
E Health preface

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Attachment tables

Attachment tables are identified in references throughout this Indigenous Compendium by an 'A' suffix (for example, in this preface, table EA.3). As the data are directly sourced from the 2011 Report, the Compendium also notes where the original table, figure or text in the 2011 Report can be found. For example, where the Compendium refers to '2011 Report, p. E.15' this is page 15 of the Health preface (preface E) of the 2011 Report, and '2011 Report, table EA.2' is attachment table 2 of attachment EA of the 2011 Report. A full list of attachment tables is provided at the end of this chapter, and the attachment tables are available from the Review website at www.pc.gov.au/gsp.

The Health preface in the *Report on Government Services 2011* (2011 Report) provides contextual information about health services in Australia. Reporting in the Health preface includes some data for Indigenous people — those data are compiled and presented here.

Health services are concerned with promoting, restoring and maintaining a healthy society. They involve illness prevention, health promotion, the detection and treatment of illness and injury, and the rehabilitation and palliative care of individuals who experience illness and injury. Broadly defined, the health system also includes a range of activities that raise awareness of health issues, thereby reducing the risk and onset of illness and injury.

Health services in Australia are delivered by a variety of government and non-government providers in a range of service settings (box E.1). The 2011 Report primarily concentrates on the performance of public hospitals (chapter 10), primary and community health services (including general practice) (chapter 11) and the interactions among different service mechanisms for dealing with two health management issues: mental health and breast cancer (chapter 12). These services are selected for reporting as they:

- make an important contribution to the health of the community
- reflect government priorities, for example, they fall within the National Health Priority Areas
- represent significant components of government recurrent expenditure on health care
- have common objectives across jurisdictions.

There is a complex relationship between health behaviours, health outcomes, and the socioeconomic and physical environment in which they occur. It has been well documented that Indigenous people are at higher risk of experiencing social and

economic disadvantage, which may impact negatively on health behaviours and outcomes. It is a priority of the Steering Committee to improve reporting on the performance of government provided health care services for Indigenous people and for residents in regional and remote Australia.

Box E.1 Some common health terms

Community health services: health services for individuals and groups delivered in a community setting, rather than via hospitals or private facilities.

General practitioners: medical practitioners who, for the purposes of Medicare, are vocationally registered under s.3F of the *Health Insurance Act 1973* (Cwlth), hold fellowship of the Royal Australian College of General Practitioners or equivalent, or hold a recognised training placement.

Medicare: covers Australian Government funding of private medical and optometric services (the Medicare Benefits Schedule [MBS]); selected medications (under the Pharmaceutical Benefits Scheme [PBS]); and public hospital funding (NHA), aimed at providing public hospital services free of charge to public patients.

Primary health care: services that:

- provide the first point of contact with the health system
- have a particular focus on prevention of illness and/or early intervention
- are intended to maintain people's independence and maximise their quality of life through care and support at home or in local community settings.

Public health: an organised social response to protect and promote health, and to prevent illness, injury and disability. The starting point for identifying public health issues, problems and priorities, and for designing and implementing medical interventions, is the population (or subgroups). Public health is characterised by a focus on the health of the population (and particular at-risk groups) and complements clinical provision of health care services.

Public hospital: a hospital that provides treatment free of charge and accommodation to eligible admitted people who elect to be treated as public patients. It also provides services free of charge to eligible non-admitted patients and may provide (and charge for) treatment and accommodation services to private patients. Charges to non-admitted patients and admitted patients on discharge may be levied in accordance with the NHA (for example, charges for aids and appliances).

The Council of Australian Governments (COAG) has agreed six National Agreements (NAs) to enhance accountability to the public for the outcomes achieved or outputs delivered by a range of government services (see 2011 Report, chapter 1 for more detail on reforms to federal financial relations). The *National Healthcare Agreement* (NHA) covers the area of Health, and health indicators in the *National Indigenous Reform Agreement* (NIRA) establish specific outcomes for

reducing the level of disadvantage experienced by Indigenous Australians. The agreements include sets of performance indicators, for which the Steering Committee collates annual performance information for analysis by the COAG Reform Council (CRC). Revisions have been made to the performance indicators reported in this preface to align with the performance indicators in the NAs.

The Australian Government's health services activities include funding Indigenous-specific primary health. State and Territory governments contribute funding for, and deliver, a range of health care services including services specifically for Indigenous people.

Indigenous data in the Health preface

The Health preface in the 2011 Report contains the following information on Indigenous people:

- an overview of Indigenous health, data quality and government expenditure on health services in 2006-07
- Indigenous health workforce, 2006
- self-assessed health, 2004-05
- health risk factors, 2007-08
- mortality rates, 2004–2008
- infant mortality rates, 2005-2009
- causes of death, 2004–2008
- life expectancy, 2005–2007
- median age at death, 2008
- potentially avoidable deaths, 2004-2008
- birthweight of babies, 2008.

Overview of Indigenous health

The Steering Committee has placed a high priority on reporting on government services to Indigenous people. Data on health outcomes and the provision of health services for Indigenous people are included, where possible, in the 2011 Report. This overview is designed to assist interpretation of these data and provide a broader understanding of Indigenous health issues.

There is a complex relationship between health behaviours, health outcomes, and the socioeconomic and physical environment in which they occur. It has been well documented that Indigenous people are at higher risk of experiencing social and economic disadvantage, which may negatively affect health behaviours and outcomes. These patterns are reflected in Australian data on: mortality, life expectancy and birthweight (later in this preface); hospital separation rates; fetal, neonatal and perinatal death rates (chapter 10); and suicide (chapter 12).

