

Supplement 1. ICPC codes of chronic diseases.

ICPC Code	Diagnosis	Combined into a Diagnostic Cluster (See Also Supplement 2)
A70	Tuberculosis	
A79	Malignancy NOS	Cancer
A90	Congenital anomaly OS/multiple	Congenital diseases
B72	Hodgkin's disease/lymphoma	Cancer
B73	Leukaemia	Cancer
B74	Malignant neoplasm blood other	Cancer
B78	Hereditary haemolytic anaemia	
B81	Anaemia, Vitamin B12/folate deficiency	Anaemia
B82	Anaemia other/unspecified	Anaemia
B83	Purpura coagulation defects	
B90	HIV infection AIDS	
D74	Malignant neoplasm stomach	Cancer
D75	Malignant neoplasm colon/rectum	Cancer
D76	Malignant neoplasm pancreas	Cancer
D77	Malig. neoplasm digest other/NOS	Cancer
D84	Oesophagus disease	Congenital diseases
D85	Duodenal ulcer	Ulcer
D86	Peptic ulcer other	Ulcer
D92	Diverticular disease	
D93	Irritable bowel syndrome	
D94	Chronic enteritis ulcerative colitis	
D97	Cirrhosis Liver disease NOS	
D98	Cholecystitis cholelithiasis	
F83	Retinopathy	Visual impairment
F84	Macular degeneration	Visual impairment
F92	Cataract	Visual impairment
F93	Glaucoma	Visual impairment
F94	Blindness	Visual impairment
H82	Vertiginous syndrome	
H84	Presbycusis	Hearing impairment
H85	Acoustic trauma	Hearing impairment
H86	Deafness	Hearing impairment
K73	Congenital anomaly cardiovascular	Congenital diseases
K74	Ischemic heart disease with angina	Ischaemic heart disease
K75	Acute myocardial infarction	Ischaemic heart disease
K76	Ischemic heart disease without angina	Ischaemic heart disease
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	
K86	Hypertension uncomplicated	Hypertension
K87	Hypertension complicated	Hypertension
K88	Postural hypotension	
K89	Transient cerebral ischaemia	Stroke
K90	Stroke/ cerebrovascular accident	Stroke
K91	Atherosclerosis	

K92	Peripheral vascular disease	
K93	Pulmonary embolism	
K94	Phlebitis thrombophlebitis	
K95	Varicose veins of leg	
L71	Malignant neoplasm musculoskeletal	Cancer
L83	Neck syndrome	Spinal cord
L84	Back syndrome w/o radiating pain	Spinal cord
L85	Acquired deformity of spine	Spinal cord
L86	Back syndrome with radiating pain	Spinal cord
L88	Rheumatoid arthritis and related diseases	(cases)
L89	Osteoarthritis of hip	Osteoarthritis
L90	Osteoarthritis of knee	Osteoarthritis
L91	Osteoarthritis other	Osteoarthritis
L92	Shoulder syndrome	
L93	Tennis elbow	
L95	Osteoporosis	
N73	Neurological infection other	
N74	Malignant neoplasm nervous system	Cancer
N75	Benign neoplasm nervous system	
N76	Neoplasm nervous system unspecified	Congenital diseases
N85	Congenital anomaly neurological	Congenital diseases
N86	Multiple sclerosis	
N87	Parkinsonism	
N88	Epilepsy	
N89	Migraine	Migraine
N90	Cluster headache	Migraine
N92	Trigeminal neuralgia	Migraine
N93	Carpal tunnel syndrome	
N94	Peripheral neuritis neuropathy	
P15	Chronic alcohol abuse	
P70	Dementia	
P71	Organic psychosis other	
P72	Schizophrenia	
P73	Affective psychosis	
P74	Anxiety disorder/anxiety state	Anxiety disorders
P75	Somatisation disorder	
P76	Depressive disorder	
P78	Neuraesthesia surmenage	
P79	Phobia/compulsive disorder	Anxiety disorders
P80	Personality disorder	
P85	Mental retardation	
P98	Psychosis NOS other	
R84	Malignant neoplasm bronchus/lung	Cancer
R85	Malignant neoplasm respiratory, other	Cancer
R90	Hypertrophy tonsils adenoids	
R91	Chronic bronchitis	COPD
R95	Emphysema/chronic obstructive pulmonary disease	COPD
R96	Asthma	
S77	Malignant neoplasm of skin	Cancer
S86	Dermatitis seborrhoeic	Eczema
S87	Dermatitis/atopic eczema	Eczema
S91	Psoriasis	
T06	Anorexia nervosa bulimia	

T71	Malignant neoplasm thyroid	Cancer
T81	Goitre	
T85	Hyperthyroidism thyrotoxicosis	
T86	Hypothyroidism myxoedema	
T90	Diabetes	
T92	Gout	
T93	Lipid disorder	
U75	Malignant neoplasm of kidney	Cancer
U76	Malignant neoplasm of kidney	Cancer
U77	Malignant neoplasm urinary other	Cancer
U88	Glomerulonephritis nephrosis	
W15	Infertility/ subfertility	
W72	Malignant neoplasm relate to pregnancy	Cancer
X74	Pelvic inflammatory disease	
X75	Malignant neoplasm cervix	Cancer
X76	Malignant neoplasm breast female	Cancer
X77	Malignant neoplasm genital other (f)	Cancer
Y78	Fibromyoma uterus	Cancer
Y85	Benign prostatic hypertrophy	

ICPC: the International Classification of Primary Care.

Supplement 2. Overview of ICPC codes that were combined to clusters.

Disease Cluster	ICPC codes
Anaemia	B81 B82
Cancer	A79 B72 B73 D74 D75 D76 D77 L71 N74 R84 R85 S77 T71 U75 U76 U77 W72 X75 X76 X77 Y77 Y78 B74
Congenital diseases	A90 D84 K73 N76 N85
Ulcer	D85 D86
Visual impairment	F83 F84 F92 F93 F94
Hearing impairment	H84 H85 H86
Ischaemic hart disease	K74 K75 K76
Hypertension	K86 K87
Stroke	K89 K90
Spinal cord	L83 L84 L85 L86
Osteoarthritis	L89 L90 L91
Migraine	N89 N90 N92
Anxiety disorders	P74 P79
COPD	R91 R95
Eczema	S87 S86

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