

Mental Health Information System (MHIS) Ambulatory Data Dictionary (1966 – Present)

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Note: Data prior to 1970 very sparse

Variable Name	Variable code	Variable Description	Values	Years collected	Issues with Variable
<b>PATIENT INFORMATION</b>					
Gender	SEX	Sex of client	1 = Male 2 = Female 3 = Indeterminate	1966-Present	N/A
Indigenous Status	INDSTAT	Self-report measure as to whether a person identifies themselves as Aboriginal and/or Torres Strait Islander	1=Indigenous – Aboriginal but not TSI 2=Indigenous – TSI but not Aboriginal 3=Indigenous – Aboriginal or TSI 4=Not Indigenous – not Aboriginal or TSI 9=Not stated	1966-Present	Data missing or unknown for up to 6% of people.
Country of Birth*	COB	Country of birth of the client coded to National Standards.	SACC classification (Numeric) eg. 1101=Australia	1966-Present	Data missing or unknown for up to 5% of people.
Year of Arrival	YOA	Year of Arrival in Australia if from overseas	Numeric (XXXX) eg. 1966	1966-2003	Data not collected since PSOLIS started.
Date of Birth Subset DOB: Month & Year Subset DOB: Year	DOBMMYY DOBCCYY	Date of Birth of client: Birth month and year Year of birth	MMYYYY eg. JUN1999 YYYY eg. 1999	1966-Present	N/A
Age On Contact	AGE	Age of individual on date of contact	Numeric (0-XXX) eg. 34	1966-Present	N/A
Marital Status	MARSTAT	Marital status at time of admission	1=Never Married 2=Widowed 3=Divorced 4=Separated 5=Married (registered & de facto, including same-sex couples) 6=Unknown	1968-Present	Unreliable prior to 1970. Up to 10% missing from 1970.
Health Service of Residency	AHS_RES	Health Service of residency	1=North Metro 2=South Metro 3=Goldfields-South East 4=Great Southern 5=Kimberly 6=Midwest-Murhcison 7=Pilbara-Gascoyne 8=South West 9=Wheatbelt 96=Interstate & Overseas 97=Unknown 98=WA Postboxes	1966-Present	Only recorded for up to 20% people prior to 1991 due to poorly recorded postcode data.

Religion	RELIGION	Religious affiliation at admission	99=Undefined 10=Church of England/Anglican 20=Baptist 21=Brethren 22=Church of Christ 23=Congregational 24=Lutheran 25=Methodist 26=Salv Army 27=Seventh Day 28=Jehovahs Witness 29=Presby. 30=Uniting 39=Protestant 40=Roman Catholic 41=Orthodox 49=Christian Undefined 60=Hebrew 61=Non Christian 88=Atheist 99=Not Known	1967-Present	Missing data increases over time (Maximum 60% missing in 2003).
Occupation	OCCUPATION	Occupation at time of admission	0='Architect/Draftsmen/Surveyors' 1='Professional Engineers' 2='Chemists Not Pharmaceutical' 3='Scientists' 4='Medical Practitioners' 5='Dentists' 6='O/Prof Medi Worker/Medi Tech' 7='Nurses' 8='Technicians & Tech Assist' 9='Teachers' 10='Members Of Religious Orders' 11='Professional Law' 12='Artist,E/Tainer,Writer,Rel Wk' 13='O/Profess,Tech & Related Work' 14='S/Empl Dir,Mngr,Gov Admin' 15='Mnger,Directs,Empl Build/Const' 16='Stenograph/Typist/Off Mach.' 17='Clerical Workers' 18='Salesmen Shop Asst' 19='Groundkeeper/Caretaker' 20='Axemen' 21='Farmers And Farm Managers' 22='Wool Classers' 23='Shearers' 24='Timber Get & Other Forest Wrk' 25='Fishermen & Related Workers' 26='Farm Worker,Hunter/Trapper' 27='Deputies & O/Skilled Mine Wk'	1967-Present	Unreliable prior to 1969. Up to 50% missing from 1970.

