

PCS Clinical Audit Tool – User Guide

Version 3.3.1

APPENDICES C

BEST PRACTICE DATA MAPPINGS

Company Contacts

Sydney (Head Office)

Pen Computer Systems
Level 6, The Barrington
10-14 Smith St
PARRAMATTA NSW 2150

Phone: +61 2 9635 8955
Fax: +61 2 9635 8966
Email: enquiries@pencs.com.au
Web: www.pencs.com.au

Melbourne Office

Pen Computer Systems
Level 5
434 St Kilda Rd
MELBOURNE VIC 3004

Phone: +61 3 9866 8477
Fax: +61 3 9866 5699

Document Contact

Contact: **Christine Chidgey**

Phone: +61 3 9866 8477

Email: christine.chidgey@pencs.com.au

Document Control

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2.5	20/05/2009	Christine Chidgey	The CAT User Guide Appendices B, C and D have been split out into separate documents. These Appendices cover the Clinical Desktop System data mappings. Add Waist and BSLF
2.5.2	20/07/2009	Christine Chidgey	Add Assigned Provider Mapping
2.6	15/09/2009	Christine Chidgey	Add Alcohol Update to assigned provider
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2.9.3	17/08/2010	Christine Chidgey	CHD - add Coronary Artery spasm, Variant angina, Prinzmetal angina and Percutaneous Transluminal angioplasty Mental Health – add Bipolar, ADHD, Autism, Dementia
2.10	06/09/2010	Christine Chidgey	Measurements: Physical Activity INR Medications Add Asthma Medications Review all Medication lists Update Vaccines list
2.10.1	06/10/2010	Christine Chidgey	Rename Gardasil Immunisation to HPV Add Pap Smear codes collected Updates to results for Microalbumin and ACR Add Conditions - STIs Add Pathology Results information
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	31/03/2011	Christine Chidgey	Fix error in Appendix 1
2.12	18/7/2011	Christine Chidgey	Add additional terms to Hyperlipidaemia Add Gestational Diabetes Add medication Dabigatran BSLF - Check Pathology results as well as manual entry ACR – Add LOINC to pathology
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3.3.1	27/02/2012	Christine Chidgey	Add Childhood Immunisations mappings

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INTRODUCTION

Clinical Audit Tool (CAT)

The Clinical Audit Tool (CAT) analyses clinical information from GP Clinical Desktop Systems. It translates data into real statistical and graphical information that is easy to understand and action. This allows practitioners to assess and improve the quality and completeness of patient information. The benefit to the practice is to assist with its ongoing accreditation and provide opportunities to grow practice income. The emphasis of the tool is to help practice staff to take specific action to improve patient coverage in chronic disease management and prevention.

User Guide

The purpose of the User Guide is to provide instructions on how to install and use the functionality provided by the CAT.

The User Guide is split into 2 parts:

Part 1: Installation and Configuration including how to collect data sets

Part 2: Functionality

The Appendices for each Clinical Desktop System's Data Mappings are provided separately.

This full User Guide is available from

<http://help.pencs.com.au/cat.htm>

The Appendices contained in this document are for the Best Practice clinical system.

Pathology Results

Pathology Results must be received in atomised HL7 format in order for the results to be picked up by the CAT extractor. 'Atomised' format means that the HL7 results contain the data in predefined coded segments. The test name and LOINC (Logical Observation Identifiers Names & Codes) code are the important bits of data the extraction tool looks for.

Best Practice maintains a list of test names and LOINC codes that automatically populate results into the patient's file. Some additional codes are searched for by the extractor. This list is provided in Appendix C-6.

APPENDIX C – BEST PRACTICE DATA CATEGORY MAPPINGS

APPENDIX C-1 – CONDITIONS DATA CATEGORY MAPPINGS (BP)

The data collection process collects conditions that are found on the Best Practice 'Past History' screen in both the active and inactive parts of the screen. Chronic conditions are flagged as true for a patient if the condition is marked as **either active or inactive**.

From the list below only Asthma and Depression are regarded as being recoverable. These conditions are flagged as true if they are marked as **active only**.

CAT Category	Best Practice Mapping
Diabetes	
Type II	
	Diabetes Mellitus, NIDDM Diabetes Mellitus, Type 2 NIDDM Non insulin dependent Diabetes Mellitus Type 2 Diabetes Mellitus
Type I	
	Diabetes mellitus, IDDM Diabetes mellitus, Type 1 IDDM Insulin dependent Diabetes mellitus Juvenile onset Diabetes mellitus Type 1 Diabetes mellitus
Undefined diabetic	
	Diabetes Diabetes - controlled Diabetes - Unstable Diabetes Mellitus Diabetic endarteritis
Gestational Diabetes	
	Diabetes Mellitus, Gestational Gestational Diabetes Mellitus Gestational diabetes

