



DATA DICTIONARY

(as at July 2012 - outlining data items within One21seventy Audit Tools)

Notes

- Revisions/amendments to audit tool items (variables) have occurred over time as per notes against specific variables in table below.

Audit tool data collected from **2005**:

- **Health Centre & Community Survey (HCCS)**
- **Vascular & Metabolic** (undertaken on records of clients >15 years of age with one or more of the following chronic conditions: Type II Diabetes, Coronary Heart Disease, Chronic Heart Failure, Chronic Kidney Disease, Hypertension)
- **Preventive Services** (clients 15 yrs – 54 yrs with no diagnosis of a chronic condition listed above or rheumatic heart disease)

Audit tool data collected from **2007**:

- **Maternal Health** (pregnant women)
- **Child Health** (3 months to <15 years)

Audit tool data collected from **2009**:

- **Mental Health** (clients >16 yrs with a diagnosed mental health issue who have experienced symptoms for more than six months in the past or at least one relapse/recurrence of symptoms suggesting a need for ongoing care and be currently unwell or have been identified as unwell in the past twelve months)

	Item/Variable	Type	Code	Description/notes	Audit Tool
	Cycle	Discrete	Cycle	System generated	All
Health Centre & Community Information	Governance model	Nominal/ Text		Community control/ Government service/ other	HCCS
	Location	Nominal/ Text		City/ Regional/ Remote/ other	HCCS
	Outstations	Numerical		No of outstations served by health centre	HCCS
	Accreditation	Nominal		Type of accreditation	HCCS
	Estimated no of Indigenous people in service area	Numerical			HCCS
	No of clients of health centre	Numerical		Indigenous/non-indigenous	HCCS
	No. of regular clients	Numerical/ nominal		Indigenous/non- indigenous; how does centre classify 'regular' eg X no of visits in past X years	HCCS
	Regular staff positions	Numerical		By profession, fulltime/ part time, Indigenous/ non- indigenous	HCCS
	Regular visiting staff	Numerical/ Text		By fulltime/ part time, Indigenous/non-indigenous profession inc 'other'	HCCS



	Item/Variable	Type	Code	Description/notes	Audit Tool
General info	Client ID	Discrete		Generated at time of audit	All
	Medicare number recorded	Binary		Yes/No option	All
	Date of Birth (Age)	Continuous	age	Age calculated from DOB & audit date	All
	Age at date of audit	Continuous			Child Health
	Sex	Binary	sex	Gender of client	All
	Indigenous Status	Nominal	indig	Indigenous status of client	All
	Audit date	Date	audityear/ auditmonth		All
	Infant delivery summary sheet present	Nominal		Yes/No/Not complete	Maternal
	Date of Birth of infant	Date			Maternal
	Gestational age at birth	Continuous			Maternal
	Birth weight of infant	Continuous			Maternal
	Indigenous status of infant	Nominal			Maternal
	Type of birth	Nominal		Vaginal/Caesarean/Assisted (added Jun 2010)/not stated	Maternal
	Was antenatal care transferred to/from another centre/hospital	Binary		Added Jun 2010	Maternal
	If yes, main reason for transfer	Nominal		eg complications, birthing, high risk pregnancy etc. Added Jun 2010	Maternal
	If yes, record gestational age at transfer.	Continuous		Added Jun 2010	Maternal
Location of birth	Nominal		eg home, health centre, local hospital. Added Jun 2010	Maternal	
Diagnosis info & audits of care	T2DAudit	Binary	T2DAudit	Diabetes audit	V&M
	CHDAudit	Binary	CHDAudit	Coronary heart disease audit	V&M
	CHFAudit	Binary	CHFAudit	Chronic heart failure audit (added Dec 2011)	V&M
	CKDAudit	Binary	CKDAudit	Chronic kidney disease audit (terminology change from Renal Disease Dec 2011)	V&M
	Hypertension Audit	Binary	Hypertension Audit	Hypertension audit	V&M
	Condition diagnosis date recorded	Binary		Yes/No	V&M



