemiplegia and hemiparesis following other cerebrovascular disease [affecting right or left (dominant or nondominant), or unspecified side]; Other paralytic syndrome following other cerebrovascular disease [affecting right or left (dominant or nondominant), bilateral, or unspecified side]; Monoplegia of upper or lower limb following unspecified cerebrovascular disease [affecting right or left (dominant or nondominant), or unspecified side]; Hemiplegia and hemiparesis following unspecified cerebrovascular disease [affecting right or left (dominant or nondominant), or unspecified side]; Other paralytic syndrome following unspecified cerebrovascular disease [affecting right or left (dominant or nondominant) bilateral, or unspecified side] | G81, G810, G8100, G8101, G8102, G8103, G8104, G811, G8110, G8111, G8112, G8113, G8114, G819, G8190, G8191, G8192, G8193, G8194, G830, G831, G8310, G8311, G8312, G8313, G8314, G832, G8320, G8321, G8322, G8323, G8324, G833, G8330, G8331, G8332, G8333, G8334, I6903, I69031, I69032, I69033, I69034, I69039, I6904, I69041, I69042,I69043, I69044, I69049, I6905, I69051, I69052, I69053, I69054, I69059, I6906, I69061, I69062, I69063, I69064, I69065, I69069, I6913, I69131, I69132, I69133, I69134, I69139, I6914, I69141, I69142, I69143, I69144, I69149, I69151, I69152, I69153, I69154, I69159, I6916, I69161, I69162, I69163, I69164, I69165, I69169, I6923, I69231, I69232, I69233, I69234, I69239, I6924, I69241, I69242, I69243, I69244, I69249, I6925, I69251, I69252, I69253, I69254, I69259, I6926, I69261, I69262, I69263, I69264, I69265, I69269, I6933, I69331, I69332, I69333, I69334, I69339, I6934, I69341, I69342, I69343, I69344, I69349, I6935, I69351, I69352, I69353, I69354, I69359, I6936, I69361, I69362, I69363, I69364, I69365, I69369, I6983, I69831, I69832, I69833, I69834, I69839, I6984, I69841, I69842, I69843, I69844, I69849, I6985, I69851, I69852, I69853, I69854, I69859, I6986, I69861, I69862, I69863, I69864, I69865, I69869, I6993, I69931, I69932, I69933, I69934, I69939, I6994, I69941, I69942, I69943, I69944, I69949, I6995, I69951, I69952, I69953, I69954, I69959, I6996, I69961, I69962, I69963, I69964, I69965, I69969 |
| *Neuropathies*:  Paraneoplastic neuromyopathy and neuropathy; Brachial plexus disorders; Lumbosacral plexus disorders; Hereditary motor and sensory neuropathy; Refsum's disease; Neuropathy in association with hereditary ataxia; Idiopathic progressive neuropathy; Other and unspecified hereditary and idiopathic neuropathies; Serum neuropathy; Multifocal motor neuropathy; Other and unspecified inflammatory polyneuropathies; Inflammatory polyneuropathy, unspecified; Other specified and unspecified polyneuropathies; Polyneuropathy in diseases classified elsewhere; Sequelae of Guillain-Barre syndrome; Sequelae of other inflammatory polyneuropathy; Sequelae of toxic polyneuropathy | G130, G540, G541, G600, G601, G602, G603, G608, G609, G611, G6182, G6189, G619, G6289, G629, G63, G650, G651, G652 |
| **Epilepsy** |  |
| Localization-related (focal, partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset (intractable or not intractable, with or without status epilepticus); Localization-related (focal, partial) symptomatic epilepsy and epileptic syndromes with simple or complex partial seizures (intractable or not intractable, with or without status epilepticus); Generalized idiopathic epilepsy and epileptic syndromes (intractable or not intractable, with or without status epilepticus); Other generalized epilepsy and epileptic syndromes (intractable or not intractable, with or without status epilepticus); Epileptic seizures related to external causes (not intractable, with or without status epilepticus); Other epilepsy (intractable or not intractable, with or without status epilepticus); Lennox-Gastaut syndrome (intractable or not intractable, with or without status epilepticus); Epileptic spasms (intractable or not intractable, with or without status epilepticus); Epilepsy, unspecified (intractable or not intractable, with or without status epilepticus); Absence epileptic syndrome (intractable or not intractable, with or without status epilepticus); Juvenile myoclonic epilepsy [impulsive petit mal] (intractable or not intractable, with or without status epilepticus) | G40, G400, G4000, G40001, G40009, G4001, G40011, G40019, G401, G4010, G40101, G40109, G4011, G40111, G40119, G402, G4020, G40201, G40209, G4021, G40211, G40219, G403, G4030, G40301, G40309, G4031, G40311, G40319, G404, G4040, G40401, G40409, G4041, G40411, G40419, G405, G4050, G40501, G40509, G408, G4080, G40801, G40802, G40803, G40804, G4081, G40811, G40812, G40813, G40814, G4082, G40821, G40822, G40823, G40824, G4089, G409, G4090, G40901, G40909, G4091, G40911, G40919, G40A, G40A0, G40A01, G40A09, G40A1, G40A11, G40A19, G40B, G40B0, G40B01, G40B09, G40B1, G40B11, G40B19 |