

SDMX-HD (Health Domain) v1.0 documentation

1. SDMX-HD v1.0 Code-lists and Code

Location : COMMON/SDMX-HD/codelists:

1. Code List: Point Bounds

- Identifier: CL_BOUNDS
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Upper and lower boundaries for a point.

```
<structure:CodeList id="CL_BOUNDS" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_BOUNDS[1.0]" />
```

Key	Value (EN)
1	Lower
2	Point
3	Upper

1. Code List: Calendar Type

- Identifier: CL_CALENDAR_TYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

The type of calendar system used by a system. This has been created to identify fiscal year observation data and metadata related to dates in SDMX-HD

```
<structure:CodeList id="CL_CALENDAR_TYPE" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_CALENDAR_TYPE[1.0]" />
```

Key	Value (EN)
ISO8601	SDMX dates are inspired by ISO8601 which represents a Gregorian calendar with a the first day of a year being the 1st of January
USG_Fiscal	A United States Government Fiscal Year Calendar based on the Gergorian calendar with a the first day of a year being the 1st of September.

1. Code List: Condition

- Identifier: CL_CONDITION
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Condition

```
<structure:CodeList id="CL_CONDITION" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_CONDITION[1.0]" />
```

Key	Value (EN)
10J00-J00	Acute nasopharyngitis [common cold]
10J00-J01	Acute sinusitis
10J00-J02	Acute pharyngitis
10J00-J03	Acute tonsillitis
10J00-J04	Acute laryngitis and tracheitis
10J00-J05	Acute obstructive laryngitis [croup] and epiglottitis
10J00-J06	Acute upper respiratory infections of multiple and unspecified sites
10J09-J09	Influenza due to certain identified influenza virus
10J09-J10	Influenza due to other identified influenza virus
10J09-J11	Influenza, virus not identified
10J09-J12	Viral pneumonia, not elsewhere classified
10J09-J13	Pneumonia due to Streptococcus pneumoniae
10J09-J14	Pneumonia due to Haemophilus influenzae
10J09-J15	Bacterial pneumonia, not elsewhere classified
10J09-J16	Pneumonia due to other infectious organisms, not elsewhere classified
10J09-J18	Pneumonia, organism unspecified
10J20-J20	Acute bronchitis
10J20-J21	Acute bronchiolitis
10J20-J22	Unspecified acute lower respiratory infection
10J30-J30	Vasomotor and allergic rhinitis
10J30-J31	Chronic rhinitis, nasopharyngitis and pharyngitis
10J30-J32	Chronic sinusitis
10J30-J33	Nasal polyp
10J30-J34	Other disorders of nose and nasal sinuses
10J30-J35	Chronic diseases of tonsils and adenoids
10J30-J36	Peritonsillar abscess
10J30-J37	Chronic laryngitis and laryngotracheitis
10J30-J38	Diseases of vocal cords and larynx, not elsewhere classified

10J30-J39	Other diseases of upper respiratory tract
10J40-J40	Bronchitis, not specified as acute or chronic
10J40-J41	Simple and mucopurulent chronic bronchitis
10J40-J42	Unspecified chronic bronchitis
10J40-J43	Emphysema
10J40-J44	Other chronic obstructive pulmonary disease
10J40-J45	Asthma
10J40-J46	Status asthmaticus
10J40-J47	Bronchiectasis
10J60-J60	Coalworker's pneumoconiosis
10J60-J61	Pneumoconiosis due to asbestos and other mineral fibres
10J60-J62	Pneumoconiosis due to dust containing silica
10J60-J63	Pneumoconiosis due to other inorganic dusts
10J60-J64	Unspecified pneumoconiosis
10J60-J65	Pneumoconiosis associated with tuberculosis
10J60-J66	Airway disease due to specific organic dust
10J60-J67	Hypersensitivity pneumonitis due to organic dust
10J60-J68	Respiratory conditions due to inhalation of chemicals, gases, fumes and vapours
10J60-J69	Pneumonitis due to solids and liquids
10J60-J70	Respiratory conditions due to other external agents
10J80-J80	Adult respiratory distress syndrome
10J80-J81	Pulmonary oedema
10J80-J82	Pulmonary eosinophilia, not elsewhere classified
10J80-J84	Other interstitial pulmonary diseases
10J85-J85	Abscess of lung and mediastinum
10J85-J86	Pyothorax
10J90-J90	Pleural effusion, not elsewhere classified
10J90-J92	Pleural plaque
10J90-J93	Pneumothorax
10J90-J94	Other pleural conditions
10J95-J95	Postprocedural respiratory disorders, not elsewhere classified
10J95-J96	Respiratory failure, not elsewhere classified
10J95-J98	Other respiratory disorders
1-1	Tuberculos
11K00-K00	Disorders of tooth development and eruption
11K00-K01	Embedded and impacted teeth
11K00-K02	Dental caries

11K00-K03	Other diseases of hard tissues of teeth
11K00-K04	Diseases of pulp and periapical tissues
11K00-K05	Gingivitis and periodontal diseases
11K00-K06	Other disorders of gingiva and edentulous alveolar ridge
11K00-K07	Dentofacial anomalies [including malocclusion]
11K00-K08	Other disorders of teeth and supporting structures
11K00-K09	Cysts of oral region, not elsewhere classified
11K00-K10	Other diseases of jaws
11K00-K11	Diseases of salivary glands
11K00-K12	Stomatitis and related lesions
11K00-K13	Other diseases of lip and oral mucosa
11K00-K14	Diseases of tongue
11K20-K20	Oesophagitis
11K20-K21	Gastro-oesophageal reflux disease
11K20-K22	Other diseases of oesophagus
11K20-K25	Gastric ulcer
11K20-K26	Duodenal ulcer
11K20-K27	Peptic ulcer, site unspecified
11K20-K28	Gastrojejunal ulcer
11K20-K29	Gastritis and duodenitis
11K20-K30	Dyspepsia
11K20-K31	Other diseases of stomach and duodenum
11K35-K35	Acute appendicitis
11K35-K36	Other appendicitis
11K35-K37	Unspecified appendicitis
11K35-K38	Other diseases of appendix
11K40-K40	Inguinal hernia
11K40-K41	Femoral hernia
11K40-K42	Umbilical hernia
11K40-K43	Ventral hernia
11K40-K44	Diaphragmatic hernia
11K40-K45	Other abdominal hernia
11K40-K46	Unspecified abdominal hernia
11K50-K50	Crohn's disease [regional enteritis]
11K50-K51	Ulcerative colitis
11K50-K52	Other noninfective gastroenteritis and colitis
11K55-K55	Vascular disorders of intestine
11K55-K56	Paralytic ileus and intestinal obstruction without hernia

11K55-K57	Diverticular disease of intestine
11K55-K58	Irritable bowel syndrome
11K55-K59	Other functional intestinal disorders
11K55-K60	Fissure and fistula of anal and rectal regions
11K55-K61	Abscess of anal and rectal regions
11K55-K62	Other diseases of anus and rectum
11K55-K63	Other diseases of intestine
11K65-K65	Peritonitis
11K65-K66	Other disorders of peritoneum
11K70-K70	Alcoholic liver disease
11K70-K71	Toxic liver disease
11K70-K72	Hepatic failure, not elsewhere classified
11K70-K73	Chronic hepatitis, not elsewhere classified
11K70-K74	Fibrosis and cirrhosis of liver
11K70-K75	Other inflammatory liver diseases
11K70-K76	Other diseases of liver
11K80-K80	Cholelithiasis
11K80-K81	Cholecystitis
11K80-K82	Other diseases of gallbladder
11K80-K83	Other diseases of biliary tract
11K80-K85	Acute pancreatitis
11K80-K86	Other diseases of pancreas
11K90-K90	Intestinal malabsorption
11K90-K91	Postprocedural disorders of digestive system, not elsewhere classified
11K90-K92	Other diseases of digestive system
12L00-L00	Staphylococcal scalded skin syndrome
12L00-L01	Impetigo
12L00-L02	Cutaneous abscess, furuncle and carbuncle
12L00-L03	Cellulitis
12L00-L04	Acute lymphadenitis
12L00-L05	Pilonidal cyst
12L00-L08	Other local infections of skin and subcutaneous tissue
12L10-L10	Pemphigus
12L10-L11	Other acantholytic disorders
12L10-L12	Pemphigoid
12L10-L13	Other bullous disorders
12L20-L20	Atopic dermatitis

12L20-L21	Seborrhoeic dermatitis
12L20-L22	Diaper [napkin] dermatitis
12L20-L23	Allergic contact dermatitis
12L20-L24	Irritant contact dermatitis
12L20-L25	Unspecified contact dermatitis
12L20-L26	Exfoliative dermatitis
12L20-L27	Dermatitis due to substances taken internally
12L20-L28	Lichen simplex chronicus and prurigo
12L20-L29	Pruritus
12L20-L30	Other dermatitis
12L40-L40	Psoriasis
12L40-L41	Parapsoriasis
12L40-L42	Pityriasis rosea
12L40-L43	Lichen planus
12L40-L44	Other papulosquamous disorders
12L50-L50	Urticaria
12L50-L51	Erythema multiforme
12L50-L52	Erythema nodosum
12L50-L53	Other erythematous conditions
12L55-L55	Sunburn
12L55-L56	Other acute skin changes due to ultraviolet radiation
12L55-L57	Skin changes due to chronic exposure to nonionizing radiation
12L55-L58	Radiodermatitis
12L55-L59	Other disorders of skin and subcutaneous tissue related to radiation
12L60-L60	Nail disorders
12L60-L63	Alopecia areata
12L60-L64	Androgenic alopecia
12L60-L65	Other nonscarring hair loss
12L60-L66	Cicatricial alopecia [scarring hair loss]
12L60-L67	Hair colour and hair shaft abnormalities
12L60-L68	Hypertrichosis
12L60-L70	Acne
12L60-L71	Rosacea
12L60-L72	Follicular cysts of skin and subcutaneous tissue
12L60-L73	Other follicular disorders
12L60-L74	Eccrine sweat disorders
12L60-L75	Apocrine sweat disorders

12L80-L80	Vitiligo
12L80-L81	Other disorders of pigmentation
12L80-L82	Seborrhoeic keratosis
12L80-L83	Acanthosis nigricans
12L80-L84	Corns and callosities
12L80-L85	Other epidermal thickening
12L80-L87	Transepidermal elimination disorders
12L80-L88	Pyoderma gangrenosum
12L80-L89	Decubitus ulcer and pressure area
12L80-L90	Atrophic disorders of skin
12L80-L91	Hypertrophic disorders of skin
12L80-L92	Granulomatous disorders of skin and subcutaneous tissue
12L80-L93	Lupus erythematosus
12L80-L94	Other localized connective tissue disorders
12L80-L95	Vasculitis limited to skin, not elsewhere classified
12L80-L97	Ulcer of lower limb, not elsewhere classified
12L80-L98	Other disorders of skin and subcutaneous tissue, not elsewhere classified
13M00-M00	Pyogenic arthritis
13M00-M02	Reactive arthropathies
13M05-M05	Seropositive rheumatoid arthritis
13M05-M06	Other rheumatoid arthritis
13M05-M08	Juvenile arthritis
13M05-M10	Gout
13M05-M11	Other crystal arthropathies
13M05-M12	Other specific arthropathies
13M05-M13	Other arthritis
13M15-M15	Polyarthrosis
13M15-M16	Coxarthrosis [arthrosis of hip]
13M15-M17	Gonarthrosis [arthrosis of knee]
13M15-M18	Arthrosis of first carpometacarpal joint
13M15-M19	Other arthrosis
13M20-M20	Acquired deformities of fingers and toes
13M20-M21	Other acquired deformities of limbs
13M20-M22	Disorders of patella
13M20-M23	Internal derangement of knee
13M20-M24	Other specific joint derangements
13M20-M25	Other joint disorders, not elsewhere classified

13M30-M30	Polyarteritis nodosa and related conditions
13M30-M31	Other necrotizing vasculopathies
13M30-M32	Systemic lupus erythematosus
13M30-M33	Dermatopolymyositis
13M30-M34	Systemic sclerosis
13M30-M35	Other systemic involvement of connective tissue
13M40-M40	Kyphosis and lordosis
13M40-M41	Scoliosis
13M40-M42	Spinal osteochondrosis
13M40-M43	Other deforming dorsopathies
13M45-M45	Ankylosing spondylitis
13M45-M46	Other inflammatory spondylopathies
13M45-M47	Spondylosis
13M45-M48	Other spondylopathies
13M50-M50	Cervical disc disorders
13M50-M51	Other intervertebral disc disorders
13M50-M53	Other dorsopathies, not elsewhere classified
13M50-M54	Dorsalgia
13M60-M60	Myositis
13M60-M61	Calcification and ossification of muscle
13M60-M62	Other disorders of muscle
13M65-M65	Synovitis and tenosynovitis
13M65-M66	Spontaneous rupture of synovium and tendon
13M65-M67	Other disorders of synovium and tendon
13M70-M70	Soft tissue disorders related to use, overuse and pressure
13M70-M71	Other bursopathies
13M70-M72	Fibroblastic disorders
13M70-M75	Shoulder lesions
13M70-M76	Enthesopathies of lower limb, excluding foot
13M70-M77	Other enthesopathies
13M70-M79	Other soft tissue disorders, not elsewhere classified
13M80-M80	Osteoporosis with pathological fracture
13M80-M81	Osteoporosis without pathological fracture
13M80-M83	Adult osteomalacia
13M80-M84	Disorders of continuity of bone
13M80-M85	Other disorders of bone density and structure
13M86-M86	Osteomyelitis
13M86-M87	Osteonecrosis

13M86-M88	Paget's disease of bone [osteitis deformans]
13M86-M89	Other disorders of bone
13M91-M91	Juvenile osteochondrosis of hip and pelvis
13M91-M92	Other juvenile osteochondrosis
13M91-M93	Other osteochondropathies
13M91-M94	Other disorders of cartilage
13M95-M95	Other acquired deformities of musculoskeletal system and connective tissue
13M95-M96	Postprocedural musculoskeletal disorders, not elsewhere classified
13M95-M99	Biomechanical lesions, not elsewhere classified
14N00-N00	Acute nephritic syndrome
14N00-N01	Rapidly progressive nephritic syndrome
14N00-N02	Recurrent and persistent haematuria
14N00-N03	Chronic nephritic syndrome
14N00-N04	Nephrotic syndrome
14N00-N05	Unspecified nephritic syndrome
14N00-N06	Isolated proteinuria with specified morphological lesion
14N00-N07	Hereditary nephropathy, not elsewhere classified
14N10-N10	Acute tubulo-interstitial nephritis
14N10-N11	Chronic tubulo-interstitial nephritis
14N10-N12	Tubulo-interstitial nephritis, not specified as acute or chronic
14N10-N13	Obstructive and reflux uropathy
14N10-N14	Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions
14N10-N15	Other renal tubulo-interstitial diseases
14N17-N17	Acute renal failure
14N17-N18	Chronic kidney disease
14N17-N19	Unspecified renal failure
14N20-N20	Calculus of kidney and ureter
14N20-N21	Calculus of lower urinary tract
14N20-N23	Unspecified renal colic
14N25-N25	Disorders resulting from impaired renal tubular function
14N25-N26	Unspecified contracted kidney
14N25-N27	Small kidney of unknown cause
14N25-N28	Other disorders of kidney and ureter, not elsewhere classified
14N30-N30	Cystitis
14N30-N31	Neuromuscular dysfunction of bladder, not elsewhere classified
14N30-N32	Other disorders of bladder

14N30-N34	Urethritis and urethral syndrome
14N30-N35	Urethral stricture
14N30-N36	Other disorders of urethra
14N30-N39	Other disorders of urinary system
14N40-N40	Hyperplasia of prostate
14N40-N41	Inflammatory diseases of prostate
14N40-N42	Other disorders of prostate
14N40-N43	Hydrocele and spermatocele
14N40-N44	Torsion of testis
14N40-N45	Orchitis and epididymitis
14N40-N46	Male infertility
14N40-N47	Redundant prepuce, phimosis and paraphimosis
14N40-N48	Other disorders of penis
14N40-N49	Inflammatory disorders of male genital organs, not elsewhere classified
14N40-N50	Other disorders of male genital organs
14N60-N60	Benign mammary dysplasia
14N60-N61	Inflammatory disorders of breast
14N60-N62	Hypertrophy of breast
14N60-N63	Unspecified lump in breast
14N60-N64	Other disorders of breast
14N70-N70	Salpingitis and oophoritis
14N70-N71	Inflammatory disease of uterus, except cervix
14N70-N72	Inflammatory disease of cervix uteri
14N70-N73	Other female pelvic inflammatory diseases
14N70-N75	Diseases of Bartholin's gland
14N70-N76	Other inflammation of vagina and vulva
14N80-N80	Endometriosis
14N80-N81	Female genital prolapse
14N80-N82	Fistulae involving female genital tract
14N80-N83	Noninflammatory disorders of ovary, fallopian tube and broad ligament
14N80-N84	Polyp of female genital tract
14N80-N85	Other noninflammatory disorders of uterus, except cervix
14N80-N86	Erosion and ectropion of cervix uteri
14N80-N87	Dysplasia of cervix uteri
14N80-N88	Other noninflammatory disorders of cervix uteri
14N80-N89	Other noninflammatory disorders of vagina

14N80-N90	Other noninflammatory disorders of vulva and perineum
14N80-N91	Absent, scanty and rare menstruation
14N80-N92	Excessive, frequent and irregular menstruation
14N80-N93	Other abnormal uterine and vaginal bleeding
14N80-N94	Pain and other conditions associated with female genital organs and menstrual cycle
14N80-N95	Menopausal and other perimenopausal disorders
14N80-N96	Habitual aborter
14N80-N97	Female infertility
14N80-N98	Complications associated with artificial fertilization
14N99-N99	Postprocedural disorders of genitourinary system, not elsewhere classified
15O00-O00	Ectopic pregnancy
15O00-O01	Hydatidiform mole
15O00-O02	Other abnormal products of conception
15O00-O03	Spontaneous abortion
15O00-O04	Medical abortion
15O00-O05	Other abortion
15O00-O06	Unspecified abortion
15O00-O07	Failed attempted abortion
15O00-O08	Complications following abortion and ectopic and molar pregnancy
15O10-O10	Pre-existing hypertension complicating pregnancy, childbirth and the puerperium
15O10-O11	Pre-existing hypertensive disorder with superimposed proteinuria
15O10-O12	Gestational [pregnancy-induced] oedema and proteinuria without hypertension
15O10-O13	Gestational [pregnancy-induced] hypertension without significant proteinuria
15O10-O14	Gestational [pregnancy-induced] hypertension with significant proteinuria
15O10-O15	Eclampsia
15O10-O16	Unspecified maternal hypertension
15O20-O20	Haemorrhage in early pregnancy
15O20-O21	Excessive vomiting in pregnancy
15O20-O22	Venous complications in pregnancy
15O20-O23	Infections of genitourinary tract in pregnancy
15O20-O24	Diabetes mellitus in pregnancy
15O20-O25	Malnutrition in pregnancy

15O20-O26	Maternal care for other conditions predominantly related to pregnancy
15O20-O28	Abnormal findings on antenatal screening of mother
15O20-O29	Complications of anaesthesia during pregnancy
15O30-O30	Multiple gestation
15O30-O31	Complications specific to multiple gestation
15O30-O32	Maternal care for known or suspected malpresentation of fetus
15O30-O33	Maternal care for known or suspected disproportion
15O30-O34	Maternal care for known or suspected abnormality of pelvic organs
15O30-O35	Maternal care for known or suspected fetal abnormality and damage
15O30-O36	Maternal care for other known or suspected fetal problems
15O30-O40	Polyhydramnios
15O30-O41	Other disorders of amniotic fluid and membranes
15O30-O42	Premature rupture of membranes
15O30-O43	Placental disorders
15O30-O44	Placenta praevia
15O30-O45	Premature separation of placenta [abruptio placentae]
15O30-O46	Antepartum haemorrhage, not elsewhere classified
15O30-O47	False labour
15O30-O48	Prolonged pregnancy
15O60-O60	Preterm labour and delivery
15O60-O61	Failed induction of labour
15O60-O62	Abnormalities of forces of labour
15O60-O63	Long labour
15O60-O64	Obstructed labour due to malposition and malpresentation of fetus
15O60-O65	Obstructed labour due to maternal pelvic abnormality
15O60-O66	Other obstructed labour
15O60-O67	Labour and delivery complicated by intrapartum haemorrhage, not elsewhere classified
15O60-O68	Labour and delivery complicated by fetal stress [distress]
15O60-O69	Labour and delivery complicated by umbilical cord complications
15O60-O70	Perineal laceration during delivery
15O60-O71	Other obstetric trauma
15O60-O72	Postpartum haemorrhage
15O60-O73	Retained placenta and membranes, without haemorrhage

15O60-O74	Complications of anaesthesia during labour and delivery
15O60-O75	Other complications of labour and delivery, not elsewhere classified
15O80-O80	Single spontaneous delivery
15O80-O81	Single delivery by forceps and vacuum extractor
15O80-O82	Single delivery by caesarean section
15O80-O83	Other assisted single delivery
15O80-O84	Multiple delivery
15O85-O85	Puerperal sepsis
15O85-O86	Other puerperal infections
15O85-O87	Venous complications in the puerperium
15O85-O88	Obstetric embolism
15O85-O89	Complications of anaesthesia during the puerperium
15O85-O90	Complications of the puerperium, not elsewhere classified
15O85-O91	Infections of breast associated with childbirth
15O85-O92	Other disorders of breast and lactation associated with childbirth
15O94-O94	Sequelae of complication of pregnancy, childbirth and the puerperium
15O94-O95	Obstetric death of unspecified cause
15O94-O96	Death from any obstetric cause occurring more than 42 days but less than one year after delivery
15O94-O97	Death from sequelae of direct obstetric causes
15O94-O98	Maternal infectious and parasitic diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium
15O94-O99	Other maternal diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium
16P00-P00	Fetus and newborn affected by maternal conditions that may be unrelated to present pregnancy
16P00-P01	Fetus and newborn affected by maternal complications of pregnancy
16P00-P02	Fetus and newborn affected by complications of placenta, cord and membranes
16P00-P03	Fetus and newborn affected by other complications of labour and delivery
16P00-P04	Fetus and newborn affected by noxious influences transmitted via placenta or breast milk
16P05-P05	Slow fetal growth and fetal malnutrition
16P05-P07	Disorders related to short gestation and low birth weight, not elsewhere classified

16P05-P08	Disorders related to long gestation and high birth weight
16P10-P10	Intracranial laceration and haemorrhage due to birth injury
16P10-P11	Other birth injuries to central nervous system
16P10-P12	Birth injury to scalp
16P10-P13	Birth injury to skeleton
16P10-P14	Birth injury to peripheral nervous system
16P10-P15	Other birth injuries
16P20-P20	Intrauterine hypoxia
16P20-P21	Birth asphyxia
16P20-P22	Respiratory distress of newborn
16P20-P23	Congenital pneumonia
16P20-P24	Neonatal aspiration syndromes
16P20-P25	Interstitial emphysema and related conditions originating in the perinatal period
16P20-P26	Pulmonary haemorrhage originating in the perinatal period
16P20-P27	Chronic respiratory disease originating in the perinatal period
16P20-P28	Other respiratory conditions originating in the perinatal period
16P20-P29	Cardiovascular disorders originating in the perinatal period
16P35-P35	Congenital viral diseases
16P35-P36	Bacterial sepsis of newborn
16P35-P37	Other congenital infectious and parasitic diseases
16P35-P38	Omphalitis of newborn with or without mild haemorrhage
16P35-P39	Other infections specific to the perinatal period
16P50-P50	Fetal blood loss
16P50-P51	Umbilical haemorrhage of newborn
16P50-P52	Intracranial nontraumatic haemorrhage of fetus and newborn
16P50-P53	Haemorrhagic disease of fetus and newborn
16P50-P54	Other neonatal haemorrhages
16P50-P55	Haemolytic disease of fetus and newborn
16P50-P56	Hydrops fetalis due to haemolytic disease
16P50-P57	Kernicterus
16P50-P58	Neonatal jaundice due to other excessive haemolysis
16P50-P59	Neonatal jaundice from other and unspecified causes
16P50-P60	Disseminated intravascular coagulation of fetus and newborn
16P50-P61	Other perinatal haematological disorders
16P70-P70	Transitory disorders of carbohydrate metabolism specific to fetus and newborn
16P70-P71	Transitory neonatal disorders of calcium and magnesium metabolism

16P70-P72	Other transitory neonatal endocrine disorders
16P70-P74	Other transitory neonatal electrolyte and metabolic disturbances
16P75-P76	Other intestinal obstruction of newborn
16P75-P77	Necrotizing enterocolitis of fetus and newborn
16P75-P78	Other perinatal digestive system disorders
16P80-P80	Hypothermia of newborn
16P80-P81	Other disturbances of temperature regulation of newborn
16P80-P83	Other conditions of integument specific to fetus and newborn
16P90-P90	Convulsions of newborn
16P90-P91	Other disturbances of cerebral status of newborn
16P90-P92	Feeding problems of newborn
16P90-P93	Reactions and intoxications due to drugs administered to fetus and newborn
16P90-P94	Disorders of muscle tone of newborn
16P90-P95	Fetal death of unspecified cause
16P90-P96	Other conditions originating in the perinatal period
17Q00-Q00	Anencephaly and similar malformations
17Q00-Q01	Encephalocele
17Q00-Q02	Microcephaly
17Q00-Q03	Congenital hydrocephalus
17Q00-Q04	Other congenital malformations of brain
17Q00-Q05	Spina bifida
17Q00-Q06	Other congenital malformations of spinal cord
17Q00-Q07	Other congenital malformations of nervous system
17Q10-Q10	Congenital malformations of eyelid, lacrimal apparatus and orbit
17Q10-Q11	Anophthalmos, microphthalmos and macrophthalmos
17Q10-Q12	Congenital lens malformations
17Q10-Q13	Congenital malformations of anterior segment of eye
17Q10-Q14	Congenital malformations of posterior segment of eye
17Q10-Q15	Other congenital malformations of eye
17Q10-Q16	Congenital malformations of ear causing impairment of hearing
17Q10-Q17	Other congenital malformations of ear
17Q10-Q18	Other congenital malformations of face and neck
17Q20-Q20	Congenital malformations of cardiac chambers and connections
17Q20-Q21	Congenital malformations of cardiac septa
17Q20-Q22	Congenital malformations of pulmonary and tricuspid valves

17Q20-Q23	Congenital malformations of aortic and mitral valves
17Q20-Q24	Other congenital malformations of heart
17Q20-Q25	Congenital malformations of great arteries
17Q20-Q26	Congenital malformations of great veins
17Q20-Q27	Other congenital malformations of peripheral vascular system
17Q20-Q28	Other congenital malformations of circulatory system
17Q30-Q30	Congenital malformations of nose
17Q30-Q31	Congenital malformations of larynx
17Q30-Q32	Congenital malformations of trachea and bronchus
17Q30-Q33	Congenital malformations of lung
17Q30-Q34	Other congenital malformations of respiratory system
17Q35-Q35	Cleft palate
17Q35-Q36	Cleft lip
17Q35-Q37	Cleft palate with cleft lip
17Q38-Q38	Other congenital malformations of tongue, mouth and pharynx
17Q38-Q39	Congenital malformations of oesophagus
17Q38-Q40	Other congenital malformations of upper alimentary tract
17Q38-Q41	Congenital absence, atresia and stenosis of small intestine
17Q38-Q42	Congenital absence, atresia and stenosis of large intestine
17Q38-Q43	Other congenital malformations of intestine
17Q38-Q44	Congenital malformations of gallbladder, bile ducts and liver
17Q38-Q45	Other congenital malformations of digestive system
17Q50-Q50	Congenital malformations of ovaries, fallopian tubes and broad ligaments
17Q50-Q51	Congenital malformations of uterus and cervix
17Q50-Q52	Other congenital malformations of female genitalia
17Q50-Q53	Undescended testicle
17Q50-Q54	Hypospadias
17Q50-Q55	Other congenital malformations of male genital organs
17Q50-Q56	Indeterminate sex and pseudohermaphroditism
17Q60-Q60	Renal agenesis and other reduction defects of kidney
17Q60-Q61	Cystic kidney disease
17Q60-Q62	Congenital obstructive defects of renal pelvis and congenital malformations of ureter
17Q60-Q63	Other congenital malformations of kidney
17Q60-Q64	Other congenital malformations of urinary system
17Q65-Q65	Congenital deformities of hip
17Q65-Q66	Congenital deformities of feet

17Q65-Q67	Congenital musculoskeletal deformities of head, face, spine and chest
17Q65-Q68	Other congenital musculoskeletal deformities
17Q65-Q69	Polydactyly
17Q65-Q70	Syndactyly
17Q65-Q71	Reduction defects of upper limb
17Q65-Q72	Reduction defects of lower limb
17Q65-Q73	Reduction defects of unspecified limb
17Q65-Q74	Other congenital malformations of limb(s)
17Q65-Q75	Other congenital malformations of skull and face bones
17Q65-Q76	Congenital malformations of spine and bony thorax
17Q65-Q77	Osteochondrodysplasia with defects of growth of tubular bones and spine
17Q65-Q78	Other osteochondrodysplasias
17Q65-Q79	Congenital malformations of the musculoskeletal system, not elsewhere classified
17Q80-Q80	Congenital ichthyosis
17Q80-Q81	Epidermolysis bullosa
17Q80-Q82	Other congenital malformations of skin
17Q80-Q83	Congenital malformations of breast
17Q80-Q84	Other congenital malformations of integument
17Q80-Q85	Phakomatoses, not elsewhere classified
17Q80-Q86	Congenital malformation syndromes due to known exogenous causes, not elsewhere classified
17Q80-Q87	Other specified congenital malformation syndromes affecting multiple systems
17Q80-Q89	Other congenital malformations, not elsewhere classified
17Q90-Q90	Down's syndrome
17Q90-Q91	Edwards' syndrome and Patau's syndrome
17Q90-Q92	Other trisomies and partial trisomies of the autosomes, not elsewhere classified
17Q90-Q93	Monosomies and deletions from the autosomes, not elsewhere classified
17Q90-Q95	Balanced rearrangements and structural markers, not elsewhere classified
17Q90-Q96	Turner's syndrome
17Q90-Q97	Other sex chromosome abnormalities, female phenotype, not elsewhere classified
17Q90-Q98	Other sex chromosome abnormalities, male phenotype, not elsewhere classified
17Q90-Q99	Other chromosome abnormalities, not elsewhere classified

