

Supplementary Materials: Built environment features and cardiometabolic mortality and morbidity in remote Indigenous communities in the Northern Territory, Australia

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Table S1. EnRICH health outcomes documentation.

| Definition of health outcome measures |
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| <p>A. Individual de-identified comprehensive cardiometabolic disease and risk profile data from the Northern Territory (NT) Department of Health for the period 1 January 2010 to 31 December 2015, including:</p> <ol style="list-style-type: none"> 1) Inpatient Activity (diagnosis and procedures at a hospital) 2) Emergency Department Data Collection (presentation at a hospital emergency department) 3) Primary Health Care Collection (diagnosis/clinical assessment at primary health care centre) <p>B. De-identified mortality data from the Births, Deaths, and Marriages Office (NT Department of the Attorney-General and Justice) for the period 1 January 2010 to 31 December 2015.</p> <ol style="list-style-type: none"> 1) all-cause mortality, and 2) and cardiovascular-specific |
| <p>For A1 Inpatient Activity (<i>diagnosis and procedures at a hospital</i>), and A2 Emergency Department Data Collection (<i>presentation at a hospital emergency department</i>):</p> <p>Study population = all patients with ICD-10 diagnosis codes</p> <p>E11 Type 2 diabetes mellitus</p> <p>E16 Other disorders of pancreatic internal secretion</p> <p>E66 Obesity</p> <p>E78 Disorders of lipoprotein metabolism and other lipidaemias E88 Other metabolic disorders</p> <p>I10 Essential (primary) hypertension</p> <p>I11 Hypertensive heart disease</p> <p>I12 Hypertensive renal disease</p> <p>I13 Hypertensive heart and renal disease</p> <p>I15 Secondary hypertension</p> <p>I20 Angina pectoris</p> <p>I21 Acute myocardial infarction</p> <p>I22 Subsequent myocardial infarction</p> <p>I23 Certain current complications following acute myocardial infarction</p> <p>I24 Other acute ischaemic heart diseases</p> <p>I25 Chronic ischaemic heart disease</p> <p>I26 Pulmonary embolism</p> <p>I27 Other pulmonary heart diseases</p> <p>I28 Other diseases of pulmonary vessels</p> <p>I60 Subarachnoid haemorrhage</p> <p>I61 Intracerebral haemorrhage</p> <p>I62 Other nontraumatic intracranial haemorrhage</p> <p>I63 Cerebral infarction</p> <p>I64 Stroke, not specified as haemorrhage or infarction</p> <p>I65 Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction</p> <p>I66 Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction</p> |

