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Technical Assistance to the Mandatory Health Insurance Fund

Overview of the International Classification of Primary Care

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ABBREVIATIONS

FGP	Family Group Practice
FMC	Family Medical Center
GP	General Practitioner
ICD-9	International Code of Diseases 9th version
ICD-10	International Code of Diseases 10th version
ICD-11	International Code of Diseased 11th version
ICPC	International Classification of Primary Care
IT	Information Technology
m4h	Management4health
MCH	Maternal and Child Health
MHIF	Mandatory Health Insurance Fund
MoF	Ministry of Finance
MoHSD	Ministry of Health and Social Development
MoH	Ministry of Health
NCD	Non-Communicable Disease(s)
PHC	Primary Health Care
WHO	World Health Organization
WHO-FIC	WHO Family of International Classifications
WONCA	World Organization of National Colleges, Academies and Academic Associations of General Practitioners/Family Physicians
WICC	WONCA International Classification Committee

1 INTRODUCTION AND AIM OF THE DOCUMENT

The ToR for the project defines 3 objectives as follows:

1. Support the preparation and implementation of methodology for the revision of the State Guaranteed Benefit Package (SGBP);
2. Improve capacity of the MHIF in strategic purchasing; and
3. Support the preparation and implementation of methodology for the revision of the Additional Drug Package (ADP); and ADP pricing and reimbursement methodology.

This document is part of the delivery under second objective (related to contracting and payment methods) within which the following tasks are envisaged:

- Share international best practices, related to per capita payment mechanisms;
- Provide advice to the interdepartmental working group on the revision of capitation payment for PHC that consolidate existing performance-based initiatives and incorporating risk adjustment;
- Provide advice for the development and implementation of the procedure classification for PHC.

After Initial Report was accepted by the client, the Study on International Best Practice is submitted on 2nd September. Separate detailed presentation of international experience regarding PHC classification and capitation payment model was held on October 7th 2021 for Working Group Members.

Since the focus of both the Study and the PHC presentation was on the experiences of the countries defined as exemplary countries, it was agreed to present the International Classification of Primary Health through a separate document. Therefore, the aim of this document is to present the International Classification of Primary Care in a simple way through the analysis of available literature in order to facilitate decision-making process regarding the selection of the best classification for primary health care in the Kyrgyz Republic.

2 INTERNATIONAL CLASSIFICATION OF PRIMARY CARE

2.1 General information

Increasing health care information needs are being recognized all over the world. In order to deliver optimal health care, professionals need information about the epidemiological situation in their community, diagnostic tools based on patients' reasons for encounters, and best practice information for the diagnosis and the interventions that follow. The amount of information is huge and needs to be ordered in a way that allows intuitive searches.

Classification systems are being increasingly adopted by general practitioners throughout the world, particularly in the fast-growing number of practices utilizing computerized medical records.

The International Classification of Primary Care (ICPC) is internationally the most widely used tool for ordering clinical information in primary care and family medicine. ICPC is developed and updated by the WONCA International Classification Committee (WICC) which consists of a group of practicing primary care doctors and academics. ICPC is formally recognized by the World Health Organization's (WHO) Family of International Classifications (WHO-FIC) as a classification system for primary care. It is mapped to the International Classification of Diseases (ICD). This allows communication between the two classification systems and complementary usage.

ICPC is a classification which reflects the characteristic distribution and content of aspects of primary care. It is not a nomenclature. The richness of medicine at the level of the individual patient needs a nomenclature and thesaurus[1] much more extensive than ICPC, particularly for recording the specific detail required in an individual patient record. The use of ICPC together with ICD-10 and other classification systems can provide the basis of an adequate nomenclature and thesaurus.

The first edition, published in 1985, contained a list of conversion codes to ICD-9. Since then, ICD-10 has been introduced, and ICPC-2, published in 1987 has been carefully mapped to ICD-10 so that conversion systems can be used.

The availability of ICPC in many languages and the growing number of translations of ICD-10 accompanied by alphabetical indexes will allow family doctors in many countries to incorporate a detailed language-specific thesaurus in their system, at the same time using ICPC to systematically structure their records and the database in a more standardized way.

A new version ICPC-3 has been adopted by WONCA in December 2020 and endorsed on April 16th 2021. It is carefully linked to ICD-10, ICD-11, ICF, ICHI and Snomed CT. Also, linkages to the UHC Compendium will be available soon.

[1] Thesaurus is a specialized dictionary of different terminology, signs, synonyms etc.

2.2 Importance of coding

A classification is merely a method of placing the codes in a sorted and meaningful manner. A good structure allows you to manage the data within the practice in terms of groups of codes rather than just a specific individual code. We use structured coding systems in many areas of our lives.

Using an example within a student registration system, a typical hierarchical system may be:

Student ID number is 9435267:

9 **4**	First two numeric characters represent the year of the entry to the faculty
3	Third character represents the type of the faculty, in this case number 3 stands for the faculty of science
5	Forth character represents the type of school within the faculty, in this case number 4 stands for the school of phisics
2 **6** **7**	Last three characters represent the student number

With this structured coding system, you can easily identify:

- the number of students who first enrolled in 1994 at the university, by sorting on 94 only,
- the number who first enrolled in the faculty of science in 1994, by sorting on 943,
- the number specifically studying physics in the faculty in 1994, by sorting 9435,
- the individual student.

