



PCS CLINICAL AUDIT TOOL

USER GUIDE

APPENDICES D: GENIE DATA MAPPINGS



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Clinical Audit Tool User Guide – Appendices D – GENIE DATA MAPPINGS

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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	01/07/2009	Christine Chidgey	Add more information to Ethnicity mapping Add information provided by Genie for Medications – Other Add Assigned Provider Mapping
2.6	15/09/2009	Christine Chidgey	Add note about Alcohol

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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 Health Communications Network (HCN) clinical systems:

- Medical Director 2
- Medical Director 3

APPENDIX D – GENIE DATA MAPPINGS

APPENDIX D-1 - CONDITIONS DATA MAPPINGS (GENIE)

An * next to the CAT category indicates that Genie checks current problems and past history

Note: Where ICPC Codes are not being used, Genie checks the problem text and some patient medications to determine if a condition exists – these are noted against the category.

CAT Category	Genie Condition Mapping (either of the following columns)	
	ICPC Code	Problem Text
Diabetes		
	Requires Diabetic box to be ticked and one of the codes or text below:	
> Type II	T90	NIDDM Type 2 Type II Non insulin dependent
> Type I	T89	IDDM Type I Insulin dependent Juvenile onset
> Undefined diabetic	Diabetic box ticked and not in Type I or II above.	
Respiratory		
> Asthma	R96	Asthma
> COPD	R95	COAD COPD Chronic Airways Limitation Chronic Bronchitis Chronic Obstructive Airways Disease Chronic Obstructive Pulmonary Disease

Cardiovascular		
> CHD *	K74 K75 K76 K53 K54	coronary insufficiency myocardial infarct AMI angina Angioplasty Atherosclerotic heart disease Blockage Coronary Artery Coronary CABG Heart Attack IHD Ischaemic Heart Disease Myocardial insufficiency NSTEMI PCTA Preinfarction syndrome
> Myocardial infarction *	K75	myocardial infarct AMI myocardial damage NSTEMI PCTA
> Hypertension	K85 K86 K87	Hypertension High Blood Pressure High BP Hypertensive Labile Blood Pressure Labile Hypertension Malignant Hypertension Primary Hypertension Essential Hypertension Renal Hypertension Renovascular Hypertension Refractory Hypertension
	OR, patient is taking an anti-hypertensive medication as per MIMS Section 2A	

> Heart Failure *	K77	cardiac failure heart failure CCF Cor Pulmonale Left Ventricular failure LHF LVF Pulmonary Oedema RHF Right ventricular failure RVF
> Stroke *	K90	cerebral haemorrhage cerebrovascular accident CVA Haemorrhage intracerebral Haemorrhagic CVA Haemorrhagic stroke intracerebral bleed intracerebral haemorrhage Ischaemic stroke Lacunar stroke Stroke Thrombotic Stroke
Mental Health		
> Depression	P76	Depressive Depression Affective disorder
	OR, patient is taking an anti-depressant medication as per MIMS Section 3D	
> Anxiety	P01 P74	Anxiety
	OR, patient is taking an anxiolytic as per MIMS Section 3B	
> Schizophrenia	P72	Schizophreni
Bone Disease		
> Osteoporosis	L95	osteoporo osteopaenia osteopenia steroid osteopathy

> Osteoarthritis	L83 L84 L89 L90 L91 L92	osteoarthritis osteoarthrosis spondylosis
Other		
> Hyperlipidaemia	T93	Dyslipidaemia High cholesterol Hypercholesterolaemia Hyperlipidaemia Hyperlipoproteinaemia
	OR, patient is taking a lipid-lowering agent as per MIMS Section 2F	
> Renal Impairment	U28 U85 U88 U99	renal failure renal impairment dialysis Hepatorenal kidney failure kidney impairment Renal artery stenosis renal damage renal insufficiency renal disease kidney disease uraemia

Appendix D-1-i - Pregnancy

Pregnancy is not currently collected by Genie.

APPENDIX D-2 - MEDICATIONS DATA MAPPINGS (GENIE)

Medications - Heart

CAT Category	Genie Mapping	
	MIMS Class ID	Class Name
ARB	405	Alpha-blockers (quinazoline derivatives)
	838	Alpha-blockers (benzenesulfonamides)
ACE Inhibitors	189	Angiotensin converting enzyme inhibitors
Aspirin	39	Salicylates
Warfarin	219	Coumarins
Clopidogrel	393	Thienopyridine derivatives
Beta Blockers	46	Beta-blockers
Calcium Antagonists	54	Calcium channel blocking agents - phenylalkylamines
	377	Calcium channel blocking agents - dihydropyridines
	501	Calcium channel blocking agents – benzothiazepines
Diuretics	107	Loop diuretics
	162	Thiazide diuretics and related agents
Lipid M/fying - Statins	92	HMG-CoA reductase inhibitors
Lipid M/fying - Other	165	Clofibrate
	166	Colestipol Hydrochloride
	168	Gemfibrozil
	169	Probucol
	170	Nicotinic acid
	172	Cholestyramine
	1748	Cerivastatin Sodium
	1810	Avena Sativa Seed
	2428	Avena Sativa Herb Extract
	2484	Avena Sativa Seed Dry
	3105	Policosanol
	3818	Ezetimibe
	4029	Fenofibrate