18R00-R00	Abnormalities of heart beat
18R00-R01	Cardiac murmurs and other cardiac sounds
18R00-R02	Gangrene, not elsewhere classified
18R00-R03	Abnormal blood-pressure reading, without diagnosis
18R00-R04	Haemorrhage from respiratory passages
18R00-R05	Cough
18R00-R06	Abnormalities of breathing
18R00-R07	Pain in throat and chest
18R00-R09	Other symptoms and signs involving the circulatory and respiratory systems
18R10-R10	Abdominal and pelvic pain
18R10-R11	Nausea and vomiting
18R10-R12	Heartburn
18R10-R13	Dysphagia
18R10-R14	Flatulence and related conditions
18R10-R15	Faecal incontinence
18R10-R16	Hepatomegaly and splenomegaly, not elsewhere classified
18R10-R17	Unspecified jaundice
18R10-R18	Ascites
18R10-R19	Other symptoms and signs involving the digestive system and abdomen
18R20-R20	Disturbances of skin sensation
18R20-R21	Rash and other nonspecific skin eruption
18R20-R22	Localized swelling, mass and lump of skin and subcutaneous tissue
18R20-R23	Other skin changes
18R25-R25	Abnormal involuntary movements
18R25-R26	Abnormalities of gait and mobility
18R25-R27	Other lack of coordination
18R25-R29	Other symptoms and signs involving the nervous and musculoskeletal systems
18R30-R30	Pain associated with micturition
18R30-R31	Unspecified haematuria
18R30-R32	Unspecified urinary incontinence
18R30-R33	Retention of urine
18R30-R34	Anuria and oliguria
18R30-R35	Polyuria
18R30-R36	Urethral discharge
18R30-R39	Other symptoms and signs involving the urinary system

18R40-R40	Somnolence, stupor and coma
18R40-R41	Other symptoms and signs involving cognitive functions and awareness
18R40-R42	Dizziness and giddiness
18R40-R43	Disturbances of smell and taste
18R40-R44	Other symptoms and signs involving general sensations and perceptions
18R40-R45	Symptoms and signs involving emotional state
18R40-R46	Symptoms and signs involving appearance and behaviour
18R47-R47	Speech disturbances, not elsewhere classified
18R47-R48	Dyslexia and other symbolic dysfunctions, not elsewhere classified
18R47-R49	Voice disturbances
18R50-R50	Fever of other and unknown origin
18R50-R51	Headache
18R50-R52	Pain, not elsewhere classified
18R50-R53	Malaise and fatigue
18R50-R54	Senility
18R50-R55	Syncope and collapse
18R50-R56	Convulsions, not elsewhere classified
18R50-R57	Shock, not elsewhere classified
18R50-R58	Haemorrhage, not elsewhere classified
18R50-R59	Enlarged lymph nodes
18R50-R60	Oedema, not elsewhere classified
18R50-R61	Hyperhidrosis
18R50-R62	Lack of expected normal physiological development
18R50-R63	Symptoms and signs concerning food and fluid intake
18R50-R64	Cachexia
18R50-R65	Systemic Inflammatory Response Syndrome [SIRS]
18R50-R68	Other general symptoms and signs
18R50-R69	Unknown and unspecified causes of morbidity
18R70-R70	Elevated erythrocyte sedimentation rate and abnormality of plasma viscosity
18R70-R71	Abnormality of red blood cells
18R70-R72	Abnormality of white blood cells, not elsewhere classified
18R70-R73	Elevated blood glucose level
18R70-R74	Abnormal serum enzyme levels
18R70-R75	Laboratory evidence of human immunodeficiency virus [HIV]
18R70-R76	Other abnormal immunological findings in serum

18R70-R77	Other abnormalities of plasma proteins
18R70-R78	Findings of drugs and other substances, not normally found in blood
18R70-R79	Other abnormal findings of blood chemistry
18R80-R80	Isolated proteinuria
18R80-R81	Glycosuria
18R80-R82	Other abnormal findings in urine
18R83-R83	Abnormal findings in cerebrospinal fluid
18R83-R84	Abnormal findings in specimens from respiratory organs and thorax
18R83-R85	Abnormal findings in specimens from digestive organs and abdominal cavity
18R83-R86	Abnormal findings in specimens from male genital organs
18R83-R87	Abnormal findings in specimens from female genital organs
18R83-R89	Abnormal findings in specimens from other organs, systems and tissues
18R90-R90	Abnormal findings on diagnostic imaging of central nervous system
18R90-R91	Abnormal findings on diagnostic imaging of lung
18R90-R92	Abnormal findings on diagnostic imaging of breast
18R90-R93	Abnormal findings on diagnostic imaging of other body structures
18R90-R94	Abnormal results of function studies
18R95-R95	Sudden infant death syndrome
18R95-R96	Other sudden death, cause unknown
18R95-R98	Unattended death
18R95-R99	Other ill-defined and unspecified causes of mortality
19S00-S00	Superficial injury of head
19S00-S01	Open wound of head
19S00-S02	Fracture of skull and facial bones
19S00-S03	Dislocation, sprain and strain of joints and ligaments of head
19S00-S04	Injury of cranial nerves
19S00-S05	Injury of eye and orbit
19S00-S06	Intracranial injury
19S00-S07	Crushing injury of head
19S00-S08	Traumatic amputation of part of head
19S00-S09	Other and unspecified injuries of head
19S10-S10	Superficial injury of neck
19S10-S11	Open wound of neck

19S10-S12	Fracture of neck
19S10-S13	Dislocation, sprain and strain of joints and ligaments at neck level
19S10-S14	Injury of nerves and spinal cord at neck level
19S10-S15	Injury of blood vessels at neck level
19S10-S16	Injury of muscle and tendon at neck level
19S10-S17	Crushing injury of neck
19S10-S18	Traumatic amputation at neck level
19S10-S19	Other and unspecified injuries of neck
19S20-S20	Superficial injury of thorax
19S20-S21	Open wound of thorax
19S20-S22	Fracture of rib(s), sternum and thoracic spine
19S20-S23	Dislocation, sprain and strain of joints and ligaments of thorax
19S20-S24	Injury of nerves and spinal cord at thorax level
19S20-S25	Injury of blood vessels of thorax
19S20-S26	Injury of heart
19S20-S27	Injury of other and unspecified intrathoracic organs
19S20-S28	Crushing injury of thorax and traumatic amputation of part of thorax
19S20-S29	Other and unspecified injuries of thorax
19S30-S30	Superficial injury of abdomen, lower back and pelvis
19S30-S31	Open wound of abdomen, lower back and pelvis
19S30-S32	Fracture of lumbar spine and pelvis
19S30-S33	Dislocation, sprain and strain of joints and ligaments of lumbar spine and pelvis
19S30-S34	Injury of nerves and lumbar spinal cord at abdomen, lower back and pelvis level
19S30-S35	Injury of blood vessels at abdomen, lower back and pelvis level
19S30-S36	Injury of intra-abdominal organs
19S30-S37	Injury of urinary and pelvic organs
19S30-S38	Crushing injury and traumatic amputation of part of abdomen, lower back and pelvis
19S30-S39	Other and unspecified injuries of abdomen, lower back and pelvis
19S40-S40	Superficial injury of shoulder and upper arm
19S40-S41	Open wound of shoulder and upper arm
19S40-S42	Fracture of shoulder and upper arm
19S40-S43	Dislocation, sprain and strain of joints and ligaments of shoulder girdle
19S40-S44	Injury of nerves at shoulder and upper arm level

19S40-S45	Injury of blood vessels at shoulder and upper arm level
19S40-S46	Injury of muscle and tendon at shoulder and upper arm level
19S40-S47	Crushing injury of shoulder and upper arm
19S40-S48	Traumatic amputation of shoulder and upper arm
19S40-S49	Other and unspecified injuries of shoulder and upper arm
19S50-S50	Superficial injury of forearm
19S50-S51	Open wound of forearm
19S50-S52	Fracture of forearm
19S50-S53	Dislocation, sprain and strain of joints and ligaments of elbow
19S50-S54	Injury of nerves at forearm level
19S50-S55	Injury of blood vessels at forearm level
19S50-S56	Injury of muscle and tendon at forearm level
19S50-S57	Crushing injury of forearm
19S50-S58	Traumatic amputation of forearm
19S50-S59	Other and unspecified injuries of forearm
19S60-S60	Superficial injury of wrist and hand
19S60-S61	Open wound of wrist and hand
19S60-S62	Fracture at wrist and hand level
19S60-S63	Dislocation, sprain and strain of joints and ligaments at wrist and hand level
19S60-S64	Injury of nerves at wrist and hand level
19S60-S65	Injury of blood vessels at wrist and hand level
19S60-S66	Injury of muscle and tendon at wrist and hand level
19S60-S67	Crushing injury of wrist and hand
19S60-S68	Traumatic amputation of wrist and hand
19S60-S69	Other and unspecified injuries of wrist and hand
19S70-S70	Superficial injury of hip and thigh
19S70-S71	Open wound of hip and thigh
19S70-S72	Fracture of femur
19S70-S73	Dislocation, sprain and strain of joint and ligaments of hip
19S70-S74	Injury of nerves at hip and thigh level
19S70-S75	Injury of blood vessels at hip and thigh level
19S70-S76	Injury of muscle and tendon at hip and thigh level
19S70-S77	Crushing injury of hip and thigh
19S70-S78	Traumatic amputation of hip and thigh
19S70-S79	Other and specified injuries of hip and thigh
19S80-S80	Superficial injury of lower leg
19S80-S81	Open wound of lower leg

19S80-S82	Fracture of lower leg, including ankle
19S80-S83	Dislocation, sprain and strain of joints and ligaments of knee
19S80-S84	Injury of nerves at lower leg level
19S80-S85	Injury of blood vessels at lower leg level
19S80-S86	Injury of muscle and tendon at lower leg level
19S80-S87	Crushing injury of lower leg
19S80-S88	Traumatic amputation of lower leg
19S80-S89	Other and unspecified injuries of lower leg
19S90-S90	Superficial injury of ankle and foot
19S90-S91	Open wound of ankle and foot
19S90-S92	Fracture of foot, except ankle
19S90-S93	Dislocation, sprain and strain of joints and ligaments at ankle and foot level
19S90-S94	Injury of nerves at ankle and foot level
19S90-S95	Injury of blood vessels at ankle and foot level
19S90-S96	Injury of muscle and tendon at ankle and foot level
19S90-S97	Crushing injury of ankle and foot
19S90-S98	Traumatic amputation of ankle and foot
19S90-S99	Other and unspecified injuries of ankle and foot
19T00-T00	Superficial injuries involving multiple body regions
19T00-T01	Open wounds involving multiple body regions
19T00-T02	Fractures involving multiple body regions
19T00-T03	Dislocations, sprains and strains involving multiple body regions
19T00-T04	Crushing injuries involving multiple body regions
19T00-T05	Traumatic amputations involving multiple body regions
19T00-T06	Other injuries involving multiple body regions, not elsewhere classified
19T00-T07	Unspecified multiple injuries
19T08-T08	Fracture of spine, level unspecified
19T08-T09	Other injuries of spine and trunk, level unspecified
19T08-T10	Fracture of upper limb, level unspecified
19T08-T11	Other injuries of upper limb, level unspecified
19T08-T12	Fracture of lower limb, level unspecified
19T08-T13	Other injuries of lower limb, level unspecified
19T08-T14	Injury of unspecified body region
19T15-T15	Foreign body on external eye
19T15-T16	Foreign body in ear
19T15-T17	Foreign body in respiratory tract

19T15-T18	Foreign body in alimentary tract
19T15-T19	Foreign body in genitourinary tract
19T20-T20	Burn and corrosion of head and neck
19T20-T21	Burn and corrosion of trunk
19T20-T22	Burn and corrosion of shoulder and upper limb, except wrist and hand
19T20-T23	Burn and corrosion of wrist and hand
19T20-T24	Burn and corrosion of hip and lower limb, except ankle and foot
19T20-T25	Burn and corrosion of ankle and foot
19T26-T26	Burn and corrosion confined to eye and adnexa
19T26-T27	Burn and corrosion of respiratory tract
19T26-T28	Burn and corrosion of other internal organs
19T29-T29	Burns and corrosions of multiple body regions
19T29-T30	Burn and corrosion, body region unspecified
19T29-T31	Burns classified according to extent of body surface involved
19T29-T32	Corrosions classified according to extent of body surface involved
19T33-T33	Superficial frostbite
19T33-T34	Frostbite with tissue necrosis
19T33-T35	Frostbite involving multiple body regions and unspecified frostbite
19T36-T36	Poisoning by systemic antibiotics
19T36-T37	Poisoning by other systemic anti-infectives and antiparasitics
19T36-T38	Poisoning by hormones and their synthetic substitutes and antagonists, not elsewhere classified
19T36-T39	Poisoning by nonopioid analgesics, antipyretics and antirheumatics
19T36-T40	Poisoning by narcotics and psychodysleptics [hallucinogens]
19T36-T41	Poisoning by anaesthetics and therapeutic gases
19T36-T42	Poisoning by antiepileptic, sedative-hypnotic and antiparkinsonism drugs
19T36-T43	Poisoning by psychotropic drugs, not elsewhere classified
19T36-T44	Poisoning by drugs primarily affecting the autonomic nervous system
19T36-T45	Poisoning by primarily systemic and haematological agents, not elsewhere classified
19T36-T46	Poisoning by agents primarily affecting the cardiovascular system
19T36-T47	Poisoning by agents primarily affecting the gastrointestinal system

19T36-T48	Poisoning by agents primarily acting on smooth and skeletal muscles and the respiratory system
19T36-T49	Poisoning by topical agents primarily affecting skin and mucous membrane and by ophthalmological, otorhinolaryngological and dental drugs
19T36-T50	Poisoning by diuretics and other and unspecified drugs, medicaments and biological substances
19T51-T51	Toxic effect of alcohol
19T51-T52	Toxic effect of organic solvents
19T51-T53	Toxic effect of halogen derivatives of aliphatic and aromatic hydrocarbons
19T51-T54	Toxic effect of corrosive substances
19T51-T55	Toxic effect of soaps and detergents
19T51-T56	Toxic effect of metals
19T51-T57	Toxic effect of other inorganic substances
19T51-T58	Toxic effect of carbon monoxide
19T51-T59	Toxic effect of other gases, fumes and vapours
19T51-T60	Toxic effect of pesticides
19T51-T61	Toxic effect of noxious substances eaten as seafood
19T51-T62	Toxic effect of other noxious substances eaten as food
19T51-T63	Toxic effect of contact with venomous animals
19T51-T64	Toxic effect of aflatoxin and other mycotoxin food contaminants
19T51-T65	Toxic effect of other and unspecified substances
19T66-T66	Unspecified effects of radiation
19T66-T67	Effects of heat and light
19T66-T68	Hypothermia
19T66-T69	Other effects of reduced temperature
19T66-T70	Effects of air pressure and water pressure
19T66-T71	Asphyxiation
19T66-T73	Effects of other deprivation
19T66-T74	Maltreatment syndromes
19T66-T75	Effects of other external causes
19T66-T78	Adverse effects, not elsewhere classified
19T79-T79	Certain early complications of trauma, not elsewhere classified
19T80-T80	Complications following infusion, transfusion and therapeutic injection
19T80-T81	Complications of procedures, not elsewhere classified
19T80-T82	Complications of cardiac and vascular prosthetic devices, implants and grafts

19T80-T83	Complications of genitourinary prosthetic devices, implants and grafts
19T80-T84	Complications of internal orthopaedic prosthetic devices, implants and grafts
19T80-T85	Complications of other internal prosthetic devices, implants and grafts
19T80-T86	Failure and rejection of transplanted organs and tissues
19T80-T87	Complications peculiar to reattachment and amputation
19T80-T88	Other complications of surgical and medical care, not elsewhere classified
19T90-T90	Sequelae of injuries of head
19T90-T91	Sequelae of injuries of neck and trunk
19T90-T92	Sequelae of injuries of upper limb
19T90-T93	Sequelae of injuries of lower limb
19T90-T94	Sequelae of injuries involving multiple and unspecified body regions
19T90-T95	Sequelae of burns, corrosions and frostbite
19T90-T96	Sequelae of poisoning by drugs, medicaments and biological substances
19T90-T97	Sequelae of toxic effects of substances chiefly nonmedicinal as to source
19T90-T98	Sequelae of other and unspecified effects of external causes
1A00-A00	Cholera
1A00-A01	Typhoid and paratyphoid fevers
1A00-A02	Other salmonella infections
1A00-A03	Shigellosis
1A00-A04	Other bacterial intestinal infections
1A00-A05	Other bacterial foodborne intoxications, not elsewhere classified
1A00-A06	Amoebiasis
1A00-A07	Other protozoal intestinal diseases
1A00-A08	Viral and other specified intestinal infections
1A00-A09	Other gastroenteritis and colitis of infectious and unspecified origin
1A15-A15	Respiratory tuberculosis, bacteriologically and histologically confirmed
1A15-A16	Respiratory tuberculosis, not confirmed bacteriologically or histologically
1A15-A17	Tuberculosis of nervous system
1A15-A18	Tuberculosis of other organs
1A15-A19	Miliary tuberculosis

1A20-A20	Plague
1A20-A21	Tularaemia
1A20-A22	Anthrax
1A20-A23	Brucellosis
1A20-A24	Glanders and melioidosis
1A20-A25	Rat-bite fevers
1A20-A26	Erysipeloid
1A20-A27	Leptospirosis
1A20-A28	Other zoonotic bacterial diseases, not elsewhere classified
1A30-A30	Leprosy [Hansen's disease]
1A30-A31	Infection due to other mycobacteria
1A30-A32	Listeriosis
1A30-A33	Tetanus neonatorum
1A30-A34	Obstetrical tetanus
1A30-A35	Other tetanus
1A30-A36	Diphtheria
1A30-A37	Whooping cough
1A30-A38	Scarlet fever
1A30-A39	Meningococcal infection
1A30-A40	Streptococcal sepsis
1A30-A41	Other sepsis
1A30-A42	Actinomycosis
1A30-A43	Nocardiosis
1A30-A44	Bartonellosis
1A30-A46	Erysipelas
1A30-A48	Other bacterial diseases, not elsewhere classified
1A30-A49	Bacterial infection of unspecified site
1A50-A50	Congenital syphilis
1A50-A51	Early syphilis
1A50-A52	Late syphilis
1A50-A53	Other and unspecified syphilis
1A50-A54	Gonococcal infection
1A50-A55	Chlamydial lymphogranuloma (venereum)
1A50-A56	Other sexually transmitted chlamydial diseases
1A50-A57	Chancroid
1A50-A58	Granuloma inguinale
1A50-A59	Trichomoniasis
1A50-A60	Anogenital herpesviral [herpes simplex] infection

1A50-A63	Other predominantly sexually transmitted diseases, not elsewhere classified
1A50-A64	Unspecified sexually transmitted disease
1A65-A65	Nonvenereal syphilis
1A65-A66	Yaws
1A65-A67	Pinta [carate]
1A65-A68	Relapsing fevers
1A65-A69	Other spirochaetal infections
1A70-A70	Chlamydia psittaci infection
1A70-A71	Trachoma
1A70-A74	Other diseases caused by chlamydiae
1A75-A75	Typhus fever
1A75-A77	Spotted fever [tick-borne rickettsioses]
1A75-A78	Q fever
1A75-A79	Other rickettsioses
1A80-A80	Acute poliomyelitis
1A80-A81	Atypical virus infections of central nervous system
1A80-A82	Rabies
1A80-A83	Mosquito-borne viral encephalitis
1A80-A84	Tick-borne viral encephalitis
1A80-A85	Other viral encephalitis, not elsewhere classified
1A80-A86	Unspecified viral encephalitis
1A80-A87	Viral meningitis
1A80-A88	Other viral infections of central nervous system, not elsewhere classified
1A80-A89	Unspecified viral infection of central nervous system
1A90-A90	Dengue fever [classical dengue]
1A90-A91	Dengue haemorrhagic fever
1A90-A92	Other mosquito-borne viral fevers
1A90-A93	Other arthropod-borne viral fevers, not elsewhere classified
1A90-A94	Unspecified arthropod-borne viral fever
1A90-A95	Yellow fever
1A90-A96	Arenaviral haemorrhagic fever
1A90-A98	Other viral haemorrhagic fevers, not elsewhere classified
1A90-A99	Unspecified viral haemorrhagic fever
1B00-B00	Herpesviral [herpes simplex] infections
1B00-B01	Varicella [chickenpox]
1B00-B02	Zoster [herpes zoster]

1B00-B03	Smallpox
1B00-B04	Monkeypox
1B00-B05	Measles
1B00-B06	Rubella [German measles]
1B00-B07	Viral warts
1B00-B08	Other viral infections characterized by skin and mucous membrane lesions, not elsewhere classified
1B00-B09	Unspecified viral infection characterized by skin and mucous membrane lesions
1B15-B15	Acute hepatitis A
1B15-B16	Acute hepatitis B
1B15-B17	Other acute viral hepatitis
1B15-B18	Chronic viral hepatitis
1B15-B19	Unspecified viral hepatitis
1B20-B20	Human immunodeficiency virus [HIV] disease resulting in infectious and parasitic diseases
1B20-B21	Human immunodeficiency virus [HIV] disease resulting in malignant neoplasms
1B20-B22	Human immunodeficiency virus [HIV] disease resulting in other specified diseases
1B20-B23	Human immunodeficiency virus [HIV] disease resulting in other conditions
1B20-B24	Human immunodeficiency virus [HIV] disease
1B25-B25	Cytomegaloviral disease
1B25-B26	Mumps
1B25-B27	Infectious mononucleosis
1B25-B30	Viral conjunctivitis
1B25-B33	Other viral diseases, not elsewhere classified
1B25-B34	Viral infection of unspecified site
1B35-B35	Dermatophytosis
1B35-B36	Other superficial mycoses
1B35-B37	Candidiasis
1B35-B38	Coccidioidomycosis
1B35-B39	Histoplasmosis
1B35-B40	Blastomycosis
1B35-B41	Paracoccidioidomycosis
1B35-B42	Sporotrichosis
1B35-B43	Chromomycosis and phaeomycotic abscess
1B35-B44	Aspergillosis

1B35-B45	Cryptococcosis
1B35-B46	Zygomycosis
1B35-B47	Mycetoma
1B35-B48	Other mycoses, not elsewhere classified
1B35-B49	Unspecified mycosis
1B50-B50	Plasmodium falciparum malaria
1B50-B51	Plasmodium vivax malaria
1B50-B52	Plasmodium malariae malaria
1B50-B53	Other parasitologically confirmed malaria
1B50-B54	Malaria
1B50-B55	Leishmaniasis
1B50-B56	African trypanosomiasis
1B50-B57	Chagas' disease
1B50-B58	Toxoplasmosis
1B50-B59	Pneumocystosis
1B50-B60	Other protozoal diseases, not elsewhere classified
1B50-B64	Unspecified protozoal disease
1B65-B65	Schistosomiasis [bilharziasis]
1B65-B66	Other fluke infections
1B65-B67	Echinococcosis
1B65-B68	Taeniasis
1B65-B69	Cysticercosis
1B65-B70	Diphyllobothriasis and sparganosis
1B65-B71	Other cestode infections
1B65-B72	Dracunculiasis
1B65-B73	Onchocerciasis
1B65-B74	Filariasis
1B65-B75	Trichinellosis
1B65-B76	Hookworm diseases
1B65-B77	Ascariasis
1B65-B78	Strongyloidiasis
1B65-B79	Trichuriasis
1B65-B80	Enterobiasis
1B65-B81	Other intestinal helminthiasis, not elsewhere classified
1B65-B82	Unspecified intestinal parasitism
1B65-B83	Other helminthiasis
1B85-B85	Pediculosis and phthiriasis
1B85-B86	Scabies

1B85-B87	Myiasis
1B85-B88	Other infestations
1B85-B89	Unspecified parasitic disease
1B90-B90	Sequelae of tuberculosis
1B90-B91	Sequelae of poliomyelitis
1B90-B92	Sequelae of leprosy
1B90-B94	Sequelae of other and unspecified infectious and parasitic diseases
1B96-B95	Streptococcus and staphylococcus as the cause of diseases classified to other chapters
1B96-B96	Other specified bacterial agents as the cause of diseases classified to other chapters
1B96-B97	Viral agents as the cause of diseases classified to other chapters
1B96-B98	Other specified infectious agents as the cause of diseases classified to other chapters
1B99-B99	Other and unspecified infectious diseases
20V01-V01	Pedestrian injured in collision with pedal cycle
20V01-V02	Pedestrian injured in collision with two- or three-wheeled motor vehicle
20V01-V03	Pedestrian injured in collision with car, pick-up truck or van
20V01-V04	Pedestrian injured in collision with heavy transport vehicle or bus
20V01-V05	Pedestrian injured in collision with railway train or railway vehicle
20V01-V06	Pedestrian injured in collision with other nonmotor vehicle
20V01-V09	Pedestrian injured in other and unspecified transport accidents
20V10-V10	Pedal cyclist injured in collision with pedestrian or animal
20V10-V11	Pedal cyclist injured in collision with other pedal cycle
20V10-V12	Pedal cyclist injured in collision with two- or three-wheeled motor vehicle
20V10-V13	Pedal cyclist injured in collision with car, pick-up truck or van
20V10-V14	Pedal cyclist injured in collision with heavy transport vehicle or bus
20V10-V15	Pedal cyclist injured in collision with railway train or railway vehicle
20V10-V16	Pedal cyclist injured in collision with other nonmotor vehicle
20V10-V17	Pedal cyclist injured in collision with fixed or stationary object
20V10-V18	Pedal cyclist injured in noncollision transport accident
20V10-V19	Pedal cyclist injured in other and unspecified transport accidents

20V20-V20	Motorcycle rider injured in collision with pedestrian or animal
20V20-V21	Motorcycle rider injured in collision with pedal cycle
20V20-V22	Motorcycle rider injured in collision with two- or three-wheeled motor vehicle
20V20-V23	Motorcycle rider injured in collision with car, pick-up truck or van
20V20-V24	Motorcycle rider injured in collision with heavy transport vehicle or bus
20V20-V25	Motorcycle rider injured in collision with railway train or railway vehicle
20V20-V26	Motorcycle rider injured in collision with other nonmotor vehicle
20V20-V27	Motorcycle rider injured in collision with fixed or stationary object
20V20-V28	Motorcycle rider injured in noncollision transport accident
20V20-V29	Motorcycle rider injured in other and unspecified transport accidents
20V30-V30	Occupant of three-wheeled motor vehicle injured in collision with pedestrian or animal
20V30-V31	Occupant of three-wheeled motor vehicle injured in collision with pedal cycle
20V30-V32	Occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle
20V30-V33	Occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van
20V30-V34	Occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus
20V30-V35	Occupant of three-wheeled motor vehicle injured in collision with railway train or railway vehicle
20V30-V36	Occupant of three-wheeled motor vehicle injured in collision with other nonmotor vehicle
20V30-V37	Occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object
20V30-V38	Occupant of three-wheeled motor vehicle injured in noncollision transport accident
20V30-V39	Occupant of three-wheeled motor vehicle injured in other and unspecified transport accidents
20V40-V40	Car occupant injured in collision with pedestrian or animal
20V40-V41	Car occupant injured in collision with pedal cycle
20V40-V42	Car occupant injured in collision with two- or three-wheeled motor vehicle
20V40-V43	Car occupant injured in collision with car, pick-up truck or van
20V40-V44	Car occupant injured in collision with heavy transport vehicle or bus

20V40-V45	Car occupant injured in collision with railway train or railway vehicle
20V40-V46	Car occupant injured in collision with other nonmotor vehicle
20V40-V47	Car occupant injured in collision with fixed or stationary object
20V40-V48	Car occupant injured in noncollision transport accident
20V40-V49	Car occupant injured in other and unspecified transport accidents
20V50-V50	Occupant of pick-up truck or van injured in collision with pedestrian or animal
20V50-V51	Occupant of pick-up truck or van injured in collision with pedal cycle
20V50-V52	Occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle
20V50-V53	Occupant of pick-up truck or van injured in collision with car, pick-up truck or van
20V50-V54	Occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus
20V50-V55	Occupant of pick-up truck or van injured in collision with railway train or railway vehicle
20V50-V56	Occupant of pick-up truck or van injured in collision with other nonmotor vehicle
20V50-V57	Occupant of pick-up truck or van injured in collision with fixed or stationary object
20V50-V58	Occupant of pick-up truck or van injured in noncollision transport accident
20V50-V59	Occupant of pick-up truck or van injured in other and unspecified transport accidents
20V60-V60	Occupant of heavy transport vehicle injured in collision with pedestrian or animal
20V60-V61	Occupant of heavy transport vehicle injured in collision with pedal cycle
20V60-V62	Occupant of heavy transport vehicle injured in collision with two- or three-wheeled motor vehicle
20V60-V63	Occupant of heavy transport vehicle injured in collision with car, pick-up truck or van
20V60-V64	Occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus
20V60-V65	Occupant of heavy transport vehicle injured in collision with railway train or railway vehicle
20V60-V66	Occupant of heavy transport vehicle injured in collision with other nonmotor vehicle
20V60-V67	Occupant of heavy transport vehicle injured in collision with fixed or stationary object