Respiratory	
Asthma	
[Active only conditions are collected]	Acute severe asthma Allergic asthma Allergy induced asthma Asthma Asthma review Asthma, allergy induced Asthma, exercise induced Asthma, infective exacerbation Bronchial asthma Exercise induced asthma Exertional asthma Infective exacerbation of asthma Status asthmaticus Wheezy bronchitis
COPD	
	Bronchitis, chronic Chronic bronchitis Chronic Obstructive Airways Disease Chronic Obstructive Pulmonary Disease COAD COAD - Infective exacerbation COPD Emphysema

Cardiovascular	
CHD	
	Acute coronary insufficiency Acute myocardial infarction AMI Angina Angina pectoris Angiogram, coronary Angioplasty Angioplasty, coronary Anterior myocardial infarct Anterolateral myocardial infarct Balloon coronary angioplasty CABG Coronary angiogram Coronary angiography Coronary Angiography - No significant obstr Coronary angioplasty Coronary angioplasty with stent Coronary artery bypass graft Coronary artery disease Coronary artery endarterectomy Coronary Artery spasm Coronary artery stent Coronary endarterectomy Coronary heart disease Coronary insufficiency Coronary occlusion Heart attack IHD Inferior myocardial infarction Ischaemic heart disease MI Myocardial infarction Myocardial infarction, anterior Myocardial infarction, anterolateral Myocardial infarction, inferior Myocardial infarction, posterior Myocardial infarction, subendocardial Myocardial infarction, superior Occlusion, Coronary artery Percutaneous Transluminal angioplasty Posterior myocardial infarct Preinfarction syndrome Prinzmetal angina PTA Stent, coronary artery Subendocardial infarct Subendocardial myocardial infarct

	Superior myocardial infarct Unstable angina Variant angina
Acute Coronary Syndrome	
	Acute coronary insufficiency Acute Coronary Syndrome Angina, unstable Preinfarction syndrome Unstable angina
Myocardial Infarction	
	Acute myocardial infarction AMI Anterior myocardial infarct Anterolateral myocardial infarct Heart attack Inferior myocardial infarction MI Myocardial infarction Myocardial infarction, anterior Myocardial infarction, anterolateral Myocardial infarction, inferior Myocardial infarction, posterior Myocardial infarction, subendocardial Myocardial infarction, superior Posterior myocardial infarct Subendocardial infarct Subendocardial myocardial infarct Superior myocardial infarct

Hypertension	
	Essential hypertension High blood pressure Hypertension Hypertension, Isolated systolic Hypertension, malignant Hypertension, pulmonary Hypertension, renovascular Idiopathic pulmonary hypertension Isolated systolic hypertension Labile Blood Pressure Labile BP Malignant hypertension Primary pulmonary hypertension Pulmonary hypertension Renal hypertension Renovascular hypertension Severe refractory hypertension

Heart Failure	
	Acute cardiac failure Acute heart failure Biventricular heart failure Cardiac failure Cardiac failure, acute CCF Congestive cardiac failure Congestive heart failure Cor pulmonale Heart failure Heart failure, acute Heart failure, high output Heart failure, left High output cardiac failure High output heart failure Hypertensive heart failure Left heart failure Left Ventricular Failure LHF LVF RHF Right heart failure Right ventricular failure RVF

Stroke	
	Cerebral haemorrhage Cerebral infarction Cerebrovascular Accident CVA Haemorrhage, intracerebral Haemorrhagic CVA Haemorrhagic stroke Intracerebral bleed Intracerebral haemorrhage Intracranial haemorrhage Ischaemic stroke Lacunar Stroke Migrainous stroke Stroke Stroke, haemorrhagic Stroke, ischaemic Stroke, lacunar Stroke, migrainous Stroke, thrombotic Thrombotic stroke

Cardiovascular - Other:	
Peripheral Vascular Disease	
	Peripheral vascular disease Arteriosclerosis obliterans
Carotid Stenosis	
	Carotid Stenosis Carotid artery occlusion
Renal Artery Stenosis	
	Renal artery stenosis Stenosis of renal artery

Mental Health	
Depression	
[Active only conditions are collected]	Anxiety/Depression Depression Depression, endogenous Depression, Post Natal Depression, reactive Endogenous depression Neurotic depression Organic depression Post Natal Depression Reactive depression
Anxiety	
	Anxiety Anxiety disorder Anxiety neurosis Anxiety/Depression Fear, irrational GAD Generalised Anxiety Disorder Irrational fear Neurotic depression Phobia Phobic anxiety disorder Phobic disorder Social Anxiety Disorder Social phobia
Schizophrenia	
	Borderline schizophrenia Catatonic schizophrenia Chronic schizophrenia Paranoid schizophrenia Schizophrenia Schizophrenia, borderline Schizophrenia, catatonic Schizophrenia, chronic Schizophrenia, paranoid
Bipolar	
	Bipolar affective disorder Manic depressive illness Manic depressive psychosis Bipolar 1 disorder Bipolar 2 disorder