	Item/Variable	Type	Code	Description/notes	Audit Tool
Co-morbidities	Record of certain co-morbidities/ complications	Binary		eg depression, acute myocardial infarction, COPD, dyslipidaemia (previously hyperlipidaemia), retinopathy etc Added in Dec 2011: Gastroparesis for T2D; anaemia for CKD; pulmonary oedema for CHF & CKD	V&M
Attendance at health centre	Date of last attendance	Date	lastattendyear /lastattendmth		V&M, Preventive, Child Health
	If no attendance in last 12 mths, any record of attempted follow-up	Binary		Yes/no	Child Health, Mental Health
	If no attendance in last 24 mths, any record of attempted follow-up	Binary		Yes/no	Preventive
	Reason for last attendance	Nominal		eg chronic disease, acute care, health check, immunisation, mental health care, 'other' etc	V&M, Preventive, Child Health, Mental Health
	Brief description of 'other' reason for attendance	Text		Added August 2010	Preventive, Child Health, Mental Health
	First seen by	Nominal		By profession eg AHW, nurse etc	All
	Date of first antenatal assessment	Date			Maternal
	Number of antenatal visits	Discrete			Maternal
	First antenatal assessment by	Nominal		By profession eg AHW, midwife etc	Maternal
	Estimated gestational age at 1 st antenatal visit	Continuous			Maternal
	Did client visit during 1 st /2 nd /3 rd trimester	Binary		Added Jun 2010.	Maternal
	Clear record of postnatal visit	Binary			Maternal
	Date of last mental health presentation	Date			Mental Health



Item/Variable	Type	Code	Description/notes	Audit Tool
Chronic or recurrent medical conditions recorded	Binary/ Text		Yes/no, if yes describe condition	Preventive
Record of medical summary	Binary			Preventive
Immunisation record	Binary			Preventive
MBS item 715 Adult Health Check	Binary		For Mental Health – performed by general or mental health team?	Preventive, Mental Health
Alternative Adult Health Check	Binary		For Mental Health – performed by general or mental health team?	Preventive, Mental Health
Growth chart present	Binary			Child Health
Immunisation chart	Binary			Child Health
Child on recall system	Binary			Child Health
Child Health Check MBS item 715	Binary		completed within last 12 mths	Child Health
Alternative Child Health Check	Binary		completed within last 12 mths	Child Health
Recorded mental health diagnoses & date of record	Binary/ Date		Inc depressive, anxiety, psychotic, substance use, eating & 'other' disorders in last 12 mths	Mental Health
Record of client being sectioned under Mental Health Act & date	Binary/ Date			Mental Health
Record of client in shared care with State Mental Health Team	Binary/ Nominal		In last 12 mths. If no, record of referral to other service (eg psychiatrist, counsellor, traditional healer etc)	Mental Health
GP Mental Health care plan	Binary		If yes, clinical & self-mgmt/ recovery goals recorded & reviewed in last 3 mths?	Mental Health
Alternative Mental Health Care Plan	Binary		If yes, clinical & self-mgmt/ recovery goals recorded & reviewed in last 3 mths?	Mental Health
MBS item 721 GPMP	Binary			V&M
Alternative GPMP	Binary			V&M
MBS item 723 TCA	Binary			V&M
Alternative TCA	Binary			V&M
Clinical goal recorded	Binary			V&M
Self management goals	Binary			V&M

Key information in client medical records



	Item/Variable	Type	Code	Description/notes	Audit Tool
Scheduled Services & Follow-up	Record of chronic disease mgmt & medication discussion	Binary			V&M
	Antenatal care plan/ record present	Binary			Maternal
	Record folate prescribed before 20wks & prior to conception	Binary			Maternal
	Record iron prescribed	Binary			Maternal
	Absolute cardiovascular risk assessment	Binary		Added Dec 2011	V&M
	Weight recorded	Binary/ Nominal/ Date		Within last 6 mths Within last 24 mths B/f 13 wks gestation (added Jun 2010 to maternal, includes refused option)	V&M, Preventive, Maternal
	Weight	Binary/ Date/ Continuous		In kgs & date recorded	Child Health
	Waist circumference recorded	Binary		Within last 6 mths Within last 24 mths	V&M, Preventive
	Waist circumference result	Continuous /Date		cm units & date recorded	V&M
	Body Mass Index (BMI) recorded	Binary/ Nominal		Added Jun 2010 to preventive & maternal (includes refused option). Children >2yrs.	All
	BMI result	Continuous		kg/m ² units. Added Jun 2010 to preventive; Aug 2011 to Child Health	V&M, Preventive Child Health, Mental Health
	BMI date	Date		Added Aug 2011 to Child Health	V&M Child Health
	Record of brief intervention for overweight/obesity	Binary		Added Dec 2011 to V&M; Jun 2010 to Preventive	V&M, Preventive, Mental Health
	Evidence of overweight/obesity & follow-up	Binary		Added Aug 2011 to Child Health. If yes, record of type follow-up (eg BP or BGL assessment) or referral.	Child Health
	Abnormal BMI follow-up	Continuous /Date/ Binary		BMI reading, date, and record of mgmt plan in place	Maternal
Record of referral for weight mgmt advice	Nominal		Added Dec 2011. Yes/No/Declined	V&M, Preventive	