20V60-V68	Occupant of heavy transport vehicle injured in noncollision transport accident
20V60-V69	Occupant of heavy transport vehicle injured in other and unspecified transport accidents
20V70-V70	Bus occupant injured in collision with pedestrian or animal
20V70-V71	Bus occupant injured in collision with pedal cycle
20V70-V72	Bus occupant injured in collision with two- or three-wheeled motor vehicle
20V70-V73	Bus occupant injured in collision with car, pick-up truck or van
20V70-V74	Bus occupant injured in collision with heavy transport vehicle or bus
20V70-V75	Bus occupant injured in collision with railway train or railway vehicle
20V70-V76	Bus occupant injured in collision with other nonmotor vehicle
20V70-V77	Bus occupant injured in collision with fixed or stationary object
20V70-V78	Bus occupant injured in noncollision transport accident
20V70-V79	Bus occupant injured in other and unspecified transport accidents
20V80-V80	Animal-rider or occupant of animal-drawn vehicle injured in transport accident
20V80-V81	Occupant of railway train or railway vehicle injured in transport accident
20V80-V82	Occupant of streetcar injured in transport accident
20V80-V83	Occupant of special vehicle mainly used on industrial premises injured in transport accident
20V80-V84	Occupant of special vehicle mainly used in agriculture injured in transport accident
20V80-V85	Occupant of special construction vehicle injured in transport accident
20V80-V86	Occupant of special all-terrain or other motor vehicle designed primarily for off-road use, injured in transport accident
20V80-V87	Traffic accident of specified type but victim's mode of transport unknown
20V80-V88	Nontraffic accident of specified type but victim's mode of transport unknown
20V80-V89	Motor- or nonmotor-vehicle accident, type of vehicle unspecified
20V90-V90	Accident to watercraft causing drowning and submersion
20V90-V91	Accident to watercraft causing other injury
20V90-V92	Water-transport-related drowning and submersion without accident to watercraft
20V90-V93	Accident on board watercraft without accident to watercraft, not causing drowning and submersion

20V90-V94	Other and unspecified water transport accidents
20V95-V95	Accident to powered aircraft causing injury to occupant
20V95-V96	Accident to nonpowered aircraft causing injury to occupant
20V95-V97	Other specified air transport accidents
20V98-V98	Other specified transport accidents
20V98-V99	Unspecified transport accident
20W00-W00	Fall on same level involving ice and snow
20W00-W01	Fall on same level from slipping, tripping and stumbling
20W00-W02	Fall involving ice-skates, skis, roller-skates or skateboards
20W00-W03	Other fall on same level due to collision with, or pushing by, another person
20W00-W04	Fall while being carried or supported by other persons
20W00-W05	Fall involving wheelchair
20W00-W06	Fall involving bed
20W00-W07	Fall involving chair
20W00-W08	Fall involving other furniture
20W00-W09	Fall involving playground equipment
20W00-W10	Fall on and from stairs and steps
20W00-W11	Fall on and from ladder
20W00-W12	Fall on and from scaffolding
20W00-W13	Fall from, out of or through building or structure
20W00-W14	Fall from tree
20W00-W15	Fall from cliff
20W00-W16	Diving or jumping into water causing injury other than drowning or submersion
20W00-W17	Other fall from one level to another
20W00-W18	Other fall on same level
20W00-W19	Unspecified fall
20W20-W20	Struck by thrown, projected or falling object
20W20-W21	Striking against or struck by sports equipment
20W20-W22	Striking against or struck by other objects
20W20-W23	Caught, crushed, jammed or pinched in or between objects
20W20-W24	Contact with lifting and transmission devices, not elsewhere classified
20W20-W25	Contact with sharp glass
20W20-W26	Contact with knife, sword or dagger
20W20-W27	Contact with nonpowered hand tool
20W20-W28	Contact with powered lawnmower

20W20-W29	Contact with other powered hand tools and household machinery
20W20-W30	Contact with agricultural machinery
20W20-W31	Contact with other and unspecified machinery
20W20-W32	Handgun discharge
20W20-W33	Rifle, shotgun and larger firearm discharge
20W20-W34	Discharge from other and unspecified firearms
20W20-W35	Explosion and rupture of boiler
20W20-W36	Explosion and rupture of gas cylinder
20W20-W37	Explosion and rupture of pressurized tyre, pipe or hose
20W20-W38	Explosion and rupture of other specified pressurized devices
20W20-W39	Discharge of firework
20W20-W40	Explosion of other materials
20W20-W41	Exposure to high-pressure jet
20W20-W42	Exposure to noise
20W20-W43	Exposure to vibration
20W20-W44	Foreign body entering into or through eye or natural orifice
20W20-W45	Foreign body or object entering through skin
20W20-W46	Contact with hypodermic needle
20W20-W49	Exposure to other and unspecified inanimate mechanical forces
20W50-W50	Hit, struck, kicked, twisted, bitten or scratched by another person
20W50-W51	Striking against or bumped into by another person
20W50-W52	Crushed, pushed or stepped on by crowd or human stampede
20W50-W53	Bitten by rat
20W50-W54	Bitten or struck by dog
20W50-W55	Bitten or struck by other mammals
20W50-W56	Contact with marine animal
20W50-W57	Bitten or stung by nonvenomous insect and other nonvenomous arthropods
20W50-W58	Bitten or struck by crocodile or alligator
20W50-W59	Bitten or crushed by other reptiles
20W50-W60	Contact with plant thorns and spines and sharp leaves
20W50-W64	Exposure to other and unspecified animate mechanical forces
20W65-W65	Drowning and submersion while in bath-tub
20W65-W66	Drowning and submersion following fall into bath-tub
20W65-W67	Drowning and submersion while in swimming-pool
20W65-W68	Drowning and submersion following fall into swimming-pool
20W65-W69	Drowning and submersion while in natural water

20W65-W70	Drowning and submersion following fall into natural water
20W65-W73	Other specified drowning and submersion
20W65-W74	Unspecified drowning and submersion
20W75-W75	Accidental suffocation and strangulation in bed
20W75-W76	Other accidental hanging and strangulation
20W75-W77	Threat to breathing due to cave-in, falling earth and other substances
20W75-W78	Inhalation of gastric contents
20W75-W79	Inhalation and ingestion of food causing obstruction of respiratory tract
20W75-W80	Inhalation and ingestion of other objects causing obstruction of respiratory tract
20W75-W81	Confined to or trapped in a low-oxygen environment
20W75-W83	Other specified threats to breathing
20W75-W84	Unspecified threat to breathing
20W85-W85	Exposure to electric transmission lines
20W85-W86	Exposure to other specified electric current
20W85-W87	Exposure to unspecified electric current
20W85-W88	Exposure to ionizing radiation
20W85-W89	Exposure to man-made visible and ultraviolet light
20W85-W90	Exposure to other nonionizing radiation
20W85-W91	Exposure to unspecified type of radiation
20W85-W92	Exposure to excessive heat of man-made origin
20W85-W93	Exposure to excessive cold of man-made origin
20W85-W94	Exposure to high and low air pressure and changes in air pressure
20W85-W99	Exposure to other and unspecified man-made environmental factors
20X00-X00	Exposure to uncontrolled fire in building or structure
20X00-X01	Exposure to uncontrolled fire, not in building or structure
20X00-X02	Exposure to controlled fire in building or structure
20X00-X03	Exposure to controlled fire, not in building or structure
20X00-X04	Exposure to ignition of highly flammable material
20X00-X05	Exposure to ignition or melting of nightwear
20X00-X06	Exposure to ignition or melting of other clothing and apparel
20X00-X08	Exposure to other specified smoke, fire and flames
20X00-X09	Exposure to unspecified smoke, fire and flames
20X10-X10	Contact with hot drinks, food, fats and cooking oils
20X10-X11	Contact with hot tap-water

20X10-X12	Contact with other hot fluids
20X10-X13	Contact with steam and hot vapours
20X10-X14	Contact with hot air and gases
20X10-X15	Contact with hot household appliances
20X10-X16	Contact with hot heating appliances, radiators and pipes
20X10-X17	Contact with hot engines, machinery and tools
20X10-X18	Contact with other hot metals
20X10-X19	Contact with other and unspecified heat and hot substances
20X20-X20	Contact with venomous snakes and lizards
20X20-X21	Contact with venomous spiders
20X20-X22	Contact with scorpions
20X20-X23	Contact with hornets, wasps and bees
20X20-X24	Contact with centipedes and venomous millipedes (tropical)
20X20-X25	Contact with other venomous arthropods
20X20-X26	Contact with venomous marine animals and plants
20X20-X27	Contact with other specified venomous animals
20X20-X28	Contact with other specified venomous plants
20X20-X29	Contact with unspecified venomous animal or plant
20X30-X30	Exposure to excessive natural heat
20X30-X31	Exposure to excessive natural cold
20X30-X32	Exposure to sunlight
20X30-X33	Victim of lightning
20X30-X34	Victim of earthquake
20X30-X35	Victim of volcanic eruption
20X30-X36	Victim of avalanche, landslide and other earth movements
20X30-X37	Victim of cataclysmic storm
20X30-X38	Victim of flood
20X30-X39	Exposure to other and unspecified forces of nature
20X40-X40	Accidental poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics
20X40-X41	Accidental poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified
20X40-X42	Accidental poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified
20X40-X43	Accidental poisoning by and exposure to other drugs acting on the autonomic nervous system
20X40-X44	Accidental poisoning by and exposure to other and unspecified drugs, medicaments and biological substances

20X40-X45	Accidental poisoning by and exposure to alcohol
20X40-X46	Accidental poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours
20X40-X47	Accidental poisoning by and exposure to other gases and vapours
20X40-X48	Accidental poisoning by and exposure to pesticides
20X40-X49	Accidental poisoning by and exposure to other and unspecified chemicals and noxious substances
20X50-X50	Overexertion and strenuous or repetitive movements
20X50-X51	Travel and motion
20X50-X52	Prolonged stay in weightless environment
20X50-X53	Lack of food
20X50-X54	Lack of water
20X50-X57	Unspecified privation
20X58-X58	Exposure to other specified factors
20X58-X59	Exposure to unspecified factor
20X60-X60	Intentional self-poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics
20X60-X61	Intentional self-poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified
20X60-X62	Intentional self-poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified
20X60-X63	Intentional self-poisoning by and exposure to other drugs acting on the autonomic nervous system
20X60-X64	Intentional self-poisoning by and exposure to other and unspecified drugs, medicaments and biological substances
20X60-X65	Intentional self-poisoning by and exposure to alcohol
20X60-X66	Intentional self-poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours
20X60-X67	Intentional self-poisoning by and exposure to other gases and vapours
20X60-X68	Intentional self-poisoning by and exposure to pesticides
20X60-X69	Intentional self-poisoning by and exposure to other and unspecified chemicals and noxious substances
20X60-X70	Intentional self-harm by hanging, strangulation and suffocation
20X60-X71	Intentional self-harm by drowning and submersion
20X60-X72	Intentional self-harm by handgun discharge
20X60-X73	Intentional self-harm by rifle, shotgun and larger firearm discharge
20X60-X74	Intentional self-harm by other and unspecified firearm discharge

20X60-X75	Intentional self-harm by explosive material
20X60-X76	Intentional self-harm by smoke, fire and flames
20X60-X77	Intentional self-harm by steam, hot vapours and hot objects
20X60-X78	Intentional self-harm by sharp object
20X60-X79	Intentional self-harm by blunt object
20X60-X80	Intentional self-harm by jumping from a high place
20X60-X81	Intentional self-harm by jumping or lying before moving object
20X60-X82	Intentional self-harm by crashing of motor vehicle
20X60-X83	Intentional self-harm by other specified means
20X60-X84	Intentional self-harm by unspecified means
20X85-X85	Assault by drugs, medicaments and biological substances
20X85-X86	Assault by corrosive substance
20X85-X87	Assault by pesticides
20X85-X88	Assault by gases and vapours
20X85-X89	Assault by other specified chemicals and noxious substances
20X85-X90	Assault by unspecified chemical or noxious substance
20X85-X91	Assault by hanging, strangulation and suffocation
20X85-X92	Assault by drowning and submersion
20X85-X93	Assault by handgun discharge
20X85-X94	Assault by rifle, shotgun and larger firearm discharge
20X85-X95	Assault by other and unspecified firearm discharge
20X85-X96	Assault by explosive material
20X85-X97	Assault by smoke, fire and flames
20X85-X98	Assault by steam, hot vapours and hot objects
20X85-X99	Assault by sharp object
20X85-Y00	Assault by blunt object
20X85-Y01	Assault by pushing from high place
20X85-Y02	Assault by pushing or placing victim before moving object
20X85-Y03	Assault by crashing of motor vehicle
20X85-Y04	Assault by bodily force
20X85-Y05	Sexual assault by bodily force
20X85-Y06	Neglect and abandonment
20X85-Y07	Other maltreatment
20X85-Y08	Assault by other specified means
20X85-Y09	Assault by unspecified means
20Y10-Y10	Poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics, undetermined intent

20Y10-Y11	Poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified, undetermined intent
20Y10-Y12	Poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified, undetermined intent
20Y10-Y13	Poisoning by and exposure to other drugs acting on the autonomic nervous system, undetermined intent
20Y10-Y14	Poisoning by and exposure to other and unspecified drugs, medicaments and biological substances, undetermined intent
20Y10-Y15	Poisoning by and exposure to alcohol, undetermined intent
20Y10-Y16	Poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours, undetermined intent
20Y10-Y17	Poisoning by and exposure to other gases and vapours, undetermined intent
20Y10-Y18	Poisoning by and exposure to pesticides, undetermined intent
20Y10-Y19	Poisoning by and exposure to other and unspecified chemicals and noxious substances, undetermined intent
20Y10-Y20	Hanging, strangulation and suffocation, undetermined intent
20Y10-Y21	Drowning and submersion, undetermined intent
20Y10-Y22	Handgun discharge, undetermined intent
20Y10-Y23	Rifle, shotgun and larger firearm discharge, undetermined intent
20Y10-Y24	Other and unspecified firearm discharge, undetermined intent
20Y10-Y25	Contact with explosive material, undetermined intent
20Y10-Y26	Exposure to smoke, fire and flames, undetermined intent
20Y10-Y27	Contact with steam, hot vapours and hot objects, undetermined intent
20Y10-Y28	Contact with sharp object, undetermined intent
20Y10-Y29	Contact with blunt object, undetermined intent
20Y10-Y30	Falling, jumping or pushed from a high place, undetermined intent
20Y10-Y31	Falling, lying or running before or into moving object, undetermined intent
20Y10-Y32	Crashing of motor vehicle, undetermined intent
20Y10-Y33	Other specified events, undetermined intent
20Y10-Y34	Unspecified event, undetermined intent
20Y35-Y35	Legal intervention
20Y35-Y36	Operations of war
20Y40-Y40	Systemic antibiotics
20Y40-Y41	Other systemic anti-infectives and antiparasitics

20Y40-Y42	Hormones and their synthetic substitutes and antagonists, not elsewhere classified
20Y40-Y43	Primarily systemic agents
20Y40-Y44	Agents primarily affecting blood constituents
20Y40-Y45	Analgesics, antipyretics and anti-inflammatory drugs
20Y40-Y46	Antiepileptics and antiparkinsonism drugs
20Y40-Y47	Sedatives, hypnotics and antianxiety drugs
20Y40-Y48	Anaesthetics and therapeutic gases
20Y40-Y49	Psychotropic drugs, not elsewhere classified
20Y40-Y50	Central nervous system stimulants, not elsewhere classified
20Y40-Y51	Drugs primarily affecting the autonomic nervous system
20Y40-Y52	Agents primarily affecting the cardiovascular system
20Y40-Y53	Agents primarily affecting the gastrointestinal system
20Y40-Y54	Agents primarily affecting water-balance and mineral and uric acid metabolism
20Y40-Y55	Agents primarily acting on smooth and skeletal muscles and the respiratory system
20Y40-Y56	Topical agents primarily affecting skin and mucous membrane and ophthalmological, otorhinolaryngological and dental drugs
20Y40-Y57	Other and unspecified drugs and medicaments
20Y40-Y58	Bacterial vaccines
20Y40-Y59	Other and unspecified vaccines and biological substances
20Y60-Y60	Unintentional cut, puncture, perforation or haemorrhage during surgical and medical care
20Y60-Y61	Foreign object accidentally left in body during surgical and medical care
20Y60-Y62	Failure of sterile precautions during surgical and medical care
20Y60-Y63	Failure in dosage during surgical and medical care
20Y60-Y64	Contaminated medical or biological substances
20Y60-Y65	Other misadventures during surgical and medical care
20Y60-Y66	Nonadministration of surgical and medical care
20Y60-Y69	Unspecified misadventure during surgical and medical care
20Y70-Y70	Anaesthesiology devices associated with adverse incidents
20Y70-Y71	Cardiovascular devices associated with adverse incidents
20Y70-Y72	Otorhinolaryngological devices associated with adverse incidents
20Y70-Y73	Gastroenterology and urology devices associated with adverse incidents
20Y70-Y74	General hospital and personal-use devices associated with adverse incidents

20Y70-Y75	Neurological devices associated with adverse incidents
20Y70-Y76	Obstetric and gynaecological devices associated with adverse incidents
20Y70-Y77	Ophthalmic devices associated with adverse incidents
20Y70-Y78	Radiological devices associated with adverse incidents
20Y70-Y79	Orthopaedic devices associated with adverse incidents
20Y70-Y80	Physical medicine devices associated with adverse incidents
20Y70-Y81	General- and plastic-surgery devices associated with adverse incidents
20Y70-Y82	Other and unspecified medical devices associated with adverse incidents
20Y83-Y83	Surgical operation and other surgical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
20Y83-Y84	Other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure
20Y85-Y85	Sequelae of transport accidents
20Y85-Y86	Sequelae of other accidents
20Y85-Y87	Sequelae of intentional self-harm, assault and events of undetermined intent
20Y85-Y88	Sequelae with surgical and medical care as external cause
20Y85-Y89	Sequelae of other external causes
20Y90-Y90	Evidence of alcohol involvement determined by blood alcohol level
20Y90-Y91	Evidence of alcohol involvement determined by level of intoxication
20Y90-Y95	Nosocomial condition
20Y90-Y96	Work-related condition
20Y90-Y97	Environmental-pollution-related condition
20Y90-Y98	Lifestyle-related condition
21Z00-Z00	General examination and investigation of persons without complaint and reported diagnosis
21Z00-Z01	Other special examinations and investigations of persons without complaint or reported diagnosis
21Z00-Z02	Examination and encounter for administrative purposes
21Z00-Z03	Medical observation and evaluation for suspected diseases and conditions
21Z00-Z04	Examination and observation for other reasons
21Z00-Z08	Follow-up examination after treatment for malignant neoplasms
21Z00-Z09	Follow-up examination after treatment for conditions other than malignant neoplasms

21Z00-Z10	Routine general health check-up of defined subpopulation
21Z00-Z11	Special screening examination for infectious and parasitic diseases
21Z00-Z12	Special screening examination for neoplasms
21Z00-Z13	Special screening examination for other diseases and disorders
21Z20-Z20	Contact with and exposure to communicable diseases
21Z20-Z21	Asymptomatic human immunodeficiency virus [HIV] infection status
21Z20-Z22	Carrier of infectious disease
21Z20-Z23	Need for immunization against single bacterial diseases
21Z20-Z24	Need for immunization against certain single viral diseases
21Z20-Z25	Need for immunization against other single viral diseases
21Z20-Z26	Need for immunization against other single infectious diseases
21Z20-Z27	Need for immunization against combinations of infectious diseases
21Z20-Z28	Immunization not carried out
21Z20-Z29	Need for other prophylactic measures
21Z30-Z30	Contraceptive management
21Z30-Z31	Procreative management
21Z30-Z32	Pregnancy examination and test
21Z30-Z33	Pregnant state, incidental
21Z30-Z34	Supervision of normal pregnancy
21Z30-Z35	Supervision of high-risk pregnancy
21Z30-Z36	Antenatal screening
21Z30-Z37	Outcome of delivery
21Z30-Z38	Liveborn infants according to place of birth
21Z30-Z39	Postpartum care and examination
21Z40-Z40	Prophylactic surgery
21Z40-Z41	Procedures for purposes other than remedying health state
21Z40-Z42	Follow-up care involving plastic surgery
21Z40-Z43	Attention to artificial openings
21Z40-Z44	Fitting and adjustment of external prosthetic device
21Z40-Z45	Adjustment and management of implanted device
21Z40-Z46	Fitting and adjustment of other devices
21Z40-Z47	Other orthopaedic follow-up care
21Z40-Z48	Other surgical follow-up care
21Z40-Z49	Care involving dialysis
21Z40-Z50	Care involving use of rehabilitation procedures
21Z40-Z51	Other medical care

21Z40-Z52	Donors of organs and tissues
21Z40-Z53	Persons encountering health services for specific procedures, not carried out
21Z40-Z54	Convalescence
21Z55-Z55	Problems related to education and literacy
21Z55-Z56	Problems related to employment and unemployment
21Z55-Z57	Occupational exposure to risk-factors
21Z55-Z58	Problems related to physical environment
21Z55-Z59	Problems related to housing and economic circumstances
21Z55-Z60	Problems related to social environment
21Z55-Z61	Problems related to negative life events in childhood
21Z55-Z62	Other problems related to upbringing
21Z55-Z63	Other problems related to primary support group, including family circumstances
21Z55-Z64	Problems related to certain psychosocial circumstances
21Z55-Z65	Problems related to other psychosocial circumstances
21Z70-Z70	Counselling related to sexual attitude, behaviour and orientation
21Z70-Z71	Persons encountering health services for other counselling and medical advice, not elsewhere classified
21Z70-Z72	Problems related to lifestyle
21Z70-Z73	Problems related to life-management difficulty
21Z70-Z74	Problems related to care-provider dependency
21Z70-Z75	Problems related to medical facilities and other health care
21Z70-Z76	Persons encountering health services in other circumstances
21Z80-Z80	Family history of malignant neoplasm
21Z80-Z81	Family history of mental and behavioural disorders
21Z80-Z82	Family history of certain disabilities and chronic diseases leading to disablement
21Z80-Z83	Family history of other specific disorders
21Z80-Z84	Family history of other conditions
21Z80-Z85	Personal history of malignant neoplasm
21Z80-Z86	Personal history of certain other diseases
21Z80-Z87	Personal history of other diseases and conditions
21Z80-Z88	Personal history of allergy to drugs, medicaments and biological substances
21Z80-Z89	Acquired absence of limb
21Z80-Z90	Acquired absence of organs, not elsewhere classified
21Z80-Z91	Personal history of risk-factors, not elsewhere classified

21Z80-Z92	Personal history of medical treatment
21Z80-Z93	Artificial opening status
21Z80-Z94	Transplanted organ and tissue status
21Z80-Z95	Presence of cardiac and vascular implants and grafts
21Z80-Z96	Presence of other functional implants
21Z80-Z97	Presence of other devices
21Z80-Z98	Other postsurgical states
21Z80-Z99	Dependence on enabling machines and devices, not elsewhere classified
2C00-C00	Malignant neoplasm of lip
2C00-C01	Malignant neoplasm of base of tongue
2C00-C02	Malignant neoplasm of other and unspecified parts of tongue
2C00-C03	Malignant neoplasm of gum
2C00-C04	Malignant neoplasm of floor of mouth
2C00-C05	Malignant neoplasm of palate
2C00-C06	Malignant neoplasm of other and unspecified parts of mouth
2C00-C07	Malignant neoplasm of parotid gland
2C00-C08	Malignant neoplasm of other and unspecified major salivary glands
2C00-C09	Malignant neoplasm of tonsil
2C00-C10	Malignant neoplasm of oropharynx
2C00-C11	Malignant neoplasm of nasopharynx
2C00-C12	Malignant neoplasm of piriform sinus
2C00-C13	Malignant neoplasm of hypopharynx
2C00-C14	Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx
2C15-C15	Malignant neoplasm of oesophagus
2C15-C16	Malignant neoplasm of stomach
2C15-C17	Malignant neoplasm of small intestine
2C15-C18	Malignant neoplasm of colon
2C15-C19	Malignant neoplasm of rectosigmoid junction
2C15-C20	Malignant neoplasm of rectum
2C15-C21	Malignant neoplasm of anus and anal canal
2C15-C22	Malignant neoplasm of liver and intrahepatic bile ducts
2C15-C23	Malignant neoplasm of gallbladder
2C15-C24	Malignant neoplasm of other and unspecified parts of biliary tract
2C15-C25	Malignant neoplasm of pancreas
2C15-C26	Malignant neoplasm of other and ill-defined digestive organs

2C30-C30	Malignant neoplasm of nasal cavity and middle ear
2C30-C31	Malignant neoplasm of accessory sinuses
2C30-C32	Malignant neoplasm of larynx
2C30-C33	Malignant neoplasm of trachea
2C30-C34	Malignant neoplasm of bronchus and lung
2C30-C37	Malignant neoplasm of thymus
2C30-C38	Malignant neoplasm of heart, mediastinum and pleura
2C30-C39	Malignant neoplasm of other and ill-defined sites in the respiratory system and intrathoracic organs
2C40-C40	Malignant neoplasm of bone and articular cartilage of limbs
2C40-C41	Malignant neoplasm of bone and articular cartilage of other and unspecified sites
2C43-C43	Malignant melanoma of skin
2C43-C44	Other malignant neoplasms of skin
2C45-C45	Mesothelioma
2C45-C46	Kaposi's sarcoma
2C45-C47	Malignant neoplasm of peripheral nerves and autonomic nervous system
2C45-C48	Malignant neoplasm of retroperitoneum and peritoneum
2C45-C49	Malignant neoplasm of other connective and soft tissue
2C50-C50	Malignant neoplasm of breast
2C51-C51	Malignant neoplasm of vulva
2C51-C52	Malignant neoplasm of vagina
2C51-C53	Malignant neoplasm of cervix uteri
2C51-C54	Malignant neoplasm of corpus uteri
2C51-C55	Malignant neoplasm of uterus, part unspecified
2C51-C56	Malignant neoplasm of ovary
2C51-C57	Malignant neoplasm of other and unspecified female genital organs
2C51-C58	Malignant neoplasm of placenta
2C60-C60	Malignant neoplasm of penis
2C60-C61	Malignant neoplasm of prostate
2C60-C62	Malignant neoplasm of testis
2C60-C63	Malignant neoplasm of other and unspecified male genital organs
2C64-C64	Malignant neoplasm of kidney, except renal pelvis
2C64-C65	Malignant neoplasm of renal pelvis
2C64-C66	Malignant neoplasm of ureter
2C64-C67	Malignant neoplasm of bladder

2C64-C68	Malignant neoplasm of other and unspecified urinary organs
2C69-C69	Malignant neoplasm of eye and adnexa
2C69-C70	Malignant neoplasm of meninges
2C69-C71	Malignant neoplasm of brain
2C69-C72	Malignant neoplasm of spinal cord, cranial nerves and other parts of central nervous system
2C73-C73	Malignant neoplasm of thyroid gland
2C73-C74	Malignant neoplasm of adrenal gland
2C73-C75	Malignant neoplasm of other endocrine glands and related structures
2C76-C76	Malignant neoplasm of other and ill-defined sites
2C76-C77	Secondary and unspecified malignant neoplasm of lymph nodes
2C76-C78	Secondary malignant neoplasm of respiratory and digestive organs
2C76-C79	Secondary malignant neoplasm of other and unspecified sites
2C76-C80	Malignant neoplasm without specification of site
2C81-C81	Hodgkin lymphoma
2C81-C82	Follicular lymphoma
2C81-C83	Non-follicular lymphoma
2C81-C84	Mature T/NK-cell lymphomas
2C81-C85	Other and unspecified types of non-Hodgkin lymphoma
2C81-C86	Other specified types of T/NK-cell Lymphoma
2C81-C88	Other B-cell lymphoma[malignant immunoproliferative diseases]
2C81-C90	Multiple myeloma and malignant plasma cell neoplasms
2C81-C91	Lymphoid leukaemia
2C81-C92	Myeloid leukaemia
2C81-C93	Monocytic leukaemia
2C81-C94	Other leukaemias of specified cell type
2C81-C95	Leukaemia of unspecified cell type
2C81-C96	Other and unspecified malignant neoplasms of lymphoid, haematopoietic and related tissue
2C97-C97	Malignant neoplasms of independent (primary) multiple sites
2D00-D00	Carcinoma in situ of oral cavity, oesophagus and stomach
2D00-D01	Carcinoma in situ of other and unspecified digestive organs
2D00-D02	Carcinoma in situ of middle ear and respiratory system
2D00-D03	Melanoma in situ
2D00-D04	Carcinoma in situ of skin

2D00-D05	Carcinoma in situ of breast
2D00-D06	Carcinoma in situ of cervix uteri
2D00-D07	Carcinoma in situ of other and unspecified genital organs
2D00-D09	Carcinoma in situ of other and unspecified sites
2D10-D10	Benign neoplasm of mouth and pharynx
2D10-D11	Benign neoplasm of major salivary glands
2D10-D12	Benign neoplasm of colon, rectum, anus and anal canal
2D10-D13	Benign neoplasm of other and ill-defined parts of digestive system
2D10-D14	Benign neoplasm of middle ear and respiratory system
2D10-D15	Benign neoplasm of other and unspecified intrathoracic organs
2D10-D16	Benign neoplasm of bone and articular cartilage
2D10-D17	Benign lipomatous neoplasm
2D10-D18	Haemangioma and lymphangioma, any site
2D10-D19	Benign neoplasm of mesothelial tissue
2D10-D20	Benign neoplasm of soft tissue of retroperitoneum and peritoneum
2D10-D21	Other benign neoplasms of connective and other soft tissue
2D10-D22	Melanocytic naevi
2D10-D23	Other benign neoplasms of skin
2D10-D24	Benign neoplasm of breast
2D10-D25	Leiomyoma of uterus
2D10-D26	Other benign neoplasms of uterus
2D10-D27	Benign neoplasm of ovary
2D10-D28	Benign neoplasm of other and unspecified female genital organs
2D10-D29	Benign neoplasm of male genital organs
2D10-D30	Benign neoplasm of urinary organs
2D10-D31	Benign neoplasm of eye and adnexa
2D10-D32	Benign neoplasm of meninges
2D10-D33	Benign neoplasm of brain and other parts of central nervous system
2D10-D34	Benign neoplasm of thyroid gland
2D10-D35	Benign neoplasm of other and unspecified endocrine glands
2D10-D36	Benign neoplasm of other and unspecified sites
2D37-D37	Neoplasm of uncertain or unknown behaviour of oral cavity and digestive organs
2D37-D38	Neoplasm of uncertain or unknown behaviour of middle ear and respiratory and intrathoracic organs