			28='Miner/Quarry/Driller,Rel Wk' 29='Mine & Quarry Labourers' 30='Ships Officers Merchant' 31='Aircraft Officers' 32='Insp/Supers/Workers Water Tran' 33='Road Transport Work,' 34='O/Workers In Trans & Commun' 35='Railway Transport Workers' 36='Railway Porter Ticket Collet' 37='Air Transport O/Wkers' 38='Teleph/Graph & Rel Telecom Op' 39='Post/Men,Assist,Offic,Mes/Ger' 40='Tailors Upholst, & Bootmakers' 41='Textile Workers' 42='Garment/Hat/Shoe Makers' 43='Annealer/Temperer/Smith/Mould' 44='Metalwrks Furnace,Roll/Mill Op' 45='Engineers(Not Professional)' 46='Plumbers And Pipe Fitters' 47='Metal Trades Tradesmen' 48='Metal Workers,Trades Assit' 49='Watchmake Jeweller & Rel Work' 50='Electricians,Elect Mechanics' 51='Electrical/Electronic Fitter' 52='Other Electrical Tradesmen' 53='Electric Wkers & Trade Assist' 54='Carpenters, Joiners' 55='Cabinetmks/Polish Wood Mach' 56='Patternmakers, Metal Found' 57='Woodwk,Factory Wkers Tr/Assis' 58='Sawmill/Timber Wks' 59='Painters & Decorators' 60='Bricklayers, Stonemasons' 61='Other Building Tradesman' 62='Bldg & Construct Wks' 63='Bldg Trade Assist' 64='Builders Labourers' 65='Composit/Print/Engrave,Binder' 66='Printing Workers' 67='Glass Workers, Potters' 68='Other Pottery & Glass Workers' 69='Baker,Butcher,Millers,Brewer' 70='Confectioner,Canner,Curer' 71='Other Food Processing Workers' 72='Chem,Paper Prod Wrks' 73='Tobacco Preparer/Product Mkrs' 74='Rubber Product Workers' 75='Plastic Product Workers' 76='Tanners,Fellmongers & Rel Wks'		
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			77='Prodct Procs Wks' 78='Conc/St Wks S/Eng Dv Prod Wksw' 79='Boil/Fire Oil/Greas Prod Wks' 80='Construct Mach Op' 81='Storemen Freight Handlers' 82='Labourers' 83='Fire/Policemen,Protect Serv' 84='Stewards,H/Keeps Maid Rel Wks' 85='Cooks Waiters, Bartenders' 86='Domestic Wrks' 87='Hairdresser,Beauticians' 88='Launderers, Dry Cleaners' 89='Athletes,Sportsmen & Rel Wrks' 90='Photographers & Rel Camera Op' 91='Attendants, Hospital Etc' 92='Nurse Aides & Assist Wrks' 93='Bldg Caretrks,Clners & Rel Wk' 94='Armed Services' 95='Occ Inadequatley Described' 96='Child/Student' 97='Home Duties' 98='Pens, Independ Means' 99='Unknown'		
Employment status	EMPLOYSTAT	Employment status at time of admission	0='Student' 1='Employed' 2='Full Time Employment' 3='Part Time Employment' 4='Supporting Parent Pension' 5='Unemployment Benefit' 6='Pensioner (Undefined)' 7='Aged Pension' 8='Repatriation Pension' 9='Invalid Pension' 10='Other Pension/Benefit' 11='Sheltered Employment' 12='Sickness Benefit' 13='Home Duties' 14='Disability Pension' 15='Workers Compensation' 16='Veteran Affairs' 17='Carers Pension' 18='Homeless Allowance' 19='Self Employed' 20='Ward Of State' 21='Prisoner' 22='No Pension/Superannuation' 23='Child Not At School' 24='Retired' 25='Other'	1967-Present	Recording improves over time. (Maximum 40% missing from 1986).

