

Appendix 1 Example of a recording form

Appendix 2 GP characteristics questionnaire

Appendix 3 Reasons for encounter and problems managed—code groups from ICPC–2 and ICPC–2 PLUS

Group	ICPC rubric	ICPC–2 PLUS code	ICPC/ICPC–2 PLUS label
Abdominal pain	D01		Pain/cramps;abdominal general
	D06		Pain;abdominal localised;other
Abnormal test results	A91		Abnormal results investigations NOS
	B84		Abnormal white cells
	U98		Abnormal urine test NOS
	X86		Abnormal Pap smear
Anaemia	B80		Iron deficiency anaemia
	B81		Anaemia;vitamin B12/folate deficiency
	B82		Anaemia other/unspecified
Anxiety	P01		Feeling anxious/nervous/tense
	P74		Anxiety disorder/anxiety state
Arthritis		L70009	Arthritis;pyogenic
		L70010	Arthritis;viral
		L81003	Arthritis;traumatic
		L83010	Arthritis;spine cervical
		L84003	Arthritis;spine
		L84023	Arthritis;spine thoracic
		L84024	Arthritis;spine lumbar
		L84025	Arthritis;lumbosacral
		L84026	Arthritis;sacroiliac
		L89004	Arthritis;hip
		L90004	Arthritis;knee
		L91009	Arthritis
		L91010	Arthritis;acute
		L91011	Arthritis;allergic
		L91012	Polyarthritis
	L92006	Arthritis;shoulder	
	S91002	Arthritis;psoriatic	
	T99063	Arthritis;crystal (excl. gout)	

(continued)

Appendix 3 (continued): Reasons for encounter and problems managed—code groups from ICPC-2 and ICPC-2 PLUS

Group	ICPC rubric	ICPC-2 PLUS code	ICPC/ICPC-2 PLUS label
Back complaint	L02		Back symptom/complaint
	L03		Low back symptom/complaint
	L86		Back syndrome with radiating pain
Check-up-all	-30		Medical examination/health evaluation, complete
	-31		Medical examination/health evaluation, partial
	X37		Pap smear
Check-up-ICPC chapter	A30;A31		General
	B30;B31		Blood
	D30;D31		Digestive
	F30;F31		Eye
	H30;H31		Ear
	K30;K31		Cardiovascular
	L30;L31		Musculoskeletal
	N30;N31		Neurological
	P30;P31		Psychological
	R30;R31		Respiratory
	S30;S31		Skin
	T30;T31		Endocrine
	U30;U31		Urology
	W30;W31		Prenatal/post-natal
	X30;X31;X37		female genital
Y30;Y31		male genital	
Z30;Z31		Social	
Depression	P03		Feeling depressed
	P76		Depressive disorder
Diabetes (non gestational)	T89		Diabetes;insulin-dependent
	T90		Diabetes;non-insulin-dependent
Diabetes (all)	T89		Diabetes;insulin-dependent
	T90		Diabetes;non-insulin-dependent
	W85		Gestational diabetes

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Appendix 3 (continued): Reasons for encounter and problems managed—code groups from ICPC-2 and ICPC-2 PLUS

Group	ICPC rubric	ICPC-2 PLUS code	ICPC/ICPC-2 PLUS label
Fracture	L72		Fracture;radius/ulna
	L73		Fracture;tibia/fibia
	L74		Fracture;hand/foot bone
	L75		Fracture;femur
	L76		Fracture;other
		L99017	Fracture;non-union
		L99018	Fracture;pathological
		L99019	Fracture;malunion
		N80012	Fracture;skull (base)
		N80013	Fracture;skull
Hypertension/High BP (RFEs)	K85		Elevated blood pressure without hypertension
	K86		Uncomplicated hypertension
	K87		Hypertension with involvement of target organs
		W81003	Hypertension in pregnancy
	Hypertension (for problems)	K86	
K87			Hypertension with involvement of target organs
		W81003	Hypertension in pregnancy
Immunisation	A44		Preventive immunisation/medication—general/unspecified
	D44		Preventive immunisation/medication;hepatitis
	N44		Preventive immunisation/medication;tetanus
	R44		Preventive immunisation/medication;influenza
Ischaemic heart disease	K74		Ischaemic heart disease without angina
	K76		Ischaemic heart disease with angina
Menstrual problems	X02		Pain;menstrual
	X03		Pain;intermenstrual
	X05		Menstruation;absent/scanty
	X06		Menstruation;excessive
	X07		Menstruation;irregular/frequent
	X08		Intermenstrual bleeding
	X09		Premenstrual symptoms/complaint
	X10		Postponement of menstruation

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Appendix 3 (continued): Reasons for encounter and problems managed—code groups from ICPC-2 and ICPC-2 PLUS

