

Supplementary Material

A systematic review on assessment and management of preventive cardiovascular care in primary health for Aboriginal and Torres Strait Islander women and men

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Supplementary file

Full electronic search strategy

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| PubMed | <p>(((((((((australia[mh] OR australian[tiab] OR australia*[tiab]) AND (oceanic ancestry group[mh] OR aborigin*[tiab] OR indigenous[tw]) OR (torres strait* AND islander*[tiab]))) OR (((au[ad] OR australia*[ad] OR australia*[tiab] OR northern territory[tiab] OR northern territory[ad] OR tasmania[tiab] OR tasmania[ad] OR new south wales[tiab] OR new south wales[ad] OR victoria[tiab] OR victoria[ad] OR queensland[tiab] OR queensland[ad]) AND (aborigin*[tiab] OR indigenous[tiab])) OR (torres strait* AND islander*[tiab]))) AND ((((((women) OR woman) OR female*) OR gender)) OR ((((((female[Title/Abstract]) OR women*[Title/Abstract]) OR woman*[Title/Abstract]) OR sex*[Title/Abstract]) OR gender*[Title/Abstract])) OR (((("Women"[Mesh]) OR "Female"[Mesh]) OR "Women's Health"[Mesh]) OR "Sex Characteristics"[Mesh]) OR "Sex Factors"[Mesh]))) AND ((("Cardiovascular Diseases"[Mesh]) OR (((((((Cardiovascular[Title/Abstract] (Vascular*[Title/Abstract]) OR heart*[Title/Abstract]) OR cardiac*[Title/Abstract] OR cardio*[Title/Abstract]) OR cerebrovascul*[Title/Abstract]) OR stroke[Title/Abstract]) OR coronar*[Title/Abstract] OR ischaem*[Title/Abstract]))) AND (((((((("Risk Factors"[Mesh]) OR "Protective Factors"[Mesh]) OR "Causality"[Mesh]) OR "Epidemiologic Factors"[Mesh]) OR "Social Determinants of Health"[Mesh]) OR "Cardiovascular Diseases/prevention and control"[Mesh])) OR (((((((risk[Title/Abstract]) OR protect*[Title/Abstract]) OR risk predict*[Title/Abstract]) OR risk factor*[Title/Abstract]) OR biomarker*[Title/Abstract]) OR social determinant*[Title/Abstract]) OR causal*[Title/Abstract]) OR prevent*[Title/Abstract])) OR (((("Hospitalization"[Mesh]) OR "Mortality"[Mesh]) OR "Morbidity"[Mesh])) OR (((((((morbid*[Title/Abstract]) OR mortality[Title/Abstract]) OR hospitali*[Title/Abstract]) OR prevalence[Title/Abstract]) OR MACE[Title/Abstract] OR major adverse cardiovascular event[Title/Abstract] OR major adverse cardiac event[Title/Abstract]))) OR (((((((("Preventive Health Services"[Mesh]) OR "Risk Assessment"[Mesh]) OR "Primary Health Care"[Mesh]) OR "Guideline Adherence"[Mesh]) OR "Disease Management"[Mesh])) OR (((((((risk assess*[Title/Abstract]) OR risk manage*[Title/Abstract]) OR primary health care[Title/Abstract]) OR absolute cardiovascular risk assess*[Title/Abstract]) OR prevent*[Title/Abstract]) OR primary health*[Title/Abstract]) OR primary care*[Title/Abstract]) OR health promot*[Title/Abstract]) OR quality improvement[Title/Abstract]))) AND English[Language]) AND ("2010/01/01"[Date - Publication] : "2020/06/30"[Date - Publication])</p> |
| Embase, PhychInfo, Emcare (formerly | <p>(Australia.mh. or Australia*.ab. or Australia*.ti. or Australia*.kw. or Australia.cq.ad. or "northern territory".ab. or "northern territory".ti. or "northern territory".kw. or "northern territory".cq.ad. or tasmania.ab. or tasmania.ti. or tasmania.cq.ad. or tasmania.kw. or "new south wales".ab. or "new south wales".ti. or "new south wales".cq.ad. or "new south</p> |

