

Appendix A. Top 10 Diagnoses stratified by system in ICPC-2

System	Diagnosis	ICPC-2	n	System%	Total %
A	COVID vaccine	A44R1	2091	29.351	5.102
	Physical check-up	A30	1198	16.816	2.923
	Abnormal result investigation NOS	A91	867	12.170	2.115
	Flu vaccine	A44R2	509	7.145	1.242
	Test result	A60	324	4.548	0.791
	Vaccination	A44	231	3.243	0.564
	CRC Screening	A36	217	3.046	0.529
	Consult COVID vaccine	A45R	202	2.835	0.493
	COVID test	A33R	165	2.316	0.403
	Chest pain NOS	A11	122	1.713	0.298
B	Anaemia other/unspecified	B82	143	50.000	0.349
	Rubella	B02	47	16.434	0.115
	Iron deficiency anaemia	B80	43	15.035	0.105
	Lymphadenitis chronic/non-specific	B71	9	3.147	0.022
	Anaemia vit B12/folate deficiency	B81	9	3.147	0.022
	Lymphadenitis acute	B70	8	2.797	0.020
	Unexplained abnormal white cells	B84	7	2.448	0.017
	Hereditary haemolytic anaemia	B78	4	1.399	0.010
	Blood/lymph/spleen disease other	B99	4	1.399	0.010
	Malignant neoplasm blood other	B74	3	1.049	0.007
D	Gastroenteritis presumed infection	D73	788	23.142	1.923
	Dyspepsia/indigestion	D07	467	13.715	1.139
	Constipation	D12	256	7.518	0.625
	Oesophagus disease	D84	221	6.490	0.539
	Abdominal pain epigastric	D02	217	6.373	0.529
	Stomach function disorder	D87	214	6.285	0.522
	Liver disease NOS	D97	204	5.991	0.498
	Abdominal pain/cramps general	D01	126	3.700	0.307

F	Mouth/tongue/lip disease	D83	115	3.377	0.281
	Viral hepatitis	D72	91	2.673	0.222
	Conjunctivitis infectious	F70	145	20.509	0.354
	Eye sensation abnormal	F13	144	20.368	0.351
	Blepharitis/stye/chalazion	F72	128	18.105	0.312
	Conjunctivitis allergic	F71	67	9.477	0.163
	Eye symptom/complaint other	F29	44	6.223	0.107
	Visual floaters/spots	F04	33	4.668	0.081
	Contusion/haemorrhage eye	F75	28	3.960	0.068
	Visual disturbance other	F05	21	2.970	0.051
	Cataract	F92	19	2.687	0.046
	Eyelid symptom/complaint	F16	14	1.980	0.034
H	Otitis externa	H70	108	26.341	0.264
	Excessive ear wax	H81	77	18.780	0.188
	Vertiginous syndrome	H82	60	14.634	0.146
	Tinnitus, ringing/buzzing ear	H03	38	9.268	0.093
	Acute otitis media/myringitis	H71	30	7.317	0.073
	Hearing complaint	H02	23	5.610	0.056
	Ear symptom/complaint other	H29	19	4.634	0.046
	Ear pain/earache	H01	16	3.902	0.039
	Plugged feeling ear	H13	8	1.951	0.020
K	Eustachian salpingitis	H73	6	1.463	0.015
	Hypertension uncomplicated	K86	4954	71.404	12.088
	Hypertension complicated	K87	466	6.717	1.137
	Ischaemic heart disease without angina	K76	303	4.367	0.739
	Elevated blood pressure	K85	258	3.719	0.630
	Cerebrovascular disease	K91	227	3.272	0.554
	Haemorrhoids	K96	140	2.018	0.342
	Atrial fibrillation/flutter	K78	106	1.528	0.259
	Palpitations/awareness of heart	K04	103	1.485	0.251
	Ischaemic heart disease with angina	K74	56	0.807	0.137