Group	ICPC rubric	ICPC-2 PLUS code	ICPC/ICPC-2 PLUS label	
Osteoarthritis		L83011	Osteoarthritis;spine;cervical	
		L84004	Osteoarthritis;spine	
		L84009	Osteoarthritis;spine;thoracic	
		L84010	Osteoarthritis;spine;lumbar	
		L84011	Osteoarthritis;lumbosacral	
		L84012	Osteoarthritis;sacroiliac	
		L89001	Osteoarthritis;hip	
		L90001	Osteoarthritis;knee	
		L91001	Osteoarthritis;degenerative	
		L91003	Osteoarthritis	
		L92007	Osteoarthritis;shoulder	
Oral contraception	W10		Contraception;postcoital	
	W11		Oral contraceptive	
	W50		Medication, reproductive system	
Pregnancy	W01		Question of pregnancy	
	W78		Pregnancy	
	W79		Unwanted pregnancy	
Prescription	-50		Medication prescription/request/renewal/injection	
Rash	S06		Localised redness/erythema/rash of skin	
	S07		Generalised/multiple redness/erythema/rash skin	
Rheumatoid arthritis	L88		Rheumatoid arthritis	
Swelling (skin)	S04		Localised swelling/papules/ lump/mass/ skin/subcutaneous tissue	
	S05		Generalised swelling/papules/ lumps/mass/ skin/subcutaneous tissue	
Sprain / strain		L19014	Strain;muscle(s)	
		L77	Sprain/strain of ankle	
		L78	Sprain/strain of knee	
		L79	Sprain/strain of joint NOS	
		L83023	Sprain;neck	
		L83024	Strain;neck	
		L84020	Sprain;back	
		L84021	Strain;back	
	Test results	-60		Results test/procedures
		-61		Results examinations/test/record/letter other provider
Tonsillitis	R76		Tonsillitis;acute	
	R90		Hypertroph;tonsils/adenoids	
Urinary tract infection (UTI)	U70		Pyelonephritis/pyelitis;acute	
	U71		Cystitis/other urinary infection;non-venereal	

Appendix 4 Clinical treatment—code groups from ICPC–2 PLUS

Treatment group	ICPC–2 PLUS code	ICPC–2 PLUS label	
Advice—care of other person	A45022	Advice;care of sick 3rd person	
	A45023	Advice;care of well 3rd person	
	A58001	Counselling;terminal care	
Advice/education	A45002	Advice/education	
	B45002	Advice/education;blood	
	D45002	Advice/education;digestive	
	F45002	Advice/education;eye	
	H45002	Advice/education;ear	
	K45002	Advice/education;cardiovascular	
	L45002	Advice/education;musculoskeletal	
	N45002	Advice/education;neurological	
	P45001	Advice/education;psychological	
	R45002	Advice/education;respiratory	
	S45002	Advice/education;skin	
	T45002	Advice/education;endocrine/metabolic	
	U45002	Advice/education;urology	
	W45004	Advice/education;reproductive	
	X45002	Advice/education;genital;female	
	Y45002	Advice/education;genital;male	
	Z45002	Advice/education;social	
	Advice/education—legal/other	A45017	Advice/education;compensation
		Z45009	Advice/education;legal
Advice/education—medication	A45015	Advice/education;medication	
	A48003	Review;medication	
	A48005	Increased;drug dosage	
	A48006	Decreased;drug dosage	
	A48007	Change (in);drug dosage	
	A48008	Stop medication	
	A48009	Recommend medication	
	A48010	Change (in);medication	
Advice/education—mothercare	A45024	Advice;mothercare	

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Appendix 4 (continued): Clinical treatment code groups from ICPC–2 PLUS

Treatment group	ICPC–2 PLUS code	ICPC–2 PLUS label
Advice/education—treatment	A45016	Advice/education;treatment
	A45019	Advice;time off work
	A45020	Advice;rest/fluids
	A45021	Advice;naturopathic treatment
	A48004	Review;treatment
	S45004	Advice/education;RICE
	T45004	Advice/education;diabetes
Consultation with primary care provider	–46	
Consultation with specialist	–47	
Counsel/advice—STDs	A45012	Advice/education;STD
	A58008	Counselling;STDs
	X58004	Counselling;STDs;female
	Y58004	Counselling;STDs;male
Counsel/advice—alcohol	P45005	Advice/education;alcohol
	P58009	Counselling;alcohol
Counsel/advice—drug abuse	P45006	Advice/education;illicit drugs
	P58010	Counselling;drug abuse
Counsel/advice—exercise	A45004	Advice/education;exercise
	A58005	Counselling;exercise
Counsel/advice—health/body	A45005	Advice/education;health
	A45009	Health promotion
	A45010	Information;health
	A45011	Health promotion;injury
	A45018	Advice/education;body
	A58006	Counselling;health
Counsel/advice—life style	P45008	Advice/education;life style
	P58012	Counselling;life style
Counsel/advice—nutrition/weight	A45006	Advice/education;diet
	T45005	Advice/education;nutritional
	T45007	Advice/education;weight mgt
	T58002	Counselling;weight management
Counsel/advice—occupational	Z45004	Advice/education;occupation
	Z45010	Advice/education;work practice
	Z58004	Counselling;occupational

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Appendix 4 (continued): Clinical treatment code groups from ICPC–2 PLUS