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| CINAHL) | <p>wales".kw. or victoria.ab. or victoria.ti. or victoria.cq,ad. or victoria.kw. or queensland.ab. or queensland.ti. or queensland.cq,ad. or queensland.kw.) AND (oceanic ancestry group.mh. or Indigenous.ti. or Indigenous.ab. or Indigenous.kw. or aborigin*.ti. or aborigin*.ab. or aborigin*.kw. or (torres strait* and islander*).ti. or (torres strait* and islander*).ab. or (torres strait* and islander*).kw.) AND ((Women or Female or Women's Health or "Sex Characteristics" or "Sex Factors").mh. or women.ti. or women.ab. or women.kw. or women.tw. or female*.ti. or female*.ab. or female*.kw. or female*.tw. or gender.ti. or gender.ab. or gender.kw. or gender.tw. or woman*.ti. or woman*.ab. or woman*.kw. or woman*.tw. or sex.ti. or sex.ab. or sex.kw. or sex.tw.) AND (Cardiovascular Diseases.mh. or Cardiovascular.ti. or Cardiovascular.ab. or Cardiovascular.kw. or Vascular*.ti. or Vascular*.ab. or Vascular*.kw. or heart*.ti. or heart*.ab. or heart*.kw. or cardiac*.ti. or cardiac*.ab. or cardiac*.kw. or cardio*.ti. or cardio*.ab. or cardio*.kw. or cerebrovascul*.ti. or cerebrovascul*.ab. or cerebrovascul*.kw. or stroke.ti. or stroke.ab. or stroke.kw. or coronar*.ti. or coronar*.ab. or coronar*.kw. or ischaem*.ti. or ischaem*.ab. or ischaem*.kw.) AND (((("Risk Factors" or "Protective Factors" or "Causality" or "Epidemiologic Factors" or "Social Determinants of Health" or "Cardiovascular Diseases prevention and control").mh. or risk.ti. or risk.ab. or risk.kw. or protect*.ti. or protect*.ab. or protect*.kw. or risk predict*.ti. or risk predict*.ab. or risk predict*.kw. or risk factor*.ti. or risk factor*.ab. or risk factor*.kw. or biomarker*.ti. or biomarker*.ab. or biomarker*.kw. or social determinant*.ti. or social determinant*.ab. or social determinant*.kw. or causal*.ti. or causal*.ab. or causal*.kw. or prevent*.ti. or prevent*.ab. or prevent*.kw.) OR ((Hospitalization or Mortality or Morbidity).mh. or morbid*.ti. or morbid*.ab. or morbid*.kw. or mortality.ti. or mortality.ab. or mortality.kw. or hospitali*.ti. or hospitali*.ab. or hospitali*.kw. or prevalence.ti. or prevalence.ab. or prevalence.kw. or MACE.ti. or MACE.ab. or MACE.kw. or "major adverse cardiovascular event".ti. or "major adverse cardiovascular event".ab. or "major adverse cardiovascular event".kw. or "major adverse cardiac event".ti. or "major adverse cardiac event".ab. or "major adverse cardiac event".kw.) OR ((Preventive Health Services or Risk Assessment or Primary Health Care).mh. or Guideline Adherence.ti. or Disease Management.ab. or "risk assess*".kw. or "risk assess*".ti. or "risk assess*".ab. or "risk manage*".kw. or "risk manage*".ti. or "risk manage*".ab. or "primary health care".kw. or "primary health care".ti. or "primary health care".ab. or "absolute cardiovascular risk assess*".kw. or "absolute cardiovascular risk assess*".ti. or "absolute cardiovascular risk assess*".ab. or prevent*.kw. or prevent*.ti. or prevent*.ab. or "primary health*".kw. or "primary health*".ti. or "primary health*".ab. or "primary care*".kw. or "primary care*".ti. or "primary care*".ab. or " health promot*".kw. or " health promot*".ti. or " health promot*".ab. or "quality improvement".kw. or "quality improvement".ti. or "quality improvement".ab.)) AND limit to english language AND limit to yr="2010 - 2020"</p> |
| Scopus | <p>(TITLE-ABS-KEY (australia) OR TITLE-ABS-KEY ("northern territory") OR TITLE-ABS-KEY (tasmania) OR TITLE-ABS-KEY ("new south wales") OR TITLE-ABS-KEY (victoria) OR TITLE-ABS-KEY (queensland)) AND (TITLE-ABS-KEY (indigenous)</p> |