Item/Variable	Type	Code	Description/notes	Audit Tool
Length/Height	Binary/ Date/ Continuous		In cms & date recorded	Child Health
Head circumference	Binary/ Date/ Continuous		In cms & date recorded for infants <12mths	Child Health
Infant/childhood scheduled immunisations	Nominal/ Date		Yes/no/not scheduled & date - for all recommended immunisations itemised by age group <6yrs & 6-15yrs (NB: schedules vary by state) Added Aug 2011: BCG at birth, Rotavirus, 10vPCV, 7vPCV, (Hep B, HPV, VZV 10-14yrs) (DPTa <15 yrs)	Child Health
Influenza vaccination	Nominal		Yes/no/declined Declined option added Dec 2011	V&M
Pneumococcal vac	Nominal		Yes/no/declined Declined option added Dec 2011	V&M
Pneumococcal vac date (last 3 vaccinations)	Date		Dates of 3 most recent immunisations (year 3 date added Dec 2011)	V&M
Blood pressure (BP)	Binary/ Nominal		Mental health: taken by general or mental health team? Maternal: Yes/no/refused at < 13wks, 13-26wks & >26wks gestation	V&M, Preventive, Maternal, Mental Health
Record of abnormal BP result	Binary			V&M, Maternal
Abnormal BP result follow-up	Continuous /Date/ Nominal		BP reading, date, and record of follow-up inc follow-up test, medication adjustment, referral etc. Maternal: before & after 26 wks	Maternal, V&M
Record of follow-up if blood pressure ≥140/90	Binary		Within last 2 years	Preventive
Haemoglobin	Binary/ Date/ Continuous		>6 mths in regions where haemoglobin check required. In g/l units & date recorded	Child Health
Pulse rate	Binary		Added Jun 2010	Preventive
Urinalysis	Binary		Child Health: in Qld (where indicated) & NT >10yrs. (added Aug 2011)	Preventive, Child Health



Item/Variable	Type	Code	Description/notes	Audit Tool
Urinalysis, record of abnormal result	Nominal		Yes/no/refused. < 13wks, 13-26wks & >26wks gest	Maternal
Testes check	Binary		<12 months	Child Health
Hip examination	Binary		<12 months	Child Health
Gait	Binary		>12mths Qld & >18mths NSW	Child Health
Eye examination	Binary			Child Health
Trachoma	Binary		If required in region, >4yrs in NT. Added Aug 2011.	Child Health
Trichiasis	Binary		Added Jun 2010	Preventive
Visual acuity	Binary		Preventive: ≥ 40 years. (added Jun 2010)	V&M (T2D) Preventive
Dilated eye check	Binary		within last 12 mths (changed Dec 2011 from within last 24 mths)	V&M (T2D, HT)
Foot check	Binary			V&M (T2D)
Pap smear	Binary			Preventive
Mammography	Binary		50-69 yrs (added Jun 2010)	Preventive
STI PCR	Nominal		yes/no/refused. Added Jun 2010 to maternal	Preventive, Maternal
STI syphilis	Nominal		yes/no/refused	Preventive, Maternal
Oral health/hygiene	Binary		Added Aug 2011 to Child Health. >6mths.	Preventive, Child Health
Ears & hearing	Binary		Added Jun 2010 to preventive.	Preventive, Child Health
Skin Check	Binary		Added Jun 2010 to Preventive & Aug 2011 to Child Health	Preventive, Child Health
Reproductive & sexual health	Binary		Added Jun 2010	Preventive
Fundal height, record of abnormal result	Nominal		Yes/no/refused. 13-26wks & >26wks gestation	Maternal
Fetal heart rate, record of abnormal result	Nominal		Yes/no/refused. 13-26wks & >26wks gestation	Maternal
Fetal movements, record of abnormal result	Nominal		Yes/no/refused. 13-26wks & >26wks gestation. Added June 2010.	Maternal
If abnormal fetal movements	Binary		Follow-up inc kickchart initiated, CTG, referral. Added Jun 2010.	Maternal
Cardiac auscultation	Binary			Child Health
Respiratory exam	Binary		Added Aug 2011	Child Health
Developmental milestones check	Binary		Children <4yrs.	Child Health