Mental Health - Developmental	
ADHD	
	ADD ADHD Attention Deficit Disorder Attention Deficit/Hyperactivity Disorder Hyperactivity r
Autism	
	Autism Autistic disorder Asperger's Syndrome Asperger's disorder
Mental Health - Degenerative	
Dementia	
	Alzheimer's Disease Confusion Dementia Dementia with Lewy Bodies Dementia, frontotemporal Dementia, multi infarct Dementia, Pick's Dementia, semantic Dementia, substance induced Dementia, vascular Diffuse degenerative cerebral disease Disturbance of mentation Frontotemporal dementia Lewy body dementia Lobar atrophy of the brain Mental deterioration Multi infarct dementia Para schizaphrenia Pick's disease Semantic dementia Senile psychosis Senility Substance induced dementia Vascular Dementia

Musculoskeletal	
Inflammatory Arthritis	
	ankylosing spondylitis Arteritis - Giant cell Arthritis - Juvenile Rheumatoid Arthritis - Psoriatic Arthritis - Rheumatoid Arthritis - Seronegative Cranial arteritis CREST syndrome Disseminated Lupus Erythematosus Generalised Lupus Erythematosus Giant cell arteritis JRA (Juvenile Rheumatoid Arthritis) Juvenile Rheumatoid Arthritis Lupus Lupus Erythematosus Marie Strumpell disease MCTD Mixed connective tissue disease Polymyalgia rheumatica Polymyalgic Syndrome psoriatic arthritis RA (Rheumatoid Arthritis) Reiter's disease Reiter's syndrome Rheumatoid Arthritis Rheumatoid Arthritis – Juvenile Scleroderma Seronegative arthritis Sicca syndrome Sjogren's disease Sjogren's syndrome SLE (Systemic Lupus Erythematosus) Stills Disease Systemic Lupus Erythematosus Temporal arteritis

Other Musculoskeletal	
	Gout Hyperuricaemia Gouty Arthritis Pseudogout Calcium pyrophosphate deposition disease Fibromyalgia Fibromyositis Myofascial pain syndrome

Bone Disease	
Osteoporosis	
	Osteopenia Osteoporosis Osteoporosis, steroid induced Steroid induced osteoporosis Steroid osteopathy
Osteoarthritis	
	Ankle osteoarthritis Cervical spine osteoarthritis Hip osteoarthritis Hip osteoarthrosis Knee osteoarthritis Knee osteoarthrosis Lumbar spine osteoarthritis OA Osteoarthritis Osteoarthritis in neck Osteoarthritis cervical spine Osteoarthritis in fingers Osteoarthritis in hand Osteoarthritis in lumbar spine Osteoarthritis of ankle Osteoarthritis of hip Osteoarthritis of knee Osteoarthrosis

Renal	
Renal Impairment	
	Acute renal failure Chronic renal failure Haemodialysis Hepatorenal syndrome Kidney failure, acute Kidney failure, chronic Kidney failure Renal artery stenosis Renal dialysis Renal failure Renal failure, acute Renal failure, chronic Stenosis of renal artery Uraemia Dialysis Renal impairment Chronic Kidney Disease, Chronic Kidney Disease, Stage 1-5
Chronic Renal Failure	
	Chronic renal failure Haemodialysis Kidney failure, chronic Kidney failure Renal dialysis Renal failure Renal failure, chronic Uraemia Dialysis Renal impairment Chronic Kidney Disease, Chronic Kidney Disease, Stage 1-5

Other	
Hyperlipidaemia	
	Dyslipidaemia Familial hypercholesterolaemia Hyperlipidaemia Hyperlipidaemia type 2 Hyperlipoproteinaemia, Type 2 High cholesterol Hypercholesterolaemia
Drug Abuse	
[Active only conditions are collected]	Amphetamine abuse Amphetamine addiction Benzodiazepine abuse Benzodiazepine addiction Benzodiazepine dependence Benzodiazepine withdrawal Drug abuse Drug addict Drug addiction Drug dependence Drug seeking Drug withdrawal Heroin addiction Heroin dependence Intravenous drug use IV drug use Long term opiate use Morphine addiction Morphine dependence Narcotic abuse Narcotic addiction Narcotic dependence Narcotic withdrawal Opiate abuse Opiate addiction Opiate dependence Opiate withdrawal Petrol sniffing Seeking drugs Solvent abuse Solvent dependence Substance abuse Withdrawal, narcotic Withdrawal, opiate

Atrial Fibrillation	
	AF Arrhythmia, atrial fibrillation Atrial fibrillation Fibrillation, atrial Rapid AF Rapid atrial fibrillation
Other - STIs	
Chlamydia	
[Active only conditions are collected]	Chlamydia Infection Chlamydia trachomatis infection Chlamydia urethritis Chlamydial PID PID, chlamydial Urethritis, chlamydial
HIV	
	Acquired immunodeficiency syndrome AIDS AIDS Related Complex ARC HIV HIV carrier HIV infection Human immunodeficiency virus carrier Human immunodeficiency virus infection Tuberculosis, AIDS
Gonorrhoea	
[Active only conditions are collected]	Gonococcal infection Gonococcal proctitis Gonorrhoea Gonorrhoea, rectal Proctitis, gonococcal Rectal gonorrhoea
Syphilis	
[Active only conditions are collected]	Spirochete infection Syphilis Treponema pallidum infection

Appendix C-1-i - Pregnancy

Pregnancy is true if the patient has a current pregnancy under the Obstetrics tab.