L	Stroke/cerebrovascular accident	K90	45	0.649	0.110
	Osteoarthritis of knee	L90	364	11.245	0.888
	Low back symptom/complaint	L03	324	10.009	0.791
	Bursitis/tendinitis/synovitis NOS	L87	222	6.858	0.542
	Neck symptom/complaint	L01	202	6.240	0.493
	Back symptom/complaint	L02	199	6.148	0.486
	Shoulder symptom/complaint	L08	169	5.221	0.412
	Knee symptom/complaint	L15	169	5.221	0.412
	Osteoporosis	L95	155	4.788	0.378
	Injury musculoskeletal NOS	L81	108	3.336	0.264
	Muscle pain	L18	101	3.120	0.246
N	Vertigo/dizziness	N17	251	34.716	0.612
	Headache	N01	191	26.418	0.466
	Migraine	N89	56	7.746	0.137
	Sensation disturbance other	N06	36	4.979	0.088
	Tension headache	N95	30	4.149	0.073
	Peripheral neuritis/neuropathy	N94	21	2.905	0.051
	Carpal tunnel syndrome	N93	19	2.628	0.046
	Parkinsonism	N87	18	2.490	0.044
	Abnormal involuntary movements	N08	15	2.075	0.037
	Neurological symptom/complaint other	N29	15	2.075	0.037
P	Depressive disorder	P76	390	32.231	0.952
	Feeling anxious/nervous/tense	P01	209	17.273	0.510
	Sleep disturbance	P06	184	15.207	0.449
	Anxiety disorder/anxiety state	P74	172	14.215	0.420
	Dementia	P70	58	4.793	0.142
	Acute stress reaction	P02	45	3.719	0.110
	Tobacco abuse	P17	27	2.231	0.066
	Phobia/compulsive disorder	P79	19	1.570	0.046
	Hyperkinetic disorder	P81	15	1.240	0.037
	Chronic alcohol abuse	P15	14	1.157	0.034

R	Upper respiratory infection acute	R74	2471	61.529	6.029
	Allergic rhinitis	R97	538	13.396	1.313
	Asthma	R96	222	5.528	0.542
	Acute bronchitis/bronchiolitis	R78	142	3.536	0.346
	Cough	R05	125	3.113	0.305
	Throat symptom/complaint	R21	80	1.992	0.195
	Chronic obstructive pulmonary disease	R95	66	1.643	0.161
	Sinusitis acute/chronic	R75	48	1.195	0.117
	Tonsillitis acute	R76	41	1.021	0.100
	Shortness of breath/dyspnoea	R02	33	0.822	0.081
S	Dermatitis contact/allergic	S88	958	30.903	2.337
	Dermatophytosis	S74	265	8.548	0.647
	Dermatitis/atopic eczema	S87	183	5.903	0.447
	Urticaria	S98	157	5.065	0.383
	Herpes zoster	S70	139	4.484	0.339
	Skin infection other	S76	133	4.290	0.325
	Warts	S03	99	3.194	0.242
	Acne	S96	85	2.742	0.207
	Rash localized	S06	83	2.677	0.203
	Skin disease other	S99	78	2.516	0.190
T	Lipid disorder	T93	3989	50.686	9.733
	Diabetes non-insulin dependent	T90	2367	30.076	5.775
	Obesity	T82	375	4.765	0.915
	Gout	T92	353	4.485	0.861
	Hypothyroidism/myxoedema	T86	325	4.130	0.793
	Hyperthyroidism/thyrotoxicosis	T85	160	2.033	0.390
	Vitamin/nutritional deficiency	T91	85	1.080	0.207
	Goitre	T81	54	0.686	0.132
	Endocrine/metabolic/nutritional disease other	T99	48	0.610	0.117
	Overweight	T83	42	0.534	0.102

U	Cystitis/urinary infection other	U71	285	30.000	0.695
	Urinary disease other	U99	218	22.947	0.532
	Urinary symptom/complaint other	U29	156	16.421	0.381
	Abnormal urine test NOS	U98	108	11.368	0.264
	Urinary frequency/urgency	U02	40	4.211	0.098
	Haematuria	U06	22	2.316	0.054
	Urine symptom/complaint other	U07	21	2.211	0.051
	Urinary calculus	U95	19	2.000	0.046
	Kidney symptom/complaint	U14	16	1.684	0.039
	Dysuria/painful urination	U01	15	1.579	0.037
W	Contraception female other	W14	31	29.524	0.076
	Pregnancy	W78	26	24.762	0.063
	Contraception oral	W11	10	9.524	0.024
	Lactation symptom/complaint	W19	6	5.714	0.015
	Question of pregnancy	W01	5	4.762	0.012
	Pregnancy vomiting/nausea	W05	5	4.762	0.012
	Contraception postcoital	W10	3	2.857	0.007
	Infertility/subfertility female	W15	3	2.857	0.007
	Pregnancy symptom/complaint other	W29	3	2.857	0.007
	Puerperal mastitis	W94	3	2.857	0.007
X	Menstrual pain	X02	59	11.943	0.144
	Breast lump/mass female	X19	49	9.919	0.120
	Vaginitis/vulvitis NOS	X84	43	8.704	0.105
	Menstruation excessive	X06	39	7.895	0.095
	Genital candidiasis female	X72	31	6.275	0.076
	Intermenstrual bleeding	X08	28	5.668	0.068
	Menstruation irregular/frequent	X07	26	5.263	0.063
	Vulval symptom/complaint	X16	22	4.453	0.054
	Breast pain female	X18	22	4.453	0.054
	Menstruation absent/scanty	X05	18	3.644	0.044