Treatment group	ICPC–2 PLUS code	ICPC–2 PLUS label
Counsel/advice—other	A45014	Advice/education;travel
	P45009	Advice/education;sexuality
	P45010	Advice/education;life stage
	P58016	Counselling;life stage
	Z58005	Counselling;environment
Counsel/advice—pregnancy	W45009	Advice/education;pregnancy
	W58004	Counselling;prenatal
	W58006	Counselling;problem;pregnancy
Counsel/advice—prevention	A45025	Advice/education;immunisation
	A58007	Counselling;prevention
	X45004	Advice/educat;breast self exam
	Z45005	Advice/education;environment
Counsel/advice—relationship	Z45006	Advice/education;parenting
	Z45007	Advice/education;mothering
	Z45008	Advice/education;fathering
	Z58001	Counselling;conjugal;partner
	Z58003	Counselling;marriage/rship
	Z58006	Counselling;parenting
	Z58007	Counselling;mothering
	Z58008	Counselling;fathering
	Z58009	Counselling;family
Counsel/advice—relaxation	P45007	Advice/education;relaxation
	P58011	Counselling;relaxation
	P58017	Counselling;stress management
Counsel/advice—smoking	P45004	Advice/education;smoking
	P58008	Counselling;smoking
Counselling—problem	A58002	Counselling;problem
	A58003	Counselling;individual
	B58001	Counselling;problem;blood/blood-forming
	D58001	Counselling;problem;digestive
	F58001	Counselling;problem;eye
	H58001	Counselling;problem;ear
	K58001	Counselling;problem;cardiovascular
	L58001	Counselling;problem;musculoskeletal
	N58001	Counselling;problem;neurological
	R58001	Counselling;problem;respiratory
	S58001	Counselling;problem;skin
T58001	Counselling;problem;endocrine/metabolic	

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Appendix 4 (continued): Clinical treatment code groups from ICPC–2 PLUS

Treatment group	ICPC–2 PLUS code	ICPC–2 PLUS label
	U58001	Counselling;problem;urology
	W58003	Counselling;problem;reproductive
	X58001	Counselling;problem;genital;female
	X58003	Counselling;sexual;physical;female
	Y58001	Counselling;problem;genital;male
	Y58003	Counselling;sexual;physical;male
	Z58002	Counselling;problem;social
Counselling–psychological	P58001	Counselling;psychiatric
	P58002	Psychotherapy
	P58004	Counselling;psychological
	P58005	Counselling;sexual;psychological
	P58006	Counselling;individual;psychological
	P58007	Counselling;bereavement
	P58013	Counselling;anger
	P58014	Counselling;self esteem
	P58015	Counselling;assertiveness
	P58018	Therapy;group
Family planning	W14015	Counselling;genetic;female
	W45006	Advice/education;preconceptual
	W45007	Advice/education;contraception
	W45008	Advice/education;family plan;female
	W58001	Counselling;abortion
	W58005	Counselling;terminat pregnancy
	W58007	Counselling;preconceptual
	W58012	Counselling;sterilisation;female
	W58013	Counselling;family planning;female
	Y14006	Counselling;genetic;male
	Y45006	Advice/education;family plan;male
	Y58005	Counselling;sterilisation;male
	Y58006	Counselling;family planning;male
Observe/wait	A45001	Observe/wait
	B45001	Observe/wait;blood/blood-forming organs
	D45001	Observe/wait;digestive
	F45001	Observe/wait;eye
	H45001	Observe/wait;ear
	K45001	Observe/wait;cardiovascular
	L45001	Observe/wait;musculoskeletal
	N45001	Observe/wait;neurological
	P45002	Observe/wait;psychological
	R45001	Observe/wait;respiratory

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Appendix 4 (continued): Clinical treatment code groups from ICPC-2 PLUS

Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
	S45001	Observe/wait;skin
	T45001	Observe/wait;endocrine/metabolic
	U45001	Observe/wait;urology
	W45003	Observe/wait;reproductive
	X45001	Observe/wait;genital;female
	Y45001	Observe/wait;genital;male
	Z45001	Observe/wait;social
Other admin/document	-62 excluding sickness certificate A62008	
Reassurance support	A58010	Reassurance/support
Sickness certificate	A62008	Admin;certificate;sickness
Clinical measurements		
Electrical tracings	-42	
Diagnostic radiology/imaging	-41	
Physical medicine/rehabilitation	-57	

Note: -(code) signifies that the concept includes all of the specified code across all chapters of ICPC-2.

Appendix 5 Procedural treatment code groups from ICPC–2 PLUS

Treatment group	ICPC–2 PLUS code	ICPC–2 PLUS label
Assist at operation	A69006	Assist at operation
	B69002	Assist at operation;blood
	D69002	Assist at operation;digestive
	F69002	Assist at operation;eye
	H69002	Assist at operation;ear
	L69002	Assist at operation;musculoske
	N69002	Assist at operation;neurological
	P69002	Assist at operation;psycho
	R69002	Assist at operation;respiratory
	S69002	Assist at operation;skin
	T69002	Assist at operation;endo/metab
	U69002	Assist at operation;urological
	W69002	Assist at operation;reproduct
	X69002	Assist at operation;genital;female
	Y69002	Assist at operation;genital;male
Z69003	Assist at operation;social	
Contraceptive device fit/supply/remove	W12003	Contraception;IUD
	W12004	Insertion;IUCD
	W12005	Removal;IUCD
	W14010	Contraception;diaphragm
	W14012	Fitting (of);diaphragm
	W14013	Supply;diaphragm
	W14014	Removal;diaphragm

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Appendix 5 (continued): Procedural treatment code groups from ICPC-2 PLUS

Treatment group	ICPC-2 PLUS code	ICPC-2 PLUS label
Diagnostic endoscopy	-40	
Dressing/pressure/compression/ tamponade	-56	
Excision/removal tissue/biopsy/ destruction/debridement/ cauterisation	-52	
Incise/drainage/flushing/aspiration/removal body fluid	-51	
Instrumentation/catheterisation/ intubation/dilution	-53	
Local injection/infiltration	-55	
Other diagnostic procedures	-43	
Other preventive procedures/high risk medication/condition	-49	
Other therapeutic procedures/minor surgery NEC	-59	
Pap smear	X37001	Pap smear
Physical function test	-39	
Pregnancy test	W33001	Test;urine;pregnancy
	W33002	Test;pregnancy
Repair/fixation-suture/cast/prosthetic device (apply/remove)	-54	
Sensitivity test	-32	
Test;glucose	T34005	Test;glucose
Urine test	-35	

Note: -(code) signifies that the concept includes all of the specified code across all chapters of ICPC-2.