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| | <p>OR TITLE-ABS-KEY (aborigin*) OR TITLE-ABS-KEY ("torres strait* and islander*")) AND (TITLE-ABS-KEY (women*) OR TITLE-ABS-KEY (woman*) OR TITLE-ABS-KEY (female*) OR TITLE-ABS-KEY (sex) OR TITLE-ABS-KEY (gender) OR TITLE-ABS-KEY ("Women's Health") OR TITLE-ABS-KEY ("Sex Characteristics") OR TITLE-ABS-KEY ("Sex Factors")) AND (TITLE-ABS-KEY (cardiovascular AND disease*) OR TITLE-ABS-KEY (cardiovascular*) OR TITLE-ABS-KEY (vascular*) OR TITLE-ABS-KEY (heart*) OR TITLE-ABS-KEY (cardiac*) OR TITLE-ABS-KEY (cardio*) OR TITLE-ABS-KEY (cerebrovascul*) OR TITLE-ABS-KEY (stroke) OR TITLE-ABS-KEY (coronar*) OR TITLE-ABS-KEY (ischaem*)) AND ((TITLE-ABS-KEY ("Risk Factor*") OR TITLE-ABS-KEY ("Protective Factor*") OR TITLE-ABS-KEY (causal*) OR TITLE-ABS-KEY ("Epidemiologic Factor*") OR TITLE-ABS-KEY ("Social Determinants of Health") OR TITLE-ABS-KEY (risk) OR TITLE-ABS-KEY (protect*) OR TITLE-ABS-KEY (predict*) OR TITLE-ABS-KEY (biomarker*) OR TITLE-ABS-KEY ("social determinant*") OR TITLE-ABS-KEY (prevent*)) OR (TITLE-ABS-KEY ("Preventive Health Service*") OR TITLE-ABS-KEY ("Risk Assess*") OR TITLE-ABS-KEY ("Primary Health Care*") OR TITLE-ABS-KEY ("Guideline Adherence*") OR TITLE-ABS-KEY ("Disease Manage*") OR TITLE-ABS-KEY ("absolute cardiovascular risk assess*") OR TITLE-ABS-KEY (prevent*) OR TITLE-ABS-KEY ("Primary health*") OR TITLE-ABS-KEY ("primary care*") OR TITLE-ABS-KEY ("health promot*") OR TITLE-ABS-KEY ("quality improvement"))) OR (TITLE-ABS-KEY (hospitali*) OR TITLE-ABS-KEY (mortality) OR TITLE-ABS-KEY (morbid*) OR TITLE-ABS-KEY (prevalence) OR TITLE-ABS-KEY (mace) OR TITLE-ABS-KEY ("major adverse cardiac event") OR TITLE-ABS-KEY ("major adverse cardiovascular event"))) AND (LIMIT-TO (PUBYEAR , 2010) OR LIMIT-TO (PUBYEAR , 2011) OR LIMIT-TO (PUBYEAR , 2012) OR LIMIT-TO (PUBYEAR , 2013) OR LIMIT-TO (PUBYEAR , 2014) OR LIMIT-TO (PUBYEAR , 2015) OR LIMIT-TO (PUBYEAR , 2016) OR LIMIT-TO (PUBYEAR , 2017) OR LIMIT-TO (PUBYEAR , 2018) OR LIMIT-TO (PUBYEAR , 2019) OR LIMIT-TO (PUBYEAR , 2020)) AND (LIMIT-TO (LANGUAGE , "English"))</p> |
| Web of Science | <p>((((TS=(torres strait* AND AB islander*) OR TS=(aborigin*) OR TS=(indigenous)) AND (CU=("Australia") OR TS=(australia*) OR TS=("northern territory") OR TS=(queensland) OR TS=("new south wales") OR TS=(victoria) OR TS=(tasmania) OR PS=("northern territory") OR PS=(queensland) OR PS=("new south wales") OR PS=(victoria) OR PS=(tasmania) OR PS=(Australia*))) AND (WC=("Cardiac & Cardiovascular Systems") OR TS=(cardiovascular) OR TS=(vascular*) OR TS=(heart*) OR TS=(cardiac*) OR TS=(cardio*) OR TS=(cerebrovascul*) OR TS=(stroke) OR TS=(coronar*) OR TS=(ischaem*)) AND (WC=("Behavioral Sciences") OR TS=(Female) OR TS=(woman*) OR TS=(women*) OR TS=(gender) OR TS=(sex)) AND ((TS=("risk assess*") OR TS=("clinical assessment tool*") OR TS=(assess*) OR TS=(risk manage*) OR TS=("primary health care") OR TS=("Primary health*") OR TS=("guideline adherence")</p> |