Y	Benign prostatic hypertrophy	Y85	260	66.838	0.634
	Prostate symptom/complaint	Y06	43	11.054	0.105
	Balanitis	Y75	13	3.342	0.032
	Pain in testis/scrotum	Y02	9	2.314	0.022
	Malignant neoplasm prostate	Y77	8	2.057	0.020
	Scrotum/testis symptom/complaint other	Y05	6	1.542	0.015
	Impotence NOS	Y07	6	1.542	0.015
	Prostatitis/seminal vesiculitis	Y73	6	1.542	0.015
	Urethral discharge male	Y03	5	1.285	0.012
	Penis symptom/complaint other	Y04	5	1.285	0.012
Z	Loss/death of partner problem	Z15	4	22.222	0.010
	Work problem	Z05	3	16.667	0.007
	Relationship problem with partner	Z12	3	16.667	0.007
	Social welfare problem	Z08	2	11.111	0.005
	Assault/harmful event problem	Z25	2	11.111	0.005
	Poverty/financial problem	Z01	1	5.556	0.002
	Unemployment problem	Z06	1	5.556	0.002
	Legal problem	Z09	1	5.556	0.002
	Illness problem parent/family member	Z22	1	5.556	0.002

Appendix B. Top 10 Diagnoses stratified by system in ICPC-2 excluded preventive care

System	Diagnosis	ICPC-2	n	System%	Total %
A	Abnormal result investigation NOS	A91	866	39.92623329	2.409638554
	Test result	A60	323	14.89165514	0.898745096
	Chest pain NOS	A11	122	5.624711849	0.339464092
	Complication of medical treatment	A87	111	5.117565698	0.308856674
	Administrative procedure	A62	84	3.87275242	0.233729375
	Physical checkup	A30	66	3.042876902	0.183644509
	Allergy/allergic reaction NOS	A92	64	2.950668511	0.178079524
	Follow-up encounter unspecified	A63	57	2.627939142	0.158602076
	Medication/prescription/renewal	A50	48	2.213001383	0.133559643
	Adverse effect medical agent	A85	40	1.844167819	0.111299702
B	Anaemia other/unspecified	B82	141	50	0.392331451
	Lymph gland(s) enlarged/painful	B02	47	16.66666667	0.13077715
	Iron deficiency anaemia	B80	42	14.89361702	0.116864687
	Anaemia vit B12/folate deficiency	B81	9	3.191489362	0.025042433
	Lymphadenitis chronic/non-specific	B71	9	3.191489362	0.025042433
	Lymphadenitis acute	B70	8	2.836879433	0.02225994
	Unexplained abnormal white cells	B84	7	2.482269504	0.019477448
	Hereditary haemolytic anaemia	B78	4	1.418439716	0.01112997
	Blood/lymph/spleen disease other	B99	3	1.063829787	0.008347478
	Purpura/coagulation defect	B83	3	1.063829787	0.008347478
D	Gastroenteritis presumed infection	D73	788	23.25169667	2.192604135
	Dyspepsia/indigestion	D07	467	13.77987607	1.299424024
	Constipation	D12	256	7.553850693	0.712318095
	Oesophagus disease	D84	221	6.521097669	0.614930855
	Abdominal pain epigastric	D02	217	6.403068752	0.603800885
	Stomach function disorder	D87	213	6.285039835	0.592670915
	Liver disease NOS	D97	198	5.842431396	0.550933526
	Abdominal pain/cramps general	D01	126	3.717910888	0.350594062