Appendix 6 Referrals—code groups from ICPC–2 and ICPC–2 PLUS

Referral group	ICPC–2 PLUS code	ICPC–2 PLUS label
Allied health services	–66	Referral to other provider/nurse/therapist/social worker
	–68 excluding A68009	Other referrals NEC
	Z67002	Referral;respite care
Specialist	–67 excluding A67011; A67010; P67005 and Z67002	Referral to physician/specialist/clinic/hospital
	A68009	Referral;oncologist
Emergency department	A67011	Referral;A&E
Hospital	A67010	Referral;hospital
	P67005	Referral;hospital;psychiatrist

Note: –(code) signifies that the concept includes all of the specified code across all chapters of ICPC–2.

Appendix 7 Pathology test orders—code groups from ICPC–2 and ICPC–2 PLUS

Main pathology group	Pathology subgroup	ICPC–2 PLUS code	ICPC–2 PLUS label
Chemistry	Amylase	D34004	Test;amylase
	B12	B34015	Test;B12
		D34009	Test;Schillings
	C reactive protein	A34005	Test;C reactive protein
	Calcium/phosphate	A34006	Test;calcium
		A34013	Test;phosphate
	Cardiac enzymes	D34005	Test;aspartate aminotransferase
		K34003	Test;cardiac enzymes
		K34004	Test;creatinine kinase
	Chemistry,other	A33023	Test;alpha fetoprotein
		A33026	Test;cancer antigen 125
		A33027	Test;cancer antigen 15.3
		A33028	Test;cancer antigen 19.9
		A33029	Test;carcinoembryonic antigen
		A34015	Test;protein
		A34018	Vitamin assay
		A34019	Test;lead
		A34020	Test;blood gas analysis
		A35004	Test;urine sodium
		B34023	Test;transferrin
		D34002	Test;alanine aminotransferase
		K34001	Test;blood;digitalis
		N34001	Test;blood;phenylhydantoin
		P34003	Test;methadone
		T34021	Test;C peptide
		Digoxin	A34002
	K34005		Test;digoxin
	N34003		Test;phenytoin
	Drug screen	P34002	Test;lithium
		A35003	Drug screen
	EUC	A34007	Test;chloride
		A34008	Test;electrolytes
		A34010	Test;EUC
A34014		Test;potassium	
A34017		Test;sodium	

(continued)

Appendix 7 (continued): Pathology test orders—code groups from ICPC–2 and ICPC–2 PLUS

Main pathologygroup	Pathologysubgroup	ICPC–2 PLUS code	ICPC–2 PLUS label
		U34002	Test;creatinine
		U34003	Test;urea
	Ferritin	B34016	Test;ferritin
		B34019	Tests;iron studies
	Folic acid	B34017	Test;folic acid
		B34024	Test;folate (red cell)
	Glucose tolerance	T34005	Test;glucose
		T34009	Test;glucose tolerance
		T34023	Test;glucose (fasting/random)
	HbA1c	T34010	Test;HbA1c
		T34017	Test;fructusamine
		T34022	Test;HBA1
	Hormone assay	A34003	Hormone assay
		D33015	Test;Anti gliadin antibody
		T34007	Test;cortisol
		T34018	Test;androgens
		T34019	Test;insulin
		W34005	Test;HCG
		W34006	Test;BHCG level (titre/quant)
		X34002	Test;LH
		X34003	Test;progesterone
		X34004	Test;oestradiol
		X34005	Test;FSH
	Lipids	T34001	Check-up;cholesterol
		T34004	Test;lipids profile
		T34006	Test;cholesterol
		T34011	Test;cholesterol HDL
		T34013	Test;cholesterol LDL
		T34016	Test;triglycerides
		T34020	Test;chol/trig
		T34024	Test;free fatty acids
	Liver function	A34004	Test;albumin
		D34003	Test;alkaline phosphatase
		D34006	Test;bilirubin
		D34007	Test;gGT
		D34008	Test;liver function
		T34012	Test;LDH

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Appendix 7 (continued): Pathology test orders—code groups from ICPC–2 and ICPC–2 PLUS

Main pathology group	Pathology subgroup	ICPC–2 PLUS code	ICPC–2 PLUS label
Cytopathology	Multibiochemical analysis	A34012	Test;mult biochemical analysis
		A34021	Test;E & LFT
	Prostate specific antigen	Y34002	Test;acid phosphatase
		Y34003	Test;prostate specific antigen
	Thyroid function	T34015	Test;thyroid function
	Urate/uric acid	U34004	Test;urate/uric acid
	Cytology;other	A37002	Test;cytology
		B37003	Test;cytology;blood
		D37002	Test;cytology;digestive
		F37002	Test;cytology;eye
		H37002	Test;cytology;ear
		K37002	Test;cytology;cardiovascular
		L37002	Test;cytology;musculoskeletal
		N37002	Test;cytology;neurological
		R37002	Test;cytology;respiratory
		R37003	Test;sputum cytology
		S37002	Test;cytology;skin
		T37002	Test;cytology;endocr/metabol
		U37002	Test;cytology;urology
		W37002	Test;cytology;reproduction
Y37002		Test;cytology;genital;male	
Pap smear		X37001	Pap smear
		X37003	Test;cytology;genital;female
		Blood grouping & typing	B33001
	B33002		Test;blood grouping & typing
	B33009		Test;blood group
	Blood;other	B33003	RH;antibody titer
		B34005	Test;blood;platelets
		B34007	Test;blood;sickle cell
		B34021	Test;reticulocyte count
		B37001	Exam;bone marrow
Coagulation	B34002	Test;blood;coagulation/bleed	
	B34003	Test;blood;coagulation time	
	B34006	Test;part thromboplastin time	
	B34008	Test;bleeding/coagulation time	
	B34009	Test;prothrombin time	