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| | <p>OR TS=("Primary care") OR TS=("disease manage*") OR TS=("absolute cardiovascular risk assess*") OR TS=(prevent*) OR TS=("health promot*") OR TS=("quality improvement")) OR (TS=(hospitali*) OR TS=(mortality) OR TS=(morbid*) OR TS=(prevalence) OR TS=(MACE) OR TS=("major adverse cardiac event") OR TS=("major adverse cardiovascular event")) OR (TS=("risk factor*") OR TS=("risk behaviour*") OR TS=("sex factor*") OR TS=("social determinant* of health") OR TS=(risk) OR TS=("protective factor*") OR TS=(protect*) OR TS=(biomarker*) OR TS=("social determinant*") OR TS=(causal*) OR TS=(prevent*) OR TS=(predict*)))) AND LANGUAGE: (English)</p> <p>Timespan: 2010-2020. Indexes: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI, CCR-EXPANDED, IC.</p> |
| <p>Australian Indigenous Health Bulletin</p> | <p>Health topic: CVD Women OR Health topic: Alcohol CVD OR Health topic: Cultural ways CVD OR Health topic: Deaths CVD OR Health topic: CVD Environmental health OR Health topic: CVD Health promotion OR Health topic:CVD Hospitalisation OR Health topic: CVD Illicit drugs OR Health topic: CVD Kidney health OR Health topic: CVD Maternal Smoking OR Health topic: CVD Nutrition OR Health topic: CVD Oral health OR Health topic: CVD Other chronic conditions OR Health topic: CVD Overweight and obesity OR Health topic: CVD Physical activity OR Health topic: CVD Social and emotional wellbeing OR Health topic: CVD Social issues OR Health topic: CVD Tobacco; Date: after 1/1/2010</p> |
| <p>ATSIHealth via Informit Online</p> | <p>(SUBJECT:"risk assess*" OR TI:"risk assess*" OR SUBJECT:"risk manage*" OR TI:"risk manage*" OR SUBJECT:risk* OR TI:risk*OR SUBJECT:"primary health*" OR TI:"primary health*" OR SUBJECT:"primary care*" OR TI:"primary care*" OR SUBJECT:"absolute cardiovascular risk assess*" OR TI:"absolute cardiovascular risk assess*" OR SUBJECT:prevent* OR TI:prevent*OR SUBJECT:"health promot*" OR TI:"health promot*" OR SUBJECT:"quality improvement" OR TI:"quality improvement" OR OR SUBJECT:hospitali* OR TI:hospitali* OR SUBJECT:mortality OR TI:mortality OR SUBJECT:morbid* OR TI:morbid OR SUBJECT:prevalence OR TI:prevalence OR SUBJECT:"major adverse cardiac event" OR TI:"major adverse cardiac event" OR SUBJECT:"major adverse cardiovascular event" OR TI:"major adverse cardiovascular event" OR SUBJECT:MACE OR TI:MACE OR OR SUBJECT:risk* OR TI:risk* OR SUBJECT:"risk factor*" OR TI:"risk factor*" OR SUBJECT:"social determinant*" OR TI:"social determinant*" OR SUBJECT:protect* OR TI:protect* OR SUBJECT:"prtective factor*" OR TI:"protective factor*" OR SUBJECT:biomarker* OR TI:biomarker* OR SUBJECT:prevent* OR TI:Prevent* OR SUBJECT:predict* OR TI:predict*) AND (SUBJECT:"cardiovascular disease*" OR TI:"cardiovascular disease*" OR SUBJECT:"cardiovascular*" OR TI:"cardiovascular*" OR SUBJECT:"vascular*" OR TI:"vascular*" OR SUBJECT:heart* OR TI:heart* OR SUBJECT:cardiac* OR TI:cardiac* OR SUBJECT:cardio* OR TI:cardio* OR SUBJECT:cerebrovascular* OR TI:cerebrovascular* OR SUBJECT:stroke OR TI:stroke OR SUBJECT:coronar* OR TI:coronar* OR SUBJECT:ischaem* OR TI:ischaem*) AND (sex OR gender OR female OR</p> |