F	Mouth/tongue/lip disease	D83	115	3.393331366	0.319986644
	Viral hepatitis	D72	88	2.596636176	0.244859345
	Conjunctivitis infectious	F70	145	20.50919378	0.403461421
	Eye sensation abnormal	F13	144	20.36775106	0.400678928
	Blepharitis/stye/chalazion	F72	128	18.10466761	0.356159047
	Conjunctivitis allergic	F71	67	9.476661952	0.186427001
	Eye symptom/complaint other	F29	44	6.223479491	0.122429673
	Visual floaters/spots	F04	33	4.667609618	0.091822254
	Contusion/haemorrhage eye	F75	28	3.96039604	0.077909792
	Visual disturbance other	F05	21	2.97029703	0.058432344
	Cataract	F92	19	2.687411598	0.052867359
	Eyelid symptom/complaint	F16	14	1.98019802	0.038954896
H	Otitis externa	H70	108	26.34146341	0.300509196
	Excessive ear wax	H81	77	18.7804878	0.214251927
	Vertiginous syndrome	H82	60	14.63414634	0.166949553
	Tinnitus, ringing/buzzing ear	H03	38	9.268292683	0.105734717
	Acute otitis media/myringitis	H71	30	7.317073171	0.083474777
	Hearing complaint	H02	23	5.609756098	0.063997329
	Ear symptom/complaint other	H29	19	4.634146341	0.052867359
	Ear pain/earache	H01	16	3.902439024	0.044519881
	Plugged feeling ear	H13	8	1.951219512	0.02225994
	Eustachian salpingitis	H73	6	1.463414634	0.016694955
K	Hypertension uncomplicated	K86	4937	71.39551699	13.73716575
	Hypertension complicated	K87	466	6.738973247	1.296641531
	Ischaemic heart disease without angina	K76	301	4.35285611	0.83753026
	Elevated blood pressure	K85	256	3.702096891	0.712318095
	Cerebrovascular disease	K91	227	3.282718727	0.63162581
	Haemorrhoids	K96	140	2.024584237	0.389548958
	Atrial fibrillation/flutter	K78	105	1.518438178	0.292161718
	Palpitations/awareness of heart	K04	102	1.47505423	0.283814241
	Ischaemic heart disease with angina	K74	56	0.809833695	0.155819583

L	Stroke/cerebrovascular accident	K90	45	0.650759219	0.125212165
	Osteoarthritis of knee	L90	364	11.25193199	1.012827291
	Low back symptom/complaint	L03	324	10.01545595	0.901527588
	Bursitis/tendinitis/synovitis NOS	L87	222	6.86244204	0.617713348
	Neck symptom/complaint	L01	201	6.213292117	0.559281004
	Back symptom/complaint	L02	198	6.120556414	0.550933526
	Knee symptom/complaint	L15	169	5.224111283	0.470241242
	Shoulder symptom/complaint	L08	169	5.224111283	0.470241242
	Osteoporosis	L95	155	4.791344668	0.431286346
	Injury musculoskeletal NOS	L81	108	3.338485317	0.300509196
	Muscle pain	L18	101	3.122102009	0.281031748
N	Vertigo/dizziness	N17	251	34.7164592	0.698405632
	Headache	N01	191	26.41770401	0.531456078
	Migraine	N89	56	7.745504841	0.155819583
	Sensation disturbance other	N06	36	4.979253112	0.100169732
	Tension headache	N95	30	4.149377593	0.083474777
	Peripheral neuritis/neuropathy	N94	21	2.904564315	0.058432344
	Carpal tunnel syndrome	N93	19	2.627939142	0.052867359
	Parkinsonism	N87	18	2.489626556	0.050084866
	Abnormal involuntary movements	N08	15	2.074688797	0.041737388
	Neurological symptom/complaint other	N29	15	2.074688797	0.041737388
P	Depressive disorder	P76	390	32.36514523	1.085172097
	Feeling anxious/nervous/tense	P01	209	17.34439834	0.581540944
	Sleep disturbance	P06	184	15.26970954	0.51197863
	Anxiety disorder/anxiety state	P74	171	14.19087137	0.475806227
	Dementia	P70	58	4.813278008	0.161384568
	Acute stress reaction	P02	45	3.734439834	0.125212165
	Tobacco abuse	P17	26	2.157676349	0.072344806
	Phobia/compulsive disorder	P79	19	1.576763485	0.052867359
	Hyperkinetic disorder	P81	14	1.161825726	0.038954896
	Feeling depressed	P03	13	1.078838174	0.036172403