2D37-D39	Neoplasm of uncertain or unknown behaviour of female genital organs
2D37-D40	Neoplasm of uncertain or unknown behaviour of male genital organs
2D37-D41	Neoplasm of uncertain or unknown behaviour of urinary organs
2D37-D42	Neoplasm of uncertain or unknown behaviour of meninges
2D37-D43	Neoplasm of uncertain or unknown behaviour of brain and central nervous system
2D37-D44	Neoplasm of uncertain or unknown behaviour of endocrine glands
2D37-D45	Polycythaemia vera
2D37-D46	Myelodysplastic syndromes
2D37-D47	Other neoplasms of uncertain or unknown behaviour of lymphoid, haematopoietic and related tissue
2D37-D48	Neoplasm of uncertain or unknown behaviour of other and unspecified sites
3D50-D50	Iron deficiency anaemia
3D50-D51	Vitamin B12 deficiency anaemia
3D50-D52	Folate deficiency anaemia
3D50-D53	Other nutritional anaemias
3D55-D55	Anaemia due to enzyme disorders
3D55-D56	Thalassaemia
3D55-D57	Sickle-cell disorders
3D55-D58	Other hereditary haemolytic anaemias
3D55-D59	Acquired haemolytic anaemia
3D60-D60	Acquired pure red cell aplasia [erythroblastopenia]
3D60-D61	Other aplastic anaemias
3D60-D62	Acute posthaemorrhagic anaemia
3D60-D64	Other anaemias
3D65-D65	Disseminated intravascular coagulation [defibrination syndrome]
3D65-D66	Hereditary factor VIII deficiency
3D65-D67	Hereditary factor IX deficiency
3D65-D68	Other coagulation defects
3D65-D69	Purpura and other haemorrhagic conditions
3D70-D70	Agranulocytosis
3D70-D71	Functional disorders of polymorphonuclear neutrophils
3D70-D72	Other disorders of white blood cells
3D70-D73	Diseases of spleen
3D70-D74	Methaemoglobinaemia

3D70-D75	Other diseases of blood and blood-forming organs
3D70-D76	Other specified diseases with participation of lymphoreticular and reticulohistiocytic tissue
3D80-D80	Immunodeficiency with predominantly antibody defects
3D80-D81	Combined immunodeficiencies
3D80-D82	Immunodeficiency associated with other major defects
3D80-D83	Common variable immunodeficiency
3D80-D84	Other immunodeficiencies
3D80-D86	Sarcoidosis
3D80-D89	Other disorders involving the immune mechanism, not elsewhere classified
4E00-E00	Congenital iodine-deficiency syndrome
4E00-E01	Iodine-deficiency-related thyroid disorders and allied conditions
4E00-E02	Subclinical iodine-deficiency hypothyroidism
4E00-E03	Other hypothyroidism
4E00-E04	Other nontoxic goitre
4E00-E05	Thyrotoxicosis [hyperthyroidism]
4E00-E06	Thyroiditis
4E00-E07	Other disorders of thyroid
4E10-E10	Insulin-dependent diabetes mellitus
4E10-E11	Non-insulin-dependent diabetes mellitus
4E10-E12	Malnutrition-related diabetes mellitus
4E10-E13	Other specified diabetes mellitus
4E10-E14	Unspecified diabetes mellitus
4E15-E15	Nondiabetic hypoglycaemic coma
4E15-E16	Other disorders of pancreatic internal secretion
4E20-E20	Hypoparathyroidism
4E20-E21	Hyperparathyroidism and other disorders of parathyroid gland
4E20-E22	Hyperfunction of pituitary gland
4E20-E23	Hypofunction and other disorders of pituitary gland
4E20-E24	Cushing's syndrome
4E20-E25	Adrenogenital disorders
4E20-E26	Hyperaldosteronism
4E20-E27	Other disorders of adrenal gland
4E20-E28	Ovarian dysfunction
4E20-E29	Testicular dysfunction
4E20-E30	Disorders of puberty, not elsewhere classified
4E20-E31	Polyglandular dysfunction

4E20-E32	Diseases of thymus
4E20-E34	Other endocrine disorders
4E40-E40	Kwashiorkor
4E40-E41	Nutritional marasmus
4E40-E42	Marasmic kwashiorkor
4E40-E43	Unspecified severe protein-energy malnutrition
4E40-E44	Protein-energy malnutrition of moderate and mild degree
4E40-E45	Retarded development following protein-energy malnutrition
4E40-E46	Unspecified protein-energy malnutrition
4E50-E50	Vitamin A deficiency
4E50-E51	Thiamine deficiency
4E50-E52	Niacin deficiency [pellagra]
4E50-E53	Deficiency of other B group vitamins
4E50-E54	Ascorbic acid deficiency
4E50-E55	Vitamin D deficiency
4E50-E56	Other vitamin deficiencies
4E50-E58	Dietary calcium deficiency
4E50-E59	Dietary selenium deficiency
4E50-E60	Dietary zinc deficiency
4E50-E61	Deficiency of other nutrient elements
4E50-E63	Other nutritional deficiencies
4E50-E64	Sequelae of malnutrition and other nutritional deficiencies
4E65-E65	Localized adiposity
4E65-E66	Obesity
4E65-E67	Other hyperalimentation
4E65-E68	Sequelae of hyperalimentation
4E70-E70	Disorders of aromatic amino-acid metabolism
4E70-E71	Disorders of branched-chain amino-acid metabolism and fatty-acid metabolism
4E70-E72	Other disorders of amino-acid metabolism
4E70-E73	Lactose intolerance
4E70-E74	Other disorders of carbohydrate metabolism
4E70-E75	Disorders of sphingolipid metabolism and other lipid storage disorders
4E70-E76	Disorders of glycosaminoglycan metabolism
4E70-E77	Disorders of glycoprotein metabolism
4E70-E78	Disorders of lipoprotein metabolism and other lipidaemias
4E70-E79	Disorders of purine and pyrimidine metabolism

4E70-E80	Disorders of porphyrin and bilirubin metabolism
4E70-E83	Disorders of mineral metabolism
4E70-E84	Cystic fibrosis
4E70-E85	Amyloidosis
4E70-E86	Volume depletion
4E70-E87	Other disorders of fluid, electrolyte and acid-base balance
4E70-E88	Other metabolic disorders
4E70-E89	Postprocedural endocrine and metabolic disorders, not elsewhere classified
5F00-F01	Vascular dementia
5F00-F03	Unspecified dementia
5F00-F04	Organic amnesic syndrome, not induced by alcohol and other psychoactive substances
5F00-F05	Delirium, not induced by alcohol and other psychoactive substances
5F00-F06	Other mental disorders due to brain damage and dysfunction and to physical disease
5F00-F07	Personality and behavioural disorders due to brain disease, damage and dysfunction
5F00-F09	Unspecified organic or symptomatic mental disorder
5F10-F10	Mental and behavioural disorders due to use of alcohol
5F10-F11	Mental and behavioural disorders due to use of opioids
5F10-F12	Mental and behavioural disorders due to use of cannabinoids
5F10-F13	Mental and behavioural disorders due to use of sedatives or hypnotics
5F10-F14	Mental and behavioural disorders due to use of cocaine
5F10-F15	Mental and behavioural disorders due to use of other stimulants, including caffeine
5F10-F16	Mental and behavioural disorders due to use of hallucinogens
5F10-F17	Mental and behavioural disorders due to use of tobacco
5F10-F18	Mental and behavioural disorders due to use of volatile solvents
5F10-F19	Mental and behavioural disorders due to multiple drug use and use of other psychoactive substances
5F20-F20	Schizophrenia
5F20-F21	Schizotypal disorder
5F20-F22	Persistent delusional disorders
5F20-F23	Acute and transient psychotic disorders
5F20-F24	Induced delusional disorder
5F20-F25	Schizoaffective disorders

5F20-F28	Other nonorganic psychotic disorders
5F20-F29	Unspecified nonorganic psychosis
5F30-F30	Manic episode
5F30-F31	Bipolar affective disorder
5F30-F32	Depressive episode
5F30-F33	Recurrent depressive disorder
5F30-F34	Persistent mood [affective] disorders
5F30-F38	Other mood [affective] disorders
5F30-F39	Unspecified mood [affective] disorder
5F40-F40	Phobic anxiety disorders
5F40-F41	Other anxiety disorders
5F40-F42	Obsessive-compulsive disorder
5F40-F43	Reaction to severe stress, and adjustment disorders
5F40-F44	Dissociative [conversion] disorders
5F40-F45	Somatoform disorders
5F40-F48	Other neurotic disorders
5F50-F50	Eating disorders
5F50-F51	Nonorganic sleep disorders
5F50-F52	Sexual dysfunction, not caused by organic disorder or disease
5F50-F53	Mental and behavioural disorders associated with the puerperium, not elsewhere classified
5F50-F54	Psychological and behavioural factors associated with disorders or diseases classified elsewhere
5F50-F55	Abuse of non-dependence-producing substances
5F50-F59	Unspecified behavioural syndromes associated with physiological disturbances and physical factors
5F60-F60	Specific personality disorders
5F60-F61	Mixed and other personality disorders
5F60-F62	Enduring personality changes, not attributable to brain damage and disease
5F60-F63	Habit and impulse disorders
5F60-F64	Gender identity disorders
5F60-F65	Disorders of sexual preference
5F60-F66	Psychological and behavioural disorders associated with sexual development and orientation
5F60-F68	Other disorders of adult personality and behaviour
5F60-F69	Unspecified disorder of adult personality and behaviour
5F70-F70	Mild mental retardation
5F70-F71	Moderate mental retardation

5F70-F72	Severe mental retardation
5F70-F73	Profound mental retardation
5F70-F78	Other mental retardation
5F70-F79	Unspecified mental retardation
5F80-F80	Specific developmental disorders of speech and language
5F80-F81	Specific developmental disorders of scholastic skills
5F80-F82	Specific developmental disorder of motor function
5F80-F83	Mixed specific developmental disorders
5F80-F84	Pervasive developmental disorders
5F80-F88	Other disorders of psychological development
5F80-F89	Unspecified disorder of psychological development
5F90-F90	Hyperkinetic disorders
5F90-F91	Conduct disorders
5F90-F92	Mixed disorders of conduct and emotions
5F90-F93	Emotional disorders with onset specific to childhood
5F90-F94	Disorders of social functioning with onset specific to childhood and adolescence
5F90-F95	Tic disorders
5F90-F98	Other behavioural and emotional disorders with onset usually occurring in childhood and adolescence
5F99-F99	Mental disorder, not otherwise specified
6G00-G00	Bacterial meningitis, not elsewhere classified
6G00-G03	Meningitis due to other and unspecified causes
6G00-G04	Encephalitis, myelitis and encephalomyelitis
6G00-G06	Intracranial and intraspinal abscess and granuloma
6G00-G08	Intracranial and intraspinal phlebitis and thrombophlebitis
6G00-G09	Sequelae of inflammatory diseases of central nervous system
6G10-G10	Huntington's disease
6G10-G11	Hereditary ataxia
6G10-G12	Spinal muscular atrophy and related syndromes
6G10-G14	Postpolio Syndrome
6G20-G20	Parkinson's disease
6G20-G21	Secondary parkinsonism
6G20-G23	Other degenerative diseases of basal ganglia
6G20-G24	Dystonia
6G20-G25	Other extrapyramidal and movement disorders
6G30-G30	Alzheimer's disease
6G30-G31	Other degenerative diseases of nervous system, not elsewhere classified

6G35-G35	Multiple sclerosis
6G35-G36	Other acute disseminated demyelination
6G35-G37	Other demyelinating diseases of central nervous system
6G40-G40	Epilepsy
6G40-G41	Status epilepticus
6G40-G43	Migraine
6G40-G44	Other headache syndromes
6G40-G45	Transient cerebral ischaemic attacks and related syndromes
6G40-G47	Sleep disorders
6G50-G50	Disorders of trigeminal nerve
6G50-G51	Facial nerve disorders
6G50-G52	Disorders of other cranial nerves
6G50-G54	Nerve root and plexus disorders
6G50-G56	Mononeuropathies of upper limb
6G50-G57	Mononeuropathies of lower limb
6G50-G58	Other mononeuropathies
6G60-G60	Hereditary and idiopathic neuropathy
6G60-G61	Inflammatory polyneuropathy
6G60-G62	Other polyneuropathies
6G60-G64	Other disorders of peripheral nervous system
6G70-G70	Myasthenia gravis and other myoneural disorders
6G70-G71	Primary disorders of muscles
6G70-G72	Other myopathies
6G80-G80	Cerebral palsy
6G80-G81	Hemiplegia
6G80-G82	Paraplegia and tetraplegia
6G80-G83	Other paralytic syndromes
6G90-G90	Disorders of autonomic nervous system
6G90-G91	Hydrocephalus
6G90-G92	Toxic encephalopathy
6G90-G93	Other disorders of brain
6G90-G95	Other diseases of spinal cord
6G90-G96	Other disorders of central nervous system
6G90-G97	Postprocedural disorders of nervous system, not elsewhere classified
6G90-G98	Other disorders of nervous system, not elsewhere classified
7H00-H00	Hordeolum and chalazion
7H00-H01	Other inflammation of eyelid

7H00-H02	Other disorders of eyelid
7H00-H04	Disorders of lacrimal system
7H00-H05	Disorders of orbit
7H10-H10	Conjunctivitis
7H10-H11	Other disorders of conjunctiva
7H15-H15	Disorders of sclera
7H15-H16	Keratitis
7H15-H17	Corneal scars and opacities
7H15-H18	Other disorders of cornea
7H15-H20	Iridocyclitis
7H15-H21	Other disorders of iris and ciliary body
7H25-H25	Senile cataract
7H25-H26	Other cataract
7H25-H27	Other disorders of lens
7H30-H30	Chorioretinal inflammation
7H30-H31	Other disorders of choroid
7H30-H33	Retinal detachments and breaks
7H30-H34	Retinal vascular occlusions
7H30-H35	Other retinal disorders
7H40-H40	Glaucoma
7H43-H43	Disorders of vitreous body
7H43-H44	Disorders of globe
7H46-H46	Optic neuritis
7H46-H47	Other disorders of optic [2nd] nerve and visual pathways
7H49-H49	Paralytic strabismus
7H49-H50	Other strabismus
7H49-H51	Other disorders of binocular movement
7H49-H52	Disorders of refraction and accommodation
7H53-H53	Visual disturbances
7H53-H54	Visual impairment including blindness (binocular or monocular)
7H55-H55	Nystagmus and other irregular eye movements
7H55-H57	Other disorders of eye and adnexa
7H55-H59	Postprocedural disorders of eye and adnexa, not elsewhere classified
8H60-H60	Otitis externa
8H60-H61	Other disorders of external ear
8H65-H65	Nonsuppurative otitis media
8H65-H66	Suppurative and unspecified otitis media

8H65-H68	Eustachian salpingitis and obstruction
8H65-H69	Other disorders of Eustachian tube
8H65-H70	Mastoiditis and related conditions
8H65-H71	Cholesteatoma of middle ear
8H65-H72	Perforation of tympanic membrane
8H65-H73	Other disorders of tympanic membrane
8H65-H74	Other disorders of middle ear and mastoid
8H80-H80	Otosclerosis
8H80-H81	Disorders of vestibular function
8H80-H83	Other diseases of inner ear
8H90-H90	Conductive and sensorineural hearing loss
8H90-H91	Other hearing loss
8H90-H92	Otalgia and effusion of ear
8H90-H93	Other disorders of ear, not elsewhere classified
8H90-H95	Postprocedural disorders of ear and mastoid process, not elsewhere classified
9I00-I00	Rheumatic fever without mention of heart involvement
9I00-I01	Rheumatic fever with heart involvement
9I00-I02	Rheumatic chorea
9I05-I05	Rheumatic mitral valve diseases
9I05-I06	Rheumatic aortic valve diseases
9I05-I07	Rheumatic tricuspid valve diseases
9I05-I08	Multiple valve diseases
9I05-I09	Other rheumatic heart diseases
9I10-I10	Essential (primary) hypertension
9I10-I11	Hypertensive heart disease
9I10-I12	Hypertensive renal disease
9I10-I13	Hypertensive heart and renal disease
9I10-I15	Secondary hypertension
9I20-I20	Angina pectoris
9I20-I21	Acute myocardial infarction
9I20-I22	Subsequent myocardial infarction
9I20-I23	Certain current complications following acute myocardial infarction
9I20-I24	Other acute ischaemic heart diseases
9I20-I25	Chronic ischaemic heart disease
9I26-I26	Pulmonary embolism
9I26-I27	Other pulmonary heart diseases

9I26-I28	Other diseases of pulmonary vessels
9I30-I30	Acute pericarditis
9I30-I31	Other diseases of pericardium
9I30-I33	Acute and subacute endocarditis
9I30-I34	Nonrheumatic mitral valve disorders
9I30-I35	Nonrheumatic aortic valve disorders
9I30-I36	Nonrheumatic tricuspid valve disorders
9I30-I37	Pulmonary valve disorders
9I30-I38	Endocarditis, valve unspecified
9I30-I40	Acute myocarditis
9I30-I42	Cardiomyopathy
9I30-I44	Atrioventricular and left bundle-branch block
9I30-I45	Other conduction disorders
9I30-I46	Cardiac arrest
9I30-I47	Paroxysmal tachycardia
9I30-I48	Atrial fibrillation and flutter
9I30-I49	Other cardiac arrhythmias
9I30-I50	Heart failure
9I30-I51	Complications and ill-defined descriptions of heart disease
9I60-I60	Subarachnoid haemorrhage
9I60-I61	Intracerebral haemorrhage
9I60-I62	Other nontraumatic intracranial haemorrhage
9I60-I63	Cerebral infarction
9I60-I64	Stroke, not specified as haemorrhage or infarction
9I60-I65	Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction
9I60-I66	Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction
9I60-I67	Other cerebrovascular diseases
9I60-I69	Sequelae of cerebrovascular disease
9I70-I70	Atherosclerosis
9I70-I71	Aortic aneurysm and dissection
9I70-I72	Other aneurysm and dissection
9I70-I73	Other peripheral vascular diseases
9I70-I74	Arterial embolism and thrombosis
9I70-I77	Other disorders of arteries and arterioles
9I70-I78	Diseases of capillaries
9I80-I80	Phlebitis and thrombophlebitis

9I80-I81	Portal vein thrombosis
9I80-I82	Other venous embolism and thrombosis
9I80-I83	Varicose veins of lower extremities
9I80-I84	Haemorrhoids
9I80-I85	Oesophageal varices
9I80-I86	Varicose veins of other sites
9I80-I87	Other disorders of veins
9I80-I88	Nonspecific lymphadenitis
9I80-I89	Other noninfective disorders of lymphatic vessels and lymph nodes
9I95-I95	Hypotension
9I95-I97	Postprocedural disorders of circulatory system, not elsewhere classified
9I95-I99	Other and unspecified disorders of circulatory system

1. Code List: Condition Status

- Identifier: CL_CONDITION_STATUS
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Condition Status

```
<structure:CodeList id="CL_CONDITION_STATUS" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_CONDITION_STATUS[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
1	Positive
2	Negative

1. Code List: Currency

- Identifier: CL_CURRENCY
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Currency list based ISO 4217 Currency Char 3 Code

```
<structure:CodeList id="CL_CURRENCY" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
```

HD:CL_CURRENCY[1.0]" />

Key	Value (EN)
AED	UAE Dirham
AFN	Afghani
ALL	Lek
AMD	Armenian Dram
ANG	Netherlands Antillian Guilder
AOA	Kwanza
ARS	Argentine Peso
AUD	Australian Dollar
AWG	Aruban Guilder
AZN	Azerbaijani Manat
BAM	Convertible Marks
BBD	Barbados Dollar
BDT	Taka
BGN	Bulgarian Lev
BHD	Bahraini Dinar
BIF	Burundi Franc
BMD	Bermudian Dollar
BND	Brunei Dollar
BOB	Boliviano
BOV	Mvdol
BRL	Brazilian Real
BSD	Bahamian Dollar
BTN	Ngultrum
BWP	Pula
BYR	Belarussian Ruble
BZD	Belize Dollar
CAD	Canadian Dollar
CDF	Franc Congolais
CHE	WIR Euro
CHF	Swiss Franc
CHW	WIR Franc
CLF	Unidades de fomento
CLP	Chilean Peso
CNY	Yuan Renminbi
COP	Colombian Peso

COU	Unidad de Valor real
CRC	Costa Rican Colon
CUC	Peso Convertible
CUP	Cuban Peso
CVE	Cape Verde Escudo
CZK	Czech Koruna
DJF	Djibouti Franc
DKK	Danish Krone
DOP	Dominican Peso
DZD	Algerian Dinar
EEK	Kroon
EGP	Egyptian Pound
ERN	Nakfa
ETB	Ethiopian Birr
EUR	Euro
FJD	Fiji Dollar
FKP	Falkland Island Pound
GBP	Pound Sterling
GEL	Lari
GHS	Cedi
GIP	Gibraltar Pound
GMD	Dalasi
GNF	Guinea Franc
GTQ	Quetzal
GWP	Guinea-Bissau Peso
GYD	Guyana Dollar
HKD	Hong Kong Dollar
HNL	Lempira
HRK	Croatian Kuna
HTG	Gourde
HUF	Forint
IDR	Rupiah
ILS	New Israeli Sheqel
INR	Indian Rupee
IQD	Iraqi Dinar
IRR	Iranian Rial
ISK	Iceland Krona
JMD	Jamaican Dollar

JOD	Jordanian Dinar
JPY	Yen
KES	Kenyan Shilling
KGS	Som
KHR	Riel
KMF	Comoro Franc
KPW	North Korean Won
KRW	Won
KWD	Kuwaiti Dinar
KYD	Cayman Islands Dollar
KZT	Tenge
LAK	Kip
LBP	Lebanese Pound
LKR	Sri Lanka Rupee
LRD	Liberian Dollar
LSL	Loti
LTL	Lithuanian Litas
LVL	Latvian Lats
LYD	Libyan Dinar
MAD	Moroccan Dirham
MDL	Moldovan Leu
MGA	Malagasy Ariary
MKD	Denar
MMK	Kyat
MNT	Tugrik
MOP	Pataca
MRO	Ouguiya
MUR	Mauritius Rupee
MVR	Rufiyaa
MWK	Kwacha
MXN	Mexican Peso
MXV	Mexican Unidad de Inversion (UDI)
MYR	Malaysian Ringgit
MZN	Metical
NAD	Namibia Dollar
NGN	Naira
NIO	Cordoba Oro
NOK	Norwegian Krone

NPR	Nepalese Rupee
NZD	New Zealand Dollar
OMR	Rial Omani
PAB	Balboa
PEN	Nuevo Sol
PGK	Kina
PHP	Philippine Peso
PKR	Pakistan Rupee
PLN	Zloty
PYG	Guarani
QAR	Qatari Rial
RON	New Leu
RSD	Serbian Dinar
RUB	Russian Ruble
RWF	Rwanda Franc
SAR	Saudi Riyal
SBD	Solomon Islands Dollar
SCR	Seychelles Rupee
SDG	Sudanese Pound
SEK	Swedish Krona
SGD	Singapore Dollar
SHP	Saint Helena Pound
SLL	Leone
SOS	Somali Shilling
SRD	Surinam Dollar
STD	Dobra
SVC	El Salvador Colon
SYP	Syrian Pound
SZL	Lilangeni
THB	Baht
TJS	Somoni
TMT	Manat
TND	Tunisian Dinar
TOP	Pa'anga
TRY	Turkish Lira
TTD	Trinidad and Tobago Dollar
TWD	New Taiwan Dollar
TZS	Tanzanian Shilling

UAH	Hryvnia
UGX	Uganda Shilling
USD	US Dollar
USN	US Dollar (Next Day)
USS	US Dollar (Same Day)
UYI	Uruguay Peso en Unidades Indexadas
UYU	Peso Uruguayo
UZS	Uzbekistan Sum
VEF	Bolivar Fuerte
VND	Dong
VUV	Vatu
WST	Tala
XAF	CFA Franc BEAC
XAG	Silver
XAU	Gold
XBA	Bond Markets Units European Composite Unit (EURCO)
XBB	European Monetary Unit (E.M.U.-6)
XBC	European Unit of Account 9 (E.U.A.-9)
XBD	European Unit of Account 17 (E.U.A.-17)
XCD	East Caribbean Dollar
XDR	SDR
XFU	UIC-Franc
XOF	CFA Franc BCEAO
XPD	Palladium
XPF	CFP Franc
XPT	Platinum
XTS	Codes specifically reserved for testing purposes
XXX	The codes assigned for transactions where no currency is involved are:
YER	Yemeni Rial
ZAR	Rand
ZMK	Zambian Kwacha
ZWL	Zimbabwe Dollar

1. Code List: Disaggregation

- Identifier: CL_DISAGG
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Disaggregation dimensions.

```
<structure:CodeList id="CL_DISAGG" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_DISAGG[1.0]" />
```

Key	Value (EN)
1	Age
16	Geographic Location
18	Gender
19	Education
21	Sector
22	Cause of Death
27	Marital Status
28	Boundaries
29	Condition Status
30	Income
6	Services
8	Type of Value
9	Target Population

1. Code List: Data Source Type

- Identifier: CL_DSTYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Generic source type for the data.

```
<structure:CodeList id="CL_DSTYPE" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_DSTYPE[1.0]" />
```

Key	Value (EN)
_NA	Not Applicable
_UNK	Unknown
1	Population census
10	Client records and registers
11	Other program monitoring tools
2	Household survey
3	Civil registration
4	Disease surveillance
5	Individual or patient records

6	Service or facility records
7	National health accounts
8	Facility registers
9	Registers/databases

1. Code List: Datatype Representation

- Identifier: CL_DTYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is the format in which the data is presented to the user.

```
<structure:CodeList id="CL_DTYPE" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx.org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_DTYPE[1.0]" />
```

Key	Value (EN)
1	Count
2	Logical
3	Money
4	Percent
5	Ratio
6	Score
7	Statistic
8	Categorical

1. Code List: Followup Period

- Identifier: CL_FPERIOD
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is the interval for followup visits.

```
<structure:CodeList id="CL_FPERIOD" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx.org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_FPERIOD[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
1	One month
2	Three months

3	Six months
4	Twelve months
5	Eighteen months
6	Twenty-four months
7	Thirty-six months

1. Code List: Frequency

- Identifier: CL_FREQ
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Actual frequency of data collection. It provides a list of values indicating the "frequency" of the data (e.g. monthly) and, thus, indirectly, also implying the type of "time reference" that could be used for identifying the data with respect time. This code list is used to provide values, usually, to the dimension "frequency" used in identifying and distinguishing aggregates and data, that may appear in various frequencies (e.g. monthly, quarterly, annual), usually based on the same methodology). The appropriate value to choose for a series should correspond to the highest frequency at which the series may be observed. For example, sometimes there are series that may change have a new observation every two or three months but without a prefixed pattern. In this case the code "M" (=monthly) should be used (denoting the highest possible frequency that could be observed in the series). And if there was a possibility, in such a (rarely changing) series, that two different values might appear within the same month at two different dates, in this case the frequency D (=daily) or B (=business) should be used (as this would be the highest observable frequency), even if the series eventually has a lots of "holes". See: http://sdmx.org/wp-content/uploads/2009/01/02_sdmx_cog_annex_2_cl_2009.pdf

```
<structure:CodeList id="CL_FREQ" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_FREQ[1.0]" />
```

Key	Value (EN)
A	Annually
AH	Ad hoc
B	Daily - business week
BM	Bimonthly
C	Continuously
D	Daily
M	Monthly
N	Minutely
P	Periodic

Q	Quarterly
S	Half-yearly, semester, biannual
W	Weekly
Z	Biennially, every two years

1. Code List: Geographic Boundary Type

- Identifier: CL_GBOUNDARY_TYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Geographic boundary type.

```
<structure:CodeList id="CL_GBOUNDARY_TYPE" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_GBOUNDARY_TYPE[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
1	Administrative
2	Health
3	Political
4	Organizational

1. Code List: Country Code

- Identifier: CL_GCODE_COUNTRY
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

ISO 3166-1 Country Char 2 Code

```
<structure:CodeList id="CL_GCODE_COUNTRY" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_GCODE_COUNTRY[1.0]" />
```

Key	Value (EN)
AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda
AI	Anguilla

AL	Albania
AM	Armenia
AN	Netherlands Antilles
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AX	Åland Islands
AZ	Azerbaijan
BA	Bosnia and Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BL	Saint Barthélemy
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos (Keeling) Islands
CD	Congo, The Democratic Republic Of The
CF	Central African Republic
CG	Congo
CH	Switzerland

CI	Côte D'Ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CU	Cuba
CV	Cape Verde
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia, Federated States Of
FO	Faroe Islands
FR	France
GA	Gabon
GB	United Kingdom
GD	Grenada
GE	Georgia
GF	French Guiana
GG	Guernsey
GH	Ghana

GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	South Georgia and the South Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HM	Heard and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel
IM	Isle of Man
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran (Islamic Republic Of)
IS	Iceland
IT	Italy
JE	Jersey
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts And Nevis

KP	Korea, Democratic People's Republic Of
KR	Korea, Republic of
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Democratic Republic
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libyan Arab Jamahiriya
MA	Morocco
MC	Monaco
MD	Moldova (the Republic of)
ME	Montenegro
MF	Saint Martin
MG	Madagascar
MH	Marshall Islands
MK	Macedonia, the Former Yugoslav Republic Of
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macao
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia

MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	The Federal Democratic Republic of Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre And Miquelon
PN	Pitcairn
PR	Puerto Rico
PS	Palestinian Territory, Occupied
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Réunion
RO	Romania
RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan

SE	Sweden
SG	Singapore
SH	Saint Helena
SI	Slovenia
SJ	Svalbard And Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
ST	Sao Tome and Principe
SV	El Salvador
SY	Syrian Arab Republic
SZ	Swaziland
TC	Turks and Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TL	Timor-Leste
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TR	Turkey
TT	Trinidad and Tobago
TV	Tuvalu
TW	Taiwan, Province Of China
TZ	Tanzania, United Republic of
UA	Ukraine
UG	Uganda
UM	United States Minor Outlying Islands
US	United States
UY	Uruguay
UZ	Uzbekistan
VA	Holy See (Vatican City State)

VC	Saint Vincent And The Grenedines
VE	Venezuela
VG	Virgin Islands, British
VI	Virgin Islands, U.S.
VN	Viet Nam
VU	Vanuatu
WF	Wallis and Futuna
WS	Samoa
YE	Yemen
YT	Mayotte
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe

1. Code List: Gender

- Identifier: CL_GENDER
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is self-reported sexual orientation.