Appendix C-1-ii Screening exclusion Conditions

Hysterectomy	
Excluded from Pap Smear	Abdominal hysterectomy Hysterectomy Hysterectomy, abdominal Hysterectomy, subtotal Hysterectomy, vaginal Partial hysterectomy Subtotal hysterectomy TAH Total Abdominal Hysterectomy
Cancer of the Bowel	
Excluded from FOBT	Anal carcinoma Cancer of the anus Carcinoma of the anus Squamous cell carcinoma of anus Adenocarcinoma of the colon Bowel cancer Cancer of the colon Carcinoma of the colon Colon carcinoma Colonic cancer Colonic carcinoma Cancer of the rectum Carcinoma of the rectum Rectal adenocarcinoma Rectal cancer Rectal carcinoma Genetic tendency to Hereditary nonpolyposis colorectal cancer Hereditary nonpolyposis colorectal carcinoma Lynch syndrome Carcinosarcoma of the colon Colon carcinosarcoma Signet ring cell carcinoma of bowel Signet ring cell carcinoma of rectum

Polyps	
Excluded from FOBT	Familial adenomatous polyposis Familial polyposis coli Gardner's syndrome Hereditary polyposis coli Multiple colonic polyps Polyposis coli Adenomatous colonic polyp Adenomatous colonic polyps Colonic polyp Colonic polyps Polyp, colonic Polyps, colonic Polyp, rectal Polyps, rectal Rectal polyp Rectal polyps Polyposis coli Rectal polyp removal Removal of rectal polyp Rectal polyp, removal Rectal polypectomy Removal of rectal polyp Colonic polyp, removal Colonic polypectomy Removal of colonic polyp

APPENDIX C-2 – MEDICATIONS DATA CATEGORY MAPPINGS (BP)

Medications - Heart

CAT Category	Best Practice Mapping
ARB	Generic names: Candesartan Cilexetil Candesartan Cilexetil, Hydrochlorothiazide Eprosartan Mesylate Eprosartan Mesylate, Hydrochlorothiazide Irbesartan Irbesartan, Hydrochlorothiazide Losartan Potassium Olmesartan medoxomil Olmesartan medoxomil, Hydrochlorothiazide Telmisartan Telmisartan, Hydrochlorothiazide Valsartan Amlodopine, Valsartan Valsartan, Hydrochlorothiazide
ACE Inhibitors	Generic names: Captopril Enalapril Maleate Enalapril Maleate, Hydrochlorothiazide Fosinopril Sodium Fosinopril Sodium, Hydrochlorothiazide Lisinopril Perindopril Arginine Perindopril arginine, Indapamide hemihydrate Perindopril Erbumine Perindopril erbumine, Indapamide hemihydrate Quinapril Quinapril, Hydrochlorothiazide Ramipril Ramipril, Felodipine Trandolapril Trandolapril, Verapamil
Aspirin	Generic names: Aspirin Aspirin, Glycine Dipyridamole, Aspirin

Warfarin	Generic names: Warfarin Sodium
Clopidogrel	Generic names: Clopidogrel Clopidogrel, Aspirin Clopidogrel Hydrogen Sulfate
Dabigatran	Generic Names: Dabigatran etexilate
Beta Blockers - Antihypertensive	Generic names: Atenolol Bisoprolol fumarate Carvedilol Labetalol Hydrochloride Metoprolol Succinate Metoprolol Tartrate Oxprenolol Hydrochloride Pindolol Propranolol Hydrochloride
Beta Blockers – Chronic heart failure	Generic names: Bisoprolol fumarate Carvedilol Product names: Toprol-XL Toprol-XL Titration pack
Beta Blockers – Myocardial Infarction	Generic names: Atenolol Betaxolol hydrochloride Bisoprolol fumarate Carvedilol Esmolol hydrochloride Labetalol Hydrochloride Metoprolol Succinate Metoprolol Tartrate Oxprenolol Hydrochloride Pindolol Sotalol Sotalol Hydrochloride