A number of recent publications include more comprehensive data on the health status of Indigenous Australians, including health determinants and health care access, which significantly affect health outcomes. These include the *Aboriginal and Torres Strait Islander Health Performance Framework — 2008 Report* (DoHA 2008), *The Health and Welfare of Australia's Aboriginal and Torres Strait Islander Peoples* (Australian Bureau of Statistics [ABS] and AIHW 2008), *Overcoming Indigenous Disadvantage: Key Indicators 2009* (SCRGSP 2009), *National Aboriginal and Torres Strait Islander Social Survey, 2008* (ABS 2009d), *Expenditure on health for Aboriginal and Torres Strait Islander people 2006-07* (AIHW 2009), and *Australia's Health 2010* (AIHW 2010a).

Contributing factors

Many Indigenous Australians live today in conditions of clear social and economic disadvantage, which, along with other geographic, environmental and cultural factors, may contribute to poor health.

Educational attainment levels are relatively low for the Indigenous population compared with all Australians. School retention rates for Indigenous school students remain considerably lower than those for non-Indigenous school students, although the disparity between the two groups is slowly lessening (ABS and AIHW 2008). In 2009, apparent retention rates for Indigenous full-time students were 90.9 per cent from years 7 or 8 to year 10 and 50.1 per cent to year 12. This compares with apparent retention rates for non-Indigenous students of 100.0 per cent to year 10 and 77.7 per cent to year 12. Apparent retention rates for Indigenous students from the beginning of secondary school to year 12 increased from 45.3 per cent in 2005 to 50.1 per cent in 2009, while the rate for non-Indigenous Australians remained steady at around 77 per cent (see chapter 4 of the Compendium, table 4A.80).

Indigenous people have relatively low employment and income levels that may create financial barriers to accessing health services. Average weekly income for Indigenous people was \$549 in 2006, while the weekly income for non-Indigenous people was \$769 (see 2011 Report, Statistical appendix tables AA.2, AA.7, AA.16 and AA.17). Between 2001 and 2006, for those aged 15–64 years the employment

to population ratio increased for Indigenous people from 43 per cent to 48 per cent, and for non-Indigenous people from 68 per cent to 72 per cent. The gap remained around 25 percentage points. In the same time period, the unemployment rate for Indigenous people aged 15–64 years decreased from 20 per cent to 16 per cent. However, this was still three times the rate for non-Indigenous Australians of 5 per cent. This is similar to the rate ratios from the 2001 Census (20 per cent compared with 7 per cent) (SCRGSP 2009).

There are high imprisonment rates among Indigenous people. Indigenous prisoners represented 26 per cent of the total prisoner population in 2009-10 (see chapter 8, table 8A.1). After adjusting for age differences, Indigenous adults were 14 times as likely as non-Indigenous adults to be imprisoned in 2009-10 (see chapter 8, table 8A.3), compared to 10 times as likely in 2000 (SCRGSP 2009). The Indigenous juvenile detention rate increased by 27 per cent between 2001 and 2007. As at 30 June 2007, Indigenous juveniles were 28 times as likely as non-Indigenous juveniles to have been detained. High imprisonment rates may contribute to the poorer health status of Indigenous people (SCRGSP 2009).

There are close associations between socioeconomic factors and exposure to health risk factors. Indigenous Australians have relatively high rates for some health risk factors such as obesity, substance abuse and violence. In 2007-08, the age standardised rate of Indigenous people aged 18 years and over who were daily cigarette smokers was 45 per cent, compared to 18.9 per cent for non-Indigenous people aged 18 years and over (ABS unpublished). Indigenous adults were less likely than non-Indigenous adults to have consumed alcohol in the week prior to interview in 2004-05 (53 per cent compared with 36 per cent). Among those who drank alcohol, rates of long-term risky/high risk alcohol consumption were similar for Indigenous and non-Indigenous Australians after adjusting for age. However, Indigenous adults were twice as likely to consume alcohol at short-term risky/high risk levels at least once a week over the previous 12 month period. Hospitalisation rates for all alcohol-related conditions were higher for Indigenous people than non-Indigenous people in 2006-07 (SCRGSP 2009).¹

Geographic distance to health services, particularly in remote and very remote areas, contributes to the health disadvantage of Indigenous people. In 2006, 417 (35 per cent) discrete Indigenous communities², with a combined population of

¹ Short term risk is the risk of harm associated with given levels of alcohol consumption on any one occasion. Long term risk is associated with regular daily patterns of alcohol consumption and defined by the average daily intake of alcohol over 7 days of the reference week.

² A geographic location, bounded by physical or cadastral (legal) boundaries, and inhabited or intended to be inhabited predominantly (that is, greater than 50 per cent of usual residents) by Indigenous people, with housing or infrastructure that is managed on a community basis.

25 486, were located 100 kilometres or more from the nearest Aboriginal Primary Health Care Centre and, of these, 92 (22 per cent) were larger communities with a population of 50 or more people. A total of 372 discrete Indigenous communities (31 per cent) were located 100 kilometres or more from the nearest other (State-funded) health centre and, of these, 90 (24 per cent) were larger communities. A total of 755 (64 per cent) discrete Indigenous communities were located 100 kilometres or more from the nearest hospital. On a population basis, 25 per cent of Indigenous people living in communities were 100 kilometres or more from the nearest hospital (ABS 2007).