```
<structure:CodeList id="CL_GENDER" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_GENDER[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
1	Male
2	Female
3	Transgender

1. Code List: Geographic Place Name

- Identifier: CL_GEOGRAPHIC_PLACE_NAME
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is a placeholder codelist: populate it with ISO/3166-2 codes for sub-national level-1 places (see http://www.commondatahub.com/live/geography/state_province_region/iso_3166_2_state_codes); Whenever a sub-national place is included in this list, the country it belongs to must also be included here, so that HY_GEOGRAPHIC_PLACE_NAME can be

populated accordingly. The root of the hierarchy is always the international level, so it is included by default below.

```
<structure:CodeList id="CL_GEOGRAPHIC_PLACE_NAME"
agencyID="SDMX-HD" version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_GEOGRAPHIC_PLACE_NAME[1.0]" />
```

Key	Value (EN)
00	International

1. Code List: Geographic Level

- Identifier: CL_GLEVEL
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Geographic hierarchy level.

```
<structure:CodeList id="CL_GLEVEL" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_GLEVEL[1.0]" />
```

Key	Value (EN)
_UNK	Unknown
0	National
1	First administrative level
-1	International
10	Tenth administrative level
2	Second administrative level
3	Third administrative level
4	Fourth administrative level
5	Fifth administrative level
6	Sixth administrative level
7	Seventh administrative level
8	Eighth administrative level
9	Ninth administrative level

1. Code List: Geographic Location

- Identifier: CL_GLOCATION
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is the urban/rural categorization of location.

```
<structure:CodeList id="CL_GLOCATION" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_GLOCATION[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
1	Capital City
2	Rural
3	Urban

1. Code List: Health Indicator Framework

- Identifier: CL_HIF
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

ISO DIS 21667 Health informatics, Health indicators conceptual framework

```
<structure:CodeList id="CL_HIF" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_HIF[1.0]" />
```

Key	Value (EN)
1	Health Status
10	Socioeconomic Factors
11	Social and Community Factors
12	Environmental Factors
13	Genetic Factors
14	Acceptability
15	Accessibility
16	Appropriateness
17	Competence
18	Continuity
19	Effectiveness
2	Determinants of Health
20	Efficiency
21	Safety
22	Resources
23	Population
24	Health System

3	Health System Performance
4	Community and Health System Characteristics
5	Well-being
6	Health Conditions
7	Human Function
8	Deaths
9	Health Behaviors

1. Code List: Individual Income

- Identifier: CL_INCOME
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Individual income level.

```
<structure:CodeList id="CL_INCOME" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_INCOME[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
1	Low
2	Middle
3	High

1. Code List: Indicator Set

- Identifier: CL_ISET
- Agency [version]: SDMX-HD[1.0]
- IsFinal: false (can be modified)

Used for ad hoc grouping of related indicators and other Indicator Sets

```
<structure:CodeList id="CL_ISET" agencyID="SDMX-HD" version="1.0"
isFinal="false"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_ISET[1.0]" />
```

Key	Value (EN)
_ALL	Default indicator set containing all indicators.

1. Code List: Generic Extended Boolean Values

- Identifier: CL_LOGICAL
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Generic Extended Boolean Values list e.g indicators of type Logical

```
<structure:CodeList id="CL_LOGICAL" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_LOGICAL[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
0	No
1	Yes

1. Code List: Monitoring and Evaluation Framework

- Identifier: CL_METYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Monitoring and Evaluation framework.

```
<structure:CodeList id="CL_METYPE" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_METYPE[1.0]" />
```

Key	Value (EN)
_NA	Not Applicable
_UNK	Unknown
1	Input
2	Process
3	Output
4	Outcome
5	Impact

1. Code List: Observation Status

- Identifier: CL_OBS_STATUS
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Replaces CL_SPECIAL_VALUE; This code list provides coded information about the "status" of an observation (with

respect events such as the ones reflected in the codes composing the code list).

See: http://sdmx.org/wp-content/uploads/2009/01/02_sdmx_cog_annex_2_cl_2009.pdf

```
<structure:CodeList id="CL_OBS_STATUS" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_OBS_STATUS[1.0]" />
```

Key	Value (EN)
A	Normal
B	Break
E	Estimated value
I	Imputed value (CCSA definition)
L	Missing value; data exist but were not collected
M	Missing value
N	Insignificant
P	Provisional value
Q	Missing value; suppressed
R	Revised
U	Unreliable - bad quality
Z	Not applicable

1. Code List: Operand type of indicator

- Identifier: CL_OPERAND
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Operand type of indicator, e.g. numerator

```
<structure:CodeList id="CL_OPERAND" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_OPERAND[1.0]" />
```

Key	Value (EN)
1	Numerator
2	Denominator

1. Code List: Organization Type

- Identifier: CL_OTYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is the generic type of organization.

```
<structure:CodeList id="CL_OTYPE" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_OTYPE[1.0]" />
```

Key	Value (EN)
1	University
10	Parastatal
11	Host Country Government Agency
12	Bilateral
2	Non-governmental Organization (NGO)
3	Private contractor
6	Multilateral
9	Foundation

1. Code List: Program

- Identifier: CL_PROGRAM
- Agency [version]: SDMX-HD[1.0]
- IsFinal: false ([can be modified](#))

A Program is a generic terms used to describe project, programme area, etc. So a project is a program of type project, a programme area is a program of type programme area etc etc.

```
<structure:CodeList id="CL_PROGRAM" agencyID="SDMX-HD" version="1.0"
isFinal="false"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_PROGRAM[1.0]" />
```

Key	Value (EN)
_NA	Used by HY_INDICATOR_DISAGGREGATION for systems that do not implement PROGRAMS.

1. Code List: Programme Status

- Identifier: CL_PSTATUS
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true ([read-only](#))

This is the management status of a programme.

```
<structure:CodeList id="CL_PSTATUS" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_PSTATUS[1.0]" />
```

Key	Value (EN)
_ALL	All

_NA	Not Applicable
_UNK	Unknown
1	Cancelled
2	Cloned
3	Committed
4	Completed
5	In Abeyance
6	Ongoing
7	Other
8	Planned

1. Code List: Programme Type

- Identifier: CL_PTYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Level in activity aggregation hierarchy.

```
<structure:CodeList id="CL_PTYPE" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx.org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_PTYPE[1.0]" />
```

Key	Value (EN)
1	Monitoring Plan
2	Program Area
3	Project
4	Intervention
5	Activity

1. Code List: Sector

- Identifier: CL_SECTOR
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is the economic sector.

```
<structure:CodeList id="CL_SECTOR" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx.org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_SECTOR[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable

_UNK	Unknown
1	Private
2	Public

1. Code List: Sex

- Identifier: CL_SEX
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Biologic sex.

```
<structure:CodeList id="CL_SEX" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_SEX[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
1	Male
2	Female
3	Hermaphrodite

1. Code List: Statistic Type

- Identifier: CL_STYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is the generic statistic type based on methodology.

```
<structure:CodeList id="CL_STYPE" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_STYPE[1.0]" />
```

Key	Value (EN)
_NA	Not Applicable
_UNK	Unknown
1	Crude
2	Corrected
3	Predicted

1. Code List: Target Population

- Identifier: CL_TPOP

- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is the target population associated with the measurement..

```
<structure:CodeList id="CL_TPOP" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_TPOP[1.0]" />
```

Key	Value (EN)
_ALL	All
_NA	Not Applicable
_UNK	Unknown
1	Adults
10	Clients of Sex Workers
100	Street Youth
101	Transgender Individuals
102	Seafarers/port and Dockworkers
103	Refugees / Internally displaced persons
104	National Aids Coordinating Agency
105	National Aids Council Program Staff
107	National Health Laboratory Personnel
108	National Staff in HIV/AIDS Prevention
109	Non-OVC Boys
11	Injecting Drug Users
110	Non-OVC Girls
111	Non-OVC Primary School Students
112	Non-OVC Secondary School Students
113	Non-OVC University Students
115	Nutritionists
116	Other Private Health Care Workers
117	Parents (adults of reproductive age)
12	Men who have Sex with Men
121	Private Pharmacists
122	Policy Makers
123	Private Doctor
124	Private Laboratory
125	Private Nurses
126	Private Health Care Workers
127	Pharmacists

128	Traditional Birth Attendant
129	Traditional Healers
13	Mobile Populations
131	Program Managers
133	Public Doctor
134	Public Laboratory
135	Public Nurses
136	Public Pharmacists
14	Prisoners
141	Public Health Care Workers
143	Refugees
144	Religious Leaders
145	Sex Partners
146	Social Workers
147	Special Populations
148	TB Patients
15	Sex Workers
150	Trainers
154	Volunteers
155	Widows and Widowers
156	Youth (Boys)
157	Youth (Girls)
16	Uniformed Services
17	Non-Governmental Organisations (NGOs)
18	Orphans and Vulnerable Children
19	ART
2	Children
20	STI (sexually-transmitted infections)
21	TB (tuberculosis)
22	People Living with HIV
23	Pregnant Women
25	Men
26	Women
27	Primary Education
28	Secondary Education
29	Tertiary Education
3	Infants
30	Teachers

31	Men (incl. reproductive age)
32	Women (incl. reproductive age)
33	Allied Health Workers
35	Brothel Owners
36	Factory Workers
37	Caregivers (of OVC and PLWAs)
38	Children Affected/Infected with HIV/AIDS
39	Civilian Populations (only if the activity is DOD)
40	Community
41	Community-based Organizations
42	Community Leaders
43	Counselors
44	Country-coordinating Mechanisms
45	Female (<5)
46	Female (5-9)
47	Female (10-14)
48	Female (15-24)
49	Female (25+)
5	Youth
50	Male (<5)
51	Male (5-9)
52	Male (10-14)
53	Male (15-24)
54	Male (25+)
55	Non-injecting Drug Users (includes alcohol use)
56	Persons in Prostitution
57	Persons Who Exchange Sex for Money And Not Identified as Prostitution
58	Disabled Populations
59	District Multi-Sectoral AIDS Committees
6	Caregiver
61	Faith-based Organizations
62	Family-planning Clients
64	General Population
66	Groups/Organizations
67	Health Care Providers
68	Health Care Waste Handlers
69	Doctors

7	Discordant Couples
70	Nurses
71	High-Risk population
72	HIV+Children (5-14 years)
73	HIV+ Children (6-14 yrs)
74	HIV+ Individuals
75	HIV+ Infants (0-4 years)
76	HIV+ Infants (0-5 yrs)
77	HIV+ Pregnant Women
78	HIV/AIDS-affected Families
79	Government Workers
80	Government Teachers
83	Government MOH Staff
84	Government Policy Makers
86	National Counterparts
87	Implementing Organizations
9	Health Care Workers
90	Incinerator Operators
91	Injection Providers
92	International Counterpart Organization
93	Laboratory Personnel
94	M&E Specialist Staff
95	Management and Administrative Staff
96	Media
97	Military Personnel
98	Miners
99	Out-of-school Youth

1. Code List: Unit

- Identifier: CL_UNIT
- Agency [version]: SDMX-HD[1.0]
- IsFinal: false ([can be modified](#))

This is the computer-readable unit.

```
<structure:CodeList id="CL_UNIT" agencyID="SDMX-HD" version="1.0"
isFinal="false"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_UNIT[1.0]" />
```

Key	Value (EN)
-----	------------

_NA	Not Applicable
_UNK	Unknown
2001	Kilometers
2002	Miles
3001	Pounds
3002	Kilograms
3003	Metric Tons
4100	Births
4200	Deaths
5001	Year
5002	Month
5003	Day
5004	Minute
AED	UAE Dirham
AFN	Afghani
ALL	Lek
AMD	Armenian Dram
ANG	Netherlands Antillian Guilder
AOA	Kwanza
ARS	Argentine Peso
AUD	Australian Dollar
AWG	Aruban Guilder
AZN	Azerbaijani Manat
BAM	Convertible Marks
BBD	Barbados Dollar
BDT	Taka
BGN	Bulgarian Lev
BHD	Bahraini Dinar
BIF	Burundi Franc
BMD	Bermudian Dollar
BND	Brunei Dollar
BOB	Boliviano
BOV	Mvdol
BRL	Brazilian Real
BSD	Bahamian Dollar
BTN	Ngultrum
BWP	Pula
BYR	Belarussian Ruble

BZD	Belize Dollar
CAD	Canadian Dollar
CDF	Franc Congolais
CHE	WIR Euro
CHF	Swiss Franc
CHW	WIR Franc
CLF	Unidades de fomento
CLP	Chilean Peso
CNY	Yuan Renminbi
COP	Colombian Peso
COU	Unidad de Valor real
CRC	Costa Rican Colon
CUC	Peso Convertible
CUP	Cuban Peso
CVE	Cape Verde Escudo
CZK	Czech Koruna
DJF	Djibouti Franc
DKK	Danish Krone
DOP	Dominican Peso
DZD	Algerian Dinar
EEK	Kroon
EGP	Egyptian Pound
ERN	Nakfa
ETB	Ethiopian Birr
EUR	Euro
FJD	Fiji Dollar
FKP	Falkland Island Pound
GBP	Pound Sterling
GEL	Lari
GHS	Cedi
GIP	Gibraltar Pound
GMD	Dalasi
GNF	Guinea Franc
GTQ	Quetzal
GWP	Guinea-Bissau Peso
GYD	Guyana Dollar
HKD	Hong Kong Dollar
HNL	Lempira

HRK	Croatian Kuna
HTG	Gourde
HUF	Forint
IDR	Rupiah
ILS	New Israeli Sheqel
INR	Indian Rupee
IQD	Iraqi Dinar
IRR	Iranian Rial
ISK	Iceland Krona
JMD	Jamaican Dollar
JOD	Jordanian Dinar
JPY	Yen
KES	Kenyan Shilling
KGS	Som
KHR	Riel
KMF	Comoro Franc
KPW	North Korean Won
KRW	Won
KWD	Kuwaiti Dinar
KYD	Cayman Islands Dollar
KZT	Tenge
LAK	Kip
LBP	Lebanese Pound
LKR	Sri Lanka Rupee
LRD	Liberian Dollar
LSL	Loti
LTL	Lithuanian Litas
LVL	Latvian Lats
LYD	Libyan Dinar
MAD	Moroccan Dirham
MDL	Moldovan Leu
MGA	Malagasy Ariary
MKD	Denar
MMK	Kyat
MNT	Tugrik
MOP	Pataca
MRO	Ouguiya
MUR	Mauritius Rupee

MVR	Rufiyaa
MWK	Kwacha
MXN	Mexican Peso
MXV	Mexican Unidad de Inversion (UDI)
MYR	Malaysian Ringgit
MZN	Metical
NAD	Namibia Dollar
NGN	Naira
NIO	Cordoba Oro
NOK	Norwegian Krone
NPR	Nepalese Rupee
NZD	New Zealand Dollar
OMR	Rial Omani
PAB	Balboa
PEN	Nuevo Sol
PGK	Kina
PHP	Philippine Peso
PKR	Pakistan Rupee
PLN	Zloty
PYG	Guarani
QAR	Qatari Rial
RON	New Leu
RSD	Serbian Dinar
RUB	Russian Ruble
RWF	Rwanda Franc
SAR	Saudi Riyal
SBD	Solomon Islands Dollar
SCR	Seychelles Rupee
SDG	Sudanese Pound
SEK	Swedish Krona
SGD	Singapore Dollar
SHP	Saint Helena Pound
SLL	Leone
SOS	Somali Shilling
SRD	Surinam Dollar
STD	Dobra
SVC	El Salvador Colon
SYP	Syrian Pound

SZL	Lilangeni
THB	Baht
TJS	Somoni
TMT	Manat
TND	Tunisian Dinar
TOP	Pa'anga
TRY	Turkish Lira
TTD	Trinidad and Tobago Dollar
TWD	New Taiwan Dollar
TZS	Tanzanian Shilling
UAH	Hryvnia
UGX	Uganda Shilling
USD	US Dollar
USN	US Dollar (Next Day)
USS	US Dollar (Same Day)
UYI	Uruguay Peso en Unidades Indexadas
UYU	Peso Uruguayo
UZS	Uzbekistan Sum
VEF	Bolivar Fuerte
VND	Dong
VUV	Vatu
WST	Tala
XAF	CFA Franc BEAC
XAG	Silver
XAU	Gold
XBA	Bond Markets Units European Composite Unit (EURCO)
XBB	European Monetary Unit (E.M.U.-6)
XBC	European Unit of Account 9 (E.U.A.-9)
XBD	European Unit of Account 17 (E.U.A.-17)
XCD	East Caribbean Dollar
XDR	SDR
XFU	UIC-Franc
XOF	CFA Franc BCEAO
XPD	Palladium
XPF	CFP Franc
XPT	Platinum
XTS	Codes specifically reserved for testing purposes

XXX	The codes assigned for transactions where no currency is involved are:
YER	Yemeni Rial
ZAR	Rand
ZMK	Zambian Kwacha
ZWL	Zimbabwe Dollar

1. Code List: Unit Groups

- Identifier: CL_UNIT_GROUP
- Agency [version]: SDMX-HD[1.0]
- IsFinal: false ([can be modified](#))

A way to logically group common units of measure

```
<structure:CodeList id="CL_UNIT_GROUP" agencyID="SDMX-HD"
version="1.0" isFinal="false"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_UNIT_GROUP[1.0]" />
```

Key	Value (EN)
1	Currency
2	Distance
3	Weight
4	Vital Events
5	Time

1. Code List: Multiplier

- Identifier: CL_UNIT_MULT
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true ([read-only](#))

ID: UNIT_MULT (name needs to be changed to this)

Exponent in base 10 specified so that multiplying the observation
numeric values by 10^UNIT_MULT gives a value expressed in the unit of measure.

See: http://sdmx.org/wp-content/uploads/2009/01/02_sdmx_cog_annex_2_cl_2009.pdf

In some data bases, it is referred to as SCALE, MAGNITUDE or
POWER, e.g. "Multiplier=6" means that observations are in millions, "Multiplier=-2" means a percentage.

CODELIST: CL_UNIT_MULT

```
<structure:CodeList id="CL_UNIT_MULT" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_UNIT_MULT[1.0]" />
```

Key	Value (EN)
-----	------------

_NA	Not Applicable
_UNK	Unknown
0	Units
1	10
-1	.1
2	100
-2	.01
3	1,000
4	10,000
5	100,000
6	1,000,000
7	10,000,000
8	100,000,000

1. Code List: Unit Qualifier

- Identifier: CL_UNIT_QUALIFIER
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is a user-friendly combination of numerator, multiplier, and denominator for presentation.

```
<structure:CodeList id="CL_UNIT_QUALIFIER" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_UNIT_QUALIFIER[1.0]" />
```

Key	Value (EN)
1	Deaths per 1000 live births
2	Deaths per 100 000 live births
3	Births per 1000 womens in the respective age group
4	Deaths per 100 000 live population

1. Code List: Value Type

- Identifier: CL_VALUE_TYPE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This distinguishes between targets and values.

```
<structure:CodeList id="CL_VALUE_TYPE" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
```

```
HD:CL_VALUE_TYPE[1.0]" />
```

Key	Value (EN)
0	Target
1	Value

1. Code List: Version Status

- Identifier: CL_VSTATUS
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This is the status of this version of the measurement.

```
<structure:CodeList id="CL_VSTATUS" agencyID="SDMX-HD" version="1.0"
isFinal="true" urn="urn:sdmx:org.sdmx.infomodel.codelist.CodeList=SDMX-
HD:CL_VSTATUS[1.0]" />
```

Key	Value (EN)
1	Preliminary
2	Initial
3	Draft
4	Active
5	Revised
6	Final
7	Retired
8	Marked for Deletion

1. SDMX-HD v1.0 ConceptSchemes and Concepts

Location : COMMON/SDMX-HD/conceptschemes:

1. Concept Scheme: SDMX-HD Common Attribute and Metadata Attribute Elements

- Identifier: CS_ATTRIBUTE
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This Concept Scheme contains harmonized data elements used across multiple metadata codelists.

```
<structure:ConceptScheme id="CS_ATTRIBUTE" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.conceptscheme.ConceptScheme=SDMX-
HD:CS_ATTRIBUTE[1.0]" />
```


Concept Id	Format	Name (EN)	Description (EN)
_ACRONYM	String	Acronym	A generic way to define an acronym
_CODE	String	Code	A generic way to define a code
_CREATED_BY	String	User who created the information	A generic way to define the user who created the information
_CREATED_ON	DateTime	Created On UTC Date	A generic way to define the date something was created as a UTC Date
_DESCRIPTION	String	Description	A generic way to define a description
_IS_ARCHIVED	Boolean	Is Archived	A generic way to flag if some information is Archived. i.e. not currently in use but needed for historical data
_IS_READONLY	Boolean	Is Read Only	A generic way to define if information is read-only
_ORDER_BY	Integer	Order By	A generic way to define the sort order of some information
_UID	String	Unique Identifier	A generic way to define a global unique identifier
_UPDATED_BY	String	User who last updated the information	A generic way to define the user who updated the information
_UPDATED_ON	DateTime	Updated On UTC Date	A generic way to define the date something was updated as a UTC Date
_VERSION	String	Version	A generic way to define the version of the information
_VSTATUS	Coded	Version Status	A generic way to define the version status of the information
ASOURCE	Coded	Administrative Source	Public health initiative to which the indicator is linked.
CALENDAR_TYPE	Coded	Calendar Type	Used to identify if the calendar type of observational data is fiscal or like SDMX's ISO 8601 implementation
COMMENT_DATASET	String	Dataset Comment	A comment related to the Dataset
COMMENT_IND	String	Indicator Comment	A comment related to the Indicator
COMMENT_OBS	String	Observation Comment	A comment related to the observational data recorded.
CONDITION	Coded	Condition	Condition
CONTACT	Coded	Contact	Individual or organisational contact points for the data or metadata, including information on how to reach the contact points.

CONTACT_EMAIL	String	Contact email address	E-mail address of the contact point for the data or metadata
CONTACT_FAX	String	Contact fax number	Fax number of the contact points for the data or metadata.
CONTACT_FUNCT	String	Contact function	The area of technical responsibility of the contact, such as "methodology", "database management", "dissemination",.
CONTACT_MAIL	String	Contact mail address	The postal address of the contact point for the data or metadata.
CONTACT_PHONE	String	Contact phone number	The telephone number of the contact points for the data or metadata.
CURRENCY	Coded	Currency	Currency.
DATE_COLLECT	Date	Date of Collection	Date of data collection.
DDATE	Date	Definition Date	Date of definition of the indicator.
DISAGG	Coded	Disaggregation	Dimensions upon which the indicator is disaggregated.
DOC	String	Documentation	Explanation of how the indicator is calculated, including an example or hyperlink.
DSOURCE	Coded	Data Source	The different data collection/measurement tools that are used for the construction of the indicator or data elements.
DSTYPE	Coded	Data Source Type	The type of data source
DTYPE	Coded	Datatype	Type of indicator value.
DUNS	String	Data Universal Numbering System	The Data Universal Numbering System (DUNS) is a system developed and regulated by Dun & Bradstreet (D&B) which assigns a unique numeric identifier to a single business entity.
EXPERT	String	Domain Expert	Person to contact for questions regarding indicator
FDATA	Year	Year of First Available Data	Year of the first available data available in the dataset for the indicator.
FPERIOD	Coded	Follow-up Period	Follow-up time periods.
GBOUNDARY_TYPE	Coded	Geographic Boundary Type	Type of boundary entity, e.g. administrative.
GCODE_COUNTRY	Coded	Country list	ISO 3166 two-character country code

GLATITUDE	String	Geographic Latitude	Geographic Latitude
GLEVEL	Coded	Geographic Level	Geographic Administrative Level
GLONGITUDE	String	Geographic Longitude	Geographic Longitude
GUIDE	String	Guidelines	Provides the reference document where the indicator is described, including links.
HIF	Coded	Health Indicators Framework	ISO/TS 21667:2004(E) Health Indicators Conceptual Framework (hierarchy parent)
KWORDS	String	Keywords	Keywords for searching for this indicator
LDATA	Year	Year of Latest Available Data	Year of the latest available data available in the dataset for the indicator
LIMIT	String	Strengths and limitations	Explains (1) the strengths of the indicator, i.e. what the meaning of the indicator is within a programmatic context and why it is useful to collect and (2) the weaknesses of the indicator, i.e. what the indicator does not measure
LOGICAL_VALUE	Coded	Indicator Value of type Logical	Represent an Indicator of type Logical where the observation data is often an answer to a question : Yes or No
METHOD	String	Methodology	Indicates the methodology for data collection not otherwise specified
METYPE	Coded	ME Type	Classification of the indicator based on its Monitoring and Evaluation context
MULT	Coded	Multiplier	This number multiplied by the value computes the actual indicator value
OBS_STATUS	Coded	Observation Status	Observation Status
OPERAND	Coded	Operand	Operand.
ORG_COMP	Coded	Compiling Organization	Organization that compiled the data
ORG_MAINT	Coded	Maintaining Organization	Organization maintaining indicator definition.
ORG_RESP	Coded	Responsible Organization	Lead agency(s) which published indicator, indicator source.
OSOURCE	String	Other Sources	All other data sources from which information for the indicator could be collected.
OTYPE	Coded	Organization Type	Organization type.

PERIODICITY	Coded	Periodicity	Periodicity refers to the frequency of compilation of the data (e.g., a time series could be available at annual frequency but the underlying data could be compiled monthly, thus have a monthly periodicity).
PREFERRED	Boolean	Preferred Definition	Indicates the preferred indicator among related indicators and versions.
PSOURCE	String	Preferred Sources	Ideal data sources at the national level from which information for the indicator should be collected.
PSTATUS	Coded	Programme Status	Programme status.
PTYPE	Coded	Programme Type	Programme type hierarchy.
RATIONALE	String	Rationale or Purpose	Rationale or purpose for the indicator.
RDATA	Date	Date of reporting of data.	Date of reporting of data.
RPERIOD	String	Reference Period	Reference period for annual reports which may include data for various years.
SDESIGN	String	Sample Design	Survey sample design.
SET	Coded	Indicator Set	Indicator set.
SEX	Coded	Biologic Sex	Biologic sex.
SHORT_NAME	String	Short Name	This is an abbreviated version of the indicator name.
SSIZE	String	Sample Size	Survey sample size.
START_DATE_OFFSET	String	Start Date Offset	Used to identify the offset (in days) from the start of the year when the calendar type is not ISO 8601.
STATUS	String	Status	Indicates whether the indicator is not in use, or under development.
TCOLLECT	String	Type of Data Collection	Lists the different data collection methods that may be used to collect indicator data.
TSTAT	Coded	Type of Statistics	Type of statistics of the data point.
UNIT	Coded	Unit of measure	The unit associated with an indicator value.
UNIT_GROUP	String	The group for which the unit of measure	The group for which the Unit of measure belongs e.g The Unit Group - Weight has unit of measure kg,lbs etc

belongs

1. Concept Scheme: SDMX-HD Common Mandatory Data Elements

- Identifier: CS_COMMON
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This Concept Scheme contains harmonized data elements.

```
<structure:ConceptScheme id="CS_COMMON" agencyID="SDMX-HD"
version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.conceptscheme.ConceptScheme=SDMX-
HD:CS_COMMON[1.0]" />
```

Concept Id	Format	Name (EN)	Description (EN)
DATAELEMENT	Coded	Data Element	Data Element
FREQ	Coded	Frequency	Frequency refers to the time interval between the observations of a time series.
GEOGRAPHIC_PLACE_NAME	Coded	Geographical Placename	The geographical polygon, line, point etc that the data is associated to.
INDICATOR	Coded	The indicator	The indicator
OBS_VALUE	Decimal	Indicator Value	Value of indicator.
ORGANIZATION	Coded	Providing Organization	Organization providing the data.
PROG	Coded	Programme	Programme by which indicators rollup for reporting.
TIME_PERIOD	String	Time Period	Time Period

1. Concept Scheme: SDMX-HD Common Disaggregation Elements

- Identifier: CS_DISAGGREGATION
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

This Concept Scheme contains harmonized data elements.