(continued)

Appendix 7 (continued): Pathology test orders—code groups from ICPC–2 and ICPC–2 PLUS

Main pathology group	Pathology subgroup	ICPC–2 PLUS code	ICPC–2 PLUS label		
		B34014	Test;APTT		
		B34022	Test;thrombin time		
		B34025	Test;INR		
		B34026	Test;fibrinogen		
		B34028	Test;bleeding time		
		B34029	Test;coagulation screen		
	ESR	A34009	Test;ESR		
	Full blood count	A34011	Test;full blood count		
	Haemoglobin	B34018	Test;haemoglobin		
Histopathology	Histology;other	A37001	Test;histology		
		B37002	Test;histology;blood		
		D37001	Test;histology;digestive		
		F37001	Test;histology;eye		
		H37001	Test;histology;ear		
		K37001	Test;histology;cardiovascular		
		L37001	Test;histology;musculoskeletal		
		N37001	Test;histology;neurological		
		R37001	Test;histology;respiratory		
		T37001	Test;histology;endoc/metabol		
		U37001	Test;histology;urology		
		W37001	Test;histology;reproductive		
		X37002	Test;histology;genital;female		
		Y37001	Test;histology;genital;male		
		S37001	Test;histology;skin		
		Immunology	Anti nuclear antibodies	L33004	Test;anti nuclear antibodies
			Immunology;other	A32001	Test;sensitivity
				A33005	Test;immunology
				A33011	Test;HLA
A33024	Test;bone marrow surface mark				
A33025	Test;serum electrophoresis				
B33005	Test;immunology;blood				
B33007	Test;immunoglobulins				
B33011	Test;IgE				
B34027	Test;FBC for surface markers				
D32001	Test;sensitivity;digestive				
D33004	Test;immunology;digestive				
D33014	Test;endomysial antibody				

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Appendix 7 (continued): Pathology test orders—code groups from ICPC–2 and ICPC–2 PLUS

Main pathology group	Pathology subgroup	ICPC–2 PLUS code	ICPC–2 PLUS label
		H33002	Test;immunology;ear
		K33002	Test;immunology;cardiovascular
		L33003	Test;immunology;musculoskeletal
		L34001	Test;lupus erythematis;cell prep
		N33002	Test;immunology;neurological
		R32004	Test;sensitivity;respiratory
		R33004	Test;immunology;respiratory
		S32001	Test;sensitivity;skin
		S33002	Test;immunology;skin
		S33004	Test;skin patch
		T33002	Test;immunology;endocrine/metabolic
		U33003	Test;immunology;urology
		W33007	Test;immunology;reproductive
		X33002	Test;immunology;genital;female
		Y33002	Test;immunology;genital;male
	RAST	A34016	Test;RAST
	Rheumatoid factor	L33001	Test;rheumatoid factor
Infertility/pregnancy test	Infertility/pregnancy	W33001	Test;urine;pregnancy
		W33002	Test;pregnancy
		W34002	Test;blood;pregnancy
		W34003	Test;antenatal
		Y38002	Test;sperm count
		Y38003	Test;semen examination
Microbiology	Antibody	A33003	Test;antibody
	Cervical swab	X33004	Test;cervical swab
	Chlamydia	A33006	Test;chlamydia
		A33034	Test;chlamydia direct immunofl
		X33006	Test;viral culture;genital;female
	Ear swab and C&S	H33003	Test;ear swab and C&S
	Faeces MC&S	D33002	Stool(s);culture
		D33008	Test;faeces MC&S
		D36001	Test;faeces;cyst/ova/parasite
	Fungal ID/sensitivity	A33008	Test;fungal ID/sensitivity
		A33030	Test;skin scraping fungal MCS
	H pylori	D33009	Test;H Pylori
		D33005	Test;hepatitis A serology

(continued)

Appendix 7 (continued): Pathology test orders—code groups from ICPC–2 and ICPC–2 PLUS