Many Indigenous people live in inadequate and overcrowded housing, particularly in remote and very remote areas. Indigenous people were around five times as likely as non-Indigenous people to live in overcrowded housing in 2006. Overcrowding was highest in very remote areas (65.1 per cent) and lowest in major cities (15.1 per cent) (SCRGSP 2009). There were around 20 700 overcrowded Indigenous households (14 per cent), and 102 400 Indigenous people (27 per cent) living in overcrowded conditions in 2006 (ABS and AIHW 2008). There has been some improvement in housing overcrowding, with the proportion of Indigenous people living in overcrowded housing falling from 31 per cent to 27 per cent between 2001 and 2006 (SCRGSP 2009).

Data quality

Good quality data are needed to assess the effectiveness of programs and to evaluate policies designed to improve health services and outcomes for Indigenous people. Despite recent improvements, the quality of estimates of Indigenous health information is limited by problems with the underlying data. Some of the problems associated with Indigenous health data are outlined in (ABS 2009a), and (ABS and AIHW 2008) including:

- Indigenous people are not always accurately or consistently identified in administrative health data collections (such as hospital records and birth and death registrations) because of variation in definitions, different data collection methods and inaccurate or incomplete recording of Indigenous status. Data on hospital separations, mortality and disease notifications are therefore likely to be underestimated for the Indigenous population.
- Inconsistent data definitions and differences in the accuracy of identifying Indigenous people have led to problems making comparisons between jurisdictions, and over time.
- Problems in accurately estimating the Indigenous population; there is an undercount of the Indigenous population in the Census, particularly in remote

areas, and there are data quality problems with the births and deaths statistics used to adjust Census data to produce population estimates and projections.

As part of the development of the Aboriginal and Torres Strait Islander Health Performance Framework, key priorities for data development have been identified to support an ongoing work program of data improvements.

The ABS has implemented a program of three yearly Indigenous household surveys with sample sizes designed to support the production of reliable State and Territory level data, so every three years, some health status and health risk factors are measured. Every six years, and in parallel with the National Health Survey, more detailed Indigenous health status information is collected, together with health service use, health actions, health-related aspects of lifestyle and other health risks. This also enables Indigenous to non-Indigenous comparisons for relevant variables. Other health-related surveys, which may include an Indigenous identifier, do not necessarily provide reliable data on Indigenous people because of small sample size, limited geographic coverage or survey design.

Experimental estimates of the Indigenous population are re-based by the ABS every five years following availability of new Census data. Therefore, revisions may be required to various rates and rate ratios used in previous editions of the report where those rates data are to be carried forward in new reports. The Indigenous population estimates and projections are re-based for this Report.

In July 2009, COAG endorsed a \$46.4 million package of Indigenous data development over 4 years as part of *the Integrated Strategy for Closing the Gap in Indigenous Disadvantage*.

Expenditure

It is not always possible to make accurate estimates of health expenditure for Indigenous people, and their corresponding service use. For example, Indigenous status is not always clearly stated or recorded. For many publicly funded health services there is incomplete information available about service users and, in particular, their Indigenous status.

For privately funded services, this information is frequently unavailable. For those services that do collect information on Indigenous status the data are not always accurate. This may be because Indigenous identification is voluntary and not all Indigenous patients choose to identify as Indigenous and some providers may not optimise collection of data on Indigenous status.

The scope and definition of health expenditure also have some limitations. For the Indigenous health expenditure data presented below, health covers those services that are directed mainly towards improving health and/or reducing the effects of illness or injury. This is a relatively narrow definition which excludes a number of supportive ‘welfare’ services and the impact of living conditions on health, for example, housing, sanitation and nutrition. There are also other (non-health) agency contributions to health expenditure (such as those incurred within education departments and prisons) that are not included.

Indigenous health expenditure can also be difficult to identify, as the majority of health expenditure on Indigenous people is allocated through mainstream health programs — admitted and non-admitted patient services, community health services, medical and medications health services, and public health services. The definition of health expenditure has changed and no longer includes expenditure on high care residential aged care, which is now classified as welfare expenditure.

The most recent estimates of health services expenditure for Indigenous people are for 2006-07 (AIHW 2009). The ratio of Indigenous to non-Indigenous health and high care residential aged care expenditure per person in 2006-07 was 1.25. This means that \$1.25 was spent per person on health for Indigenous people for every dollar spent for non-Indigenous people.

The average Indigenous/non-Indigenous total health expenditure per person ratio increased between 2004–05 and 2006–07 from 1.17 to 1.25. The increase can be explained by growth in expenditure for Indigenous people in areas such as public hospital services and Medicare funded medical services (AIHW 2009).

The major feature of the difference in total health expenditure per person between Indigenous and non-Indigenous people is the reliance of Indigenous people on public hospitals and community health services. Although Indigenous people used few private hospital services, as their private insurance membership was low, overall hospital expenditure (public and private hospital) per Indigenous person was 72 per cent higher than for non-Indigenous people (AIHW 2009, table E.1). Spending on community health services was six and a half times that for non-Indigenous people. In contrast, per person expenditure on medical services, medications and dental services was half or less than that for non-Indigenous people (table E.1). This is partly because Indigenous people have much lower incomes compared to non-Indigenous people and, like many low income people, use more public hospital services and less private specialist medical services. Approximately 70 per cent of Indigenous households are in the lowest two household income quintiles (AIHW 2009).