Calcium Antagonists	Generic names: Amlodipine Amlodipine Besylate Amlodipine besylate, atorvastatin Amlodipine Maleate Diltiazem Hydrochloride Diltiazem Hydrochloride (Controlled Delivery) Felodipine Lercanidipine Hydrochloride Nifedipine Ramipril, Felodipine Trandolapril, Verapamil Verapamil Hydrochloride
Diuretics	Generic names: Bendrofluazide Bumetanide Candesartan Cilexetil Candesartan Cilexetil, Hydrochlorothiazide Diazoxide Enalapril Maleate, Hydrochlorothiazide Eprosartan Mesylate Eprosartan Mesylate, Hydrochlorothiazide Ethacrynic Acid Fosinopril Sodium, Hydrochlorothiazide Frusemide Hydrochlorothiazide Hydrochlorothiazide, Amiloride Hydrochlorothiazide, Triamterene Hydrochlorothiazide/Amiloride Hydrochlorothiazide/Triamterene Indapamide Hemihydrate Irbesartan, Hydrochlorothiazide Olmesartan medoxomil, Hydrochlorothiazide Perindopril arginine, Indapamide hemihydrate Quinapril, Hydrochlorothiazide Telmisartan, Hydrochlorothiazide
Lipid M/fying - Statins	Generic names: Amlodipine besylate, atorvastatin Atorvastatin Ezetimibe, Simvastatin Fluvastatin Pravastatin Sodium Rosuvastatin Simvastatin

Lipid M/fying - Other	Generic names: Cholestyramine Colestipol Hydrochloride Ezetimibe Ezetimibe, Simvastatin Fenofibrate Gemfibrozil Nicotinic Acid
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Medications Other

Antidiabetics	
H/glycaemics – Insulin	Generic names: Insulin Aspart Insulin aspart Insulin aspart rys Insulin Aspart, Insulin Aspart Protamine Suspension Insulin detemir Insulin glargine Insulin glulisine Insulin Isophane (N.P.H.) Bovine Insulin Isophane (N.P.H.) Human Insulin lispro Insulin Lispro Insulin lispro, Insulin lispro Protamine Suspension Insulin Lispro, Insulin Lispro Protamine Suspension Insulin Neutral (Bovine) Insulin Neutral (Human) Insulin Neutral 20%, Isophane 80% Human Insulin Neutral 30%, Isophane 70% Human Insulin Neutral 30%, Isophane 70% Human Insulin Neutral Bovine Insulin Neutral, Isophane (Human) Insulin Neutral/Isophane (Human) Insulin Zinc Suspension (Human) Neutral Insulin (Human)
H/glycaemics – Oral	Generic names: Glibenclamide Gliclazide Glimepiride Glipizide Metformin Hydrochloride Metformin Hydrochloride, Glibenclamide Metformin Hydrochloride, Glibenclamide Metformin, Glibenclamide Metformin, Glibenclamide Pioglitazone Hydrochloride Rosiglitazone Rosiglitazone Maleate, Metformin Hydrochloride Rosiglitazone Maleate, Metformin Hydrochloride

Metformin	Generic names: Metformin Hydrochloride Metformin Hydrochloride, Glibenclamide Metformin, Glibenclamide Rosiglitazone Maleate, Metformin Hydrochloride Sitagliptin, Metformin
Glitazones	Generic names: Pioglitazone Hydrochloride Rosiglitazone Rosiglitazone Maleate, Metformin Hydrochloride

Mental Health

Antipsychotics	Generic names: Amisulpride Aripiprazole Chlorpromazine Hydrochloride Clozapine Droperidol Flupenthixol Decanoate Fluphenazine Decanoate Fluphenazine Hydrochloride Haloperidol Haloperidol Decanoate Levomepromazine Olanzapine Paliperidone Pericyazine Pimozide Quetiapine Quetiapine fumarate Risperidone Thioridazine Thioridazine Hydrochloride Thiothixene Trifluoperazine Hydrochloride Ziprasidone Zuclopenthixol Acetate Zuclopenthixol Decanoate Zuclopenthixol Dihydrochloride
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Antipsychotics – Typical	Generic names: Chlorpromazine Hydrochloride Droperidol Flupenthixol Decanoate Fluphenazine Decanoate Fluphenazine Hydrochloride Haloperidol Haloperidol Decanoate Levomepromazine Pericyazine Pimozide Thioridazine Thioridazine Hydrochloride Thiothixene Trifluoperazine Hydrochloride Zuclopenthixol Acetate Zuclopenthixol Decanoate Zuclopenthixol Dihydrochloride
Antipsychotics - Atypical	Generic names: Amisulpride Aripiprazole Clozapine Olanzapine Paliperidone Quetiapine Quetiapine fumarate Risperidone Ziprasidone