The same principle applies to the medical data. The core of a (computer-based) patient record is data coded with ICPC which is language independent. This enhances the use of practice records for a comparison of data from different countries, and it supports the development of general/family practice as an internationally well-developed profession with a well-defined and empirically based frame of reference.

ICPC codes are most commonly used by family doctors, but also by other health care providers in PHC, as they provide a sufficiently detailed level for reporting, analysis, and payment of healthcare services. Linking ICPC to clinical terminologies, without becoming too detailed or increasing the risk of coding inconsistencies, to collect data to classify morbidity data, for indexing of medical records, and health statistics from a PHC of view. ICPC codes can also be linked to guidelines, prescription systems, laboratory tests, patient leaflets etc. on computerised records, this will enhance their uses.

2.3 ICPC-2 Structure

ICPC was originally developed as a reason for encounter (consultancy/appointment/visit) classification. Since a patient's reason for encounter may be a known disease, a functional health problem, or a request for an intervention, ICPC needs to cover all three reference classifications on the level of a single PHC provider. Therefore, ICPC has codes for functioning and for interventions, although it has been mainly used in the diagnostic area.

ICPC-2 has a specific structure called **Bi-axial Alpha-numeric coding**. That means there are two axis, first axis is alpha character and the second one is numeric.

Axis 1	Alpha character (one letter)	Represent 17 chapters on body systems
Axis 2	Numeric character (two numbers)	Represent 7 components

– **Body systems chapters** - representing the localization of the problem and/or disease. This makes it easy use for healthcare providers. As well as chapters for the different body systems, there is a chapter for general and unspecified issues, and a chapter for social problems. The ability to capture unspecified issues and social problems is extremely important to understand what happens in primary care. The chapters are:

No	Chapter	Description
1.	**A**	General and Unspecified
2.	**B**	Blood, Blood Forming Organs and Immune Mechanism
3.	**D**	Digestive
4.	**F**	Eye
5.	**H**	Ear
6.	**K**	Cardiovascular
7.	**L**	Musculoskeletal
8.	**N**	Neurological
9.	**P**	Psychological
10.	**R**	Respiratory
11.	**S**	Skin
12.	**T**	Endocrine/Metabolic and Nutritional
13.	**U**	Urological
14.	**W**	Pregnancy, Childbearing, Family Planning
15.	**X**	Female Genital
16.	**Y**	Male Genital
17.	**Z**	Social Problems

– **Components** - The chapters are divided into seven components. The components deal with:

No	Code	Description
1.	**1-29**	Symptoms and Complaints
2.	**30-49**	Diagnostics, Screening and Preventive procedures
3.	**50-59**	Medication, Treatment and Procedures
4.	**60-61**	Test results
5.	**62**	Administration
6.	**63-69**	Referrals and other reasons for encounter
7.	**70-79**	Diagnosis/Diseases

A great deal of attention is paid to the patient's symptoms and complaints in the first component of each chapter as the reason for encounter (RFE), which is not captured by ICD. Linkage of codes from the beginning of an encounter, with the RFE, to its conclusion is possible with ICPC-2.

Codes 30-69 are so called **process codes** because they are related to the PHC services, as described in the table above.

There is a special division among the codes 70-79 that are standing for the diagnosis/diseases to the following: infections, neoplasms, injuries, congenital anomalies and other diagnosis.

There are so-called *rug-bug rubrics* that stands for the "other" cases that can not be describe by using all the other options. They are places at the end of component of each chapter, always with the number 9 as a second numeric character. Here is the example of these codes within the chapter H – Ear:

Code	Description
H29	Ear Symptom/Complaint other
H69	Ear - Other reason for encounter
H79	Ear injury other
H99	Ear/Mastoid disease other

2.4 Mapping ICD-10 to ICPC2

This mapping allows ICPC to be used as the primary care lens into ICD. The reason for doing so is that the granularity of ICD is often too high and complex for its practical use in primary care. For example, for the single code of 'sinusitis' in ICPC-2, there are 16 concepts and subclasses in ICD. This level of detail is often unnecessary for primary care.

Example:

ICD-10	ICPC-2	*ICD-10*	ICPC-2	*ICD-10*	ICPC-2	*ICD-10*	ICPC-2
A00	D70	*A06*	D70	*A17*	A70	*A23*	A78
A01	D70	*A07*	D70	*A18*	A70	*A24*	A78
A02	D70	*A08*	D70	*A19*	A70	*A25*	A78
A03	D70	*A09*	D73	*A20*	A78	*A26*	A78
A04	D70	*A15*	A70	*A21*	A78	*A27*	A78
A05	D70	*A16*	A70	*A22*	A78	*A28*	A78

Source: International Classification of Primary Care, Oxford Medical Publications, available on: http://www.ph3c.org/PH3C/docs/27/000496/0000908.pdf

Similarly, in many cases ICD does not contain higher-level overarching codes or codes aggregated at a higher level which are often more meaningful for primary care. ICPC therefore provides the higher level terms to ICD and by doing this allows for a more meaningful aggregation of ICD-data at primary level. For example, in ICPC the most frequent cancers of the digestive system (colon cancer, stomach cancer and pancreatic cancer) have their own individual codes, and there is one code which captures other digestive cancers. This is not possible to do with ease with ICD, with 12 classes and sub-classes of digestives cancer and in the case of colon cancer ICD being split into many subclasses what is missing is the higher-level code of "large bowel cancer". Users will sometimes want to separate out certain problems contained in a high-level overarching code or in aggregated codes into a more specific code. Expanded codes through ICPC-ICD mapping allow such users to be more specific, for example enabling the recording of diseases of low prevalence but of high clinical importance.