The difference between average health expenditure on Indigenous and non-Indigenous people reflects, among other things, the differences in the average costs of providing goods and services to the two populations. For example, a higher proportion of Indigenous people live in remote and very remote regions in Australia where the costs of providing health goods and services are higher than for those people who live in capital cities or inner regional areas.

Table E.1 Expenditure on health and high care residential aged care services for Indigenous and non-Indigenous people, 2006-07

Area of expenditure	Expenditure (\$ million)				Expenditure per person (\$)		Ratio
	Indigenous	Non-Indigenous	Total	Indigenous share (%)	Indigenous	Non-Indigenous	
Total hospital services	1 483.1	33 687.6	35 170.7	4.2	2 838.3	1 654.6	1.72
Public hospital services ^a	1 450.9	26 565.3	28 016.2	5.2	2 776.6	1 304.8	2.13
Admitted patient services ^b	1 123.5	20 817.0	21 940.5	5.1	2 150.0	1 022.4	2.10
Non-admitted patient services	327.4	5 748.3	6 075.7	5.4	626.5	282.3	2.22
Private hospitals ^c	32.3	7 122.3	7 154.5	0.5	61.7	349.8	0.18
Patient transport services	115.9	1 672.4	1 788.3	6.5	221.8	82.1	2.70
Medical services	220.8	16 544.5	16 765.3	1.3	422.6	812.6	0.52
Medicare services	193.2	13 441.1	13 634.3	1.4	369.7	660.2	0.56
Other	27.6	3 103.4	3 131.0	0.9	52.9	152.4	0.35
Dental services	72.9	5 676.2	5 749.1	1.3	139.5	278.8	0.50
Community health services	620.1	3 706.2	4 326.4	14.3	1 186.7	182.0	6.52
Other professional services	22.3	3 250.8	3 273.1	0.7	42.8	159.7	0.27

(Continued on next page)

Table E.1 (Continued)

Area of expenditure	Expenditure (\$ million)			Indigenous share (%)	Expenditure per person (\$)		Ratio
	Indigenous	Non-Indigenous	Total		Indigenous	Non-Indigenous	
Public health	110.9	1 700.2	1 811.0	6.1	212.2	83.5	2.54
Medications	129.4	12 481.0	12 610.3	1.0	247.5	613.0	0.40
Aids and appliances	21.0	3 004.6	3 025.6	0.7	40.3	147.6	0.27
Research	32.1	2 317.0	2 349.1	1.4	61.5	113.8	0.54
Health administration	75.7	2 294.0	2 269.7	3.2	144.8	112.7	1.29
Other health services (nec) ^d	5.5	141.9	147.4	3.7	10.5	7.0	1.51
Total health	2 909.7	86 476.4	89 386.1	3.3	5 568.5	4 247.3	1.31
High care residential aged care	66.7	6 305.1	6 371.8	1.0	127.6	309.7	0.41
Total health and high care residential aged care	2 976.4	92 781.5	95 757.9	3.1	5 696.1	4 557.0	1.25

^a Public hospital services exclude dental services, community health services, patient transport services, public health and health research undertaken by the hospital. ^b Admitted patient expenditure estimates allow for Indigenous under-identification, except for Tasmania. ^c Include State/Territory government expenditure for services provided for public patients in private hospitals (\$249.5 million). ^d Other health services (not elsewhere classified) include expenditure on health services such as family planning.

Source: AIHW (2009) *Expenditure on Health for Aboriginal and Torres Strait Islander Peoples 2006-07*, Cat. no. HWE 48, Health and Welfare Expenditure Series no. 39, Canberra; 2011 Report, table E.1, p. E.20-21.

In 2006-07, governments provided 93.4 per cent of the total funding for Indigenous health care spending and 68.2 per cent of the health care funding for non-Indigenous people. For Indigenous health spending, the states and territories contributed around \$1.5 billion or 51.4 per cent of total funding, and around \$1.2 billion or 42.0 per cent of total funding came from the Australian Government. Non-government sources contributed around \$193 million, or 6.6 per cent of total funding (table E.2).

Table E.2 Total funding for health and high care residential aged care for Indigenous and non-Indigenous people, 2006-07

Source of funding	Amount (\$ million)			
	Indigenous	Non-Indigenous	Total	Indigenous share (%)
State and Territory governments	1 495.8	20 861.6	22 357.4	6.7
Australian Government	1 220.7	38 107.3	39 328.1	3.1
Direct Australian Government	720.5	24 869.4	25 589.9	2.8
Indirect through Australian State/Territory governments	487.4	9 406.4	9 893.8	4.9
Indirect through non-government ^a	12.8	3 831.5	3 844.3	0.3
<i>All governments</i>	<i>2 716.5</i>	<i>58 968.9</i>	<i>61 685.4</i>	<i>4.4</i>
Non-government	193.2	27 507.5	27 700.7	0.7
Total health	2 909.7	86 476.4	89 386.1	3.3
Australian Government funded high care residential aged care	43.8	4 769.3	4 813.1	0.9
Non-government funded high care residential aged care	22.9	1 535.7	1 558.6	1.5
<i>Government funded health and high care residential aged care</i>	<i>2 760.3</i>	<i>63 738.2</i>	<i>66 498.5</i>	<i>4.2</i>
Total health and high care residential aged care	2 976.4	92 781.4	95 757.9	3.1

^a 'Indirect through non-government' data include private health insurance rebates of \$3073 million for all Australians, Special Purpose Payments (SPPs) covering high specialised drugs in private hospitals and other payments.