Item/Variable	Type	Code	Description/notes	Audit Tool
Vision	Binary		All children NSW, WA; >6mths Qld, NT. Previously vision & hearing - separated from Aug 2011.	Child Health
Hearing	Binary		>6mths NT; all children other regions. Previously vision & hearing - separated from Aug 2011.	Child Health
Parent-child interaction	Binary		<4yrs Qld, WA;<2yrs NT; where required other regions. Added Aug 2011	Child Health
Mental Health Assessment/ Mental State Examination	Binary		Within 6 mths. Performed by general health team or mental health team?	Mental Health
Review of medication by psychiatrist or registrar	Binary		Within 12 mths. By general or mental health team?	Mental Health
Risk factors, brief interventions and referral	Recorded tobacco/alcohol use	Nominal	Tobacco: smokes/chews (added Dec 2011)/non-user/not stated; Alcohol: high/ low risk/ non-user/not stated	V&M, Preventive, Mental Health
	Recorded smoking status	Nominal	Smoker/ Non-smoker/ Not stated	Mental Health
	Recorded use of cigarettes (in 1 st ,2 nd ,3 rd trimester)	Nominal	Daily/Weekly/Irregular/ non-smoker etc. 2 nd trimester added Jun 10	Maternal
	Recorded use of alcohol (in 1 st ,2 nd ,3 rd trimester)	Nominal	>7 drinks/wk or >2 drinks/day; <7 drinks/ wk or <2 drinks/day; no alcohol; no record etc. 2 nd trimester added Jun 2010	Maternal
	Record of brief intervention for tobacco or high risk alcohol use	Binary	If client uses tobacco or high risk alcohol level. Alcohol BI added Jun 2010 to preventive & maternal	V&M, Preventive, Maternal, Mental Health
	Record of referral to quit program	Nominal	Yes/No/Declined	V&M, Preventive
	Record of organic complications of alcohol misuse	Binary	NB: removed from V&M (Dec 2011) deemed to difficult to scientifically measure	Preventive, Mental Health
	Recorded drug use	Nominal	Added Dec 2011 Current use/no use/ no record. Mental Health incs 'past misuse' too.	V&M, Mental Health
	Recorded use of illicit drugs (in 1 st ,2 nd ,3 rd trimester)		eg daily user; weekly user; irregular user etc. 2 nd trimester added Jun 2010	Maternal



Item/Variable	Type	Code	Description/notes	Audit Tool
Record of brief intervention for drug use	Binary		Added Dec 2011 to V&M; added Jun 10 to maternal	V&M, Maternal, Mental Health
Record of referral to quit program	Nominal		Yes/No/Declined	V&M
Evidence of social risk factors during pregnancy If yes, record of referral	Nominal/ Binary		Yes/No/Not recorded	Maternal
Evidence of medical risk factors during pregnancy If yes, record of referral	Nominal/ Binary		Yes/No/Not recorded	Maternal
Brief intervention/ counselling during antenatal visits	Binary		eg plans for birthing, antenatal education, nutrition, breast feeding, family support, finance situation etc. Cultural considerations added Jun 2010.	Maternal
Brief intervention/ counselling during postnatal visit	Binary		eg smoking, alcohol, nutrition, breast feeding, mood, family support, finance situation etc.	Maternal
Brief intervention/ advice to parents/child	Binary		eg breast feeding, nutrition, SIDS prevention, passive smoking risk, infection prevention, family support, finance situation etc.	Child Health
Brief Progress Assessment	Binary		Inc family/indiv counselling, social issues counselling, mental health education, engagemt with traditional healer etc. Within last 3 mths. Delivered by general or mental health team.	Mental Health
Record of discussion regarding health issues	Binary		eg family relationships, environmental living conditions. For >55: continence, cognition etc. All added Jun 2010	Preventive
Absolute CV Risk assessment undertaken	Nominal/ Text		By test type, description of test if 'other'. Added Jun 10	Preventive
Recorded Absolute CardioVascular Risk	Ordinal		By result ranges, % units. Added Jun 10.	Preventive
Record of nutrition advice	Binary			V&M, Preventive, Mental Health



