

Prevalence and Impact of Severe Mental Illness in the Australian Indigenous Population: A Comprehensive Review

Appendix A search terms **SMI**

“Severe mental” OR “psychiatric disord*” OR “mental disord*” OR “mental condit*” OR “serious mental ill*” OR bipolar OR schizo* OR psychosis OR psychotic OR melancholia OR manic OR “Dementia Praecox” OR “Schizophrenias, Catatonic” OR “Catatonic Schizophrenia*” OR “mania” OR “serious mental”

Aboriginal

“First Nation Australian*” OR Aborigin* OR “Indigenous Australian*” OR Torres-Strait OR “Torres Strait”

Prevalence

prevalen* OR incid*

Metabolic Syndrome

Cardio* OR metabol* OR hypertens* OR hyperlip* OR hypercholester* OR diabet* OR obes* OR insulin OR insulin-resist* OR “high cholesterol” OR “high blood pressure” OR overweight OR stroke* OR “vascular disease

Appendix B

Table S1. Information and description of studies included in the review

Study	Indigenous sample (n)	Study design	Sampling strategy	Demographic characteristics	Diagnosis of SMI	Types of SMI
Haysom et al. (2013)	151	Prospective cohort study	Eight juvenile justice centres and one high-security juvenile correctional centre in New South Wales, 08/2009-08/2010	Youths in custody	The Schedule for Affective Disorders and Schizophrenia for Children — Present and Lifetime Version (KSADS-PL) 2009	Lifetime psychological disorder
Heffernan et al. (2012)	419	Cross-sectional study	Queensland prisons, May and June 2008, interview	Self-identified as Indigenous and were incarcerated; prisons	Interview, Composite International Diagnostic Interview (CIDI), doctor diagnosed	Psychotic disorder: Schizophrenia, Substance-induced psychotic disorder, Schizoaffective disorder, Psychotic disorder (not otherwise specified), Any psychotic disorder;

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Gynther et al. (2019)	424	Retrospective cohort study	A clinical database that contains complete psychiatric records from 1992 to 2015, extracted for all Indigenous patients who received treatment for a psychotic disorder from the Remote Area Mental Health Service, and linked to the Queensland Deaths Registry.	Indigenous population (psychosis disorder); estimating the 12-month treated prevalence and incidence of psychosis we used data from the Indigenous population estimates for the Cape York and Torres Strait	Doctor diagnosed	Schizophrenia, schizoaffective disorder, delusional disorder, schizophreniform, drug- or alcohol-induced psychosis, depressive episode with psychotic symptoms, bipolar disorder with psychotic symptoms, and organic psychotic disorder.
Wand et al. (2009)	162	Retrospective observational study	NSW, the consultation—liaison psychiatry database of all referrals to the service from the general hospital and Emergency Department, 1 July 2004–30 June 2007	Referrals involved Indigenous Australians to C-L psychiatry service (all mental health patients)	Doctor diagnosed	Psychosis
Ogilvie et al. (2021)	2851	Population-based birth cohort study	Born in the Australian State of Queensland in 1990	Indigenous Australians and non-Indigenous Australians	Doctor diagnosed; ICD-10	Schizophrenia and other psychotic disorders, severe or psychotic affective disorders, psychotic disorders related to substance use

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Hunter et al. (2011)	170	Cross-sectional study	Remote communities of Cape York and the Torres Strait, in mid-2010	Indigenous Australians (all psychotic disorders patients).	Doctor diagnosed; ICD-10	Schizophrenia (62%), substance-related psychoses (24%), affective psychoses (8%) organic psychoses (3%), and brief reactive psychosis (3%).
Butler et al. (2007)	277	Cross-sectional study	29 correctional centres across NSW, 4 month period in 2001	Reception prisoners (those coming into prison following a court appearance); sentenced prisoners	Composite International Diagnostic Interview-Auto (CIDI-A) and a number of other screening measures incorporated into the program such as the Kessler Psychological Distress Scale (K-10) and a psychosis screener, ICD-10	Manic episode
Hunter et al. (2012)	171	Cross-sectional study	Clinical record; 2010; the Rural and Remote Area Mental Health Service (Queensland Health)	Indigenous; (all mental health patients)	Doctor diagnosed	Schizophrenia-related (106; 62.0%), substance use-related (39; 22.8%), mood disorder-related (14; 8.2%), organic-related (6; 4%) and acute and transient psychoses (6; 3.5%)

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Nasir et al. (2021)	544	Cross-sectional study	July 2014 and November 2016. The main outcome measure was the diagnosis of CMD as assessed by SCID-I; QLD and NSW	Indigenous ;(all mental health patients)	Doctor diagnosed	Bipolar disorders
Shepherd et al. (2018)	107	Cross-sectional study	International neuropsychiatric interview; VIC; suicidal behavior for Indigenous males in custody	Indigenous males in custody	Doctor diagnosed by DSM-IV and ICD-10	Psychotic disorder
Lloyd et al. (2017)	496	Retrospective cohort study	NSW; Mental Health Disorders and Cognitive Disability (MHDCD) linked dataset	Former prisoners; get into hospital admission	ICD-10	Schizophrenia, schizotypal and delusional disorders

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Adane et al. (2023)	38592	Retrospective population-based cohort study	WA singleton Aboriginal births from 1990 to 2015. Seven datasets obtained from routinely linked WA databases were used, namely the Hospital Morbidity Data Collection (HMDC), Mental Health Information System (MHIS), Midwives Notification System (MNS), WA Register of Developmental Anomalies, the Derived Aboriginal Status Flag and the WA Registry of Births, Deaths and Marriages.	Indigenous pregnant women. (mental health disorder)	ICD-10 ;ICD-9	SMI disorder
Foley et al. (2016)	56	Population-based cross-sectional study	The Australian National Survey of Psychosis. 2010.04-12 interviews and 2010.03 censuses	People with psychosis	ICD-10; clinical diagnosis	Schizoaffective disorder, bipolar disorder with psychotic features, depressive psychosis, delusional disorders, or other nonorganic psychoses vs schizophrenia
Ogilvie et al. (2022)	421	Retrospective population-	data derived from the Queensland Cross-sector	criminal justice systems, samples are all proven offenses	ICD-10	Schizophrenia, schizoaffective, and

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		based cohort study	Research Collaboration (QCRC);1990-2014;			other psychotic disorders
Meehan et al. (2019)	56	Register review, cohort study	Queensland Mental Health Benchmarking Unit and publicly funded, community and hospital-based residential rehabilitation programs in Queensland	Audit of QLD rehab programs, 2014 (2 weeks), community and hospital in-patients	Doctor diagnosis	Clinic diagnosis SMI
Valuri et al. (2021)	11,295	Retrospective cohort study	Western Australian Department of Corrective Services 1980 to 2001; Western Australian Mental Health Information System (WAMHIS), 1980 to 2009, people in WA born to mothers with psychotic disorders	Offenses people	Inpatient records and ICD-9	Schizophrenic psychoses, affective psychoses, paranoid states, and other nonorganic psychosis

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