Source: AIHW (2009) *Expenditure on Health for Aboriginal and Torres Strait Islander Peoples 2006-07*, Cat. no. HWE 48, Health and Welfare Expenditure Series no. 39, Canberra; 2011 Report, table E.2, p. E.22.

On a per person basis, the level of funding from Australian State and Territory governments, was much higher for Indigenous people than for non-Indigenous people (table E.3). The average amount of funding was \$5199 per Indigenous person and \$2896 per non-Indigenous person.

In 2006–07, Australian Government funding for health services was around 25 per cent more per person for Indigenous people than for non-Indigenous people. State and Territory governments funding was almost three times as much per person for Indigenous people as for non-Indigenous people (table E.3).

Table E.3 Funding per person for health and high care residential aged care for Indigenous and non-Indigenous people, 2006–07

<i>Source of funding</i>	<i>Funding per person (\$)</i>		
	<i>Indigenous</i>	<i>Non-Indigenous</i>	<i>Ratio</i>
State and Territory governments	2 862.5	1 024.6	2.79
Australian Government	2 336.2	1 871.7	1.25
Direct Australian Government	1 378.8	1 221.5	1.13
Indirect through Australian State/Territory governments	932.8	462.0	2.02
Indirect through non-government ^a	24.5	188.2	0.13
<i>All governments</i>	<i>5 198.7</i>	<i>2 896.3</i>	<i>1.79</i>
Non-government	369.8	1 351.0	0.27
Total health	5 568.5	4 247.3	1.31
Australian Government funded high care residential aged care	83.9	234.2	0.36
Non-government funded high care residential aged care	43.7	75.4	0.58
<i>Government funded health and high care residential aged care</i>	<i>5 282.6</i>	<i>3 130.5</i>	<i>1.69</i>
Total health and high care residential aged care	5 696.1	4 557.0	1.25

^a 'Indirect through non-government' data include private health insurance rebates (\$147.1 per Australian in 2006-07). This category also includes SPPs which cover highly specialised drugs provided in private hospitals, along with other payments.

Source: AIHW (2009) *Expenditure on Health for Aboriginal and Torres Strait Islander Peoples 2006-07*, Cat. no. HWE 48, Health and Welfare Expenditure Series no. 39, Canberra; 2011 Report, table E.3, p. E.23.

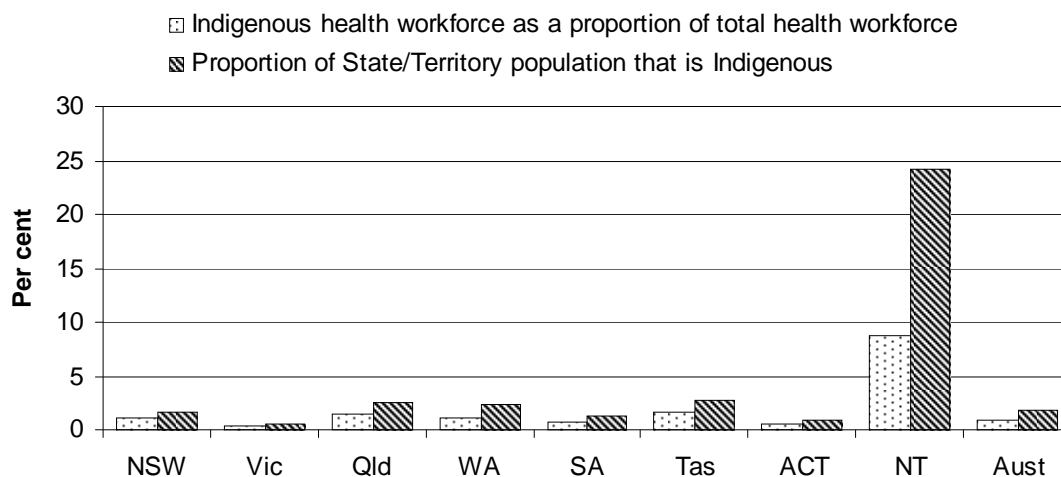
Indigenous health workforce

Indigenous people aged 15 years and over were under-represented in almost all health-related occupations in 2006 (ABS and AIHW 2008). This can potentially contribute to Indigenous peoples' reduced access to health services. One patient satisfaction survey found that the presence of an Indigenous doctor at a community health centre was one of the main reasons for Indigenous people attending the clinic. In addition, the number of Indigenous patients attending the clinic increased markedly following the arrival of the Indigenous doctor and other changes in the service designed to make it more welcoming. Patients reported that an Indigenous doctor was 'more understanding of their needs' (DoHA 2008).

In 2006, Indigenous people accounted for 1.0 per cent of the health workforce, but comprised 1.8 per cent of the total population (aged 15 years and over). Indigenous health workers are under-represented in each State and Territory (figure E.1). There have, however, been some improvements over time with increases in the number of

Indigenous Australians in the health workforce as a proportion of the total health workforce (DoHA 2008).