Medications - Other

CAT Category	Genie Mapping	
	MIMS Class ID	Class Name
Antidiabetics		
H/glycaemics – Insulin	98	Insulins
H/glycaemics – Oral	329	Sulfonylureas
	47	Biguanides
	163	Thiazolidinediones
Metformin	47	Biguanides

Mental Health		
Antipsychotics	127	Phenothiazines
	52	Butyrophenone derivatives
	244	Lithium
	213	Thioxanthenes
	586	Dibenzothiazepine derivatives
	473	Benzamide derivatives
	581	Benzisothiazolyl piperazine derivatives

Corticosteroids		
Glucocorticoids	154	Glucocorticoids

Pain Relief		
NSAIDs	119	NSAIDs
COX2	467	Cox-2 inhibitors

Respiratory		
Asthma - Inhaled	717	Budesonide
COPD	3390	Tiotropium

Appendix D-2-1 Immunisations

Immunisations are not implemented yet.

APPENDIX D-3 - GENERAL DATA MAPPINGS (GENIE)

Demographic	Genie Mapping
Gender	Patient Record > Edit Patient screen > Sex (M,F,blank)
Ethnicity	<p>Patient Record > Edit Patient screen > Misc > Culture > Drop down list for Aboriginal / TSI</p> <p>Note that Genie allows you to add your own values to this drop down list – only the default included values will be picked up as ATSI. These are</p> <ul style="list-style-type: none"> • Aboriginal • TSI <p>All other values will be picked up as non ATSI</p>
DVA	Patient Record > Edit Patient screen > DVA No. as a value
Age	Patient Record > Edit Patient screen > DOB
Last Visit	Patient Record – Main tab - Contacts panel > Checks most recent date in the list
Postcode	Patient Record > Edit Patient screen > Postcode

Allergy	Genie Mapping
	Patient Record - Main tab – Allergies Box
Allergy Recorded	An Allergy Item is present
No Known Allergies	The 'Nil Known' option is selected
Nothing Recorded	No Allergy Items are present and the 'Nil Known' option is not selected

Smoking	Genie Mapping
	Patient Record - Main tab – Smoking selection box
Daily Smoker	Smoker = Daily Smoker
Irregular Smoker	Smoker = Weekly Smoker Smoker = Irregular Smoker
Ex Smoker	Smoker = Ex Smoker
Never Smoked	Smoker = Never Smoked
Nothing Recorded	Smoking status not selected

Alcohol	Genie Mapping
	Patient Record - Main tab – Alcohol check box
	Genie does not capture enough information about Alcohol to be able to provide an accurate graph.

Measurements

The following measurements can be found in Genie by opening a Patient Record and from the Main tab – Contacts panel

- > Opening a Consultation Record
- > Viewing and opening the Measurements recorded

BP/Weight

BMI, Waist
BP

Pathology

BSLF
Lipids: HDL, LDL, Triglycerides
Microalbumin
Creatinine
HbA1c

Respiratory

Spirometry: FEV1, FVC
(Note: spirometry is not yet being collected)

Pap Smear

The Pap Smear data can be found in Genie on the Patient Record - Main tab. If there are smear tests the 'Last pap' date will be listed.

Patients marked don't recall are ignored.

Medications - HMR

Medications can be found on the Patient Record – Main tab. HMR counts all the medications listed.

APPENDIX D-4 - DIABETES SIP DATA MAPPINGS (GENIE)

Diabetes SIP Item	Genie Mapping
HbA1c	Patient Record - Main tab – Contacts panel - view the Consultation Record
Eye Exam	Patient Record – Main tab – Contacts panel – presenting problem = Referral to Ophthalmologist OR eye exam
BMI	Patient Record - Main tab – Contacts panel - view the Consultation Record
BP	Patient Record - Main tab – Contacts panel - view the Consultation Record
Foot Exam	Patient Record – Main tab – Contacts panel – presenting problem = Referral to Podiatrist OR foot exam OR feet exam
Cholesterol	Patient Record - Main tab – Contacts panel - view the Consultation Record
Triglycerides	Patient Record - Main tab – Contacts panel - view the Consultation Record
HDL	Patient Record - Main tab – Contacts panel - view the Consultation Record
Microalbumin	Patient Record - Main tab – Contacts panel - view the Consultation Record
Smoking	Patient Record - Main tab – Smoking selection box

APPENDIX D-5 – ASSIGNED PROVIDERS (Genie)

Genie uses the 'Usual Provider' that is entered on the patient details screen.