Education Status	EDUCATION	Level of education achieved at time of admission	999='Unknown' 0='Never Attended School' 1='Attended Occupation Centre Only(Tech.)' 2='Primary Or Infants School(Yr 7)' 3='High School, No Certificate(Yr 8,9,10)' 4='High School, Achievement Cert.(Yr 10)' 5='High School, Matriculation(Yr 12, Tae, Tee)' 6='Tertiary Education, No Qualifications' 7='Obtained Tertiary Qualifications' 9='Not Known'	1967-Present	Recording worsens slightly over time. (At least 50% missing from 2002.)
Postcode	POSTCODE_OF_RES	Postcode of residence	Numeric (XXXX)	1966-Present	Completeness improves over time. At least 50% recorded from 1988.
Suburb	SUBURB_OF_RES	Suburb of residence	Text (character) length =50	1966-Present	Completeness increases over time. At least 67% recorded from 1998.
<b>SERVICE EVENT DATA</b>					
Primary Diagnosis Code	PRIMARY_DIAGNOSIS	Last known primary diagnosis code for episode as at contact date	International Classification of Diseases Codes (Version 9 to 10)	1966-Present	NA
Time of Contact	CONTTIME	Time of day contact began	HH:MM:SS eg. 18:30:00	2003-Present	Time stamp not available until PSOLIS.
Duration of Contact	DURATION	Length of time for service event	Numeric (0-XXX) eg. 60	1996-Present	N/A
Stream Type	STREAM_TYPE	Mental Health services grouped into Child & Adolescent, Adult, Seniors	1=CAMHS 2=ADULT 3=ELDERLY	1966-Present	N/A
Contact Type	CONTTYPE	Type of contact	1='Family' 2='DNA' 3='Liaison' 4='Travel' 5='Administration' 6='Clinical' 7='Client Related' 8='NOCC' 9='Undefined'	1996-Present	Not collected until LAMHIS system in 1996.
Venue of Contact	VENUES	Location where the contact occurred	101 = 'Clinic' 102 = 'Community Centre' 103 = 'Court'	1996-Present	Not collected until LAMHIS system in 1996.

			104 = 'Education Facility' 105 = 'Emergency Dept' 106 = 'Entertainment Venue' 107 = 'General Hospital' 108 = 'GP Surgery' 109 = 'Group Home' 110 = 'Home/Private Dwelling' 111 = 'Hostel' 112 = 'Inhouse School' 113 = 'Lockup' 114 = 'Nursing Home' 115 = 'Police Station' 116 = 'Prison' 117 = 'Psychiatric Hosp' 118 = 'Public Space' 119 = 'Rehab Centre' 120 = 'Hostel/group home' 121 = 'Other' 122 = 'Not Available' 999 = 'Not defined'		
Patient Present at Contact	PRESENT	Was the client present at the contact?	1=client present 2=client non present	1966-Present	N/A
Medium of Contact	MEDIUM	Medium in which the contact was delivered	1='FACE TO FACE' 2='BY PHONE' 3='BY VIDEOLINK' 4='NOT APPLICABLE' 5='FACE TO FACE' 6='BY PHONE' 7='BY VIDEOLINK' 8='NOT APPLICABLE'	2003-Present	Not collected until PSOLIS in 2003.
Referral To	DISCHARGE_CATEGORY	Referral to X at discharge	0='General Non Authorised Psych Unit (exc. Lodges)' 1='General Authorised Psych Unit (exc. Lodges)' 11='Senior Inpatient Units (Lodges)' 12='C&A Psychiatric Residential Unit' 13='Rehabilitation Residential Unit' 14='Community Accomodations Support Program' 16='Room-in unit' 20='W.A. State Teaching Hospital' 21='W.A. State Hospital - Metro' 22='W.A. State Hospital - Country' 23='W.A. Private Hospitals' 30='Forensic Services - Ambulatory' 39='Forensic Psychiatric Hospital Admission' 54='Referred only'	1969-Present	Poorly recorded. Most recorded in any year is 15%.