	Item/Variable	Type	Code	Description/notes	Audit Tool
	Record of physical activity advice	Binary			V&M, Preventive, Mental Health
	Record of co-morbidities /complications	Binary		Inc asthma, hypertension, diabetes, Hep C +ve etc	Mental Health
Emotional wellbeing screening & care (added Jun 2010 to preventive & maternal)	Record of screening for emotional wellbeing	Binary		Within last 12 months	V&M, Preventive, Maternal
	Screening score indicates client at risk	Binary		If screen occurs, score indicate client at risk?	V&M, Preventive, Maternal
	Record of discussion about emotional wellbeing	Binary		Within last 12 months Added Dec 2011	V&M, Preventive, Maternal
	Any other recorded concern about emotional wellbeing?	Binary		If discussion occurred, any other recorded concern?	V&M, Preventive, Maternal
	Record of follow-up action within 3 mths	Binary		Inc referral/brief intervention/counselling/ cognitive behaviour therapy/ medication/'other'	V&M, Preventive, Maternal
	Brief description of 'other' action recorded	Text			V&M, Preventive, Maternal
	Record of subsequent review within 1 mth of action taken	Binary			V&M, Preventive, Maternal
	Record of report from external service within 6mths of referral	Binary			V&M, Preventive, Maternal
Current Treatment	Current drug prescriptions related to health condition	Binary / Nominal		eg metformin, insulin, no. of antihypertensive drugs, antidepressants etc. Added in Dec 2011 digoxin for CHF & diuretics for CKD	V&M
	Current drug prescriptions related to health condition	Binary		eg anti-psychotic, anti-depressant, mood stabilizer medication.	Mental Health
Hospitalisations & Discharge	Mental Health related admissions	Numerical/ Binary		If yes, record of notes of illness on discharge & record of discharge letter?	Mental Health
	Other admissions	Numerical			Mental Health



Item/Variable	Type	Code	Description/notes	Audit Tool
ACR test	Binary			V&M
ACR result	Continuous		mg/g units	V&M
ACR date	Date			V&M
eGFR test	Binary			V&M
eGFR result	Ordinal		choice of result ranges	V&M
eGFR date	Date			V&M
Blood glucose level	Binary		within last 12 mths (V&M) within last 24 mths (prevent)	V&M, Preventive
Record of follow-up if BGL \geq 5.5mmol?	Binary		Within last 2 years	Preventive
Full Blood Count	Binary/ Date		If client is on regular psychotropic medication	Mental health
Echocardiogram	Binary		within last 12mths, CHF audit only. Added Dec 2011.	V&M
Full lipid profile	Binary		V&M: within last 12mths Prev: last 24 mths (added Jun 10). Mental: if client on psychotropic medication.	V&M, Preventive, Mental Health
Record of follow-up if lipid profile LDL-C $>$ 2.5; HDL-C $<$ 1; or triglycerides $>$ 1.5mmol?	Binary		Within last 2 years. Added Jun 2010.	Preventive
Total cholesterol/high density lipoprotein ratio	Binary		Added Dec 2011	V&M
Total chl/HDL ratio result	Continuous		mg/dL units	V&M
Total chl/HDL ratio date	Date			V&M
Abnormal tot chl/HDL & follow-up	Binary		If abnormal, follow-up plan or record of medication adjustment/ review	V&M
HbA1c test	Binary		within last 6 & 12 mths	V&M
Most recent HbA1c result	Continuous		% &/or mmol/mol units (mmol/mol option added Dec 2011)	V&M
Most recent HbA1c date	Date			V&M
Abnormal HbA1c result & follow-up	Binary		If abnormal, follow-up or medication adjustment/ review	V&M
Record of follow-up if urine dipstick test showed positive protein	Binary		Within last 2 years	Preventive
Evidence of proteinuria & follow-up	Binary		Added Aug 2011. If yes, record of follow-up or referral.	Child Health
Serum urea	Binary		If client is on regular psychotropic medication	Mental health