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| | woman OR women) Year range_ 2010-2020 |
| ProQuest | (su(woman OR gender OR sex OR female OR women) OR ti(female* OR woman* OR women* OR gender OR sex OR women's health OR sex characteristics) OR ab(female* OR woman* OR women* OR gender OR sex OR women's health OR sex characteristics)) AND (su("cardiovascular disease" OR "heart health" OR "cardiovascular system" OR "cerebrovascular disease" OR "cerebrovascular diseases" OR "cerebrovascular system" OR "cardiovascular diseases" OR "stroke" OR "heart" OR "cardiovascular disease treatment" OR "cardiovascular treatment" OR "cardiovascular intervention" OR "heart disease" OR "stroke prediction" OR "cardiovascular systems" OR "stroke risk" OR "stroke risk prediction" OR "stroke prevention") OR ti(Cardiovascular OR Vascular* OR heart* OR cardiac* OR cardio* OR cerebrovascul* OR stroke OR coronar* OR ischaem*) OR ab(Cardiovascular OR Vascular* OR heart* OR cardiac* OR cardio* OR cerebrovascul* OR stroke OR coronar* OR ischaem*)) AND (su(tasmania* OR victoria OR queensland OR australia* OR "Northern Territory" OR "new south wales") OR ti(tasmania* OR victoria OR queensland OR australia* OR "Northern Territory" OR "new south wales") OR ab(tasmania* OR victoria OR queensland OR australia* OR "Northern Territory" OR "new south wales")) AND (su("indigenous people" OR "australian aboriginal" OR "oceanic ancestry group" OR "australian aborigines" OR "aborigines" OR "torres straits islands" OR "indigenous populations" OR "aboriginal and torres strait islander commission" OR "torres strait islands" OR "aboriginal australians" OR "indigenous" OR "indigenous women" OR "aboriginal people" OR "aboriginal peoples" OR "indigenous peoples" OR "australian aborigine") OR ti(aborigin* OR indigenous OR "torres strait* island*") OR ab(aborigin* OR indigenous OR "torres strait* island*")) AND ((su("risk assessment" OR "risk management" OR "preventive health services" OR "guideline adherence" OR "primary health care" OR "health promotion" OR "disease management") OR ti("risk assess*" OR "risk manage*" OR "primary health care" OR "absolute cardiovascular risk assess*" OR prevent* OR "primary health*" OR "primary care*" OR "health promot*" OR "quality improvement") OR ab("risk assess*" OR "risk manage*" OR "primary health care" OR "absolute cardiovascular risk assess*" OR prevent* OR "primary health*" OR "primary care*" OR "health promot*" OR "quality improvement")) OR (su("hospitalized" OR "prevalence" OR "mortality risks" OR "hospitalization" OR "mortality" OR "mortality causes" OR "morbidity" OR "morbidity-mortality" OR "mortality risk" OR "mortality factors") OR ti("major adverse cardiovascular event*" OR MACE OR hospitali* OR mortality OR morbid* OR "major adverse cardiac event*") OR ab("major adverse cardiovascular event*" OR MACE OR hospitali* OR mortality OR morbid* OR "major adverse cardiac event*")) OR (su("risk reduction" OR "risk factors" OR "social determinants of health" OR "epidemiologic factors" OR "risk adjustment" OR "protective factors" OR "risk factor modification" OR "causality" OR "disease prevention" OR "risk prediction" OR "risk behaviour" OR "risk" OR "disease prevention & control" OR "causality; female; humans; social perception; socioeconomic factors" OR |