Main pathology group	Pathology subgroup	ICPC–2 PLUS code	ICPC–2 PLUS label
		D33006	Test;hepatitis B serology
		D33007	Test;hepatitis C serology
		D33013	Test;hepatitis serology
	HIV	A33021	Test;cytomegalovirus serology
		B33006	Test;HIV
		B33008	Test;AIDS screen
	Microbiology,other	A33004	Test;microbiology
		A33007	Test;culture and sensitivity
		A33012	Yrd;mycoplasma serology
		A33013	Test;parvovirus serology
		A33015	Test;Barmah forest virus
		A33016	Teste;Antistreptolysin O Titre
		A33017	Test;herpes simplex culture
		A33019	Test;herpes simplex serology
		A33020	Test;toxoplasmosis serology
		A33033	Test;swab MCS
		B33004	Test;microbiology;blood
		B33010	Test;serum immunoglobulins
		D33003	Test;microbiology;digestive
		D33010	Test;hepatitis D serology
		D33011	Test;hepatitis E serology
		D33012	Test;rotavirus
		D33016	Test;hepatitis C antibody
		D33017	Test;hepatitis B surf antigen
		F33001	Test;microbiology;eye
		H33001	Test;microbiology;ear
		K33001	Test;microbiology;cardiovascular
		L33002	Test;microbiology;musculoskeletal
		N33001	Test;microbiology;neurological
		R33001	Culture;tuberculosis
		R33002	Culture;throat
		R33003	Test;microbiology;respiratory
		S33001	Test;microbiology;skin
		S33005	Test;varicella zoster serology
		S33006	Test;varicella zoster culture
		T33001	Test;microbiology;endoc/metabolic
		U33002	Test;microbiology;urology
		W33006	Test;microbiology;reproductive

(continued)

Appendix 7 (continued): Pathology test orders—code groups from ICPC–2 and ICPC–2 PLUS

Main pathology group	Pathology subgroup	ICPC–2 PLUS code	ICPC–2 PLUS label
		X33001	Test;microbiology,genital;female
		X33003	Culture;gonococcal;female
		Y33001	Test;microbiology,genital;male
		Y33003	Culture;gonococcal;male
		Y33004	Test;viral culture;genital;male
		Y33005	Test;urethral/penile swab
	Monospot	A33002	Test;monospot
		A33014	Test;Paul Bunnell
		A33031	Test;Epstein Barr virus serol
		A33032	Test;Epstein Barr virus
	Nose swab C&S	R33008	Test;nose swab C&S
	Pertussis	R33007	Test;pertussis
	Ross River fever	A33009	Test;Ross River fever
	Rubella	A33001	Test;rubella
	Skin swab C&S	S33003	Test;skin swab C&S
	Sputum C&S	R33005	Test;sputum MC&S
	Throat swab C&S	R33006	Test;throat swab C&S
	Urine MC&S	U33001	Test;culture;urine
		U33004	Test;urine MC&S
	Vaginal swab and C&S	X33005	Test;vaginal swab and C&S
	Venereal disease	A33010	Test;venereal disease
		A33022	Test;syphilis serology
Other NEC	Blood test	A34001	Test;blood
		B38001	Test;other lab;blood
		D34001	Test;blood;digestive
		F34001	Test;blood;eye
		H34001	Test;blood;ear
		K34002	Test;blood;cardiovascular
		L34003	Test;blood;musculoskeletal
		N34002	Test;blood;neurological
		P34001	Test;blood;psychological
		R34001	Test;blood;respiratory
		S34001	Test;blood;skin
		T34002	Test;blood;endocr/metabolic
		U34001	Test;blood;urology
		W34001	Test;blood;reproductive
		X34001	Test;blood;genital;female
		Y34001	Test;blood;genital;male

(continued)

Appendix 7 (continued): Pathology test orders—code groups from ICPC–2 and ICPC–2 PLUS

Main pathology group	Pathology subgroup	ICPC–2 PLUS code	ICPC–2 PLUS label
	Faeces test	A36001	Test;faeces
		D36002	Test;faeces;digestive
	Other test NEC	A38001	Test;other lab
		A38002	Pathology
		D38001	Test;other lab;digestive
		F38001	Test;other lab;eye
		H38001	Test;other lab;ear
		K38001	Test;other lab;cardiovascular
		L38001	Test;other lab;musculoskeletal
		N38001	Test;other lab;neurological
		P38001	Test;other lab;psychological
		R38001	Test;other lab;respiratory
		S38001	Test;other lab;skin
		T38001	Test;other lab;endocr/metabol
		U38001	Test;other lab;urology
		W38001	Test;other lab;reproductive
		X38001	Test;other lab;genital;female
		Y38001	Test;other lab;genital;male
		Z38001	Test;other lab;social
	Urinalysis	A35002	Urinalysis
	Urine test	A35001	Test;urine
		D35001	Test;urine;digestive
		P35001	Test;urine;psychological
		T35001	Test;urine;endocrine/metabolic
		U35002	Test;urine;urology
		W35001	Test;urine;reproductive
		X35001	Test;urine;genital;female
		Y35001	Test;urine;genital;male
	Simple test;other	B35001	Test;urine;blood
		D36003	Test;occult blood
		R32001	Test;Mantoux
		R32002	Test;tuberculin

Appendix 8 Imaging test orders—code groups from ICPC–2 and ICPC–2 PLUS

Imaging group	ICPC–2 PLUS code	ICPC–2 PLUS label
Plain	A41002	X-ray;chest
	A41006	X-ray;abdomen
	D41006	X-ray;oesophageal
	D41008	X-ray;digestive tract
	D41009	X-ray,mouth
	F41002	X-ray;eye
	H41002	X-ray;ear
	L41003	X-ray;bone(s)
	L41004	Plain X-ray;bone(s)
	L41013	X-ray;elbow
	L41014	X-ray;hand
	L41015	X-ray;wrist
	L41016	X-ray;knee
	L41017	X-ray;hip
	L41018	X-ray;neck
	L41019	X-ray;pelvis
	L41020	X-ray;shoulder
	L41021	X-ray;lumbosacral
	L41022	X-ray;cervical
	L41023	X-ray;thoracic
	L41024	X-ray;spinal
	L41025	X-ray;joint(s)
	L41026	X-ray;foot/feet
	L41027	X-ray;ankle
	L41028	X-ray;leg
	L41029	X-ray;ribs
	L41030	X-ray;face
	L41032	X-ray;arm
	N41004	X-ray;skull
	R41002	X-ray;sinus
	U41007	X-ray;urinary tract
	W41003	X-ray;uterus
	X41001	Mammography;female
	X41002	Mammography,request;female
X41007	X-ray;breast;female	