2.5 ICPC-3

It is quite obvious that ICPC-2 is not completely comprehensive, but improvement is constantly being worked on, as can be seen through the appearance of the third version of this classification.

There are certain diseases (like HIV/AIDS or COVID or other public health issues) that are not included. Also, there are no rubrics that are standing for risk factors (that are quite important for preventive care) or personal patient factors/characteristics.

ICPC-3 is published with the idea of compensating for the mentioned shortcomings. The ICPC-3 includes all those classes / concepts in primary care that can lead to better decisions by the providers and policy makers. It includes the new approach to health, person-centeredness, providing a medical language that is used in daily practice, instead of a medical language that has been developed for morbidity and mortality statistical purposes only.

ICPC-3 also has the Bi-axial Alpha-numeric coding, however there are more characters than just a three (one alpha and two numeric) like in ICPC-2, more chapters and which makes it much more complicated to use, especially in conditions where there is no complete computer equipment in PHC facilities.

3 CONCLUSION

The main advantages of ICPC are:

- It allows patients' health problems to be tracked over time trough the recording of episodes of care, and by allowing the coding of the reason for encounter trough to a recognizable disease/health problem and interventions,
- ICPC is a classification system which aims to reflect the content of primary care. The ICPC contains codes that are mainly based on the frequencies with which they are encountered in primary care and with a level of detail that is appropriate for primary care. It is possible to tailor ICPC to match local epidemiological needs,
- It complements other classifications like ICD,
- It is simple, good organized PHC classification that can be use even without IT infrastructure. It is available both in electronical and hard copy versions,
- ICPC is easy to distribute, with one of the key features highlighted by the creators being the fact that the entire list of codes fits on two A4 sheets. In addition, with the help of alpha numeric characters and colors, the user can very quickly find the appropriate code, which leads us to the conclusion that training health system staff to use the ICPC-2 should not require a lot of time and resources.
- It enables meaningful feedback to primary care, enables the exchange of information between primary and secondary care, as well as with policy-makers and funders to understand what is happening in primary care, and therefore improve the provision of care.

4 LITERATURE

- ICPC by WONCA, available on: https://www.globalfamilydoctor.com/site/DefaultSite/filesystem/documents/Groups/WICC/International%20Classification%20of%20Primary%20Care%20Dec16.pdf
- The International Classification of Primary Care: capturing and sorting clinical information, available on: https://www.scielosp.org/article/csc/2020.v25n4/1241-1250/en/
- https://www.integratedcare4people.org/toolkits/1644/international-classification-of-primary-care-3rd-revision/
- International Classification of Primary Care, OXFORD MEDICAL PUBLICATIONS, available on: http://www.ph3c.org/PH3C/docs/27/000496/0000908.pdf
- http://www.ph3c.org/PH3C/docs/27/000197/0000188.pdf
- Family International classifications, WHO, available on: https://www.who.int/classifications/en/WHOFICFamily.pdf
- The coming of age of ICPC: celebrating the 21st birthday of the International Classification of Primary Care, available on: https://pubmed.ncbi.nlm.nih.gov/18562335/

5 ANNEX

ICPC-2 – English

International Classification of Primary Care – 2nd Edition

Wonca International Classification Committee (WICC)

Process codes

-30	Medical Exam/Eval-Complete
-31	Medical Examination/Health Evaluation-Partial/Pre-op check
-32	Sensitivity Test
-33	Microbiological/Immunological Test
-34	Blood Test
-35	Urine Test
-36	Faeces Test
-37	Histological/Exfoliative Cytology
-38	Other Laboratory Test NEC
-39	Physical Function Test
-40	Diagnostic Endoscopy
-41	Diagnostic Radiology/Imaging
-42	Electrical Tracings
-43	Other Diagnostic Procedures
-44	Preventive Immunisations/Medications
-45	Observe/Educate/Advice/Diet
-46	Consult with Primary Care Provider
-47	Consultation with Specialist
-48	Clarification/Discuss Patient's RFE
-49	Other Preventive Procedures
-50	Medicat-Script/Reqst/Renew/Inject
-51	Incise/Drain/Flush/Aspirate
-52	Excise/Remove/Biopsy/Destruction/Debride
-53	Instrument/Catheter/Intubate/Dilate
-54	Repair/Fixate-Suture/Cast/Prosthetic
-55	Local Injection/Infiltration
-56	Dress/Press/Compress/Tamponade
-57	Physical Medicine/Rehabilitation
-58	Therapeutic Counselling/Listening
-59	Other Therapeutic Procedure NEC
-60	Results Tests/Procedures
-61	Results Exam/Test/Record
-62	Administrative Procedure
-63	Follow-up Encounter Unspecified
-64	Encounter Initiated by Provider
-65	Encounter Initiated third person
-66	Refer to Other Provider (EXCL M.D.)
-67	Referral to Physician/Specialist/Clinic/Hospital
-68	Other Referrals NEC
-69	Other Reason for Encounter NEC