"prevention") OR ti(biomarker* OR social determinant* OR causal* OR prevent* OR risk OR protect* OR risk predict* OR risk factor*) OR ab(biomarker* OR social determinant* OR causal* OR prevent* OR risk OR protect* OR risk predict* OR risk factor*))

Additional limits - Date: After 01 January 2010

Results of the methodological and Aboriginal and Torres Strait Islander cultural and contextual relevance and validity appraisal

Aboriginal and Torres Strait Islander Quality Appraisal Tool (Harfield et al. 2020)

1. Did the research respond to a need or priority determined by the community?
2. Was community consultation and engagement appropriately inclusive?
3. Did the research have Aboriginal and Torres Strait Islander research leadership?
4. Did the research have Aboriginal and Torres Strait Islander governance?
5. Were local community protocols respected and followed?
6. Did the researchers negotiate agreements in regards to rights of access to existing Aboriginal and Torres Strait Islander peoples' intellectual and cultural property?
7. Did the researchers negotiate agreements to protect the intellectual and cultural property of Aboriginal and Torres Strait Islander peoples created through the research?
8. Did Aboriginal and Torres Strait Islander peoples and communities have control over the collection and management of research materials?
9. Was the research guided by an Indigenous research paradigm?
10. Does the research take a strength based approach, acknowledging and moving beyond practices that have harmed Aboriginal and Torres Strait peoples in the past?
11. Did the researchers plan and translate the findings into sustainable changes in policy and/or practice?
12. Did the research benefit the participants and Aboriginal and Torres Strait Islander communities?
13. Did the research demonstrate capacity strengthening for Aboriginal and Torres Strait Islander individuals?
14. Did everyone involved in the research have opportunities to learn from each other?

| Paper reference (1 st author, year / title) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| Crinall <i>et al.</i> (2016) Cardiovascular disease risk in young Indigenous Australians: a snapshot of current preventive health care | ✓ | ✓ | ✓ | - | ? | ? | ? | ✓ | X | ✓ | ✓ | ✓ | ✓ | ? |
| Hoy <i>et al.</i> (2014) Evidence for improved patient management through electronic patient records at a central Australian Aboriginal health service | ✓ | ✓ | ? | ? | ✓ | ✓ | ✓ | ✓ | X | ✓ | ✓ | ✓ | ? | ? |
| Panaretto <i>et al.</i> (2013) Prevention and management of chronic disease in Aboriginal and Islander community controlled health services in Queensland: a quality improvement study assessing change in selected clinical performance indicators over time in a cohort of services | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | ✓ | X | ✓ | ✓ | ✓ | ✓ | ? |
| Stewart <i>et al.</i> (2012) The risk status, screening history and health concerns of Aboriginal and Torres Strait Islander people attending an Aboriginal community controlled health service | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | ✓ | X | ✓ | ✓ | ✓ | ✓ | ? |
| Australian Institute of Health and Welfare (2019b) National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results to June 2018 | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |
| Australian Institute of Health and Welfare (2018b) National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results for 2017 | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |
| Australian Institute of Health and Welfare (2017) | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |

| Paper reference (1st author, year / title) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results from June 2016 | | | | | | | | | | | | | | |
| Australian Institute of Health and Welfare (2015d) National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results from December 2014 | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |
| Australian Institute of Health and Welfare (2014) National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results from December 2013 | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |
| Australian Institute of Health and Welfare (2019a) Better cardiac care measures for Aboriginal and Torres Strait Islander people: fourth national report 2018–19 | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |
| Australian Institute of Health and Welfare (2018a) Better cardiac care measures for Aboriginal and Torres Strait Islander people: third national report | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |
| Australian Institute of Health and Welfare (2016) Better cardiac care measures for Aboriginal and Torres Strait Islander people: second national report 2016 | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |
| Australian Institute of Health and Welfare (2015b) Better cardiac care measures for Aboriginal and Torres Strait Islander people: first national report 2015 | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |
| Australian Institute of Health and Welfare (2015a) | ? | ? | ? | ? | ? | ? | ? | ? | X | - | - | - | X | ? |

| Paper reference (1 st author, year / title) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| Aboriginal and Torres Strait Islander health performance framework 2014 report: detailed analyses | | | | | | | | | | | | | | |
| Hyan <i>et al.</i> (2017) Gender inequalities in cardiovascular risk factor assessment and management in primary healthcare | ? | ? | ? | ? | ? | ? | ? | ? | X | ✓ | - | ? | ? | ? |
| Matthews <i>et al.</i> (2017) Integrated clinical decision support systems promote absolute cardiovascular risk assessment: an important primary prevention measure in Aboriginal and Torres Strait Islander primary health care | ✓ | ✓ | ✓ | - | ? | ? | ? | ✓ | X | ✓ | ✓ | ✓ | ✓ | ? |