```
<structure:ConceptScheme id="CS_DISAGGREGATION"
agencyID="SDMX-HD" version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.conceptscheme.ConceptScheme=SDMX-
HD:CS_DISAGGREGATION[1.0]" />
```

Concept Id	Format	Name (EN)	Description (EN)
AGROUP	Coded	Age Group	A group of age ranges by which observational data may be disaggregated
BOUNDARIES	Coded	Boundaries	Upper and lower boundaries for a point.
COD	Coded	Cause of Death	Cause of Death
CONDITION_STATUS	Coded	Condition Status	Condition Status
EDUC	Coded	Education	Education level of the population for which data are collected.
GENDER	Coded	Gender	Gender of the population for which data are collected.
GLOCATION	Coded	Location	Location of the population for which data are collected, e.g. urban or rural.
INCOME	Coded	Income	Income
MARITAL_STATUS	String	Marital Status	Marital Status
SECTOR	Coded	Sector	Type of sector on which data are collected.
SERVICES	String	Services	A classification of inputs into topic areas to facilitate management and analysis of indicators
TPOP	Coded	Target Population	Terms which describe the focus of the indicator in terms of the specific population, if any.
VALUE_TYPE	Coded	Type of Value	Type of indicator value

1. SDMX-HD v1.0 Hierarchical Code-lists and Hierarchies



Location : COMMON/SDMX-HD/hierarchies:

1. Hierarchical Code Lists: SDMX-HD HIF HIERARCHY

- Identifier: HCL_COMMON_HY_HIF
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Health Indicator Framework

```
<structure:HierarchicalCodelist id="HCL_COMMON_HY_HIF"
agencyID="SDMX-HD" version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.hierarchicalcodelist.HierarchicalCodelist=SDMX-
HD:HCL_COMMON_HY_HIF[1.0]" />
```

- ☐  DOM
 - ☐  Hierarchical Code-Lists
 - ☐ Health Indicator Framework Hierarchy
 - ☐ 1 → Health Status
 - 5 → Well-being
 - 6 → Health Conditions
 - 7 → Human Function
 - 8 → Deaths
 - ☐ 2 → Determinants of Health
 - 9 → Health Behaviors
 - 10 → Socioeconomic Factors
 - 11 → Social and Community Factors
 - 12 → Environmental Factors
 - 13 → Genetic Factors
 - ☐ 3 → Health System Performance
 - 14 → Acceptability
 - 15 → Accessibility
 - 16 → Appropriateness
 - 17 → Competence
 - 18 → Continuity
 - 19 → Effectiveness
 - 20 → Efficiency
 - 21 → Safety
 - ☐ 4 → Community and Health System Characteristics
 - 22 → Resources
 - 23 → Population
 - 24 → Health System

1. Hierarchical Code Lists: SDMX-HD UNIT

HIERARCHY

- Identifier: HCL_COMMON_HY_UNIT
- Agency [version]: SDMX-HD[1.0]
- IsFinal: true (read-only)

Unit of Measure Hierarchy

```
<structure:HierarchicalCodelist id="HCL_COMMON_HY_UNIT"
agencyID="SDMX-HD" version="1.0" isFinal="true"
urn="urn:sdmx:org.sdmx.infomodel.hierarchicalcodelist.HierarchicalCodelist=SDMX-
HD:HCL_COMMON_HY_UNIT[1.0]" />
```

- ☐  DOM
 - ☐  Hierarchical Code-Lists
 - ☐ Unit of Measure to Measure Units (Distance, Weight) Hierarchy
 - ☐ 1 → Currency
 - AFN → Afghani
 - DZD → Algerian Dinar
 - ARS → Argentine Peso
 - AMD → Armenian Dram
 - AWG → Aruban Guilder
 - AUD → Australian Dollar
 - AZN → Azerbaijanian Manat
 - BSD → Bahamian Dollar
 - BHD → Bahraini Dinar
 - THB → Baht
 - PAB → Balboa
 - BBD → Barbados Dollar
 - BYR → Belarussian Ruble
 - BZD → Belize Dollar
 - BMD → Bermudian Dollar
 - VEF → Bolivar Fuerte
 - BOB → Boliviano
 - XBA → Bond Markets Units European Composite Unit (EUR)
 - BRL → Brazilian Real
 - BND → Brunei Dollar
 - BGN → Bulgarian Lev
 - BIF → Burundi Franc
 - CAD → Canadian Dollar
 - CVE → Cape Verde Escudo
 - KYD → Cayman Islands Dollar
 - GHS → Cedi
 - XOF → CFA Franc BCEAO
 - XAF → CFA Franc BEAC
 - XPF → CFP Franc
 - CLP → Chilean Peso

- XTS → Codes specifically reserved for testing purposes
- COP → Colombian Peso
- KMF → Comoro Franc
- BAM → Convertible Marks
- NIO → Cordoba Oro
- CRC → Costa Rican Colon
- HRK → Croatian Kuna
- CUP → Cuban Peso
- CZK → Czech Koruna
- GMD → Dalasi
- DKK → Danish Krone
- MKD → Denar
- DJF → Djibouti Franc
- STD → Dobra
- DOP → Dominican Peso
- VND → Dong
- XCD → East Caribbean Dollar
- EGP → Egyptian Pound
- SVC → El Salvador Colon
- ETB → Ethiopian Birr
- EUR → Euro
- XBB → European Monetary Unit (E.M.U.-6)
- XBD → European Unit of Account 17 (E.U.A.-17)
- XBC → European Unit of Account 9 (E.U.A.-9)
- FKP → Falkland Island Pound
- FJD → Fiji Dollar
- HUF → Forint
- CDF → Franc Congolais
- GIP → Gibraltar Pound
- XAU → Gold
- HTG → Gourde
- PYG → Guarani
- GNF → Guinea Franc
- GWP → Guinea-Bissau Peso
- GYD → Guyana Dollar
- HKD → Hong Kong Dollar
- UAH → Hryvnia
- ISK → Iceland Krona
- INR → Indian Rupee
- IRR → Iranian Rial
- IQD → Iraqi Dinar
- JMD → Jamaican Dollar
- JOD → Jordanian Dinar
- KES → Kenyan Shilling
- PGK → Kina
- LAK → Kip

- EEK → Kroon
- KWD → Kuwaiti Dinar
- MWK → Kwacha
- AOA → Kwanza
- MMK → Kyat
- GEL → Lari
- LVL → Latvian Lats
- LBP → Lebanese Pound
- ALL → Lek
- HNL → Lempira
- SLL → Leone
- LRD → Liberian Dollar
- LYD → Libyan Dinar
- SZL → Lilangeni
- LTL → Lithuanian Litas
- LSL → Loti
- MGA → Malagasy Ariary
- MYR → Malaysian Ringgit
- TMT → Manat
- MUR → Mauritius Rupee
- MZN → Metical
- MXN → Mexican Peso
- MXV → Mexican Unidad de Inversion (UDI)
- MDL → Moldovan Leu
- MAD → Moroccan Dirham
- BOV → Mvdol
- NGN → Naira
- ERN → Nakfa
- NAD → Namibia Dollar
- NPR → Nepalese Rupee
- ANG → Netherlands Antillian Guilder
- ILS → New Israeli Sheqel
- RON → New Leu
- TWD → New Taiwan Dollar
- NZD → New Zealand Dollar
- BTN → Ngultrum
- KPW → North Korean Won
- NOK → Norwegian Krone
- PEN → Nuevo Sol
- MRO → Ouguiya
- TOP → Pa'anga
- PKR → Pakistan Rupee
- XPD → Palladium
- MOP → Pataca
- CUC → Peso Convertible
- UYU → Peso Uruguayo

- PHP → Philippine Peso
- XPT → Platinum
- GBP → Pound Sterling
- BWP → Pula
- QAR → Qatari Rial
- GTQ → Quetzal
- ZAR → Rand
- OMR → Rial Omani
- KHR → Riel
- MVR → Rufiyaa
- IDR → Rupiah
- RUB → Russian Ruble
- RWF → Rwanda Franc
- SHP → Saint Helena Pound
- SAR → Saudi Riyal
- XDR → SDR
- RSD → Serbian Dinar
- SCR → Seychelles Rupee
- XAG → Silver
- SGD → Singapore Dollar
- SBD → Solomon Islands Dollar
- KGS → Som
- SOS → Somali Shilling
- TJS → Somoni
- LKR → Sri Lanka Rupee
- SDG → Sudanese Pound
- SRD → Surinam Dollar
- SEK → Swedish Krona
- CHF → Swiss Franc
- SYP → Syrian Pound
- BDT → Taka
- WST → Tala
- TZS → Tanzanian Shilling
- KZT → Tenge
- XXX → The codes assigned for transactions where no curren
- TTD → Trinidata and Tobago Dollar
- MNT → Tugrik
- TND → Tunisian Dinar
- TRY → Turkish Lira
- AED → UAE Dirham
- UGX → Uganda Shilling
- XFU → UIC-Franc
- COU → Unidad de Valor real
- CLF → Unidades de fomento
- UYI → Uruguay Peso en Unidades Indexadas
- USD → US Dollar

- USN → US Dollar (Next Day)
- USS → US Dollar (Same Day)
- UZS → Uzbekistan Sum
- VUV → Vatu
- CHE → WIR Euro
- CHW → WIR Franc
- KRW → Won
- YER → Yemeni Rial
- JPY → Yen
- CNY → Yuan Renminbi
- ZMK → Zambian Kwacha
- ZWL → Zimbabwe Dollar
- PLN → Zloty
- 2 → Distance
 - 2001 → Kilometers
 - 2002 → Miles
- 3 → Weight
 - 3001 → Pounds
 - 3002 → Kilograms
 - 3003 → Metric Tons
- 4 → Vital Events
 - 4100 → Births
 - 4200 → Deaths
- 5 → Time
 - 5001 → Year
 - 5002 → Month
 - 5003 → Day
 - 5004 → Minute

1. SDMX-HD v1.0 OrganisationSchemes and OrganisationScheme

Location : COMMON/SDMX-HD/organisationschemes:

1. Organisation Scheme: SDMX-HD Global Organizational Scheme

- Identifier: ORGS_COMMON
- Agency [version]: SDMX-HD[]
- IsFinal: false ([can be modified](#))

SDMX-HD Global Organizational Scheme, as defined by WHO at time of publication

```
<structure:ConceptScheme id="ORGS_COMMON" agencyID="SDMX-HD"
version="1.0" isFinal="false"
urn="urn:sdmx:org.sdmx.infomodel.organisationscheme.OrganisationScheme=SDMX-
HD:ORGS_COMMON[1.0]" />
```

Agency Id	Name (EN)	Description (EN)
FAO	Food and Agriculture Organization	The United Nations Food and Agriculture Organization.
NA_COMMISSION	National AIDS Commission	National AIDS Commission
NA_COMMITTEE	National AIDS Committee	National AIDS Committee
SDMX-HD	SDMX-HD	SDMX-HD Generic Agency for COMMON Code Lists and Concepts
UNAIDS	The Joint United Nations Programme on HIV/AIDS	The Joint United Nations Programme on HIV/AIDS.
UNICEF	The United Nations Children's Fund	The United Nations Children's Fund.
UNSD	United Nations Statistics Division	United Nations Statistics Division
USG	United States Government	United States Government
USG_CDC	United States Government Centre for Disease Control	United States Government Centre for Disease Control
USG_USAID	United States Agency for International Development	United States Agency for International Development
WHO	World Health Organization	The United Nations World Health Organization.

SDMX-HD Standard v1.0

v1.0 Final - August 30th 2010

Specification URI: <http://sdmx-hd.org/projects/show/sdmx-hd-standards>

Technical Committee: <http://sdmx-hd.org/projects/show/sdmx-hd-standards>

Chair: Patrick Whitaker (whitakerp@who.int)

Editors

- Bob Jolliffe (bojjolliffe@gmail.com)
- Gary Patchen (gary.patchen@b-i.com)

Part 1: The markup of SDMX-HD messages

1. Abstract

This specification has three parts.

- Part 1 (this document) defines the structures and semantics of XML markup to be used in SDMX-HD messages.
- Part 2 defines common concepts, codelists, codes, hierarchical code lists and hierarchies to be used in SDMX-HD messages.
- Part 3 defines the packaging of SDMX-HD messages.

2. Status

Final draft for public review

3. Notices

This version of the document is placed explicitly in the public domain by the author.

[It will be Copyright WHO 2009. With an appropriate licence which permits liberal reuse once licence text is finalized]

4. Introduction

4.1 Purpose and Scope

SDMX-HD messages are defined for the purpose of exchanging indicator definitions and aggregate data and metadata in the health domain (the HD

suffix indicates Health Domain). SDMX-HD messages may be used at and between all administrative levels, including facility, district, national and international levels.

4.2 Conformance

The verb **shall** shall be used to convey a strict requirement for conformance to the standard.

The verb **should** shall be used to convey a recommendation that is optional in achieving conformance to that specific standard; i.e., recommendations that may be followed exactly as written, ignored while remaining in conformance with the standard, or achieved through another method.

The verb **may** shall be used to grant permission, without being a requirement or recommendation.

The standard may be accompanied by other non-normative electronic material such as schema, validation tools, samples and implementor's guidelines. Where there is any contradiction between this document and accompanying material this document shall be authoritative.

4.3 Definition of terms

- When this document refers to **the SDMX Standard** it refers particularly to the document entitled "SDMX -ML: Schema and Documentation (Version 2.0)" available from http://sdmx.org/docs/2_0/SDMX_2_0_SECTION_03A_SDMX_ML.pdf and the electronic appendix available from "http://sdmx.org/docs/2_0/SDMX_2_0_SECTION_03B_SDMX-ML_Schemas_and_Samples.zip".
- **SDMX message namespace** is the namespace referenced by: "http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message"
- **SDMX structure namespace** is the namespace referenced by: "http://www.SDMX.org/resources/SDMXML/schemas/v2_0/structure"
- An **SDMX-HD message** is always a valid SDMX message with a root element which is declared in the in the SDMX message namespace. Further constraints on the content of the message types are provided in this standard.
- **SDMX-HD package** is a set of SDMX-HD messages which together provide a complete information set for the transmission structural and reference metadata. And SDMX-HD package may additionally include SDMX-HD compact or cross-sectional data messages. Package formats are described in Part 3 of this standard.
- The abbreviation DSD refers to an SDMX data structure definition. A data structure definition is an SDMX structure message which contains a KeyFamily element for the purpose of defining the structure of data messages.
- The abbreviation MSD refers to an SDMX metadata structure definition. An MSD is an SDMX structure message which contains a MetaDataStructureDefinition element for the purpose of defining the structure of data messages.

5. SDMX-HD messages

An SDMX-HD message is a valid instance of an SDMX message as defined by [ISO/TS 17369:2005]. A message can be one of either:

- an SDMX structure message;
- an SDMX compact dataset message;
- an SDMX cross-sectional dataset message;
- an SDMX generic metadata message; or
- an SDMX metadata report message

Producers of an SDMX-HD message shall include an SDMX Header element. The Header shall include ID, Name, Prepared, Test, Truncated and Sender child elements. Producers may also include additional valid Header elements from the SDMX Message namespace.

6. SDMX-HD Structure Message

An SDMX-HD structure message is a valid SDMX-HD message which shall have a root element of Structure from the SDMX message namespace. A single SDMX-HD structure message shall not contain both KeyFamily and MetaDataStructureDefinition elements.

Each element from the structure namespace may have an agencyID attribute which indicates the agency responsible for maintenance of the content of that structural element. If an SDMX-HD producer produces an SDMX package which contains any structure message with an agencyID attribute, then it should also produce an Agency element within an OrganisationScheme element which provides a description of the agencyID attribute referenced in the package.

A special case value of AgencyID is SDMX-HD. Structures with AgencyID of SDMX-HD are available to all implementors of SDMX-HD and are referred to in this document as common.

SDMX-HD producers shall not generate or alter the contents of structure elements without the authority of the agency referred to by AgencyID attribute. The SDMX-HD technical committee is the only authority permitted to alter contents of common structure elements.

If an SDMX-HD producer alters or generates the contents of a structure element for which the attribute isFinal has the value of "true", then it shall also produce a new version attribute value to reflect the versioned change.

7. General Rules for SDMX-HD Structure Messages

This section contains rules about an SDMX-HD Structure Message. It does not replicate existing constraints - which should be validated with the SDMX W3C schemas. It does provide additional constraints which conforming producers of an SDMX-HD DSD and an SDMX-HD MSD shall comply with.

7.1 Namespaces referenced

This specification makes use of elements from the namespaces in the table below. For convenience they are referred to in the text using the prefixes from this table.

Prefix	Namespace
msg	http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message
st	http://www.SDMX.org/resources/SDMXML/schemas/v2_0/structure

7.2 Rules relating to the naming of structure element ids

7.2.1 KeyFamilies

Context: st:KeyFamily

- a. A KeyFamily id attribute shall be prefixed by the string "KF_" and have at least one following character.

Test: substring(@id,1,3)='KF_' and string-length(@id)>3

7.2.2 CodeLists

Context: st:CodeList

- a. A CodeList id attribute shall be prefixed by the string "CL_" and have at least one following character.

Test: substring(@id,1,3)='CL_' and string-length(@id)>3

7.2.3 CodeList Alias

Context: st:CodelistRef

- a. A CodeList Alias shall be prefixed by the string "AL_" and have at least one following character.

Test: substring(st:Alias,1,3)='AL_' and string-length(st:Alias)>3

7.2.4 ConceptSchemes

Context: st:ConceptScheme

- a. A ConceptScheme id attribute shall be prefixed by the string "CS_" and have at least one following character.

Test: substring(@id,1,3)='CS_' and string-length(@id)>3

7.2.5 HierarchicalCodelists

Context: st:HierarchicalCodelist

- a. A HierarchicalCodelist id attribute shall be prefixed by the string "HCL_" and have at least one following character.

Test: substring(@id,1,4)='HCL_' and string-length(@id)>4

7.2.6 Hierarchies

Context: st:Hierarchy

- a. A Hierarchy id attribute shall be prefixed by the string "HY_" and have at least one following character.

Test: substring(@id,1,3)='HY_' and string-length(@id)>3

7.2.7 MetadataStructureDefinitions

Context: st:MetadataStructureDefinition

- a. A MetadataStructureDefinition id attribute shall be prefixed by the string "MSD_" and have at least one following character.

Test: substring(@id,1,4)='MSD_' and string-length(@id)>4

7.2.8 FullTargetIdentifiers

Context: st:FullTargetIdentifier

- a. A FullTargetIdentifier id attribute shall be prefixed by the string "FTI_" and have at least one following character.

Test: substring(@id,1,4)='FTI_' and string-length(@id)>4

7.2.9 PartialTargetIdentifiers

Context: st:PartialTargetIdentifier

- a. A PartialTargetIdentifier id attribute shall be prefixed by the string "PTI_" and have at least one following character.

Test: substring(@id,1,4)='PTI_' and string-length(@id)>4

7.2.10 IdentifierComponents

Context: st:IdentifierComponent

- a. A IdentifierComponent id attribute shall be prefixed by the string "IC_" and have at least one following character.

Test: substring(@id,1,3)='IC_' and string-length(@id)>3

7.2.11 ReportStructures

Context: st:ReportStructure

- a. A ReportStructure id attribute shall be prefixed by the string "RS_" and have at least one following character.

Test: substring(@id,1,3)='RS_' and string-length(@id)>3

7.3 Structure elements which are external references

The generic rules below are applied by substituting parameters from this table.

element
st:CodeList
st:ConceptScheme
st:HierarchicalCodelist
st:OrganisationScheme

7.3.1 Structure element

Context: \$element[@isExternalReference='true']

Variable: extElement = document(@uri)//\$element

- a. Elements may be declared with external references within a DSD document. It is an error if the uri attribute does not resolve to a resource with an element identified by the id, agencyID, version, isFinal and urn attributes.

Test: \$extElement/@id=@id and \$extElement/@agencyID=@agencyID and \$extElement/@version=@version and \$extElement/@isFinal=@isFinal
--

8. Rules for an SDMX-HD Data Structure Definition

This section contains rules for producers and consumers of an SDMX-HD Data Structure Definition. It does not replicate existing constraints - which should be validated with the SDMX W3C schemas. It does provide additional constraints which conforming producers of an SDMX-HD DSD shall comply with. The rules together form a schema for SDMX-HD DSD expressed in the ISO Schematron schema language.

Each rule consists of a context and a list of assertions. The context is expressed as a W3C XPath 1.0 expression, which identifies one or more elements within a conforming DSD document. The assertions are natural language assertions which must be true in the given context. A test for each assertion is also provided as a W3C XPath 1.0 expression.

The XPath expressions may refer to key elements from the XSLT 1.0 namespace. The list of such XSLT keys declared is given below.

8.1 XSL keys referenced

Name	Match
volatile_aliases	//st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIE'] /st:CodelistRef
dimensions	//st:Dimension

8.2 Namespaces referenced

This specification makes use of elements from the namespaces in the table below. For convenience they are referred to in the text using the prefixes from this table.

Prefix	Namespace
msg	http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message
st	http://www.SDMX.org/resources/SDMXML/schemas/v2_0/structure

8.3 General rules for DSD structure message

An SDMX DSD message is a valid SDMX Structure message which has additional constraints imposed upon it.

8.3.1 Required elements of a DSD

Context: /msg:Structure

- a. A DSD document shall have at least one KeyFamily element from the SDMX message namespace.

Test: msg:KeyFamilies/st:KeyFamily

- b. A DSD document shall have one CodeLists element from the SDMX message namespace.

Test: count(msg:CodeLists)=1

- c. A DSD document shall have one Concepts element from the SDMX message namespace.

Test: count(msg:Concepts)=1

- d. A DSD document shall have one HierarchicalCodelists element from the SDMX message namespace.

Test: count(msg:HierarchicalCodelists)=1

8.4 General rules for HierarchicalCodeLists

8.4.1 Required HierarchicalCodeLists

Context: msg:HierarchicalCodelists

- a. Conforming producers should use a HierarchicalCodelist with id=HCL_CONFIGURATION_HIERARCHIES and isFinal=false in order to configure the KeyFamily.

Test: count(st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES' and @isFinal='false'])=1

8.4.2 Codelist references

Context: msg:HierarchicalCodelists/st:HierarchicalCodelist/st:CodelistRef

Variable: id = st:CodelistID

Variable: agency = st:AgencyID

Variable: version = st:Version

Variable: codelist = /msg:Structure/msg:CodeLists/st:CodeList[@id=\$id and @agencyID=\$agency and @version=\$version]

- a. It is an error if a CodelistRef used in a hierarchy refers to a code list which has not been defined in msg:CodeLists

Test: count(\$codelist)=1

8.4.3 Code references

Context: msg:HierarchicalCodelists//st:CodeRef

Variable: parent = ancestor::st:HierarchicalCodeList

Variable: alias = st:CodelistAliasRef

Variable: code_id = st:CodeID

Variable: codelistref = \$parent/st:CodelistRef[st:Alias=\$alias]

Variable: codelist = /msg:Structure/msg:CodeLists/st:CodeList[@id=\$codelistref /st:CodelistID and @agencyID=\$codelistref/st:AgencyID and @version=\$codelistref/st:Version]

- a. It is an error if a CodelistAliasRef refers to an alias of a codelist which has not been defined in the parent HierarchicalCodeList.

Test: count(\$codelistref)=1

8.5 Rules for configuration hierarchies

SDMX-HD allows DSD producers to provide additional configuration information through the use of HierarchicalCodeList elements. In particular, the indicator disaggregation hierarchy may be used in order to restrict the codelists and codes which are valid to be used with individual indicators within a data set.

8.5.1 Required hierarchies

Context: st:HierarchicalCodeList[@id='HCL_CONFIGURATION_HIERARCHIES']

- a. It is an error if there is not a Hierarchy within the configuration hierarchical codelist with id=HY_INDICATOR_DISAGGREGATION.

Test: count(st:Hierarchy[@id='HY_INDICATOR_DISAGGREGATION'])=1

8.5.2 Permitted hierarchies

Context:

st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy

- a. The configuration hierarchical codelist may contain Hierarchies with id=HY_TIME_PERIOD, HY_INDICATOR, HY_PROGRAM, HY_GEOGRAPHIC_PLACE_NAME, HY_INDICATOR_DSTYPE, HY_INDICATOR_SET or HY_ORGANIZATION_CONTACT.

Test: @id='HY_TIME_PERIOD' or @id='HY_INDICATOR' or @id='HY_PROGRAM' or @id='HY_GEOGRAPHIC_PLACE_NAME' or @id='HY_INDICATOR_DSTYPE' or @id='HY_INDICATOR_SET' or @id='HY_ORGANIZATION_CONTACT' or @id='HY_INDICATOR_DISAGGREGATION'

8.6 Rules for indicator disaggregation hierarchy

8.6.1 Indicator disaggregation

Context: st:Hierarchy[@id='HY_INDICATOR_DISAGGREGATION']/st:CodeRef

- a. It is an error if the first child node of the Hierarchy with id='HY_INDICATOR_DISAGGREGATION' is not a Program node (CodelistAliasRef points to CL_PROGRAM). Applications may use the code value '_NA' if they are not identifying a particular program.

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_PROGRAM'

8.6.2 The indicator set node

Context: st:Hierarchy[@id='HY_INDICATOR_DISAGGREGATION']/st:CodeRef/st:CodeRef

- a. It is an error if an immediate child node of a Program node within the Hierarchy with id='HY_INDICATOR_DISAGGREGATION' is not an Indicator Set node (CodelistAliasRef points to CL_ISET)

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_ISET'

8.6.3 The indicator node

Context: st:Hierarchy[@id='HY_INDICATOR_DISAGGREGATION']/st:CodeRef/st:CodeRef/st:CodeRef

- a. It is an error if an an immediate child nodes of an Indicator Set node within the Hierarchy with id='HY_INDICATOR_DISAGGREGATION' is not an Indicator node (CodelistAliasRef points to CL_INDICATOR)

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_INDICATOR'

8.6.4 The value type node

Context: st:Hierarchy[@id='HY_INDICATOR_DISAGGREGATION']/st:CodeRef/st:CodeRef/st:CodeRef/st:CodeRef[0]

- a. It is an error if the first child node of an Indicator node within the Hierarchy with id='HY_INDICATOR_DISAGGREGATION' is not a value type node (CodelistAliasRef points to CL_VALUE_TYPE)

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_VALUE_TYPE'

8.6.5 The first disaggregation node

Context: st:Hierarchy[@id='HY_INDICATOR_DISAGGREGATION']/st:CodeRef/st:CodeRef/st:CodeRef/st:CodeRef[1]/st:CodeRef

- a. It is an error if an immediate child node of an value type node within the Hierarchy with id='HY_INDICATOR_DISAGGREGATION' is not either a disaggregation-list node (CodelistAliasRef points to CL_DISAGG) or a node whose CodelistAliasRef refers to an alias of a codelist which is used as a Dimension in the KeyFamily

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_DISAGG' or count(key('dimensions',key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID))=1

8.6.6 Disaggregation nodes

Context: st:Hierarchy[@id='HY_INDICATOR_DISAGGREGATION']/st:CodeRef/st:CodeRef/st:CodeRef/st:CodeRef[1]/st:CodeRef/st:CodeRef

- a. It is an error if a CodelistAliasRef which appears below the value type node refers to an alias of a codelist which is not used as a Dimension in the KeyFamily

Test: count(key('dimensions',key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID))=1

8.7 Rules for time period hierarchy

A DSD may specify that the time dimension of the keyfamily makes use of a code list. This hierarchy provides producers with a mechanism to structure the time periods.

8.7.1 Time period nodes

Context:
 st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_TIME_PERIOD']
 //st:CodeRef

- a. HY_TIME_PERIOD is a tree of time period nodes. It is an error if a child node in this hierarchy does not have a CodelistAliasRef element which is an alias of 'CL_TIME_PERIOD'.

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_TIME_PERIOD'

8.8 Rules for data source type hierarchy

When gathering data for an Indicator it is sometime necessary to define the list of data source types that should be used to gather this information. Producers may specify the relationship between indicators and the data source types by creating a hierarchy with an id attribute of "HY_INDICATOR_DSTYPE".

8.8.1 The indicator node

Context:
 st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_INDICATOR_DSTYPE']
 /st:CodeRef

- a. It is an error if a first level child node in the hierarchy does not have a CodelistAliasRef element which is an alias of 'CL_INDICATOR'

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_INDICATOR'

8.8.2 The data source node

Context:
 st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_INDICATOR_DSTYPE']
 /st:CodeRef/st:CodeRef

- a. It is an error if child nodes of the indicator node do not have a CodelistAliasRef element which is an alias of 'CL_DSTYPE'

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_DSTYPE'

- b. It is an error if there are more than two levels in this hierarchy.

Test: count(st:CodeRef)=0

8.9 Rules for indicator set hierarchy

Producers may specify the relationship between indicators and indicator set types by creating a hierarchy with an id attribute of

"HY_INDICATOR_SET_INDICATOR".

8.9.1 The indicator-set node

Context:

st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_INDICATOR_SET']
/st:CodeRef

- a. It is an error if a first level child node in the hierarchy does not have a CodelistAliasRef element which is an alias of 'CL_ISET'

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_ISET'

8.9.2 Children of the indicator-set node

Context:

st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_INDICATOR_SET']
//st:CodeRef

- a. It is an error if a node appears below an indicator set node which is not either an indicator set node or an indicator node.

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_ISET' or
key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_INDICATOR'

8.10 Rules for organization contact hierarchy

Producers may specify the contacts for organizations by creating a hierarchy with an id attribute of "HY_ORGANIZATION_CONTACT".

8.10.1 The organisation node

Context:

st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_ORGANIZATION_CON']
/st:CodeRef

- a. It is an error if a first level child node in the hierarchy does not have a CodelistAliasRef element which is an alias of 'CL_ORGANIZATION'

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_ORGANIZATION'

8.10.2 The contact node

Context:

st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_ORGANIZATION_CON']
/st:CodeRef/st:CodeRef

- a. It is an error if a second level child node in the hierarchy does not have a CodelistAliasRef element which is an alias of 'CL_CONTACT'

```
Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_CONTACT'
```

8.11 Rules for program hierarchy

An producer may use this hierarchy to make clear hierarchical relationships between programs.

8.11.1 Program nodes

Context:

```
st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_PROGRAM']
//st:CodeRef
```

- a. It is an error if a child node in this hierarchy does not have a CodelistAliasRef element which is an alias of 'CL_PROGRAM'.