Antidepressants	Generic names Amitriptyline Hydrochloride Carbamazepine Citalopram Hydrobromide Clomipramine Hydrochloride Desvenlafaxine Dothiepin Hydrochloride Doxepin Hydrochloride Duloxetine Escitalopram Oxalate Fluoxetine Hydrochloride Fluvoxamine Maleate Imipramine Hydrochloride Mianserin Hydrochloride Mirtazapine Moclobemide Nortriptyline Hydrochloride Paroxetine Hydrochloride Phenelzine Sulfate Procarbazine Hydrochloride Reboxetine Mesilate Selegiline Hydrochloride Sibutramine Hydrochloride Tranlycypromine Sulfate Trimipramine Maleate
Mood Stabiliser – Lithium	Generic names: Lithium carbonate
Anti-anxiety	Generic names: Alprazolam Bromazepam Clobazam Clonazepam Diazepam Flunitrazepam Lorazepam Midazolam Nitrazepam Oxazepam Temazepam Triazolam

Stimulants	Generic names: Atomoxetine hydrochloride Dexamphetamine Sulfate Methylphenidate Methylphenidate Hydrochloride
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Corticosteroids	
Glucocorticoids	Generic names: Beclomethasone Dipropionate Betamethasone acetate, Betamethasone sodium phosphate Budesonide Budesonide, Eformoterol fumarate dihydrate Ciclesonide Cortisone Acetate Dexamethasone Fluticasone Propionate Fluticasone Propionate, Salmeterol xinafoate Hydrocortisone Hydrocortisone Acetate Hydrocortisone Sodium Succinate Hydrocortisone, Cinchocaine Hydrochloride Methylprednisolone Acetate Methylprednisolone Sodium Succinate Prednisolone Prednisolone Hexanoate, Cinchocaine Prednisolone Sodium Phosphate Prednisone Triamcinolone Acetonide

Pain Relief	
Nsaids	Generic names: Diclofenac Potassium Diclofenac Sodium Diclofenac Sodium, Misoprostol Ibuprofen Ibuprofen, Codeine Ibuprofen, Codeine Phosphate Ibuprofen, Pseudoephedrine Hydrochloride Indomethacin Ketoprofen Ketorolac Trometamol Mefenamic Acid Naproxen Naproxen Sodium Piroxicam Pseudoephedrine hydrochloride, Ibuprofen Sulindac Tiaprofenic Acid Celecoxib Etoricoxib Lumiracoxib Meloxicam Parecoxib Sodium Rofecoxib
Cox2	Generic names: Celecoxib Etoricoxib Lumiracoxib Meloxicam Parecoxib Sodium Rofecoxib
Narcotics/Opioids	Class: Nervous System > Analgesics > Opioids Generic Names: Codeine Tramadol
Paracetamol	Generics: Paracetamol

Respiratory	
Steroid – Inhaled	Generic Names: Beclomethasone Dipropionate Budesonide Budesonide, Eformoterol fumarate dihydrate Ciclesonide Fluticasone Propionate Fluticasone Propionate, Salmeterol xinafoate
Steroid - Oral	Generic Names: Cortisone Acetate Prednisolone Prednisolone Acetate Prednisolone Hexanoate Prednisolone Sodium Phosphate Prednisone
COPD	Generic Names: Tiotropium
Asthma - Relievers	Generic Names: Salbutamol Sulfate Terbutaline Sulfate Product Names: Atrovent
Asthma – Symptom Controllers	Generic Names: Eformoterol Fumarate Dihydrate Slameterol Xinafoate
Asthma - Preventers	Product Names: Accolate Alvesco Flixotide Intal Pulmicort Qvar Singulair Tilade

Asthma - Combination	Product Names: Seretide Symbicort
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Musculoskeletal	
Gout preparations	Class: Musculoskeletal system > Antigout preparations
Osteoporosis medications	Class: Musculoskeletal system > Drugs for treatment of bone disease > Drugs affecting bone structure and mineralization > Biphosphonates Generics: Raloxifene Strontium ronelate Teriparatide
DMARDS > Conventional	Generics: aurorofin azothiaprime cyclosporin cyclophosphamide hydroxychloroquine leflunomide methotrexate mycophenolate penicillamine sulfasalazine
DMARDS > Biological (Cytokine modulators)	Generics: Abatacept Adalimumab Anakinra Etanaccept Inflimaxib Rituximab Tocilizumab

Appendix C-2-1 Immunisations

Immunisations are collected if they have been entered in the Best Practice Immunisations screen.

The values collected for each type of immunisation are:

Influenza	Pneumococcal	HPV	Pertussis	Swine Flu
FLUAD FLUVAX FLUARIX FLUVAX JUNIOR FLUVIRIN INFLUENZA INFLUVAC INTANZA VAXIGRIP VAXIGRIP JUNIOR	PNEUMOVAX 23 PREVENAR PNEUMOCOCCUS	HPV GARDASIL CERVARIX	ADACEL ADACEL POLIO BOOSTRIX BOOSTRIX IPV INFANRIX INFANRIX HEXA INFANRIX IPV INFANRIX PENTA INFANRIX-HEP B PEDIACEL PERTUSSIS PERTUSSIS (MONOVALENT) POLIACEL QUADRACEL TRIPACEL TRIPLE ANTIGEN	Panvax H1N1 Influenza Panvax Junior