General and Unspecified A

A01	Pain general/multiple sites
A02	Chills
A03	Fever
A04	Weakness/tiredness general
A05	Feeling ill
A06	Fainting/syncope
A07	Coma
A08	Swelling
A09	Sweating problem
A10	Bleeding/haemorrhage NOS
A11	Chest pain NOS
A13	Concern/fear medical treatment
A16	Irritable infant
A18	Concern about appearance
A20	Euthanasia request/discussion
A21	Risk factor for malignancy
A23	Risk factor NOS
A25	Fear of death/dying
A26	Fear of cancer NOS
A27	Fear of other disease NOS
A28	Limited function/disability NOS
A29	General symptom/complaint other
A70	Tuberculosis
A71	Measles
A72	Chickenpox
A73	Malaria
A74	Rubella
A75	Infectious mononucleosis
A76	Viral exanthem other
A77	Viral disease other/NOS
A78	Infectious disease other/NOS
A79	Malignancy NOS
A80	Trauma/injury NOS
A81	Multiple trauma/injuries
A82	Secondary effect of trauma
A84	Poisoning by medical agent
A85	Adverse effect medical agent
A86	Toxic effect non-medicinal substance
A87	Complication of medical treatment
A88	Adverse effect physical factor
A89	Effect prosthetic device
A90	Congenital anomaly OS/multiple
A91	Abnormal result investigation NOS
A92	Allergy/allergic reaction NOS
A93	Premature newborn
A94	Perinatal morbidity other
A95	Perinatal mortality
A96	Death
A97	No disease
A98	Health maintenance/prevention
A99	General disease NOS

Blood, Blood Forming Organs and Immune Mechanism B

B02	Lymph gland(s) enlarged/painful
B04	Blood symptom/complaint
B25	Fear of aids/HIV
B26	Fear cancer blood/lymph
B27	Fear blood/lymph disease other
B28	Limited function/disability
B29	Sympt/complt lymph/immune other
B70	Lymphadenitis acute
B71	Lymphadenitis non-specific
B72	Hodgkin's disease/lymphoma
B73	Leukaemia
B74	Malignant neoplasm blood other
B75	Benign/unspecified neoplasm blood
B76	Ruptured spleen traumatic
B77	Injury blood/lymph/spleen other
B78	Hereditary haemolytic anaemia
B79	Congen.anom. blood/lymph. other
B80	Iron deficiency anaemia
B81	Anaemia, Vitamin B12/folate def.
B82	Anaemia other/unspecified
B83	Purpura/coagulation defect
B84	Unexplained abnormal white cells
B87	Splenomegaly
B90	HIV-infection/aids
B99	Blood/lymph/spleen disease other

PROCESS CODES

SYMPTOMS/COMPLAINTS

INFECTIONS

NEOPLASMS

INJURIES

CONGENITAL ANOMALIES

OTHER DIAGNOSES

Digestive D

D01	Abdominal pain/cramps general
D02	Abdominal pain epigastric
D03	Heartburn
D04	Rectal/anal pain
D05	Perianal itching
D06	Abdominal pain localized other
D07	Dyspepsia/indigestion
D08	Flatulence/gas/belching
D09	Nausea
D10	Vomiting
D11	Diarrhoea
D12	Constipation
D13	Jaundice
D14	Haematemesis/vomiting blood
D15	Melaena
D16	Rectal bleeding
D17	Incontinence of bowel
D18	Change faeces/bowel movements
D19	Teeth/gum symptom/complaint
D20	Mouth/tongue/lip symptom/complt.
D21	Swallowing problem
D23	Hepatomegaly
D24	Abdominal mass NOS
D25	Abdominal distension
D26	Fear of cancer of digestive system
D27	Fear of digestive disease other
D28	Limited function/disability (d)
D29	Digestive symptom/complaint other
D70	Gastrointestinal infection
D71	Mumps
D72	Viral hepatitis
D73	Gastroenteritis presumed infection
D74	Malignant neoplasm stomach
D75	Malignant neoplasm colon/rectum
D76	Malignant neoplasm pancreas
D77	Malig. neoplasm digest other/NOS
D78	Neoplasm digest benign/uncertain
D79	Foreign body digestive system
D80	Injury digestive system other
D81	Congen. anomaly digestive system
D82	Teeth/gum disease
D83	Mouth/tongue/lip disease
D84	Oesophagus disease
D85	Duodenal ulcer
D86	Peptic ulcer other
D87	Stomach function disorder
D88	Appendicitis
D89	Inguinal hernia
D90	Hiatus hernia
D91	Abdominal hernia other
D92	Diverticular disease
D93	Irritable bowel syndrome
D94	Chronic enteritis/ulcerative colitis
D95	Anal fissure/perianal abscess
D96	Worms/other parasites
D97	Liver disease NOS
D98	Cholecystitis/cholelithiasis
D99	Disease digestive system, other