Figure E.1 Indigenous health workforce as a proportion of total health workforce, by jurisdiction, 2006^{a, b}

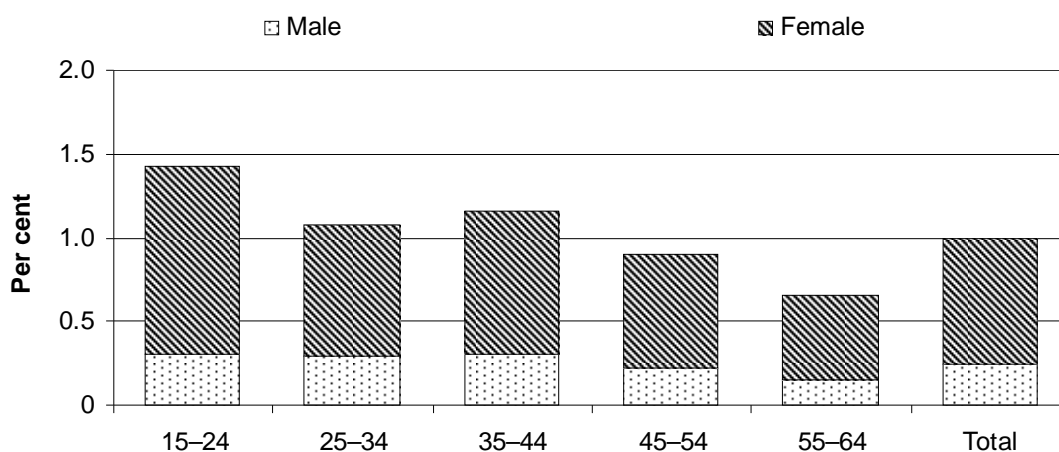


^a Aged 15 years and over. ^b Australian total data include other territories.

Source: ABS (unpublished), ABS (2007) *2006 Census of Population and Housing*, Canberra; table EA.1; 2011 Report, figure E.8, p. E.24.

For younger age-groups, Indigenous people make up a higher proportion of the health workforce — 1.4 per cent of the workforce aged 15–24 years and 1.1 per cent of the workforce aged 25–34 years. Indigenous females represented a higher proportion of the health workforce than Indigenous males across all age-groups (figure E.2).

Figure E.2 **Indigenous health workforce as a proportion of total health workforce, by age-group and sex, 2006^a**



^a Total includes data for the 65 plus age group.

Source: ABS (unpublished), 2006 Census of Population and Housing; table EA.2; 2011 Report, figure E.9, p. E.25.

Indigenous health workforce by occupation

In 2006, there were 103 Indigenous people working as medical practitioners and 1446 Indigenous people working as nurses (table E.4). After nursing, Indigenous people in the health workforce were most commonly employed as Aboriginal and Torres Strait Islander health workers (965 people) (table EA.4). Aboriginal and Torres Strait Islander health workers may be employed as specialists in areas such as alcohol, mental health, diabetes, eye and ear health, sexual health, or generalist members of primary care teams, or hospital liaison officers (table EA.4). These data are from the 2006 Census of Population and Housing. Data for 2007 on the proportion of medical practitioners and nurses/midwives that were Indigenous are available from the AIHW Health Labour Force Surveys and are reported in table EA.5.

Table E.4 Proportion of the health workforce that is Indigenous, by occupation groupings, 2006^a

	<i>NSW</i>	<i>Vic</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>Tas</i>	<i>ACT</i>	<i>NT</i>	<i>Aust^b</i>	
	%	%	%	%	%	%	%	%	%	no.
Occupation groupings ^c										
Medical practitioners	0.2	0.1	0.2	0.1	0.2	0.5	0.3	0.6	0.2	103
Medical imaging workers	0.2	0.1	0.3	–	0.4	–	–	–	0.2	19
Dental workers	0.8	0.2	1.2	0.4	0.4	0.9	0.8	1.9	0.7	203
Nursing workers	0.9	0.3	0.9	0.5	0.4	1.3	0.4	1.9	0.7	1 446
Pharmacists	–	0.1	0.2	0.2	–	–	–	–	0.1	13
Allied health workers	0.8	0.2	0.9	0.7	0.8	1.1	0.6	4.2	0.7	454
Complementary therapists	0.5	0.3	0.8	0.8	0.3	3.1	–	–	0.5	87
Other health workers	2.3	0.7	3.4	2.8	2.0	3.7	1.3	27.2	2.4	3 145
Total Indigenous health workforce as proportion of total health workforce	1.1	0.3	1.4	1.1	0.8	1.7	0.6	8.8	1.0	..
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Total Indigenous health workforce	1 933	456	1 472	563	354	216	51	422	5 470	5 470

^a Proportions exclude persons who did not state their Indigenous status. ^b Includes Other Territories (Christmas Island, Cocos (Keeling) Islands, and Jervis Bay Territory). ^c Occupation groupings are based on those used in AIHW Health and Community Services Labour Force, 2006. .. Not applicable. – Nil or rounded to zero.

Source: ABS (unpublished), 2006 Census of Population and Housing, Cat. no. 2068.0; table EA.3; 2011 Report, table E.4, p. E.26.