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| <p>I67 Other cerebrovascular diseases</p> <p>I68 Cerebrovascular disorders in diseases classified elsewhere</p> <p>I69 Sequelae of cerebrovascular disease</p> <p>I70 Atherosclerosis</p> <p>I71 Aortic aneurysm and dissection</p> <p>I72 Other aneurysm and dissection</p> <p>I74 Arterial embolism and thrombosis</p> <p>I77 Other disorders of arteries and arterioles</p> <p>I79 Disorders of arteries, arterioles and capillaries in diseases classified elsewhere</p> <p>N00 Acute nephritic syndrome</p> <p>N01 Rapidly progressive nephritic syndrome</p> <p>N02 Recurrent and persistent haematuria</p> <p>N03 Chronic nephritic syndrome</p> <p>N04 Nephrotic syndrome</p> <p>N17 Acute renal failure</p> <p>N18 Chronic renal failure</p> <p>N19 Unspecified kidney failure</p> <p>Inpatient Activity coded for patient unique ID, DOB, gender, Indigenous status, Community name (suburb or locality) as text (usual or most recent residence), discharge date, all discharge diagnoses – ICD-coded, all discharge diagnoses – text, ICD version number.</p> <p>Emergency Department Data Collection coded for patient unique ID, DOB, gender, Indigenous status, Community name (suburb or locality) as text (usual or most recent residence), presentation diagnosis date, presentation diagnosis – ICD-coded, ICD version number.</p> |
| <p>For A3 Primary Health Care Collection (<i>diagnosis/clinical assessment at primary health care centre</i>)</p> <p>Study population = ICPC Diagnosis code relating to cardiometabolic and behavioural risk factors</p> <p>ICPC-2 Rubric including ICPC-2 PLUS codes where indicated (ICPC-2 Rubric label)</p> <p>T89 (Diabetes; insulin-dependent)</p> <p>T90 (Diabetes; non-insulin-dependent)</p> <p>W85 (Gestational diabetes)</p> <p>K85 (Elevated blood pressure (without hypertension))</p> <p>K86 (Hypertension; uncomplicated)</p> <p>K87 including ICPC-2 PLUS codes W81002-W81003 (Hypertension; complicated)</p> <p>K74 (Ischaemic heart disease with angina)</p> <p>K76 (Ischaemic heart disease without angina)</p> <p>A34005 (Test; C reactive protein)</p> <p>D34005 (Test; aspartate aminotransferase)</p> <p>K34003 (Test; cardiac enzymes)</p> <p>K34004 (Test; creatine kinase)</p> <p>T34010 (Test; HbA1c)</p> <p>T34017 (Test; fructosamine)</p> <p>T34022 (Test; HBA1)</p> <p>T34005 (Test; glucose)</p> <p>T34009 (Test; glucose tolerance)</p> <p>T34023 (Test; glucose (fasting/random))</p> |

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| <p> T34025 (Test; glucose; fasting) T34026 (Test; glucose; random) B34026 (Test; fibrinogen) K86 (Hypertension; uncomplicated) K87 (Hypertension; complicated) K74 (Ischaemic heart disease with angina) K75 (Acute myocardial infarction) K76 (Ischaemic heart disease without angina) T93 including ICPC-2 PLUS codes T99075 (Lipid disorder) T82 (Obesity) T83 (Overweight) K84017 (Cardiomyopathy; primary) K84034 (Cardiomyopathy; secondary) K84035 (Cardiomyopathy; congestive) K84036 (Cardiomyopathy; restrictive) K84037 (Cardiomyopathy; hypertrophic) K84041 (Cardiomyopathy) K74 (Ischaemic heart disease with angina) K75 (Acute myocardial infarction) K76 (Ischaemic heart disease without angina) K77 (Heart failure) K78 (Atrial fibrillation/flutter) K79 (Paroxysmal tachycardia) K80 (Cardiac arrhythmia NOS) K83 (Heart valve disease NOS) K84 including ICPC-2 PLUS codes K03001 - K99032 (Heart disease, other) K06 (Prominent; veins) K22 (Risk factor; cardiovascular disease) K85 (Elevated blood pressure) K86 (Hypertension, uncomplicated) K87 (Hypertension, complicated) K88 (Postural hypotension) K92 (Atherosclerosis/peripheral vascular disease) K93 (Pulmonary embolism) K94 (Phlebitis/thrombophlebitis) K89 (Transient cerebral ischaemia) K90 (Stroke/cerebrovascular accident) K91 (Cerebrovascular disease) W85 (Gestational diabetes) </p> <p> Primary Health Care Collection coded for patient unique ID, current age, diagnosis date, Indigenous status, usual clinic name (attributed to suburb/locality and aggregated to form community-level outcomes), suburb/locality associated with clinic, residency status (resident, visitor, or tourist), ICPC Diagnosis code. </p> |

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| Definition of health outcome measures |
| For B Territory-wide Mortality data |
| <ol style="list-style-type: none">1) all-cause mortality (see: http://apps.who.int/classifications/icd10/browse/2010/en)2) cardiovascular-specific mortality, including:<ul style="list-style-type: none">• ischaemic heart disease (ICD-10 codes I20–I25)• cerebrovascular disease (ICD-10 codes I60–I69), and• diseases of the arteries, arterioles and capillaries (ICD-10 codes I70–I78) |