(continued)

Appendix 8 (continued): Imaging test orders—code groups from ICPC–2 and ICPC–2 PLUS

Imaging group	ICPC–2 PLUS code	ICPC–2 PLUS label
Contrast/ultrasound/CT scan	A41003	Test;US/CT/contrast
	A41004	Test;US/CT/contrast;abdomen
	A41005	Test;US/CT/contrast;chest
	A41008	MRI
	D41002	Test;US/CT/contrast;gallbladder
	D41004	Test;US/CT/contrast;oesophageal
	D41010	Test;US/CT/contrast;stomach/duodenum
	D41011	Test;US/CT/contrast;colon
	K41005	Angiography;coronary
	K41007	Angiography;cerebral
	K41008	Test;US/CT/contrast;vascular
	K41009	Test;US/CT/contrast;cardiac
	K41010	Test;US/CT/contrast;heart
	L41001	Arthrogram
	L41006	Test;US/CT/contrast;pelvis
	L41007	Test;US/CT/contrast;musculosk
	L41008	Test;US/CT/contrast;neck
	L41009	Test;US/CT/contrast;spine
	L41010	Test;US/CT/contrast;joint
	L41011	Test;US/CT/contrast;face
	L41012	Test;US/CT/contrast;extremity
	L41031	Test;US/CT/contrast;shoulder
	N41002	Test;US/CT/contrast;brain
	N41003	Test;US/CT/contrast;head
	T41002	Test;US/CT/contrast;endo/metab
	U41006	Test;US/CT/contrast;urin tract
	W41001	Test;US/CT/contrast;obstetric
	X41006	Test;US/CT/contrast;breast;female
	X41008	Test;US/CT/contrast;genital;female
	Y41002	Test;US/CT/contrast;prostate
	Y41003	Test;US/CT/contrast;scrotum
	Y41004	Test;US/CT/contrast;genital;male

(continued)

Appendix 8 (continued): Imaging test orders—code groups from ICPC–2 and ICPC–2 PLUS

Imaging group	ICPC–2 PLUS code	ICPC–2 PLUS label
Other	A41007	Imaging other
	A41009	Nuclear medicine
	A41010	Radiology
	A41011	Isotope scan
	K41001	Echocardiography
	K41003	Cardiogram
	K42002	Electrocardiogram
	K42005	Holter monitor
	K43003	Test;Doppler
	L40006	Arthroscopy;knee
	L41002	Scan;bone(s)
	L43003	Test;bone marrow density
	N41001	Radiology;diagnostic;neurolog
	U41001	Pyelogram;intravenous

Glossary

Aboriginal	The patient identifies himself or herself as an Aboriginal person.
Activity level	Number of general practice Medicare items claimed during the previous three or twelve months by a participating general practitioner.
Allied health professionals	Those who provide clinical and other specialised services in the management of patients, including physiotherapists, occupational therapists, dietitians and pharmacists.
Chapters	The main divisions within ICPC-2 PLUS: there are 17 chapters primarily representing the body systems.
Complaint	A symptom or disorder expressed by the patient when seeking care.
Component	In ICPC-PLUS there are seven components which act as a second axis across all chapters.
Consultation	See <i>Encounter</i>
Diagnosis/problem	A statement of the provider's understanding of a health problem presented by a patient, family or community. GPs are instructed to record at the most specific level possible from the information available at the time. It may be limited to the level of symptoms.
• new problem	The first presentation of a problem, including the first presentation of a recurrence of a previously resolved problem but excluding the presentation of a problem first assessed by another provider.
• old problem	A previously assessed problem which requires ongoing care. Includes follow-up for a problem or an initial presentation of a problem previously assessed by another provider.
Drug	See <i>Medication</i>
Encounter (enc)	Any professional interchange between a patient and a general practitioner.
• indirect	Encounter where there is no face-to-face meeting between the patient and the general practitioner but a service is provided (e.g. prescription, referral).
• direct	Encounter where there is a face-to-face meeting of the patient and the general practitioner. Direct encounters can be further divided into encounters covered by:

(continued)