R	Upper respiratory infection acute	R74	2471	61.57488163	6.875539108
	Allergic rhinitis	R97	538	13.40642911	1.496980996
	Asthma	R96	222	5.532020932	0.617713348
	Acute bronchitis/bronchiolitis	R78	142	3.538499875	0.395113943
	Cough	R05	125	3.114876651	0.34781157
	Throat symptom/complaint	R21	80	1.993521057	0.222599405
	Chronic obstructive pulmonary disease	R95	66	1.644654872	0.183644509
	Sinusitis acute/chronic	R75	48	1.196112634	0.133559643
	Tonsillitis acute	R76	41	1.021679541	0.114082195
	Shortness of breath/dyspnoea	R02	33	0.822327436	0.091822254
S	Dermatitis contact/allergic	S88	957	30.88092933	2.662845377
	Dermatophytosis	S74	265	8.551145531	0.737360528
	Dermatitis/atopic eczema	S87	183	5.905130687	0.509196138
	Urticaria	S98	157	5.066150371	0.436851331
	Herpes zoster	S70	139	4.485317844	0.386766465
	Skin infection other	S76	133	4.291707002	0.37007151
	Warts	S03	99	3.194578896	0.275466763
	Acne	S96	85	2.742820265	0.236511867
	Rash localized	S06	83	2.678283317	0.230946882
	Skin disease other	S99	78	2.516940949	0.217034419
T	Lipid disorder	T93	3979	50.71373949	11.07153788
	Diabetes non-insulin dependent	T90	2363	30.1172572	6.575029912
	Obesity	T82	375	4.77950548	1.043434709
	Gout	T92	351	4.47361713	0.976654887
	Hypothyroidism/myxoedema	T86	325	4.142238083	0.904310081
	Hyperthyroidism/thyrotoxicosis	T85	160	2.039255672	0.445198809
	Vitamin/nutritional deficiency	T91	85	1.083354576	0.236511867
	Goitre	T81	54	0.688248789	0.150254598
	Endocrine/metabolic/nutritional disease other	T99	46	0.586286006	0.127994658
	Overweight	T83	41	0.522559266	0.114082195

U	Cystitis/urinary infection other	U71	284	29.95780591	0.790227886
	Urinary disease other	U99	218	22.99578059	0.606583377
	Urinary symptom/complaint other	U29	156	16.4556962	0.434068839
	Abnormal urine test NOS	U98	108	11.39240506	0.300509196
	Urinary frequency/urgency	U02	40	4.219409283	0.111299702
	Haematuria	U06	22	2.320675105	0.061214836
	Urine symptom/complaint other	U07	21	2.215189873	0.058432344
	Urinary calculus	U95	19	2.004219409	0.052867359
	Kidney symptom/complaint	U14	16	1.687763713	0.044519881
	Dysuria/painful urination	U01	15	1.582278481	0.041737388
W	Contraception female other	W14	31	30.69306931	0.086257269
	Pregnancy	W78	24	23.76237624	0.066779821
	Contraception oral	W11	10	9.900990099	0.027824926
	Lactation symptom/complaint	W19	6	5.940594059	0.016694955
	Pregnancy vomiting/nausea	W05	5	4.95049505	0.013912463
	Question of pregnancy	W01	5	4.95049505	0.013912463
	Contraception postcoital	W10	3	2.97029703	0.008347478
	Pregnancy symptom/complaint other	W29	3	2.97029703	0.008347478
	Puerperal mastitis	W94	3	2.97029703	0.008347478
	Abortion spontaneous	W82	2	1.98019802	0.005564985
X	Menstrual pain	X02	59	12.04081633	0.164167061
	Breast lump/mass female	X19	49	10	0.136342135
	Vaginitis/vulvitis NOS	X84	43	8.775510204	0.11964718
	Menstruation excessive	X06	38	7.755102041	0.105734717
	Genital candidiasis female	X72	31	6.326530612	0.086257269
	Intermenstrual bleeding	X08	28	5.714285714	0.077909792
	Menstruation irregular/frequent	X07	26	5.306122449	0.072344806
	Breast pain female	X18	22	4.489795918	0.061214836
	Vulval symptom/complaint	X16	22	4.489795918	0.061214836
	Menstruation absent/scanty	X05	18	3.673469388	0.050084866

Y	Benign prostatic hypertrophy	Y85	260	67.01030928	0.723448065
	Prostate symptom/complaint	Y06	43	11.08247423	0.11964718
	Balanitis	Y75	13	3.350515464	0.036172403
	Pain in testis/scrotum	Y02	9	2.319587629	0.025042433
	Malignant neoplasm prostate	Y77	7	1.804123711	0.019477448
	Scrotum/testis symptom/complaint other	Y05	6	1.546391753	0.016694955
	Impotence NOS	Y07	6	1.546391753	0.016694955
	Prostatitis/seminal vesiculitis	Y73	6	1.546391753	0.016694955
	Penis symptom/complaint other	Y04	5	1.288659794	0.013912463
	Urethral discharge male	Y03	5	1.288659794	0.013912463
Z	Loss/death of partner problem	Z15	4	23.52941176	0.01112997
	Relationship problem with partner	Z12	3	17.64705882	0.008347478
	Work problem	Z05	3	17.64705882	0.008347478
	Assault/harmful event problem	Z25	2	11.76470588	0.005564985
	Social welfare problem	Z08	2	11.76470588	0.005564985
	Poverty/financial problem	Z01	1	5.882352941	0.002782493
	Unemployment problem	Z06	1	5.882352941	0.002782493
	Illness problem parent/family member	Z22	1	5.882352941	0.002782493