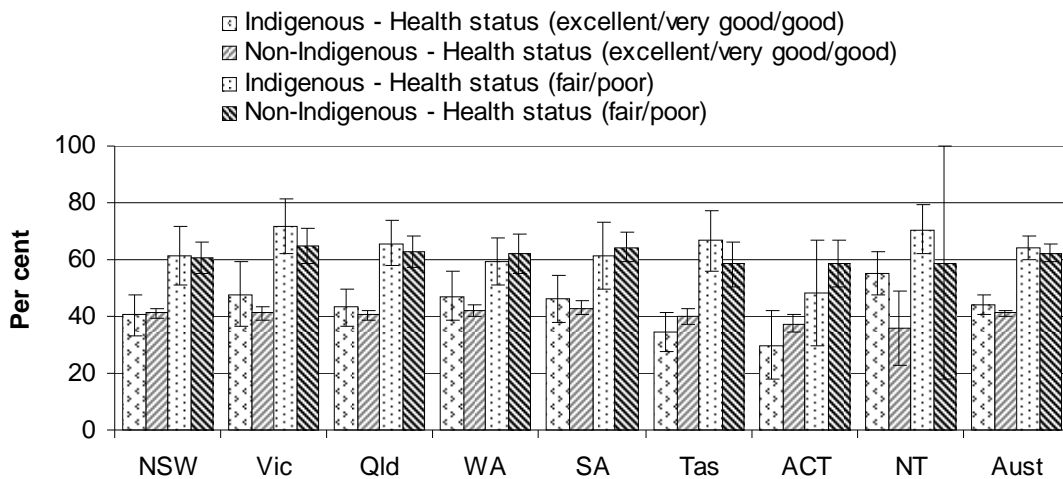
Self-assessed health

Results from the 2007-08 National Health Survey indicate that the majority of Australians (85 per cent) aged 15 years or over reported their health as either good, very good or excellent (ABS 2009b). In the 2008 National Aboriginal and Torres Strait Islander Social Survey, 78 per cent of Indigenous people reported their health as either good, very good or excellent (ABS 2009d). There was a significant decline in Indigenous people reporting their health as fair or poor from 2001 (down from 26 per cent in 2001 to 22 per cent in 2008) (ABS 2009b).

Indigenous people were less likely than non-Indigenous people to report very good or excellent health and the difference between the two populations was greatest in the older age groups (DoHA 2008). Taking into account differences in age structure between the Indigenous and non-Indigenous populations, Indigenous people overall were almost twice as likely to report their health as fair or poor than non-Indigenous Australians in 2004-05 (ABS 2006). Indigenous females were more likely to report their health as fair or poor than Indigenous males (24 per cent compared with 19 per cent) (DoHA 2008).

Data from the National Health Survey show that 41.8 per cent of Australians who reported their health status as being excellent/very good/good accessed health services in 2004-05, while health services were accessed by 62.6 per cent of people who reported their health status as being fair/poor (2011 Report, tables EA.17 and EA.18). There was little difference between the percentages of Indigenous and non-Indigenous people reporting excellent/very good/good health status who accessed health services or between Indigenous and non-Indigenous people reporting fair/poor health status who accessed health services in 2004-05 (figure E.3).

Figure E.3 Proportion of people who accessed health services by health status and Indigenous status, 2004-05^{a, b, c, d, e}



^a Rates are age standardised by State/Territory to the 2001 estimated resident population (5 year ranges from 15+). ^b Persons who accessed at least one of the health services noted in tables EA.6 and EA.7 in the last two weeks or were admitted to hospital in the last 12 months. ^c Limited to people aged 15 years or over. ^d Total persons accessing any of the selected health services. Components may not add to total because persons may have accessed more than one type of health service. ^e Estimates with RSEs between 25 per cent and 50 per cent should be used with caution. Estimates with RSEs greater than 50 per cent are considered too unreliable for general use.

Source: ABS (unpublished) *National Health Survey, 2004-05*; ABS (unpublished) *National Aboriginal and Torres Strait Islander Health Survey, 2004-05*; tables EA.6 and EA.7; 2011 Report, figure E.10, p. E.27.

Health risk factors

There are a number of behaviours that are risks to health outcomes, for example, dietary habits and exercise, or other factors such as high body mass, smoking, and alcohol consumption. The National Health Survey 2007-08 collected data on these risk factors (ABS 2009b), which are presented in this section. Selected health outcomes such as life expectancy and mortality are presented in the next section. Health services are concerned with promoting, restoring and maintaining a healthy society. An important part of this activity is reducing health risk factors through activities that raise awareness of health issues to reduce the risk and onset of illness and injury. Smoking has been identified as a cause of lung cancer and a range of other chronic diseases. Nationally, the age standardised rate of lung cancer was 43.3 new cases per 100 000 people in 2007. Bowel cancer, which has been linked to diet, occurred at a rate of 62.4 new cases per 100 000 people in 2007 (table EA.11 and 2011 Report, tables EA.37 and EA.38). Other cancers such as melanoma are also preventable. The incidence of these cancers for 2007, along with breast and cervical cancer, are reported in table EA.11 and in 2011 Report, tables EA.37–39.