<ul style="list-style-type: none"> - Medicare <li style="padding-left: 20px;">- surgery consultations <li style="padding-left: 20px;">- home visits <li style="padding-left: 20px;">- hospital encounter <li style="padding-left: 20px;">- nursing home visits <li style="padding-left: 20px;">- other institutional visits <li style="padding-left: 20px;">- other MBS encounters - Workers compensation - Other paid 	<p>encounters identified by any one of MBS item numbers 3; 23; 36; 44</p> <p>encounters identified by any one of MBS item numbers 4; 24; 37; 47</p> <p>encounters identified by any one of MBS item numbers 19; 33; 40; 50</p> <p>encounters identified by any one of MBS item numbers 20; 35; 43; 51</p> <p>encounters identified by any one of MBS item numbers 13; 25; 38; 40</p> <p>encounters identified by an MBS item number which does not identify place of encounter</p> <p>encounters paid by workers' compensation insurance</p> <p>encounters paid from another source (e.g. State).</p>
General practitioner (GP)	A medical practitioner who provides primary comprehensive and continuing care to patients and their families within the community' (Royal Australian College of General Practitioners).
Groupier	Multiple ICPC-2 or ICPC-2 PLUS codes which are grouped together for purposes of analysis.
Medication	Medication which is prescribed, advised for over-the-counter purchase or provided by the GP at the encounter.
Medication status	
• new	The medication prescribed/advised/provided at the encounter is being used for the management of the problem for the first time.
• continuation	The medication prescribed/advised/provided at the encounter is a continuation or repeat of previous therapy for this problem.
MIMS	A widely distributed bi-monthly index of medications in medicine.
Morbidity	Any departure, subjective or objective, from a state of physiological wellbeing. In this sense, sickness, illness and morbid conditions are synonymous.
Patient status	
• new	The patient has not been seen before in the practice.
• old	The patient has attended the practice before.
Problem managed	See <i>Diagnosis/problem</i>

(continued)

Provider	A person to whom a patient has access when contacting the health care system.
Reasons for encounter (RFEs)	The subjective reasons given by the patient for seeing or contacting the general practitioner. These can be expressed in terms of symptoms, diagnoses or the need for a service.
Recognised GP	<p>A medical practitioner who is:</p> <p>vocationally recognised under Section 3F of the Health Insurance Act, or</p> <p>a holder of the Fellowship of the Royal Australian College of General Practitioners who participates in, and meets the requirements for, quality assurance and continuing medical education as defined in the RACGP Quality Assurance and Continuing Medical Education Program, or</p> <p>undertaking an approved placement in general practice as part of a Training Program for general practice leading to the award of the Fellowship of the Royal Australian College of General Practitioners or</p> <p>undertaking an approved placement in general practice as part of some other Training Program recognised by the RACGP as being of equivalent standard.</p> <p>(Medicare Benefits Schedule book, 1 November 1998)</p>
Referral	<p>The process by which the responsibility for part or all of the care of a patient is temporarily transferred to another health care provider. Only new referrals to specialist, allied health professionals, and for hospital and nursing home admissions arising at a recorded encounter are included. Continuation referrals are not included. Multiple referrals can be recorded at any one encounter.</p>
Rubric	An individual term attached to a code in ICPC-2
Torres Strait Islander	The patient identifies himself or herself as a Torres Strait Islander.
Veterans' Affairs Gold	A person who holds a Gold Card from the Department of Veterans' Affairs.
Veterans' Affairs White	A person who holds a White Card from the Department of Veterans' Affairs.
Work-related problem	Irrespective of the source of payment for the consultation, it is likely in the GP's view that the problem has resulted from work-related activity or workplace exposures or that a pre-existing condition has been significantly exacerbated by work activity or workplace exposure.

Abbreviations

AIHW	Australian Institute of Health and Welfare
ATC	Anatomical Therapeutic Chemical (classification)
AUDIT	Alcohol Use Disorders Identification Test
BEACH	Bettering the Evaluation and Care of Health
BMI	Body mass index
BMMS	Better Medication Management System
BP	Blood pressure
CAPS	Coding Atlas for Pharmaceutical Substances
CI	Confidence interval (in this report 95% CIs are used)
CNS	Central nervous system
COPD	Chronic obstructive pulmonary disease
COURT	Computed tomography
CVS	Cardiovascular system
DHAC	Commonwealth Department of Health and Aged Care
ECG	Electrocardiogram
EHRs	Electronic health records
Enc	Encounter
ENT	Ear, nose and throat
ESR	Erythrocyte sedimentation rate
EUC	Electrolytes, urea, creatinine
FBC	Full blood count
FMRC	Family Medicine Research Centre, Department of General Practice, The University of Sydney
GP	General practitioner
GPSCU	General Practice Statistics and Classification Unit, University of Sydney, a collaborating unit of the Australian Institute of Health and Welfare
HbA1c	Glycohaemoglobin whole blood test
HIC	Health Insurance Commission
HRT	Hormone replacement therapy
ICPC	International Classification of Primary Care
ICPC-2	International Classification of Primary Care (Version 2)
ICPC-2 PLUS	An extended vocabulary of terms classified according to ICPC-2
IHD	Ischaemic heart disease
LCI	Lower confidence interval
MBS	Medicare Benefits Schedule

MC&S	Microscopy culture and sensitivity
NEC	Not elsewhere classified
NOS	Not otherwise specified
NESB	The patient reports coming from a non-English-speaking background, i.e. a language other than English is spoken at home.
NHMRC	National Health and Medical Research Council
NOS	Not otherwise specified
NSAID	Non-steroidal anti-inflammatory medications
OA	Osteoarthritis
OTCs	Medications advised for over-the-counter purchase
PBS	Pharmaceutical Benefits Scheme
PDD	Prescribed daily dose
QA	Quality assurance (in this case the Quality Assurance Program of the Royal Australian College of General Practitioners)
RACGP	Royal Australian College of General Practitioners
RFE(s)	Reason for encounter(s) (see Glossary)
RRMA	Rural, remote and metropolitan area classification
SAND	Supplementary analysis of nominated data
SRS	Simple random sample
UCI	Upper confidence interval
URTI	Upper respiratory tract infection
UTI	Urinary tract infection
WHO	World Health Organization
WONCA	World Organization of Family Doctors

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