```
Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_PROGRAM'
```

8.12 Rules for geographical place name hierarchy

A DSD may specify a geographical place name dimension which takes its values from ISO/3166-2 codes in the code list with id=CL_GEOGRAPHIC_PLACE_NAME. This hierarchy provides producers with a mechanism to structure the place name codes.

8.12.1 Geographical place name nodes

Context:

```
st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_GEOGRAPHIC_PLACE_NAME']
//st:CodeRef
```

- a. HY_GEOGRAPHIC_PLACE_NAME is a tree of place name nodes. It is an error if a child node in this hierarchy does not have a CodelistAliasRef which is an alias of 'CL_GEOGRAPHIC_PLACE_NAME'.

```
Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_GEOGRAPHIC_PLACE_NAME'
```

8.13 Rules for the indicator hierarchy

A DSD may specify how indicators are calculated by using the indicator hierarchy to specify other indicators to use as numerator and denominator.

8.13.1 Indicator nodes

Context:

st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_INDICATOR']
/st:CodeRef

- a. Immediate child nodes of the hierarchy represent the indicators to be calculated. It is an error if an immediate child node is not an indicator node ('CodelistAliasRef points to CL_INDICATOR').

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_INDICATOR'

- b. Each top-level indicator node shall have exactly two child indicator nodes representing the operand indicators of the calculation.

Test:

count(st:CodeRef[key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_INDICATOR'])=2

8.13.2 Operand types

Context:

st:HierarchicalCodelist[@id='HCL_CONFIGURATION_HIERARCHIES']/st:Hierarchy[@id='HY_INDICATOR']
/st:CodeRef/st:CodeRef/st:CodeRef

- a. Each operand indicator node shall have a child node indicating the type of the operand ('CodelistAliasRef points to CL_OPERAND').

Test: key('volatile_aliases',st:CodelistAliasRef)/st:CodelistID='CL_OPERAND'

8.14 Rules for KeyFamily

The KeyFamily structure element is used in SDMX-HD to define the dimensions and attributes to be used in datasets according to the constraints imposed by SDMX. SDMX-HD provides the following additional constraints.

8.14.1 The KeyFamily element

Context: st:KeyFamily

- a. A KeyFamily element shall have attributes named id, agencyID and version.

Test: @id and @agencyID and @version

8.14.2 Required components

Context: st:KeyFamily/st:Components

- a. A KeyFamily shall have exactly one Dimension with a conceptRef attribute with a value of 'INDICATOR' or a value of 'DATAELEMENT' from the common mandatory dimensions ConceptScheme.

Test: count(st:Dimension[@conceptRef='INDICATOR'])=1 or
count(st:Dimension[@conceptRef='DATAELEMENT'])=1

- b. A KeyFamily shall have exactly one Frequency Dimension with a conceptRef attribute with a value of 'FREQ' from the common mandatory dimensions ConceptScheme.

Test: count(st:Dimension[@isFrequencyDimension='true'])=1

- c. A KeyFamily shall have exactly one TimeDimension with a conceptRef attribute with a value of 'TIME_PERIOD' from the common mandatory dimensions ConceptScheme.

Test: count(st:TimeDimension[@conceptRef='TIME_PERIOD' and
@conceptSchemeRef='CS_COMMON' and @conceptSchemeAgency='SDMX-
HD'])=1

- d. A KeyFamily shall have exactly one PrimaryMeasure with a conceptRef attribute with a value of 'OBS_VALUE' from the common mandatory dimensions ConceptScheme.

Test: count(st:PrimaryMeasure)=1

- e. A KeyFamily should have a Dimension with a conceptRef attribute with a value of 'GEOGRAPHIC_PLACE_NAME' from the common mandatory dimensions ConceptScheme.

Test: count(st:Dimension[@conceptRef='GEOGRAPHIC_PLACE_NAME'])=1

- f. A KeyFamily should have a Dimension with a conceptRef attribute with a value of 'PROG' from the common mandatory dimensions ConceptScheme.

Test: count(st:Dimension[@conceptRef='PROG'])=1

8.14.3 The INDICATOR dimension

Context: st:KeyFamily/st:Components/st:Dimension[@conceptRef='INDICATOR']

- a. The INDICATOR Dimension shall have a conceptSchemeRef attribute of value 'CS_COMMON' and a conceptSchemeAgency attribute of value 'SDMX-HD'

Test: @conceptSchemeRef='CS_COMMON' and
@conceptSchemeAgency='SDMX-HD'

8.14.4 The DATAELEMENT dimension

Context: st:KeyFamily/st:Components/st:Dimension[@conceptRef='DATAELEMENT']

- a. The DATAELEMENT Dimension shall have a conceptSchemeRef attribute of value 'CS_COMMON' and a conceptSchemeAgency attribute of value 'SDMX-HD'

Test: @conceptSchemeRef='CS_COMMON' and @conceptSchemeAgency='SDMX-HD'

8.14.5 The Frequency dimension

Context: st:KeyFamily/st:Components/st:Dimension[@conceptRef='FREQ']

- a. The FREQ Dimension shall have a conceptSchemeRef attribute of value 'CS_COMMON' and a conceptSchemeAgency attribute of value 'SDMX-HD' and isFrequencyDimension attribute of value 'true'.

Test: @conceptSchemeRef='CS_COMMON' and @conceptSchemeAgency='SDMX-HD' and @isFrequencyDimension='true'

8.14.6 The PrimaryMeasure

Context: st:KeyFamily/st:Components/st:PrimaryMeasure

- a. The PrimaryMeasure shall have a conceptRef attribute of value 'OBS_VALUE', a conceptSchemeRef attribute of value 'CS_COMMON' and a conceptSchemeAgency attribute of value 'SDMX-HD'

Test: @conceptRef='OBS_VALUE' and @conceptSchemeRef='CS_COMMON' and @conceptSchemeAgency='SDMX-HD'

The following rule applies to all dimensions used for disaggregation.

Producers of an SDMX-HD DSD should provide dimensions from the mandatory concept scheme identified by agencyID='SDMX-HD', id='CS_COMMON', version='1.0'.

8.14.7 Time format of TimeDimension element

Context: st:KeyFamily/st:Components/st:TimeDimension

- a. The preferred way of representing the TimeDimension is with a text value of type ObservationalTimePeriod. The use of a codelist for representing

time periods is permitted to handle use cases which may not be covered by this data type.

Test: st:TextFormat[@textType='ObservationalTimePeriod'] or @codelist

8.15 Keyfamily Attributes

In addition to Dimensions, SDMX allows for additional reference metadata attributes to be attached to elements within the KeyFamily. SDMX-HD has defined a number of such Attributes which utilize concepts from the Common Attributes concept scheme (see part 2). If a DSD producer declares an SDMX Attribute with a conceptRef whose string value is one of these reserved values, then the SDMX Attribute must conform to the appropriate rule from the list below.

8.15.1 DATE_COLLECT

Context: st:Attribute[@conceptRef='DATE_COLLECT']

- a. DATE_COLLECT is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='DATE_COLLECT' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Observation", assignmentStatus="Mandatory" and have a st:TextFormat child element with attribute textType="Date"

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Observation' and @assignmentStatus='Mandatory' and count(st:TextFormat[@textType='Date'])=1

8.15.2 PERIODICITY

Context: st:Attribute[@conceptRef='PERIODICITY']

- a. PERIODICITY is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='PERIODICITY' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", codelist='CL_FREQ' and @codelistAgency='SDMX-HD' and assignmentStatus="Conditional".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @codelist='CL_FREQ' and @codelistAgency='SDMX-HD' and @assignmentStatus='Conditional'

8.15.3 UNIT

Context: st:Attribute[@conceptRef='UNIT']

- a. UNIT is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='UNIT' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", codelist='CL_UNIT' and @codelistAgency='SDMX-HD' and assignmentStatus="Conditional".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @codelist='CL_UNIT' and @codelistAgency='SDMX-HD' and @assignmentStatus='Conditional'

8.15.4 SDESIGN

Context: st:Attribute[@conceptRef='SDESIGN']

- a. SDESIGN is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='SDESIGN' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", assignmentStatus="Conditional" and have a st:TextFormat child element with attribute textType="String".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @assignmentStatus='Conditional' and count(st:TextFormat[@textType='String'])=1

8.15.5 DSOURCE

Context: st:Attribute[@conceptRef='DSOURCE']

- a. DSOURCE is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='DSOURCE' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series" and assignmentStatus="Conditional". A codelist should be used to restrict its values.

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @codelist and @assignmentStatus='Conditional'

8.15.6 DSTYPE

Context: st:Attribute[@conceptRef='DSTYPE']

- a. DSTYPE is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='DSTYPE' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", codelist='CL_DSTYPE' and @codelistAgency='SDMX-HD' and assignmentStatus="Conditional".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @codelist='CL_DSTYPE' and @codelistAgency='SDMX-HD' and @assignmentStatus='Conditional'

8.15.7 SSIZE

Context: st:Attribute[@conceptRef='SSIZE']

- a. SSIZE is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='SSIZE' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", assignmentStatus="Conditional" and have a st:TextFormat child element with attribute textType="String".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @assignmentStatus='Conditional' and count(st:TextFormat[@textType='String'])=1

8.15.8 UNIT_MULT

Context: st:Attribute[@conceptRef='UNIT_MULT']

- a. UNIT_MULT is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='UNIT_MULT' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", codelist='CL_UNIT_MULT' and @codelistAgency='SDMX-HD' and assignmentStatus="Conditional".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @codelist='CL_UNIT_MULT' and @codelistAgency='SDMX-HD' and @assignmentStatus='Conditional'

8.15.9 TSTAT

Context: st:Attribute[@conceptRef='TSTAT']

- a. TSTAT is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='TSTAT' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", assignmentStatus="Conditional" and have a st:TextFormat child element with attribute textType="String".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @assignmentStatus='Conditional' and count(st:TextFormat[@textType='String'])=1

8.15.10 COMMENT_IND

Context: st:Attribute[@conceptRef='COMMENT_IND']

- a. COMMENT_IND is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='COMMENT_IND' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", assignmentStatus="Conditional" and have a st:TextFormat child element with attribute textType="String".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @assignmentStatus='Conditional' and count(st:TextFormat[@textType='String'])=1

8.15.11 COMMENT_OBS

Context: st:Attribute[@conceptRef='COMMENT_OBS']

- a. COMMENT_OBS is a reserved SDMX-HD Attribute. If an Attribute with conceptRef='COMMENT_OBS' is used in a DSD then it shall also have conceptSchemeRef="CS_ATTRIBUTE", conceptSchemeAgency="SDMX-HD", attachmentLevel="Series", assignmentStatus="Conditional" and have a st:TextFormat child element with attribute textType="String".

Test: @conceptSchemeRef='CS_ATTRIBUTE' and @conceptSchemeAgency='SDMX-HD' and @attachmentLevel='Series' and @assignmentStatus='Conditional' and count(st:TextFormat[@textType='String'])=1

9. Rules for an SDMX-HD Indicator Metadata Structure Definition

This section contains rules for producers and consumers of SDMX-HD Metadata Structure Definitions which define metadata for indicators. It does not replicate existing constraints - which should be validated with the SDMX W3C schemas. It does provide additional constraints which conforming producers of SDMX-HD Metadata Structures for indicators shall comply with. The rules together form a schema for SDMX-HD MSD expressed in the ISO Schematron schema language.

Each rule consists of a context and a list of assertions. The context is expressed as a W3C XPath 1.0 expression, which identifies one or more elements within a conforming MSD document. The assertions are natural language assertions which must be true in the given context. A test for each assertion is also provided as a W3C XPath 1.0 expression.

The XPath expressions may refer to key elements from the XSLT 1.0 namespace. The list of such XSLT keys declared is given below.

9.1 Namespaces referenced

This specification makes use of elements from the namespaces in the table below. For convenience they are referred to in the text using the prefixes from this table.

Prefix	Namespace
msg	http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message
st	http://www.SDMX.org/resources/SDMXML/schemas/v2_0/structure

9.2 Rules for content of MetadataStructureDefinition

9.2.1 MetadataStructureDefinitions

Context: msg:MetadataStructureDefinitions

- a. An MSD structure message which describes metadata structure for an indicator shall have within it's MetadataStructureDefinitions a MetadataStructureDefinition with a FullTargetIdentifier which has defined an IdentifierComponent with an id attribute of value 'IC_INDICATOR'.

Test: st:MetadataStructureDefinition/st:TargetIdentifiers/st:FullTargetIdentifier/st:IdentifierComponent[@id='IC_INDICATOR']

9.2.2 Indicator IdentifierComponent

Context: st:IdentifierComponent[@id='IC_INDICATOR']

- a. It is an error if the TargetObjectClass for the IC_INDICATOR

IdentifierComponent is not 'Code'.

Test: st:TargetObjectClass='Code'

- b. It is an error if the the RepresentationScheme for the IC_INDICATOR IdentifierComponent does not have a representationSchemeType attribute with value 'Codelist' and representationScheme attribute with value 'CL_INDICATOR'.

Test: st:RepresentationScheme[@representationSchemeType='Codelist' and @representationScheme='CL_INDICATOR']

9.2.3 Mandatory Metadata Attributes for Indicators

Context: st:ReportStructure[@target='PTI_INDICATOR' or @target='FTI_INDICATOR']

- a. It is an error if a ReportStructure with a target attribute of either 'PTI_INDICATOR' or 'FTI_INDICATOR' does not declare a MetadataAttribute with attributes conceptRef='_DESCRIPTION' and usageStatus='Mandatory' and conceptSchemeAgency='SDMX-HD' and conceptSchemeRef='CS_ATTRIBUTE' and a st:TextFormat child element with an textType attribute with value 'String'.

Test: count(st:MetadataAttribute[@conceptRef='_DESCRIPTION' and @usageStatus='Mandatory' and @conceptSchemeAgency='SDMX-HD' and @conceptSchemeRef='CS_ATTRIBUTE' and st:TextFormat[@textType='String']])=1

- b. It is an error if a ReportStructure with a target attribute of either 'PTI_INDICATOR' or 'FTI_INDICATOR' does not declare a MetadataAttribute with attributes conceptRef='_VERSION' and usageStatus='Mandatory' and conceptSchemeAgency='SDMX-HD' and conceptSchemeRef='CS_ATTRIBUTE' and a st:TextFormat child element with an textType attribute with value 'String'.

Test: count(st:MetadataAttribute[@conceptRef='_VERSION' and @usageStatus='Mandatory' and @conceptSchemeAgency='SDMX-HD' and @conceptSchemeRef='CS_ATTRIBUTE' and st:TextFormat[@textType='String']])=1

- c. It is an error if a ReportStructure with a target attribute of either 'PTI_INDICATOR' or 'FTI_INDICATOR' does not declare a MetadataAttribute with attributes conceptRef='METHOD' and usageStatus='Mandatory' and conceptSchemeAgency='SDMX-HD' and conceptSchemeRef='CS_ATTRIBUTE' and a st:TextFormat child element with an textType attribute with value 'String'.

Test: count(st:MetadataAttribute[@conceptRef='METHOD' and @usageStatus='Mandatory' and @conceptSchemeAgency='SDMX-HD' and @conceptSchemeRef='CS_ATTRIBUTE' and st:TextFormat[@textType='String']])=1

- d. It is an error if a ReportStructure with a target attribute of either 'PTI_INDICATOR' or 'FTI_INDICATOR' does not declare a

MetaDataAttribute with attributes conceptRef='DTYPE', usageStatus='Mandatory', conceptSchemeAgency='SDMX-HD', conceptSchemeRef='CS_ATTRIBUTE', representationScheme='CL_DTYPE' and representationSchemeAgency='SDMX-HD'.

Test: count(st:MetaDataAttribute[@conceptRef='DTYPE' and @usageStatus='Mandatory' and @conceptSchemeAgency='SDMX-HD' and @conceptSchemeRef='CS_ATTRIBUTE' and @representationScheme='CL_DTYPE' and @representationSchemeAgency='SDMX-HD'])=1

9.3 Rules for reserved text type metadata attributes

SDMX-HD defines a number of reserved text type metadata attributes. These are RATIONALE, DOC, EXPERT, FPERIOD, GUIDE, KEYWORDS, LIMIT, SHORTNAME, STATUS, PREFERRED and DDATE. If an MSD producer uses any of these then it shall conform to the following rules.

The generic rules below are applied by substituting parameters from this table.

meta_attribute	textType
RATIONALE	String
DOC	String
EXPERT	String
FPERIOD	String
GUIDE	String
KEYWORDS	String
LIMIT	String
SHORTNAME	String
STATUS	String
PREFERRED	Boolean
DDATE	Date

9.3.1 Metadata Attribute

Context: st:ReportStructure[@target='PTI_INDICATOR' or @target='FTI_INDICATOR']/st:MetaDataAttribute[@conceptRef='\$meta_attribute']

- a. It is an error if a reserved additional metadata attribute does not have an

attribute conceptSchemeAgency='SDMX-HD'.

Test: @conceptSchemeAgency='SDMX-HD'

- b. It is an error if a reserved additional metadata attribute does not have an attribute conceptSchemeRef='CS_ATTRIBUTE'.

Test: @conceptSchemeRef='CS_ATTRIBUTE'

- c. It is an error if the textType attribute of the st:TextFormat child element is not set to the required value.

Test: st:TextFormat[@textType='\$textType']

9.4 Rules for coded metadata attributes

SDMX-HD defines a number of reserved metadata attributes which require use of SDMX-HD common codelists. If an MSD producer uses any of these then it shall conform to the following rules.

The generic rules below are applied by substituting parameters from this table.

meta_attribute	codelist
UNIT	CL_UNIT
MULT	CL_UNIT_MULT
CONDITION	CL_CONDITION
CONDITION_STATUS	CL_CONDITION_STATUS
CURRENCY	CL_CURRENCY
DTYPE	CL_DTYPE
FPERIOD	CL_FPERIOD
HIF	CL_HIF
METYPE	CL_METYPE
OPERAND	CL_OPERAND
OTYPE	CL_OTYPE
_VSTATUS	CL_VSTATUS
BOUNDARIES	CL_BOUNDS

meta_attribute	codelist
CALENDAR_TYPE	CL_CALENDAR_TYPE
DISAGG	CL_DISAGG
DSTYPE	CL_DSTYPE
GBOUNDARY_TYPE	CL_GBOUNDARY_TYPE
GCODE_COUNTRY	CL_GCODE_COUNTRY
GENDER	CL_GENDER
GEOGRAPHIC_PLACE_NAME	CL_GEOGRAPHIC_PLACE_NAME
GLEVEL	CL_GLEVEL
GLOCATION	CL_GLOCATION
INCOME	CL_INCOME
LOGICAL_VALUE	CL_LOGICAL
OBS_STATUS	CL_OBS_STATUS
PERIODICITY	CL_FREQ
PROG	CL_PROGRAM
SET	CL_ISET
VALUE_TYPE	CL_VALUE_TYPE
PSTATUS	CL_PSTATUS
PTYPE	CL_PTYPE
SECTOR	CL_SECTOR
SEX	CL_SEX
TSTAT	CL_STYPE

9.4.1 Metadata Attribute

Context: st:ReportStructure[@target='PTI_INDICATOR' or @target='FTI_INDICATOR']/st:MetadataAttribute[@conceptRef='\$meta_attribute']

- a. It is an error if a reserved additional metadata attribute does not have an attribute `conceptSchemeAgency='SDMX-HD'`.

Test: `@conceptSchemeAgency='SDMX-HD'`

- b. It is an error if a reserved additional metadata attribute does not have an attribute `conceptSchemeRef='CS_ATTRIBUTE'`.

Test: `@conceptSchemeRef='CS_ATTRIBUTE'`

- c. It is an error if a reserved additional metadata attribute does not have an attribute `representationSchemeAgency='SDMX-HD'`.

Test: `@representationSchemeAgency='SDMX-HD'`

- d. It is an error if the `representationScheme` attribute is not set to the required value.

Test: `@representationScheme='$codelist'`

9.5 Rules for custom coded metadata attributes

SDMX-HD defines a number of reserved metadata attributes which require use of custom codelists. If an MSD producer uses any of these then it shall conform to the following rules.

The generic rules below are applied by substituting parameters from this table.

meta_attribute	codelist
TPOP	CL_TPOP

9.5.1 Metadata Attribute

Context: `st:ReportStructure[@target='PTI_INDICATOR' or @target='FTI_INDICATOR']/st:MetadataAttribute[@conceptRef='$meta_attribute']`

- a. It is an error if a reserved additional metadata attribute does not have an attribute `conceptSchemeAgency='SDMX-HD'`.

Test: `@conceptSchemeAgency='SDMX-HD'`

- b. It is an error if a reserved additional metadata attribute does not have an attribute `conceptSchemeRef='CS_ATTRIBUTE'`.

Test: `@conceptSchemeRef='CS_ATTRIBUTE'`

- c. It is an error if the `representationScheme` attribute is not set to the required value.

Test: @representationScheme='\$codelist'

10. SDMX-HD datasets

10.1 SDMX-HD compact dataset message

Conforming dataset producers may transmit datasets whose structure has been defined in an DSD using an SDMX-HD compact dataset message. An SDMX-HD compact dataset message is an SDMX-HD message which conforms to a schema which is derived from the SDMX-HD DSD according to the rules described in the SDMX standard section 3 (SDMX-ML: SCHEMA AND DOCUMENTATION). When an application produces such a schema from a DSD then that schema shall declare a new target namespace consisting of the concatenation of the string "urn:sdmx:org.sdmx.infomodel.keyfamily.KeyFamily=" followed by the KeyFamily agencyID attribute, the KeyFamily id attribute, the KeyFamily version attribute and the string "compact", each separated by a colon character. KeyFamily specific elements (those elements defined in the derived schema) shall be defined in this namespace.

10.2 SDMX-HD cross-sectional dataset message

Conforming dataset producers may transmit datasets whose structure has been defined in an DSD using an SDMX-HD cross-sectional dataset message. An SDMX-HD cross-sectional dataset message is an SDMX-HD message which conforms to a schema which is derived from the SDMX-HD DSD according to the rules described in the SDMX standard section 3 (SDMX-ML: SCHEMA AND DOCUMENTATION). When an application produces such a schema from a DSD then that schema shall declare a new target namespace consisting of the concatenation of the string "urn:sdmx:org.sdmx.infomodel.keyfamily.KeyFamily=" followed by the KeyFamily agencyID attribute, the KeyFamily id attribute, the KeyFamily version attribute and the string "cross", each separated by a colon character. KeyFamily specific elements (those elements defined in the derived schema) shall be defined in this namespace.

11. SDMX-HD Metadata Reports

11.1 SDMX generic metadata message

Conforming producers may transmit metadata whose structure has been defined in an MSD using a Generic Metadata Message as defined in the SDMX standard section 3 (SDMX-ML: SCHEMA AND DOCUMENTATION).

11.2 SDMX-HD metadata report message

Conforming producers may transmit metadata whose structure has been defined in an MSD using an SDMX-HD metadata report message. An SDMX-HD Metadata Report message is an SDMX-HD message which conforms to a schema which is derived from the SDMX-HD MSD according to

the rules described in the SDMX standard section 3 (SDMX-ML: SCHEMA AND DOCUMENTATION). When an application produces such a schema from an MSD then that schema shall declare a new target namespace consisting of the concatenation of the string "urn:sdmx:org.sdmx.infomodel.metadatastructuredefinition.MetadataStructureDefinition=" followed by the MetadataStructureDefinition agencyID attribute, the MetadataStructureDefinition id attribute, the MetadataStructureDefinition version attribute and the string "metadatareport", each separated by a colon character.. KeyFamily specific elements (those elements defined in the derived schema) shall be defined in this namespace.

SDMX-HD Standard v1.0

v1.0 Final - August 30th 2010

Specification URI: <http://sdmx-hd.org/projects/show/sdmx-hd-standards>

Technical Committee: <http://sdmx-hd.org/projects/show/sdmx-hd-standards>

Chair: Patrick Whitaker (whitakerp@who.int)

Editors

- Bob Jolliffe (bjolliffe@gmail.com)
- Gary Patchen (gary.patchen@b-i.com)

Part 2: Common concepts, code-lists, codes and hierarchies used by SDMX-HD

1. Abstract

This specification has three parts.

- Part 1 defines the structures and semantics of XML markup to be used in SDMX-HD messages.
- Part 2 (this document) defines common concepts, codelists, codes and hierarchies to be used in SDMX HD messages
- Part 3 defines the packaging of SDMX-HD messages.

2. Status

Final draft for public review

3. Notices

This version of the document is placed explicitly in the public domain by the author.

[It will be Copyright WHO 2009. With an appropriate licence which permits liberal reuse once licence text is finalized]

4. Introduction

4.1 Purpose and Scope

SDMX-HD messages are defined for the purpose of exchanging indicator definitions and aggregate data and metadata in the health domain (the HD suffix indicates Health Domain). SDMX-HD messages may be used at and between all administrative levels, including facility, district, national and international levels.

4.2 Conformance

The verb **shall** shall be used to convey a strict requirement for conformance to the standard.

The verb **should** shall be used to convey a recommendation that is optional in achieving conformance to that specific standard; i.e., recommendations that may be followed exactly as written, ignored while remaining in conformance with the standard, or achieved through another method.

The verb **may** shall be used to grant permission, without being a requirement or recommendation.

The standard may be accompanied by other non-normative electronic material such as schema,

validation tools, samples and implementor's guidelines. Where there is any contradiction between this document and accompanying material this document shall be authoritative.

4.3 Definition of terms

- When this document refers to **the SDMX Standard** it refers particularly to the document entitled "SDMX -ML: Schema and Documentation (Version 2.0)" available from http://sdmx.org/docs/2_0/SDMX_2_0_SECTION_03A_SDMX_ML.pdf and the electronic appendix available from "http://sdmx.org/docs/2_0/SDMX_2_0_SECTION_03B_SDMX-ML_Schemas_and_Samples.zip".
- **SDMX message namespace** is the namespace referenced by: "http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message"
- **SDMX structure namespace** is the namespace referenced by: "http://www.SDMX.org/resources/SDMXML/schemas/v2_0/structure"
- An **SDMX-HD message** is always a valid SDMX message with a root element which is declared in the in the SDMX message namespace. Further constraints on the content of the message types are provided in this standard.
- **SDMX-HD package** is a set of SDMX-HD messages which together provide a complete information set for the transmission structural and reference metadata. And SDMX-HD package may additionally include SDMX-HD compact or cross-sectional data messages. Package formats are described in Part 3 of this standard.
- The abbreviation DSD refers to an SDMX data structure definition. A data structure definition is an SDMX structure message which contains a KeyFamily element for the purpose of defining the structure of data messages.
- The abbreviation MSD refers to an SDMX metadata structure definition. An MSD is an SDMX structure message which contains a MetaDataStructureDefinition element for the purpose of defining the structure of data messages.

5. Common concepts, code-lists, codes and hierarchies used by SDMX-HD

Part 2 presents the SDMX-HD content of domain specific structures which are pre-defined by the standard. These include ConceptSchemes, CodeLists and Hierarchies from the SDMX structure namespace and are referred to as **Common**. **Common** structures have an agencyID attribute set to "SDMX-HD". Conforming applications shall not add to, delete or modify the contents of such structures.

This part consists of a normative reference below, followed by informative notes on the content and usage of the **Common** structures.

5.1 Normative reference

The authoritative collection of **Common** structures is available for download at the following permanent URL: http://www.sdmx-hd.org/docs/SDMX/SDMX-HD-v1.0/data_dictionary.xml

Each of these structures exist within the context of their own structure message.

5.2 Code-lists

It is important to define well known (Common) code-lists to avoid each application having to re-define them when this is not needed. The codes in the code-lists are also important as a common definition on codes ensure a reduction on the amount of code-list mapping each application need to perform.

Below is the list of common code-lists in SDMX-HD.

Id	Code Value Range	Name (en)	Description
CL_BOUNDS	1 .. 3	Point Bounds	Upper and lower bound point.
CL_CALENDAR_TYPE	1 .. 2	Calendar Type	The type of calendar system. This has been used to identify fiscal year observations.

			and metadata related to SDMX-HD
CL_CONDITION		Condition	Condition
CL_CONDITION_STATUS		Condition Status	Condition Status
CL_CURRENCY	ISO 4217	Currency	Currency list based ISO Currency Char 3 Code
CL_DISAGG	1 .. *	Disaggregation	Disaggregation dimens
CL_DSTYPE	1 .. *	Data Source Type	Generic source type fo
CL_DTYPE	1 .. *	Datatype Representation	This is the format in wh presented to the user.
CL_FPERIOD	1 .. *	Followup Period	This is the interval for f
CL_FREQ	A,S,Q,M,W,D,B,N,Z	Frequency	<p>Actual frequency of da</p> <p>It provides a list of valu the "frequency" of the (monthly) and, thus, ind implying the type of "fir that could be used for i data with respect time.</p> <p>This code list is used to values, usually, to the ("frequency" used in ide distinguishing aggrega that may appear in var frequencies (e.g. mont annual), usually based methodology). The app to choose for a series ; correspond to the highest frequency ; series may be observe example, sometimes th that may change have observation every two months but without a p pattern.</p> <p>In this case the code "I should be used (denoti possible frequency tha observed in the series) was a possibility, in suc changing) series, that t values might appear w month at two different c case the frequency D ((=business) should be would be the highest o frequency), even if the eventually has a lots of "holes".</p>

			See: http://sdmx.org/w/uploads/2009/01/02_sdmx_cog_annex_
CL_GBOUNDARY_TYPE	1 .. *	Boundary Type	Geographic boundary i
CL_GCODE_COUNTRY	ISO 3166-1	Country Code	ISO 3166-1 Country Cl
CL_GENDER	1 .. *	Gender	This is self-reported se orientation.
CL_GEOGRAPHIC_PLACE_NAME	00, *	Geographic Place Name	This is a placeholder o populate it with ISO/31 sub-national level-1 pl http://www.commondats.com/live/geography/state_province_region/iso_3166_2_state_co Whenever a sub-nation included in this list, the belongs to must also b here, so that. HY_GEOGRAPHIC_PI can be populated acco root of the hierarchy is international level, so it default below.
CL_GLEVEL	-1,0,1,2 .. *	Geographic Level	Geographic hierarchy I
CL_GLOCATION	1 .. *	Geographic Location	This is the urban/rural i of location.
CL_HIF	1..4	Health Indicator Framework	ISO DIS 21667 Health Health indicators conce framework
CL_INCOME	1 .. *	Individual Income	Individual income level
CL_ISET	1 .. *	Indicator Set	Used for ad hoc groupi indicators and other In
CL_LOGICAL	0,1	Generic Extended Boolean Values	Generic Extended Boo list e.g indicators of typ
CL_METYPE	1 .. *	Monitoring and Evaluation Framework	Monitoring and Evalua framework.
CL_MULT	1 .. *	Multiplier	ID: UNIT_MULT (name changed to this) Exponent in base 10 s multiplying the observe numeric values by 10 ^N gives a value expresse measure.

			See: http://sdmx.org/w/uploads/2009/01/02_sdmx_cog_annex_ In some data bases, it as SCALE, MAGNITUDE POWER, e.g. "Multiplier that observations are in "Multiplier=-2" means a
CL_OBS_STATUS	A,B,E,I,P,M,L,Q,R,N,U,Z	Observation Status	Replaces CL_SPECIAL This code list provides information about the "status" of an observation (with respect such as the ones reflected codes composing the c See: http://sdmx.org/w/uploads/2009/01/02_sdmx_cog_annex_
CL_OPERAND	1,2	Operand type of indicator	Operand type of indicator numerator