Eye F

F01	Eye pain
F02	Red eye
F03	Eye discharge
F04	Visual floaters/spots
F05	Visual disturbance other
F13	Eye sensation abnormal
F14	Eye movements abnormal
F15	Eye appearance abnormal
F16	Eyelid symptom/complaint
F17	Glasses symptom/complaint
F18	Contact lens symptom/complaint
F27	Fear of eye disease
F28	Limited function/disability (f)
F29	Eye symptom/complaint other
F70	Conjunctivitis infectious
F71	Conjunctivitis allergic
F72	Blepharitis/stye/chalazion
F73	Eye infection/inflammation other
F74	Neoplasm of eye/adnexa
F75	Contusion/haemorrhage eye
F76	Foreign body in eye
F79	Injury eye other
F80	Blocked lacrimal duct of infant
F81	Congenital anomaly eye other
F82	Detached retina
F83	Retinopathy
F84	Macular degeneration
F85	Corneal ulcer
F86	Trachoma
F91	Refractive error
F92	Cataract
F93	Glaucoma
F94	Blindness
F95	Strabismus
F99	Eye/adnexa disease, other

Ear H

H01	Ear pain/earache
H02	Hearing complaint
H03	Tinnitus, ringing/buzzing ear
H04	Ear discharge
H05	Bleeding ear
H13	Plugged feeling ear
H15	Concern with appearance of ears
H27	Fear of ear disease
H28	Limited function/disability ear
H29	Ear symptom/complaint other
H70	Otitis externa
H71	Acute otitis media/myringitis
H72	Serous otitis media
H73	Eustachian salpingitis
H74	Chronic otitis media
H75	Neoplasm of ear
H76	Foreign body in ear
H77	Perforation ear drum
H78	Superficial injury of ear
H79	Ear injury other
H80	Congenital anomaly of ear
H81	Excessive ear wax
H82	Vertiginous syndrome
H83	Otosclerosis
H84	Presbyacusis
H85	Acoustic trauma
H86	Deafness
H99	Ear/mastoid disease, other

Cardiovascular K

K01	Heart pain
K02	Pressure/tightness of heart
K03	Cardiovascular pain NOS
K04	Palpitations/awareness of heart
K05	Irregular heartbeat other
K06	Prominent veins
K07	Swollen ankles/oedema
K22	Risk factor cardiovascular disease
K24	Fear of heart disease
K25	Fear of hypertension
K27	Fear cardiovascular disease other
K28	Limited function/disability (k)
K29	Cardiovascular sympt./complt. other
K70	Infection of circulatory system
K71	Rheumatic fever/heart disease
K72	Neoplasm cardiovascular
K73	Congenital anomaly cardiovascular
K74	Ischaemic heart disease w. angina
K75	Acute myocardial infarction
K76	Ischaemic heart disease w/o angina
K77	Heart failure
K78	Atrial fibrillation/flutter
K79	Paroxysmal tachycardia
K80	Cardiac arrhythmia NOS
K81	Heart/arterial murmur NOS
K82	Pulmonary heart disease
K83	Heart valve disease NOS
K84	Heart disease other
K85	Elevated blood pressure
K86	Hypertension uncomplicated
K87	Hypertension complicated
K88	Postural hypotension
K89	Transient cerebral ischaemia
K90	Stroke/cerebrovascular accident
K91	Cerebrovascular disease
K92	Atherosclerosis/PVD
K93	Pulmonary embolism
K94	Phlebitis/thrombophlebitis
K95	Varicose veins of leg
K96	Haemorrhoids
K99	Cardiovascular disease other

Musculoskeletal L

L01	Neck symptom/complain
L02	Back symptom/complaint
L03	Low back symptom/complaint
L04	Chest symptom/complaint
L05	Flank/axilla symptom/complaint
L07	Jaw symptom/complaint
L08	Shoulder symptom/complaint
L09	Arm symptom/complaint
L10	Elbow symptom/complaint
L11	Wrist symptom/complaint
L12	Hand/finger symptom/complaint
L13	Hip symptom/complaint
L14	Leg/thigh symptom/complaint
L15	Knee symptom/complaint
L16	Ankle symptom/complaint
L17	Foot/toe symptom/complaint
L18	Muscle pain
L19	Muscle symptom/complaint NOS
L20	Joint symptom/complaint NOS
L26	Fear of cancer musculoskeletal
L27	Fear musculoskeletal disease other
L28	Limited function/disability (l)
L29	Sympt/complt. Musculoskeletal other
L70	Infections musculoskeletal system
L71	Malignant neoplasm musculoskeletal
L72	Fracture: radius/ulna
L73	Fracture: tibia/fibula
L74	Fracture: hand/foot bone
L75	Fracture: femur
L76	Fracture: other
L77	Sprain/strain of ankle
L78	Sprain/strain of knee
L79	Sprain/strain of joint NOS
L80	Dislocation/subluxation
L81	Injury musculoskeletal NOS
L82	Congenital anomaly musculoskeletal
L83	Neck syndrome
L84	Back syndrome w/o radiating pain
L85	Acquired deformity of spine
L86	Back syndrome with radiating pain
L87	Bursitis/tendinitis/synovitis NOS
L88	Rheumatoid/seropositive arthritis
L89	Osteoarthrosis of hip
L90	Osteoarthrosis of knee
L91	Osteoarthrosis other
L92	Shoulder syndrome
L93	Tennis elbow
L94	Osteochondrosis
L95	Osteoporosis
L96	Acute internal damage knee
L97	Neoplasm benign/unspec musculo.
L98	Acquired deformity of limb
L99	Musculoskeletal disease, other