Investigations & evidence of follow-up of abnormal findings



Item/Variable	Type	Code	Description/notes	Audit Tool
Serum creatinine	Binary		If client is on regular psychotropic medication	Mental health
Blood group/Rhesus	Nominal/ Date		Yes/no/refused. Date of test	Maternal
Rh factor & follow-up	Binary		If Rh negative anti-D injection given at 26-28wks & 34-36wks? If baby Rh +ve, mother given anti-D postnatally?	Maternal
Antibodies	Nominal/ Date		Yes/no/refused. Date of test	Maternal
Midstream urine	Nominal/ Date		Yes/no/refused. Date of test	Maternal
Follow-up urine infection	Binary		Follow-up includes oral antibiotics, follow-up test	Maternal
Full blood examination	Nominal/ Date		Yes/no/refused. Date of test. Present time & between 26 & 30 weeks. Change in gestational age from Jun 10.	Maternal
Anaemia	Binary/ Date/ Continuous		Anaemia reading, date, and record of follow-up inc iron prescribed & follow-up test	Maternal
Evidence of anaemia & follow-up	Binary		If yes, record of type follow-up (eg nutrition advice, iron prescription).	Child Health
Rubella	Nominal/ Date		Yes/no/refused. Date of test	Maternal
Follow-up: record of negative or low titre	Binary		Rubella immunisation given postnatally?	Maternal
Hepatitis B virus	Nominal/ Date		Yes/no/refused. Date of test	Maternal
HIV test	Nominal/ Date		Yes/no/refused. Date of test	Maternal
Anomaly screening	Nominal/ Date		If agreed type of test eg nuchal translucency, maternal serum screening etc	Maternal
50 or 75g glucose challenge/tolerance test	Nominal/ Date		Between 26 & 30 wks. Date of test. Change in gestational age from Jun 10.	Maternal
Follow-up abnormal glucose test	Binary		Follow-up glucose tolerance test taken?	Maternal
Lower vaginal swab – group B streptococcus	Nominal/ Date		Between 34 & 37 wks. Date of test	Maternal



Item/Variable	Type	Code	Description/notes	Audit Tool
Ultrasounds	Numerical/ Binary/ Date		Total number of ultrasounds Before 16 wks? Between 19-21 wks? & dates of ultrasounds.	Maternal
Thyroid Function Test	Binary		If client is on regular psychotropic medication	Mental health
Mood stabiliser (blood level)	Binary		If client is on regular psychotropic medication	Mental health
Evidence of growth faltering/failure to thrive & follow-up	Binary		If yes, record of type follow-up (eg nutrition advice, family meeting) or referral.	Child Health
Evidence of recurrent or chronic ear infections & follow-up	Binary		If yes, record of type follow-up (eg antibiotic prescription) or referral.	Child Health
Evidence of recurrent/ chronic respiratory disease & follow-up	Binary/ Continuous		If yes, no. of chest infections requiring antibiotics in last 12 mths? (added Aug 2011) & record of follow-up or referral.	Child Health
Evidence of infected skin sores & follow-up	Binary		Added Aug 2011. If yes, record of follow-up (eg antibiotics or swabs) or referral.	Child Health
Evidence of scabies & follow-up	Binary		Added Aug 2011. If yes, record of treatment & follow-up.	Child Health
Evidence of developmental delays & follow-up	Binary		If yes, record of treatment & follow-up.	Child Health
Evidence of social/environmental issues & follow-up	Binary		Includes domestic, finance, housing. If yes, record of treatment & follow-up.	Child Health
Exacerbation/ deterioration of specific mental health behaviours/symptoms & follow-up	Binary		Inc sleep patterns, hallucinations, mood, medication side effects etc. If yes, record of referral, medication review/ adjustment or culturally appropriate intervention.	Mental Health