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|----|----------------|
| ✓ | Yes |
| - | Partially |
| X | No |
| ? | Unclear |
| NA | Not applicable |

Joanna Briggs Institute critical appraisal checklist for quasi-experimental studies (Aromataris and Munn 2020)

1. Is it clear in the study what is the ‘cause’ and what is the ‘effect’ (i.e. there is no confusion about which variable comes first)?
2. Were the participants included in any comparisons similar?
3. Were the participants included in any comparisons receiving similar treatment/care, other than the exposure or intervention of interest?
4. Was there a control group?
5. Were there multiple measurements of the outcome both pre and post the intervention/exposure?
6. Was follow up complete and if not, were differences between groups in terms of their follow up adequately described and analyzed?
7. Were the outcomes of participants included in any comparisons measured in the same way?
8. Were outcomes measured in a reliable way?
9. Was appropriate statistical analysis used?

| Paper reference (1st author, year / title) | Study type | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Hoy <i>et al.</i> (2014) Evidence for improved patient management through electronic patient records at a central Australian Aboriginal health service | Quasi-experimental | ✓ | ✓ | ? | ✓ | X | ✓ | ✓ | ✓ | ✓ |
| Panaretto <i>et al.</i> (2013) Prevention and management of chronic disease in Aboriginal and Islander community controlled health services in Queensland: a quality improvement study assessing change in selected clinical performance indicators over time in a cohort of services | Quasi-experimental | ✓ | - | ? | X | X | ? | ✓ | ✓ | ✓ |

Joanna Briggs Institute critical appraisal checklist for analytical cross sectional studies (Aromataris and Munn 2020)

1. Were the criteria for inclusion in the sample clearly defined?
2. Were the study subjects and the setting described in detail?
3. Was the exposure measured in a valid and reliable way?
4. Were objective, standard criteria used for measurement of the condition?
5. Were confounding factors identified?
6. Were strategies to deal with confounding factors stated?
7. Were the outcomes measured in a valid and reliable way?
8. Was appropriate statistical analysis used?

| Paper reference (1st author, year / title) | Study type | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Crinall <i>et al.</i> (2016) Cardiovascular disease risk in young Indigenous Australians: a snapshot of current preventive health care | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Stewart <i>et al.</i> (2012) The risk status, screening history and health concerns of Aboriginal and Torres Strait Islander people attending an Aboriginal community controlled health service | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Australian Institute of Health and Welfare (2019b) National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results to June 2018 | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Australian Institute of Health and Welfare (2018b) National key performance indicators for Aboriginal and Torres Strait Islander | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |

| Paper reference (1st author, year / title) | Study type | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| primary health care: results for 2017 | | | | | | | | | |
| Australian Institute of Health and Welfare (2017) National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results from June 2016 | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Australian Institute of Health and Welfare (2015d) National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results from December 2014 | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Australian Institute of Health and Welfare (2014) National key performance indicators for Aboriginal and Torres Strait Islander primary health care: results from December 2013 | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Australian Institute of Health and Welfare (2019a) Better cardiac care measures for Aboriginal and Torres Strait Islander people: fourth national report 2018–19 | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Australian Institute of Health and Welfare (2018a)..... Better cardiac care measures for Aboriginal and Torres Strait Islander people: third national report | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Australian Institute of Health and Welfare (2016) Better cardiac care measures for Aboriginal and Torres Strait Islander people: second national report 2016 | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |
| Australian Institute of Health and Welfare (2015b) Better cardiac care measures for Aboriginal and Torres Strait Islander people: first | Cross-sectional | ✓ | ✓ | NA | ✓ | ✓ | X | ✓ | ✓ |