Neurological N

N01	Headache
N03	Pain face
N04	Restless legs
N05	Tingling fingers/feet/toes
N06	Sensation disturbance other
N07	Convulsion/seizure
N08	Abnormal involuntary movements
N16	Disturbance of smell/taste
N17	Vertigo/dizziness
N18	Paralysis/weakness
N19	Speech disorder
N26	Fear cancer neurological system
N27	Fear of neurological disease other
N28	Limited function/disability (n)
N29	Neurological symptom/complt. other
N70	Poliomyelitis
N71	Meningitis/encephalitis
N72	Tetanus
N73	Neurological infection other
N74	Malignant neoplasm nervous system
N75	Benign neoplasm nervous system
N76	Neoplasm nervous system unspec.
N79	Concussion
N80	Head injury other
N81	Injury nervous system other
N85	Congenital anomaly neurological
N86	Multiple sclerosis
N87	Parkinsonism
N88	Epilepsy
N89	Migraine
N90	Cluster headache
N91	Facial paralysis/bell's palsy
N92	Trigeminal neuralgia
N93	Carpal tunnel syndrome
N94	Peripheral neuritis/neuropathy
N95	Tension headache
N99	Neurological disease, other

Psychological P

P01 Feeling anxious/nervous/tense
P02 Acute stress reaction
P03 Feeling depressed
P04 Feeling/behaving irritable/angry
P05 Senility, feeling/behaving old
P06 Sleep disturbance
P07 Sexual desire reduced
P08 Sexual fulfilment reduced
P09 Sexual preference concern
P10 Stammering/stuttering/tic
P11 Eating problem in child
P12 Bedwetting/enuresis
P13 Encopresis/bowel training problem
P15 Chronic alcohol abuse
P16 Acute alcohol abuse
P17 Tobacco abuse
P18 Medication abuse
P19 Drug abuse
P20 Memory disturbance
P22 Child behaviour symptom/complaint
P23 Adolescent behav. Symptom/complt.
P24 Specific learning problem
P25 Phase of life problem adult
P27 Fear of mental disorder
P28 Limited function/disability (p)
P29 Psychological symptom/complt other
P70 Dementia
P71 Organic psychosis other
P72 Schizophrenia
P73 Affective psychosis
P74 Anxiety disorder/anxiety state
P75 Somatization disorder
P76 Depressive disorder
P77 Suicide/suicide attempt
P78 Neuraesthenia/surmenage
P79 Phobia/compulsive disorder
P80 Personality disorder
P81 Hyperkinetic disorder
P82 Post-traumatic stress disorder
P85 Mental retardation
P86 Anorexia nervosa/bulimia
P98 Psychosis NOS/other
P99 Psychological disorders, other

Respiratory R

R01 Pain respiratory system
R02 Shortness of breath/dyspnoea
R03 Wheezing
R04 Breathing problem, other
R05 Cough
R06 Nose bleed/epistaxis
R07 Sneezing/nasal congestion
R08 Nose symptom/complaint other
R09 Sinus symptom/complaint
R21 Throat symptom/complaint
R23 Voice symptom/complaint
R24 Haemoptysis
R25 Sputum/phlegm abnormal
R26 Fear of cancer respiratory system
R27 Fear of respiratory disease, other
R28 Limited function/disability (r)
R29 Respiratory symptom/complaint oth.
R71 Whooping cough
R72 Strep throat
R73 Boil/abscess nose
R74 Upper respiratory infection acute
R75 Sinusitis acute/chronic
R76 Tonsillitis acute
R77 Laryngitis/tracheitis acute
R78 Acute bronchitis/bronchiolitis
R79 Chronic bronchitis
R80 Influenza
R81 Pneumonia
R82 Pleurisy/pleural effusion
R83 Respiratory infection other
R84 Malignant neoplasm bronchus/lung
R85 Malinant neoplasm respiratory, other
R86 Benign neoplasm respiratory
R87 Foreign body nose/larynx/bronch
R88 Injury respiratory other
R89 Congenital anomaly respiratory
R90 Hypertrophy tonsils/adenoids
R92 Neoplasm respiratory unspecified
R95 Chronic obstructive pulmonary dis
R96 Asthma
R97 Allergic rhinitis
R98 Hyperventilation syndrome
R99 Respiratory disease other