CHILDHOOD IMMUNISATIONS				
HepB	DTPa	Hib	IPV (Polio)	7vPCV
Engerix B Paediatric HBVax II Paediatric Hepatitis B Infanrix Hexa Infanrix-Hep B	Infanrix Infanrix Hexa Infanrix IPV Infanrix Penta Infanrix-Hep B Tripacel Triple Antigen	ActHib HIB Hiberix HibTITER Infanrix Hexa PedvaxHIB ProHIBit	Adacel Polio Boostrix-IPV Infanrix Hexa Infanrix IPV Infanrix Penta IPOL PediaceL PoliaceL Polio Sabin (Oral) Poliomyelitis Quadracel	Pneumococcus (7 valent) Prevenar Synflorix
Rotavirus	MMR	MenCCV	HepA	VZV
Rotarix RotaTeq Rotavirus	MMR II Priorix	Meningitec Menjugate NeisVac-C	Avaxim Havrix 1440 Havrix Junior Hepatitis A Twinrix (720/20) Twinrix Junior (360/10) VAQTA Adult VAQTA Paediatric Vivaxim	Varicella-Zoster Varilrix Varivax

APPENDIX C-3 – GENERAL DATA CATEGORY MAPPINGS (BP)

Demographic	Best Practice Mapping
Gender	Open > Demographics screen > Sex
Ethnicity	Open > Demographics screen > Drop down list for Aboriginal / TSI
DVA	Open > Demographics screen > DVA No. has a value
Age	Open > Demographics screen > DOB
Last Visit	Past Visits screen > Checks most recent date in the list
Postcode	Open > Demographics screen > Postcode

Allergy	Best Practice Mapping
	Main Patient Screen > Allergies / Adverse Drug Reactions Box
Allergy Recorded	An Allergy Item is present
No Known Allergies	The 'Nil Known' check box is checked
Nothing Recorded	No Allergy Items are present and the 'Nil Known' check box is unchecked

Smoking	Best Practice Mapping
	Main Patient screen > Open > Alcohol and Smoking History > Tobacco
Daily Smoker	Smoker = Smoker is selected
Irregular Smoker	This option is not captured in Best Practice
Ex Smoker	Smoker = Ex-Smoker is selected
Never Smoked	Smoker = Never smoked is selected
Nothing Recorded	Smoker has nothing selected

Alcohol	Best Practice Mapping
	Main Patient screen > Open > Alcohol and Smoking History > Alcohol
	Frequency = days a week patient usually drinks alcohol
Drinker	Frequency = any except Never
Non Drinker	Frequency = Never
Nothing Recorded	Alcohol tab has nothing selected

Measurements /Pathology *	Best Practice Mapping
BMI	Patient Record > Main Patient Screen > Observations screen
Waist	Patient Record > Main Patient Screen > Observations screen
BSLF	Patient Record > Main Patient Screen > Observations screen OR Patient Record > Main Patient screen > Enhanced Primary Care > Diabetes Cycle of Care screen. OR Pathology HL7 results
Cholesterol	Lipids data : Patient Record > Main Patient screen > Enhanced Primary Care > Diabetes Cycle of Care screen. OR Pathology HL7 results OR manually entered result
HDL	
LDL	
Triglycerides	
Creatinine	Patient Record > Main Patient screen > Enhanced Primary Care > Diabetes Cycle of Care screen. OR Pathology HL7 results OR manually entered result
Urinary creatinine	Pathology HL7 results with LOINC code 14683-7
Microalbumin	Patient Record > Main Patient screen > Enhanced Primary Care > Diabetes Cycle of Care screen. OR Pathology HL7 results
ACR (Microalbumin Creatinine Ratio)	Pathology HL7 results with LOINC code 32294-1, 30000-4, 9318-7 or 14959-1 (units mg/mmol or g/mol) OR calculated from Microalbumin and Urinary Creatinine if results are on the same day OR manually entered result
HbA1c	Patient Record > Main Patient screen > Enhanced Primary Care > Diabetes Cycle of Care screen. OR Pathology HL7 results OR manually entered result

BP	Patient Record > Main Patient screen either - opening the Observations screen, or - opening the Enhanced Primary Care > Diabetes Cycle of Care screen.
Respiratory - Spirometry	Clinical > Respiratory function OR Today's Notes > History and Examination > Respiratory > Calculator > FEV1 and FVC
INR	Clinical > INR Manager
Physical Activity	Clinical > Physical Activity Prescription The prescription must be printed for it to be saved. A selected 'current physical activity level' of moderate or active meets the physical activity guidelines, otherwise they do not meet the guidelines
FOBT	Pathology HL7 results with LOINC code 2335-8, 27396-1, 14563-1, 14564-9, 14565-6, 12503-9, 12504-7, 27401-9, 27925-7, 27926-5 or with test names Faecal Occult Blood ,Faecal occult blood screening ,Faecal Occult Blood Test, FOB, FOBT, Occult blood – faeces, Stool occult blood test FOBT Orders are extracted with any of the test names above.