CL_OTYPE	1..*	Organization Type	This is the generic type organization.
CL_PROGRAM	1..*	Program	A Program is a generic describe project, programme etc. So a project is a programme, a programme is a project, a programme is a program of type programme etc.
CL_PSTATUS	1..*	Programme Status	This is the management programme.
CL_PTYPE	1..*	Programme Type	Level in activity aggregation hierarchy.
CL_SECTOR	1..*	Sector	This is the economic sector
CL_SEX	1..*	Sex	Biologic sex.
CL_STYPE	1..*	Statistic Type	This is the generic statistic based on methodology
CL_TPOP	1..*	Target Population	This is the target population associated with the measure
CL_UNIT	2000,*,3000,*,4000,*,5000,* + Currency Codes	Unit	This is the computer-readable
CL_UNIT_GROUP	1..*	Unit Group	A way to logically group units of measure
CL_UNIT_QUALIFIER	1,2,3,4	Unit Qualifier	This is a user-friendly code numerator, multiplier, a denominator for presentation

CL_VALUE_TYPE	0,1	Value Type	This distinguishes betw and values.
CL_VSTATUS	1 .. *	Version Status	This is the status of thi the measurement.

5.3 Codes

The following table lists the code value ranges that do not start from 1 and increment by 1 in the **Common** code-lists:

Id	Code Value Range
CL_CURRENCY	ISO 4217
CL_FREQ	A,S,Q,M,W,D,B,N,Z
CL_GCODE_COUNTRY	ISO 3166-1
CL_GLEVEL	-1,0,1,2 .. *
CL_GEOGRAPHIC_PLACE_NAME	<p>This is a placeholder code-list: populate it with ISO/3166-2 codes for sub-national level-1 places (see http://www.commondatahub.com/live/geography/state_province_region/iso_3166_2_state_codes)</p> <p>Whenever a sub-national place is included in this list, the country it belongs to must also be included here, so that HY_GEOGRAPHIC_PLACE_NAME can be populated accordingly. The root of the hierarchy is always the international level, so it is included by default below.</p>
CL_LOGICAL	0,1
CL_OBS_STATUS	A,B,E,I,P,M,L,Q,R,N,U,Z
CL_TIME_PERIOD	based on ISO 8601 observational TIME_PERIOD
CL_UNIT	2000,*,3000,*,4000,*,5000,* + Currency Codes
CL_VALUE_TYPE	0,1

In addition to the above, the CodeLists may contain generic codes from the set of common Codes listed in the table below:

Value	Description
_NA	Not Applicable
_ALL	All
_UNK	Unknown

6. Concepts

6.1 Concept Schemes

There are three **Common** concept schemes defined by SDMX-HD:

- Common Mandatory Dimensions
- Common Disaggregation Dimensions
- Common Attributes

6.2 Common Mandatory Dimensions

This ConceptScheme is identified by the attributes agencyID='SDMX-HD', id='CS_COMMON', version='1.0' and urn='urn:sdmx.org.sdmx.infomodel.conceptscheme.ConceptScheme=SDMX-HD:CS_COMMON[1.0]'.

Concept Id	Format	Name (EN)	Description (EN)
GEOGRAPHIC_PLACE_NAME	Coded	Geographical Placename	The geographical polygon, line, point etc that the data is associated to.
INDICATOR	Coded	The indicator	The indicator
OBS_VALUE	Decimal	Indicator Value	Value of indicator.
DATAELEMENT	Coded	Data Element	Data Element
OBS_STATUS	Coded	Observation Status	Observation Status
PROG	Coded	Programme	Programme by which indicators rollup for reporting.
TIME_PERIOD	String	Time Period	Time Period
ORGANIZATION	Coded	Organisation	Organisation
FREQ	Coded	Frequency Dimension	Frequency Dimension

6.3 Common Disaggregation Dimensions

This ConceptScheme is identified by the attributes agencyID='SDMX-HD', id='CS_DISAGGREGATION', version='1.0' and urn='urn:sdmx.org.sdmx.infomodel.conceptscheme.ConceptScheme=SDMX-HD:CS_DISAGGREGATION[1.0]'.

Concept Id	Format	Name (EN)	Description (EN)
------------	--------	-----------	------------------

AGROUP	Coded	Age Group	A group of age ranges by which observational data may be disaggregated
BOUNDARIES	Coded	Estimate Boundaries	Upper and lower limits of the estimate.
COD	Coded	Cause of Death	Cause of Death
CONDITION_STATUS	Coded	Condition Status	Condition Status
EDUC	Coded	Education	Education level of the population for which data are collected.
GENDER	Coded	Gender	Gender of the population for which data are collected.
GLOCATION	Coded	Location	Location of the population for which data are collected, e.g. urban or rural.
INCOME	Coded	Income	Income.
MARITAL_STATUS	String	Marital Status	Marital Status
SECTOR	Coded	Sector	Type of sector on which data are collected.
SERVICES	String	Services	A classification of inputs into topic areas to facilitate management and analysis of indicators
TPOP	Coded	Target Population	Terms which describe the focus of the indicator in terms of the specific population, if any?
VALUE_TYPE	Coded	Type of Value	Type of indicator value

6.4 Common Attributes

This ConceptScheme is identified by the attributes agencyID='SDMX-HD', id='CS_ATTRIBUTE', version='1.0' and urn='urn:sdmx:org.sdmx.infomodel.conceptscheme.ConceptScheme=SDMX-HD:CS_ATTRIBUTE[1.0]'. It includes attribute concepts for use with observation values as well as metadata report attributes.

Concept Id	Format	Name (EN)	Description (EN)
_ACRONYM	String	Acronym	A generic way to define an acronym
_CODE	String	Code	A generic way to define a code
_CREATED_BY	String	User who created the information	A generic way to define the user that created the information
_CREATED_ON	DateTime	Created On UTC Date	A generic way to define the date something was created as a UTC date
_DESCRIPTION	String	Description	A generic way to define a description
_IS_ARCHIVED	Boolean	Is Archived	A generic way to flag is some information is Archived. i.e. not

			currently in use but needed for historical data
_IS_READONLY	Boolean	Is Read Only	A generic way to define is information is read-only
_ORDER_BY	Integer	Order By	A generic way to define the sort order of some information
_UID	String	Unique Identifier	A generic way to define a globally unique identifier
_UPDATED_BY	String	User who last updated the information	A generic way to define the user that last updated the information
_UPDATED_ON	DateTime	Updated On UTC Date	A generic way to define the date something was update as a UTC date
_VERSION	String	Version	A generic way to define the version of the information
_VSTATUS	Coded	Version Status	A generic way to define the version status of the information
ASOURCE	Coded	Administrative Source	Public health initiative to which the indicator is linked.
CALENDAR_TYPE	Coded	Calendar Type	The type of calendar used for observational data.
COMMENT_DATASET	String	Dataset Comment	A comment related to the Dataset
COMMENT_IND	String	Indicator Comment	A comment related to the Indicator
COMMENT_OBS	String	Observation Comment	A comment related to the observational data recorded.
CONDITION	Coded	Condition	Condition
CONTACT	Coded	Contact	Individual or organisational contact points for the data or metadata, including information on how to reach the contact points.
CONTACT_EMAIL	String	Contact email address	E-mail address of the contact points for the data or metadata
CONTACT_FAX	String	Contact fax number	Fax number of the contact points for the data or metadata.
CONTACT_FUNC	String	Contact function	The area of technical responsibility of the contact, such as "methodology", "database management" or "dissemination".
CONTACT_MAIL	String	Contact mail address	The postal address of the contact points for the data or metadata.
CONTACT_PHONE	String	Contact phone	The telephone number of the contact

		number	points for the data or metadata.
CURRENCY	Coded	Currency	Currency.
DATE_COLLECT	Date	Date of Collection	Date of data collection.
DDATE	Date	Definition Date	Date of definition of the indicator.
DISAGG	Coded	Disaggregation	Dimensions upon which the indicator is disaggregated.
DOC	String	Documentation	Explanation of how the indicator value is calculated, including an example or hyperlink.
DSOURCE	Coded	Data Source	The different data collection/measurement tool that contain the indicator or data elements needed for the construction of the indicator.
DSTYPE	Coded	Data Source Type	The type of data source
DTYPE	Coded	Datatype	Type of indicator value.
DUNS	String	Data Universal Numbering System	The Data Universal Numbering System, abbreviated as DUNS or D-U-N-S is a system developed and regulated by Dun and Bradstreet (D&B) which assigns a unique numeric identifier to a single business entity
EXPERT	String	Domain Expert	Person to contact for questions regarding indicator
FDATA	Year	Year of First Available Data	Year of the first available data available in the dataset for the indicator.
FPERIOD	Coded	Follow-up Period	Follow-up time periods.
FREQ	String	Frequency	Frequency refers to the time interval between the observations of a time series.
GBOUNDARY_TYPE	Coded	Geographic Boundary Type	Type of boundary entity, e.g. administrative.
GCODE_COUNTRY	Coded	Country list	ISO 3166 two-character country code.
GLATITUDE	String	Geographic Latitude	Geographic Latitude
GLEVEL	Coded	Geographic Level	Geographic Administrative Level
GLONGITUDE	String	Geographic Longitude	Geographic Longitude

GUIDE	String	Guidelines	Provides the reference document(s) where the indicator is described, including links.
HIF	Coded	Health Indicators Framework	ISO/TS 21667:2004(E) Health Indicators Conceptual Framework (hierarchical parent)
KWORDS	String	Keywords	Keywords for searching for this indicator.
LDATA	Year	Year of Latest Available Data	Year of the latest available data available in the dataset for the indicator.
LIMIT	String	Strengths and limitations	Explains (1) the strengths of the indicator, i.e. what the meaning of the indicator is within a programmatic context and why it is useful to collect, and (2) the weaknesses of the indicator, i.e. what the indicator does not measure.
LOGICAL_VALUE	Coded	Indicator Value of type Logical	Represent an Indicator of type logical where the observation data is often the answer to a question : Yes or No
METHOD	String	Methodology	Indicates the methodology for data collection not otherwise specified.
METYPE	Coded	ME Type	Classification of the indicator based on its Monitoring and Evaluation context.
MULT	Coded	Multiplier	This number multiplied by the value computes the actual indicator value
OPERAND	Coded	Operand	Operand.
ORG_COMP	Coded	Compiling Organization	Organization that compiled the data.
ORG_MAINT	Coded	Maintaining Organization	Organization maintaining indicator definition.
ORG_RESP	Coded	Responsible Organization	Lead agency(s) which published the indicator, indicator source.
ORGANIZATION	Coded	Providing Organization	Organization providing the data.
OSOURCE	String	Other Sources	All other data sources from which information for the indicator could be collected.
OTYPE	Coded	Organization Type	Organization type.
PERIODICITY	Coded	Periodicity	Periodicity refers to the frequency of compilation of the data (e.g., a time series could be available at annual frequency but the underlying data are compiled monthly, thus have a

			monthly periodicity).
PREFERRED	Boolean	Preferred Definition	Indicates the preferred indicator among related indicators and versions.
PSOURCE	String	Preferred Sources	Ideal data sources at the national level from which information for the indicator should be collected.
PSTATUS	Coded	Programme Status	Programme status.
PTYPE	Coded	Programme Type	Programme type hierarchy.
RATIONALE	String	Rationale or Purpose	Rationale or purpose for the indicator.
RDATA	Date	Date of reporting of data.	Date of reporting of data.
RPERIOD	String	Reference Period	Reference period for annual reporting which may include data for various years.
SDESIGN	String	Sample Design	Survey sample design.
SET	Coded	Indicator Set	Indicator set.
SEX	Coded	Biologic Sex	Biologic sex.
SHORT_NAME	String	Short Name	This is an abbreviated version of the indicator name.
SSIZE	String	Sample Size	Survey sample size.
STATUS	String	Status	Indicates whether the indicator is in use, not in use, or under development.
TCOLLECT	String	Type of Data Collection	Lists the different data collection methods that may be used to collect the indicator data.
TSTAT	Coded	Type of Statistics	Type of statistics of the data point.
UNIT	Coded	Unit of measure	The unit associated with an indicator value.
UNIT_GROUP	Coded	The group for which the unit of measure belongs.	The group for which the Unit of measure belongs e.g The Unit Group - Weight has unit of measure kg,lbs etc

6.5 Hierarchical Code-lists and Hierarchies

SDMX-HD defines two **Common** hierarchical code-lists. These contain SDMX Hierarchy structures as shown in the table below.

ID	Filename	Hierarchies
HCL_COMMON_HY_HIF	HCL_COMMON_HY_HIF.SDMX-	HY_HEALTH_INDICATOR_FRAMEWORK

ID	Filename	Hierarchies
	HD.1.0.xml	
HCL_COMMON_HY_UNIT	HCL_COMMON_HY_UNIT.SDMX-HD.1.0.xml	HY_UNIT

The table below provides an informative description of the **Common** hierarchies.

ID	Description	Usage
HY_HEALTH_INDICATOR_FRAMEWORK	Health Index Framework Hierarchy	ISO DIS 21667 Health informatics, Health indicators conceptual framework is used to globally classify health Indicators.
HY_UNIT	Unit of measure Hierarchy	Each observation is associated with a unit of measure. This hierarchy is required if your systems need knowledge of the relationship between one units of measure and another. As CL_UNIT is also used in the compact data set CL_UNIT_GROUP has been created to group common unit. However, a CL_UNIT_GROUP code can NOT be selected as a valid unit as it is NOT part of the CL_UNIT and should not be.

7. References

[ISO/TS 17369:2005]ISO/TS 17369:2005,Statistical Data and Metadata

8. Contributors

Gary Patchen

Patrick Whitaker

Xavier Bocken

Bob Jolliffe

SDMX-HD Standard v1.0

v1.0 Final - August 30th 2010

Specification URI: <http://sdmx-hd.org/projects/show/sdmx-hd-standards>

Technical Committee: <http://sdmx-hd.org/projects/show/sdmx-hd-standards>

Chair: Patrick Whitaker (whitakerp@who.int)

Editors

- Bob Jolliffe (bojjolliffe@gmail.com)
- Gary Patchen (gary.patchen@b-i.com)

Part 3: SDMX-HD packaging

1. Abstract

This specification has three parts.

- a. Part 1 defines the structures and semantics of XML markup to be used in SDMX-HD messages.
- b. Part 2 defines common concepts, codelists, codes and hierarchies to be used in SDMX HD messages
- c. Part 3 (this document) defines the packaging of SDMX-HD messages.

2. Status

Final draft for public review

3. Notices

This version of the document is placed explicitly in the public domain by the author.

[It will be Copyright WHO 2009. With an appropriate licence which permits liberal reuse once licence text is finalized]

4. Introduction

4.1 Purpose and Scope

SDMX-HD messages are defined for the purpose of exchanging indicator definitions and aggregate data and metadata in the health domain (the HD suffix indicates Health Domain). SDMX-HD messages may be used at and between all administrative levels, including facility, district, national and international levels.

4.2 Conformance

The verb **shall** shall be used to convey a strict requirement for conformance to the standard.

The verb **should** shall be used to convey a recommendation that is optional in achieving conformance to that specific standard; i.e., recommendations that may be followed exactly as written, ignored while remaining in conformance with the standard, or achieved through another method.

The verb **may** shall be used to grant permission, without being a requirement or recommendation.

The standard may be accompanied by other non-normative electronic material such as schema, validation tools, samples and implementor's guidelines. Where there is any contradiction between this document and accompanying material this document shall be authoritative.

4.3 Definition of terms

- When this document refers to **the SDMX Standard** it refers particularly to the document entitled "SDMX -ML: Schema and Documentation (Version 2.0)" available from http://sdmx.org/docs/2_0/SDMX_2_0_SECTION_03A_SDMX_ML.pdf and the electronic appendix available from "http://sdmx.org/docs/2_0/SDMX_2_0_SECTION_03B_SDMX-ML_Schemas_and_Samples.zip".
- **SDMX message namespace** is the namespace referenced by: "http://www.SDMX.org/resources/SDMXML/schemas/v2_0/message"
- **SDMX structure namespace** is the namespace referenced by: "http://www.SDMX.org/resources/SDMXML/schemas/v2_0/structure"
- An **SDMX-HD message** is always a valid SDMX message with a root element which is declared in the in the SDMX message namespace. Further constraints on the content of the message types are provided in this standard.
- **SDMX-HD package** is a set of SDMX-HD messages which together provide a complete information set for the transmission structural and reference metadata. And SDMX-HD package may additionally include SDMX-HD compact or cross-sectional data messages. Package formats are described in Part 3 of this standard.
- The abbreviation DSD refers to an SDMX data structure definition. A data structure definition is an SDMX structure message which

contains a KeyFamily element for the purpose of defining the structure of data messages.

- The abbreviation MSD refers to an SDMX metadata structure definition. An MSD is an SDMX structure message which contains a MetaDataStructureDefinition element for the purpose of defining the structure of data messages.

5. SDMX-HD packages

5.1 Zip archive format

An SDMX-HD package is a collection of related SDMX-HD files which are stored in a zip archive. The format of the zip archive should conform to application note version 6.2.0 available from <http://www.pkware.com/support/application-note-archives>.

Conforming producer applications shall not use zip file encryption and shall use the Deflate algorithm for compression.

5.2 SDMX-HD content

5.2.1 Metadata

An SDMX-HD package may contain a metadata structure definition message stream. If it does it should be stored in the package with a pathname of "MSD.xml"

An SDMX-HD package may contain an indicator metadata report which conforms to the MSD. This should either be named "GMS_Indicator.xml" or "MS_Indicator.xml", depending on whether the SDMX generic metadata set format is used or whether the report is based on a metadata structure report schema. If the metadata structure report is based on a custom schema, that schema should also be included in the package.

If additional metadata reports are included in the package they should also have path names which begin with "GMS_" or "MS_" and any metadata report structure schema used should be included.

5.2.2 Data

An SDMX package may include a Data Structure definition message, which shall have a pathname of "DSD.xml".

An SDMX message may include compact or cross-sectional DataSet messages. These messages shall be a stream with a path name with prefix either "CDS_" or "CROSS_". If there is a DataSet message then the "DSD.xml" stream should also be included, as well as the compact or cross-sectional schema used.

5.3 External References

The DSD and MSD messages may make use of external references to codelists, conceptschemes, hierarchies and organisationschemes. Where those external reference URLs use the file scheme they shall be relative path references which are resolved relative to the base of the zip archive and they shall resolve to a stream within the zip archive.

Pathnames of SDMX-HD common entities within the zip archive should be prefixed by one of "COMMON/SDMX-HD/codelists/", "COMMON/SDMX-HD/conceptschemes/", "COMMON/SDMX-HD/hierarchies/" or "COMMON/SDMX-HD/organisationschemes/" respectively.

Pathnames of agency defined entities should be prefixed by one of "CUSTOM/AgencyID/v1.0/codelists/", "CUSTOM/AgencyID/v1.0/conceptschemes/", "CUSTOM/AgencyID/v1.0/hierarchies/" or "CUSTOM/AgencyID/v1.0/organisationschemes/" respectively, in which "AgencyID" is replaced by the AgencyID of the maintaining agency of the entities.

5.4 Additional content

Applications may include SDMX schema files within the package in order to validate the SDMX-HD messages.

Applications may include additional non-SDMX content within the package. The pathnames of all such content should be prefixed by the string "misc/".

WHO SDMX-HD NORMATIVE DOCUMENT PUBLIC LICENSE, Version 1.0

The World Health Organization ("WHO") is the owner of the SDMX-HD normative document and related files. This document as well as any modifications thereof ("SDMX-HD Normative Document") are made available for use, reproduction, modification, creation of derivative works and distribution solely pursuant to and in accordance with the terms and conditions of this public license.

Any use, reproduction, modification and distribution of the SDMX-HD Normative Document, and contributions thereof, as well as any creation of, use, reproduction, modification and distribution of derivative works of the SDMX-HD Normative Document, constitutes acceptance of this public license.

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, modification and distribution of the SDMX-HD Normative Document, and contributions thereof, and for the creation of, use, reproduction, modification and distribution of derivative works of the SDMX-HD Normative Document, as defined by Sections 1 through 14 of this public license.

"You" (or "Your") shall mean an individual or a legal entity exercising rights granted by this License.

"SDMX-HD Normative Document" shall mean without limitation documentation source, as well as all other related documentation and files.

"Work" shall mean WHO work of authorship known as SDMX-HD, as well as any contributions incorporated into the Work by WHO in accordance with Section 6 of this License.

"Derivative Works" shall mean any work that is based on, or derived from, or incorporates the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship.

"Contribution" shall mean any additions and/or modifications to the Work and/or Derivative Works, as well as any work contributing to the creation of Derivative Works.

"Contributor" shall mean any individual or legal entity that creates or contributes with another individual or legal entity to the creation of a Contribution.

"Contributor's Patent" shall mean all patents and/or patent claims owned or controlled by a Contributor, already filed or acquired at the time of its Contribution, that would normally be infringed by the use of its Contribution under this License without the grant of a Patent license.

2. Grant of Copyright License.

Subject to the terms and conditions of this License, WHO and Contributors for their Contributions hereby grant to You a non-exclusive, royalty-free, and worldwide copyright license to use, reproduce, modify and distribute the Work, and Contributions thereof and to use, reproduce, modify and distribute Derivative Works.

3. Grant of Patent License.

Subject to the terms and conditions of this License, each Contributor hereby grants to You a non-exclusive, royalty-free and worldwide license to use the Contributor's Patent, if any, for the exercise of the rights granted under this License.

4. No Right to File for Patent Infringement.

You shall not file any patent infringement suit against WHO nor any other Contributors alleging that the Work, Contributions and/or Derivative Works, and/or the use of Your Contribution, constitute a patent infringement.

5. No Right to File for Industrial or Intellectual Property.

In exchange for the rights that are granted to You free of charge under this License, and notwithstanding the provisions of Section 7 e) herein, You agree that You will not file for any industrial or intellectual property rights in relation to Your or a Contributor's Contribution, or in relation to the Work and/or Derivative Works, or take any other action that might otherwise impair the use of the Work, Contributions and/or Derivative Works under this License.

6. Submission of Contributions.

6.1 You may submit Your Contributions for inclusion in the Work to WHO. Should WHO elect, at its sole discretion, to include such Contributions into the Work, WHO may include such Contributions in whole or in part, or as modified by WHO. WHO may also elect, at its sole discretion, to give credit or special thanks to any such Contributors. However, if any of the Contributions are included into the Work by WHO, such Contributions will become an integral part of the Work and as a result, WHO will become the copyright owner of such Contributions.

6.2 Notwithstanding Section 9 of this License, by submitting Your Contribution to WHO for inclusion in the Work, You warrant that such Contribution is not infringing any third party's industrial and/or intellectual property rights and that You have the right to transfer ownership of Your Contribution to WHO. You shall indemnify WHO against all legal fees, damages and other expenses that may result from Your breach of this warranty.

6.3 Notwithstanding the above, WHO and You may have executed or may decide to execute separate license, technical, collaborative or any other kind of agreements regarding Your Contribution. Such separate agreements between WHO and You shall prevail over the terms of this License.

7. Obligations.

Your exercise of the rights granted under this License are subject to the following conditions:

- a) You must give any recipients of the Work, Contributions and/or Derivative Works a copy of this License and clearly bring to their attention that any use, reproduction, modification and distribution of the Work, and Contributions thereof, and the use, reproduction, modification and distribution of Derivative Works shall be subject to the terms of this License; and.
- b) You must cause any modified files to carry prominent notices stating that You changed the files; and
- c) You must retain, in the Work, Contributions and/or any Derivative Works that You use, reproduce, modify or distribute, all copyright, trademark, and attribution notices from the Source code of the Work; and
- d) If the Work includes a "NOTICE" text file as part of its distribution, then the Work, Contributions and/or Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, in at least one of the following places: within a NOTICE text file distributed as part of the Work, Contributions and/or Derivative Works; within the Work, Contributions and/or Derivative Works; or, within a display generated by the Work, Contributions and/or Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Your Contributions and/or Derivative Works that You distribute, alongside the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
- e) Except as provided in Section 6.1 above, You may add Your own copyright statement to Your Contributions and/or Derivative Works. However any use, reproduction, or distribution of Your Contributions and/or Derivative Works shall strictly comply with the terms and conditions of this License.

8. Use of names and emblem.

This License does not grant permission to use the name, acronym, trade names, trademarks, service marks, product names, or emblem of WHO, except as strictly required for describing the origin of the Work, Contributions and/or Derivative Works and reproducing the content of the NOTICE file.

9. Disclaimer of Warranty.

9.1 Except as provided in Section 6.2 above, the Work, Contributions and/or any Derivative Works are provided on an "as is" basis, without warranties of any kind, either expressed or implied, including, without limitation, any warranties of merchantability or fitness for a particular purpose, or non-infringement. No warranty is made that the Work, Contributions and/or Derivative Works will operate uninterrupted or error free, or that the Work, Contributions and/or Derivative Works, or functionality thereof, will meet your requirements, or that the Work, Contributions and/or Derivative Works are free of viruses or other harmful components. Further no warranties of any kind whatsoever are made as to the

results that you will obtain from relying upon the Work, Contributions and/or Derivative Works, or any information or content obtained by way of the Work, Contributions and/or Derivative Works.

9.2 You are solely responsible for determining the appropriateness of using, reproducing, modifying or redistributing the Work, Contributions and/or Derivative Works, and for creating Contributions and/or Derivative Works, and assume any and all risks and liability associated with Your exercise of Your rights under this License.

10. Limitation of Liability.

In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall WHO nor any Contributor be liable to You and/or any persons claiming under You for damages, including any direct, indirect, special, incidental, or consequential damages of any kind arising as a result of this License or out of the use or inability to use the Work, Contributions and/or Derivative Works (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if WHO or Contributor has been advised of the possibility of such damages.

11. Indemnification

You shall indemnify and hold harmless WHO and/or any Contributors, their officers, agents and employees from and against any claims, demands and liability of any nature or kind arising out of the use, reproduction, modification, or distribution of the Work, Contributions and/or Derivative Works to third parties, or caused by, or arising out of, or resulting from, Your exercise or practice of the rights granted to You under this License.

12. Termination

12.1. This License and the rights granted to You hereunder will terminate automatically if You fail to comply with any of the terms contained herein provided that such breach is not cured within 30 days after written notice has been given to You by WHO. All sublicenses of the Work, Contributions and/or Derivative Works which are properly granted to You shall survive termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive, including but not limited to Sections 1, 4, 5, 7, 8, 9, 10 and 11.

12.2. Notwithstanding termination of this License under Section 12.1, all recipients as referred to in Section 7 a) above who are validly using the Work, Contributions and/or Derivative Works may continue to do so, subject always however to the terms and conditions of this License.

13. Miscellaneous

13.1 Any dispute relating to the interpretation or application of this License shall, unless amicably settled, be subject to conciliation. In the event of failure of the latter, the dispute shall be settled by arbitration. The arbitration shall be conducted in accordance with the modalities to be agreed upon by the parties or, in the absence of agreement, in accordance with the arbitration rules of the International Chamber of Commerce. The parties shall accept the arbitral award as final.

13.2 Nothing in or relating to this License shall be deemed a waiver of any of the privileges and immunities of WHO in conformity with the Convention on the Privileges and

Immunities of the Specialized Agencies approved by the General Assembly of the United Nations on November 21, 1947 or otherwise under any national or international law, convention or agreement.

14. General Provisions

14.1 This License and its exhibits contain the entire understanding and agreement between the Parties respecting the subject matter hereof.

14.2 All captions and headings in this License are for purposes of convenience only and shall not affect the construction or interpretation of any of its provisions.

14.3 Any waiver by WHO of any default or breach hereunder shall not constitute a waiver of any provision of this License or of any subsequent default or breach of the same or a different kind.

14.4 If any provision of this License is invalid or unenforceable under any applicable statute or rule of law, it is to that extent to be deemed omitted. The remainder of the License shall be valid and enforceable to the maximum extent possible.

14.5 WHO reserves the right to revise and/or modify the terms of this License at any time. Any new versions of the License will be published on the SDMX-HD website.

Copyright (C) , 2008 World Health Organization. All Rights Reserved.