PROCESS CODES
SYMPTOMS/COMPLAINTS
INFECTIONS
NEOPLASMS
INJURIES
CONGENITAL ANOMALIES
OTHER DIAGNOSES

Skin S

S01 Pain/tenderness of skin
S02 Pruritus
S03 Warts
S04 Lump/swelling localized
S05 Lumps/swellings generalized
S06 Rash localized
S07 Rash generalized
S08 Skin colour change
S09 Infected finger/toe
S10 Boil/carbuncle
S11 Skin infection post-traumatic
S12 Insect bite/sting
S13 Animal/human bite
S14 Burn/scald
S15 Foreign body in skin
S16 Bruise/contusion
S17 Abrasion/scratch/blister
S18 Laceration/cut
S19 Skin injury other
S20 Corn/callosity
S21 Skin texture symptom/complaint
S22 Nail symptom/complaint
S23 Hair loss/baldness
S24 Hair/scalp symptom/complaint
S26 Fear of cancer of skin
S27 Fear of skin disease other
S28 Limited function/disability (s)
S29 Skin symptom/complaint other
S70 Herpes zoster
S71 Herpes simplex
S72 Scabies/other acariasis
S73 Pediculosis/skin infestation other
S74 Dermatophytosis
S75 Moniliasis/candidiasis skin
S76 Skin infection other
S77 Malignant neoplasm of skin
S78 Lipoma
S79 Neoplasm skin benign/unspecified
S80 Solar keratosis/sunburn
S81 Haemangioma/lymphangioma
S82 Naevus/mole
S83 Congenital skin anomaly other
S84 Impetigo
S85 Pilonidal cyst/fistula
S86 Dermatitis seborrhoeic
S87 Dermatitis/atopic eczema
S88 Dermatitis contact/allergic
S89 Diaper rash
S90 Pityriasis rosea
S91 Psoriasis
S92 Sweat gland disease
S93 Sebaceous cyst
S94 Ingrowing nail
S95 Molluscum contagiosum
S96 Acne
S97 Chronic ulcer skin
S98 Urticaria
S99 Skin disease, other

Endocrine/Metabolic and Nutritional T

T01 Excessive thirst
T02 Excessive appetite
T03 Loss of appetite
T04 Feeding problem of infant/child
T05 Feeding problem of adult
T07 Weight gain
T08 Weight loss
T10 Growth delay
T11 Dehydration
T26 Fear of cancer of endocrine system
T27 Fear endocrine/metabolic dis other
T28 Limited function/disability (t)
T29 Endocrine/met./sympt/complt other
T70 Endocrine infection
T71 Malignant neoplasm thyroid
T72 Benign neoplasm thyroid
T73 Neoplasm endocrine oth/unspecified
T78 Thyroglossal duct/cyst
T80 Congenital anom endocrine/metab.
T81 Goitre
T82 Obesity
T83 Overweight
T85 Hyperthyroidism/thyrotoxicosis
T86 Hypothyroidism/myxoedema
T87 Hypoglycaemia
T89 Diabetes insulin dependent
T90 Diabetes non-insulin dependent
T91 Vitamin/nutritional deficiency
T92 Gout
T93 Lipid disorder
T99 Endocrine/metab/nutrit. dis. other

Urological U

U01 Dysuria/painful urination
U02 Urinary frequency/urgency
U04 Incontinence urine
U05 Urination problems other
U06 Haematuria
U07 Urine symptom/complaint other
U08 Urinary retention
U13 Bladder symptom/complaint other
U14 Kidney symptom/complaint
U26 Fear of cancer of urinary system
U27 Fear of urinary disease other
U28 Limited function/disability urinary
U29 Urinary symptom/complaint other
U70 Pyelonephritis/pyelitis
U71 Cystitis/urinary infection other
U72 Urethritis
U75 Malignant neoplasm of kidney
U76 Malignant neoplasm of bladder
U77 Malignant neoplasm urinary other
U78 Benign neoplasm urinary tract
U79 Neoplasm urinary tract NOS
U80 Injury urinary tract
U85 Congenital anomaly urinary tract
U88 Glomerulonephritis/nephrosis
U90 Orthostatic albumin./proteinuria
U95 Urinary calculus
U98 Abnormal urine test NOS
U99 Urinary disease, other

Pregnancy, Childbearing, Family Planning W

W01 Question of pregnancy
W02 Fear of pregnancy
W03 Antepartum bleeding
W05 Pregnancy vomiting/nausea
W10 Contraception postcoital
W11 Contraception oral
W12 Contraception intrauterine
W13 Sterilization
W14 Contraception other
W15 Infertility/subfertility
W17 Post-partum bleeding
W18 Post-partum symptom/complaint oth.
W19 Breast/lactation symptom/complaint
W21 Concern body image in pregnancy
W27 Fear complications of pregnancy
W28 Limited function/disability (w)
W29 Pregnancy symptom/complaint other
W70 Puerperal infection/sepsis
W71 Infection complicating pregnancy
W72 Malignant neoplasm relate to preg.
W73 Benign/unspec. neoplasm/pregnancy
W75 Injury complicating pregnancy
W76 Congenital anomaly complicate preg.
W78 Pregnancy
W79 Unwanted pregnancy
W80 Ectopic pregnancy
W81 Toxaemia of pregnancy
W82 Abortion spontaneous
W83 Abortion induced
W84 Pregnancy high risk
W85 Gestational diabetes
W90 Uncomplicate labour/delivery live
W91 Uncomplicate labour/delivery still
W92 Complicate labour/ delivery livebirth
W93 Complicate labour/delivery stillbirth
W94 Puerperal mastitis
W95 Breast disorder in pregnancy other
W96 Complications of puerperium other
W99 Disorder pregnancy/delivery, other