* Refer to pathology note at the start of this manual and Appendix C-6

Disease	Best Practice Mapping
Condition	Past History screen > Checks the condition selected on history items, where Conditions are selected from a coded list. Refer to Appendix C-1 for a list of conditions mapping to each CAT condition.

Medications	Best Practice Mapping
Medication	Current Rx screen > Checks the Drugs listed as current medications, where Drugs are selected from a coded list. Refer to Appendix C-2 for a list of medications mapping to each CAT medication.
Medication Count	Current Rx screen > Counts All Drugs listed as current medications

Pap Smear	Best Practice Mapping
The Pap Smear data can be found in Best Practice by opening a Female Patient Record and from the Main Patient screen opening the Cervical Smears screen. If there are smear tests they will be listed by date. Patients with tick-box 'Not Required' checked are excluded. Patients with a coded condition of Hysterectomy are also excluded - See Appendix B-1-ii – Screening exclusions Best Practice automatically recognises HL7 items as papsmear results if they are on the list below.	
Best Practice Pap Smear HL7 Mapping TEST NAME	CCSR CERVICAL CONVENTIONAL SMEAR CERVICAL CYTOLOGY CERVICAL SMEAR CERVICAL SMR CYTOLOGY GYNAECOLOGICAL CYTOLOGY GYNAECOLOGICAL (PAP-0) GYNAE CYTOLOGY GYNAECOLOGICAL CYTOLOGY GYNEA CYTOLOGY NON SCREENING PAP NON SCREENING SMEAR PAP PAP (BALLARAT) PAP (GEELONG) PAP NS PAP SMEAR PAP SMEAR (PAN-0) PAP SMEAR +/- THIN PREP PAP SMEAR OLD PAP SMEARS PAP TEST PAP-0 (PAP SMEAR) PAPFU PAPR PAPR NS THIN PREP ONLY THINP VAG SM VAGINAL SMR VAULT CYTOLOGY VAULT SMEAR

Practices should check the test names appearing in the results tab and advise PCS if there is a test name that should be added to this list.

APPENDIX C-4 – DIABETES SIP DATA CATEGORY MAPPINGS (BP)

Item	Best Practice Mapping
HbA1c	Enhanced Primary Care > Diabetes Cycle of Care OR Pathology HL7 results
Eye Exam	Enhanced Primary Care > Diabetes Cycle of Care
BMI	Observations
Waist	Observations Or Enhanced Primary Care > Diabetes Cycle of Care
BSLF	Observations Or Enhanced Primary Care > Diabetes Cycle of Care
BP	Observations Or Enhanced Primary Care > Diabetes Cycle of Care
Foot Exam	Enhanced Primary Care > Diabetes Cycle of Care
Cholesterol	Enhanced Primary Care > Diabetes Cycle of Care OR Pathology HL7 results
Triglycerides	Enhanced Primary Care > Diabetes Cycle of Care OR Pathology HL7 results
HDL	Enhanced Primary Care > Diabetes Cycle of Care OR Pathology HL7 results
Microalbumin	Enhanced Primary Care > Diabetes Cycle of Care OR Pathology HL7 results
Smoking	Open > Alcohol and Smoking History > Tobacco

APPENDIX C-5 – ASSIGNED PROVIDERS (BP)

Assigned Provider Mapping in Best Practice

Best Practice uses the 'Usual Doctor' field in the patient demographics as the patients assigned provider.

In BP release 1.6.3.490 or later a change has been made to accommodate the case where a 'Usual Doctor' is not selected. In this case patients will be assigned to the provider with whom they have had the highest number of consultations in the previous 18 months.

APPENDIX C-6 – PATHOLOGY MAPPINGS (BP)

CAT Pathology Result Collected	Best Practice HL7 Mapping TEST NAME OR LOINC CODE
ACR	32294-1 30000-4 9318-7
BSLF	14771-0
CREATININE	CREATININE SCREATININE SECREATININE 14682-9 14683-7
CHOLESTEROL	CHOLESTEROL SCHOLESTEROL SECHOLESTEROL TOTCHOLESTEROL 14647-2
HBA1C	HBA1C GLYCOSYLATEDHB GLYCATEDHB HAEMOGLOBINA1C HBA HBA(HPLC) HBA1CFRACTION 17856-6 4548-4
HDL	HDL HDLCHOLESTEROL CHOLESTEROLHDL HDL(PROTECTIVE) 14646-4
LDL	LDL LDLCHOLESTEROL CHOLESTEROLLDL LDL(ATHEROGENIC) 22748-8
MICROALBUMIN	14957-5 1754-1 1755-8

TRIGLYCERIDES	TG TRIG TRIGLYCERIDES STRIGLYCERIDES SETRIGLYCERIDES TRIGLYCTOT 14927-8 30524-3
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