			55='Speech pathologist private' 56='Statistical discharge' 57='Correctional Facilities' 58='CTO' 59='HMDS referral codes only' 60='Adult Psychiatric outpatient clinic/program - Metro' 61='Adult Psychiatric outpatient clinic/program - Country' 62='Psychiatric Community Rehabilitation - Metro' 63='Psychiatric Community Rehabilitation - Country' 64='CAMHS Psychiatric Outpatient clinic/program - Metro' 65='CAMHS Psychiatric Outpatient clinic/program - Country' 66='P.E.T./Triage' 67='Psychiatric Services Specialists Services' 68='Psychiatric Hospital Occupation Therapy Services' 69='Psychiatric Adult Hospital Day Hospital' 70='Psychiatric CAMHS Day Hospital' 71='Psychiatric Elderly Day Hospital' 72='Psychiatric C&A residential community based programmes' 73='Seniors Psychiatric outpatient clinic/program - Rural' 74='Seniors Psychiatric outpatient clinic/program - Metro' 75='SARC' 76='W.A. Teaching Hospital psychiatric outpatients' 77='Waiting List' 78='Domiciliary/home nursing/careaide' 79='A.W.L.' 80='Nursing Home/Hostels' 81='Government Agencies' 82='Non Government agencies (NGO) residential services' 83='Non Government agencies (NGO) non-residential services' 84='Disability Services' 85='Aboriginal Medical Services' 86='Legal' 87='Womens Refuge' 88='Nursing Posts'	
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			89='Clinical Psychologists' 90='Social Worker' 91='Hospital Emergency' 92='Personal' 93='Doctors - not psychiatrists' 94='Psychiatrists' 95='Discharge referrals - outcomes' 96='Death' 97='Undefined' 98='Psychiatric residential respite stays' 99='Missing'		
Referral From	ADMISSION_CATEGORY	Referral from X at admission	Same list as DISCHARGE_CATEGORY above.	1969-Present	Poorly recorded. Most recorded in any year is 38%.
Outcome	OUTCOME	Treatment completed, referred to another service, client did not attend, ect.	1='TREATMENT HAS BEEN COMPLETED' 2='CLIENT HAS MOVED TO ANOTHER AREA' 3='CLIENT HAS BEEN REFERRED TO ANOTHER SERVICE' 4='OTHER REASONS' 5='PATIENT STOPPED COMING' 6='CLERICAL CLOSURE' 7='DID NOT ATTEND' 8='DIED' 9='NO IMPROVEMENT OR REGRESSION - STABLE' 10='ONE OFF ASSESSMENT' 11='MHIS RECORDING MANAGEMENT' 12='CLINIC CLOSED' 13='MHIS ADMINISTRATIVE TRANSFER'	1970-Present	Most complete from 1996-2006 (>90% recorded).
<b>STANDARD MENTAL HEALTH VARIABLES (released on all extracts of Mental Health data)</b>					
Date of Contact Subset CONTDATE	CONTDATE	Date of contact with ambulatory service	MMYYYY eg. JUN1999	1966-Present	N/A
Episode Start Date Subset EPISODE_START	EPISODE_START	Start date of episode (also called referral date)	MMYYYY eg. JUN1999	1966-Present	N/A
Episode End Date Subset EPISODE_END	EPISODE_END	End date of episode (also called discharge date)	MMYYYY eg. JUN1999	1966-Present	N/A
Health Professional Type	HPCAT	Category of health professional treating client	1='NURSING - CLINICAL' 2='MEDICAL - CLINICAL' 3='ALLIED HEALTH - CLINICAL' 4='CLERICAL - NON CLINICAL'	1966-Present	N/A



			5='INFORMATION TECHNOLOGY - NON CLINICAL' 6='OTHER - NON CLINICAL' 7='UNDEFINED HEALTH PROFESSIONAL' 8='SPECIAL PROGRAMS'		
Group or Non Group Flag of Contact	GROUP	Indicator of a Group or Single patient contact	1=Single client present 2=Group contact	1966-Present	N/A
Source of data	SOURCE	Source of the mental health data	FORMS LAMHIS PSOLIS	Used 1966-2004 Used 1996-2005 Used 2003-present	There is some overlap in data from these three sources.
<b>SENSITIVE VARIABLES REQUIRING JUSTIFICATION TO BE RELEASED</b>					
Date of Birth (full)	DOB	Date of Birth of client	DDMMYYYY eg. 22JUN1999	1966-Present	N/A
Unit of Contact	UNIT	Facility or Program where contact occurred	Numeric (0-XXXX) List of units provided on approval of this variable.	1966-Present	N/A
Date of Contact (full)	CONTDAT	Date of contact with ambulatory service	DDMMYYYY eg. JUN1999	1966-Present	Only available on LAMHIS & PSOLIS data. First day of month used as a dummy day with FORMS data.
Legal Status	MH_LEGAL	Mental health legal status	1=Involuntary (on a CTO at time of contact) 2=Voluntary	1966-Present	N/A
First Inpatient Date of Contact (full)	FIRST_INP_DATE	Date of first ever contact with inpatient services	DDMMYYYY eg. 22JUN1999	1966-Present	N/A
First Outpatient Date of Contact (full)	FIRST_OUTP_DATE	Date of first ever contact with ambulatory services	DDMMYYYY eg. 22JUN1999	1966-Present	N/A
Episode Start Date (full)	EPISODE_START	Start date of episode	DDMMYYYY eg. 22JUN1999	1966-Present	N/A
Episode End Date (full)	EPISODE_END	End date of episode	DDMMYYYY eg. 22JUN1999	1966-Present	N/A
<b>CONSUMER OUTCOME MEASURES</b>					
All of the NOCC datasets come with the following standard variables, followed by measure-specific items:	SEX YEAR_R MONTH_R AGE SETTING STREAM	Sex of client Year of NOCC review rating date Month of NOCC review rating date Age at review NOCC setting Stream	Values provided within a NOCC data information table at time of data handover.	N/A	N/A