Female Genital X

X01 Genital pain female
X02 Menstrual pain
X03 Intermenstrual pain
X04 Painful intercourse female
X05 Menstruation absent/scanty
X06 Menstruation excessive
X07 Menstruation irregular/frequent
X08 Intermenstrual bleeding
X09 Premenstrual symptom/complaint
X10 Postponement of menstruation
X11 Menopausal symptom/complaint
X12 Postmenopausal bleeding
X13 Postcoital bleeding
X14 Vaginal discharge
X15 Vaginal symptom/complaint other
X16 Vulval symptom/complaint
X17 Pelvis symptom/complaint female
X18 Breast pain female
X19 Breast lump/mass female
X20 Nipple symptom/complaint female
X21 Breast symptom/complt. female other
X22 Concern breast appearance female
X23 Fear sexually transmitted disease (f)
X24 Fear of sexual dysfunction female
X25 Fear of genital cancer female
X26 Fear of breast cancer female
X27 Fear genital/breast disease other (f)
X28 Limited function/disability (x)
X29 Genital symptom/complt female oth.
X70 Syphilis female
X71 Gonorrhoea female
X72 Genital candidiasis female
X73 Genital trichomoniasis female
X74 Pelvic inflammatory disease
X75 Malignant neoplasm cervix
X76 Malignant neoplasm breast female
X77 Malignant neoplasm genital other (f)
X78 Fibromyoma uterus
X79 Benign neoplasm breast female
X80 Benign neoplasm female genital
X81 Genital neoplasm oth/unspecied (f)
X82 Injury genital female
X83 Congenital anomaly genital female
X84 Vaginitis/vulvitis NOS
X85 Cervical disease NOS
X86 Abnormal cervix smear
X87 Uterovaginal prolapse
X88 Fibrocystic disease breast
X89 Premenstrual tension syndrome
X90 Genital herpes female
X91 Condylomata acuminata female
X92 Chlamydia infection genital (f)
X99 Genital disease female, other

Male Genital Y

Y01 Pain in penis
Y02 Pain in testis/scrotum
Y03 Urethral discharge
Y04 Penis symptom/complaint other
Y05 Scrotum/testis sympt/complt. other
Y06 Prostate symptom/complaint
Y07 Impotence NOS
Y08 Sexual function sympt./complt.(m)
Y10 Infertility/subfertility male
Y13 Sterilization male
Y14 Family planning male other
Y16 Breast symptom/complaint male
Y24 Fear of sexual dysfunction male
Y25 Fear sexually transmitted dis. male
Y26 Fear of genital cancer male
Y27 Fear of genital disease male other
Y28 Limited function/disability (y)
Y29 Genital sympt./complt.male other
Y70 Syphilis male
Y71 Gonorrhoea male
Y72 Genital herpes male
Y73 Prostatitis/seminal vesiculitis
Y74 Orchitis/epididymitis
Y75 Balanitis
Y76 Condylomata acuminata male
Y77 Malignant neoplasm prostate
Y78 Malign neoplasm male genital other
Y79 Benign/unspec. neoplasm gen. (m)
Y80 Injury male genital
Y81 Phimosis/redundant prepuce
Y82 Hypospadias
Y83 Undescended testicle
Y84 Congenital genl anomaly (m) other
Y85 Benign prostatic hypertrophy
Y86 Hydrocoele
Y99 Genital disease male, other

Social Problems Z

Z01 Poverty/financial problem
Z02 Food/water problem
Z03 Housing/neighbourhood problem
Z04 Social cultural problem
Z05 Work problem
Z06 Unemployment problem
Z07 Education problem
Z08 Social welfare problem
Z09 Legal problem
Z10 Health care system problem
Z11 Compliance/being ill problem
Z12 Relationship problem with partner
Z13 Partner's behaviour problem
Z14 Partner illness problem
Z15 Loss/death of partner problem
Z16 Relationship problem with child
Z18 Illness problem with child
Z19 Loss/death of child problem
Z20 Relationship prob. parent/family
Z21 Behaviour problem parent/family
Z22 Illness problem parent/family
Z23 Loss/death parent/family member
Z24 Relationship problem friend
Z25 Assault/harmful event problem
Z27 Fear of a social problem
Z28 Limited function/disability (z)
Z29 Social problem NOS

Abbreviations

Anom	anomaly
behav.	behaviour
bronch.	bronchus
complicat.	complication
congen.	congenital
dis.	disease
eval.	evaluation
exam.	examination
gen.	genital
malig.	malignant
metab.	metabolic
musculo.	musculoskeletal
NEC	not elsewhere classified
NOS	not otherwise specified
nutrit.	nutrition
oth	other
preg.	pregnancy
prob.	problem
RFE	reason for encounter
sympt.	symptom
unspec.	unspecified
w	with
w/o	without