	STATUS ASS_EPI1 ASS_COLL1 ASS_ID1 REASON VERSION	NOCC collection status Encrypted Assessment Episode Encrypted Assessment Collection Encrypted Assessment ID Reason for assessment Version of NOCC measure			
<b>HoNOS Family</b> HoNOS/HoNOS65+ HoNOSCA	ITEM_1 TO ITEM_12 ITEM_1 TO ITEM_15	Health of Nation Outcome Scales	Values for NOCC data items can be obtained from the technical specifications documentation available at: <a href="http://amhocn.org/">http://amhocn.org/</a>	2005-Present	
SDQ	ITEM_1 TO ITEM_42	Strengths and Difficulties Questionnaire		2005-Present	
CGAS	ITEM_1	Children's Global Assessment Scale		2005-Present	
LSP-16	ITEM_1 TO ITEM_16	an abbreviated version of the Life Skills Profile		2005-Present	
RUG-ADL	ITEM_1 TO ITEM_4	Resource Utilisation Groups – Activities of Daily Living Scale – for over 65's only		2005-Present	
Focus of Care	ITEM_1	Focus of Care		2005-Present	
FIHS	ITEM_1 TO ITEM_7	Factors influencing health status		2005-Present	
K-10+	ITEM_1 TO ITEM_14	Kessler-10 Plus		2005-Present	

**Supplementary notes:**

The following variables are recorded based on standards set out in the National Health Data Dictionary (NHDD) Version 14:

Sex  
Indigenous Status  
Country of Birth\*  
Marital Status

\*Note that country of birth codes are updated and mapped to the newest coding standards.

The implementation of PSOLIS was rolled-out across the mental health system gradually, which will account for some PSOLIS-only data fields to be missing for some organisations. The implementation dates for PSOLIS at the organisation level are:

<b>ORGANISATION NAME</b>	<b>IMPLEMENTATION DATE</b>
SMAHS - MH	01/05/2010
STATE INDIGENOUS SERVICE	01/01/2010
Royal Perth Psychiatry	27/01/2005
Rockingham & Kwinana MHS	02/11/2004
Fremantle MHS	02/11/2004
Armadale MHS	24/09/2004
Bunbury	30/08/2004
Warren Blackwood	30/08/2004
Vasse Leeuwin	30/08/2004
Bentley MHS	23/06/2004
North Metro - Subiaco	19/05/2004
Swan MHS	10/05/2004
GHS Neuroscience	10/05/2004
Joondalup/Clarkson	07/04/2004
Osborne	31/03/2004
Inner City MHS	12/03/2004
Graylands - CCI	12/03/2004
Creative Expression Centre for Arts Therapy	02/03/2004
Graylands - JSDU	04/02/2004
SCGH MHS	28/11/2003
Selby OAP	28/11/2003
State Forensic	24/11/2003
Kununurra	28/10/2003
Derby	16/10/2003
Broome	14/10/2003
Port Hedland	08/10/2003
Newman - Tom Price	07/10/2003
Karratha	01/10/2003
Wheatbelt MHS West	24/09/2003
Wheatbelt MHS East	24/09/2003
Carnarvon / Exmouth	08/09/2003
Geraldton	27/08/2003
Meekathara	27/08/2003
Kalgoorlie Boulder	12/08/2003
Esperance	04/08/2003
PMH & KEMH	03/03/2003
Narrogin	20/02/2003
Katanning	19/02/2003
Albany	13/02/2003