Body mass

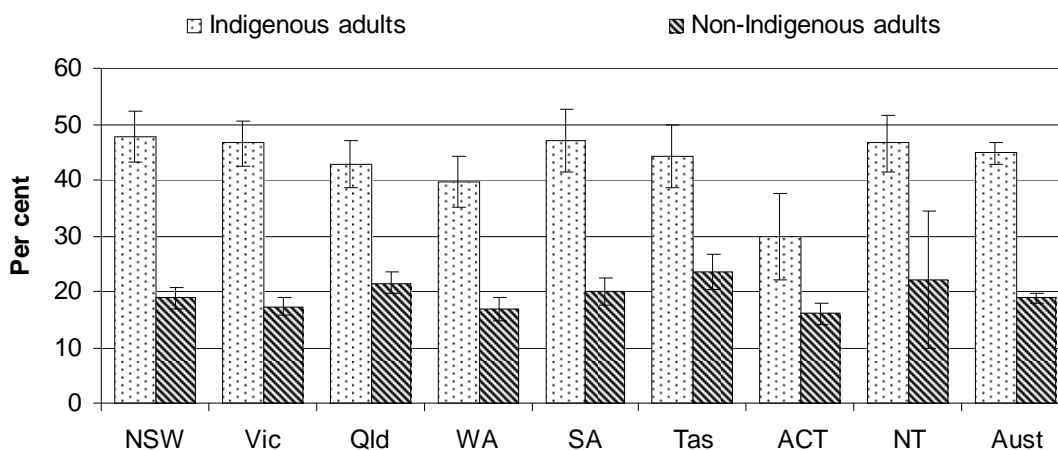
Nationally, there were almost twice as many obese Indigenous adults (33.6 per cent) as non-Indigenous adults (17.7 per cent) (table EA.8).

Smoking

Smoking is an important risk factor for heart disease, stroke and lung cancer. These were the three leading causes of death in Australia in 2007 (ABS 2010). Smoking is responsible for around 80 per cent of all lung cancer deaths and 20 per cent of all cancer deaths (DoHA 2009).

Daily smokers accounted for 19.1 per cent of the population in 2007-08. Nationally, Indigenous people had higher age standardised rates of daily smoking (44.8 per cent) than non-Indigenous people (18.9 per cent) (figure E.4).

Figure E.4 Proportion of adults who are daily smokers, by Indigenous status, 2007-08^{a, b, c, d}



^a Rates are age standardised by State and Territory, to the 2001 Estimated Resident Population (10 year ranges from 18–55 years and over). ^b Data for Indigenous people are based on the ABS *National Aboriginal and Torres Strait Islander Social Survey*, 2008. ^c Data for non-Indigenous people are based on the ABS *National Health Survey*, 2007-08. ^d Estimates with RSEs between 25 per cent and 50 per cent should be used with caution. Estimates with RSEs greater than 50 per cent are considered too unreliable for general use.

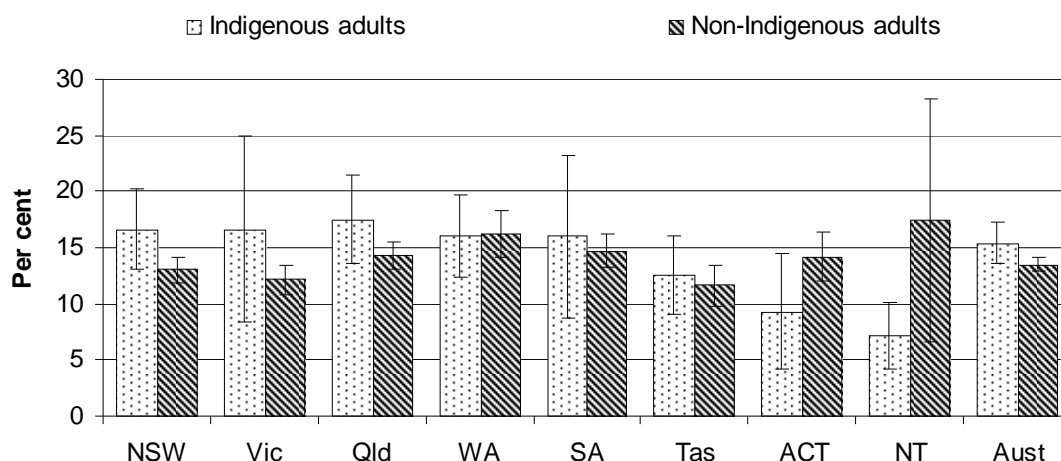
Source: ABS (unpublished), *National Health Survey 2007-08*; table EA.9; 2011 Report, figure E.12, p. E.32.

Alcohol consumption

Excessive long term alcohol consumption increases the risk of heart disease, stroke, liver cirrhosis and some types of cancers. Further, it can contribute to injury and death through accidents, violence, suicide and homicide and also to financial problems, family breakdown, child abuse and neglect.

Nationally, 13.1 per cent of Australian adults were at risk of long term harm from alcohol in 2007-08. The age standardised rates varied among jurisdictions (2011 Report, table EA.34). Nationally, the age standardised proportion of adults at risk of long term harm from alcohol was higher for Indigenous people (15.4 per cent) than for non-Indigenous people (13.5 per cent) in 2004-05. There were some variations in the age standardised rates for proportion of Indigenous adults at risk of long term harm from alcohol among jurisdictions (figure E.5 and table EA.10).

Figure E.5 Proportion of adults at risk of long term harm from alcohol, by Indigenous status, 2004-05^{a, b, c, d}



^a Rates are age standardised by State and Territory, to the 2001 Estimated Resident Population (10 year ranges from 0). ^b Risky/high risk alcohol consumption in the long term. ^c Estimates with RSEs between 25 per cent and 50 per cent should be used with caution. Estimates with RSEs greater than 50 per cent are considered too unreliable for general use. ^d The ACT Indigenous estimate should be treated with caution.

Source: ABS (unpublished) *National Aboriginal and Torres Strait Islander Social Survey*, 2008; ABS (unpublished) *National Health Survey*, 2007-08; table EA.10; 2011 Report, figure E.13, p. E.33.

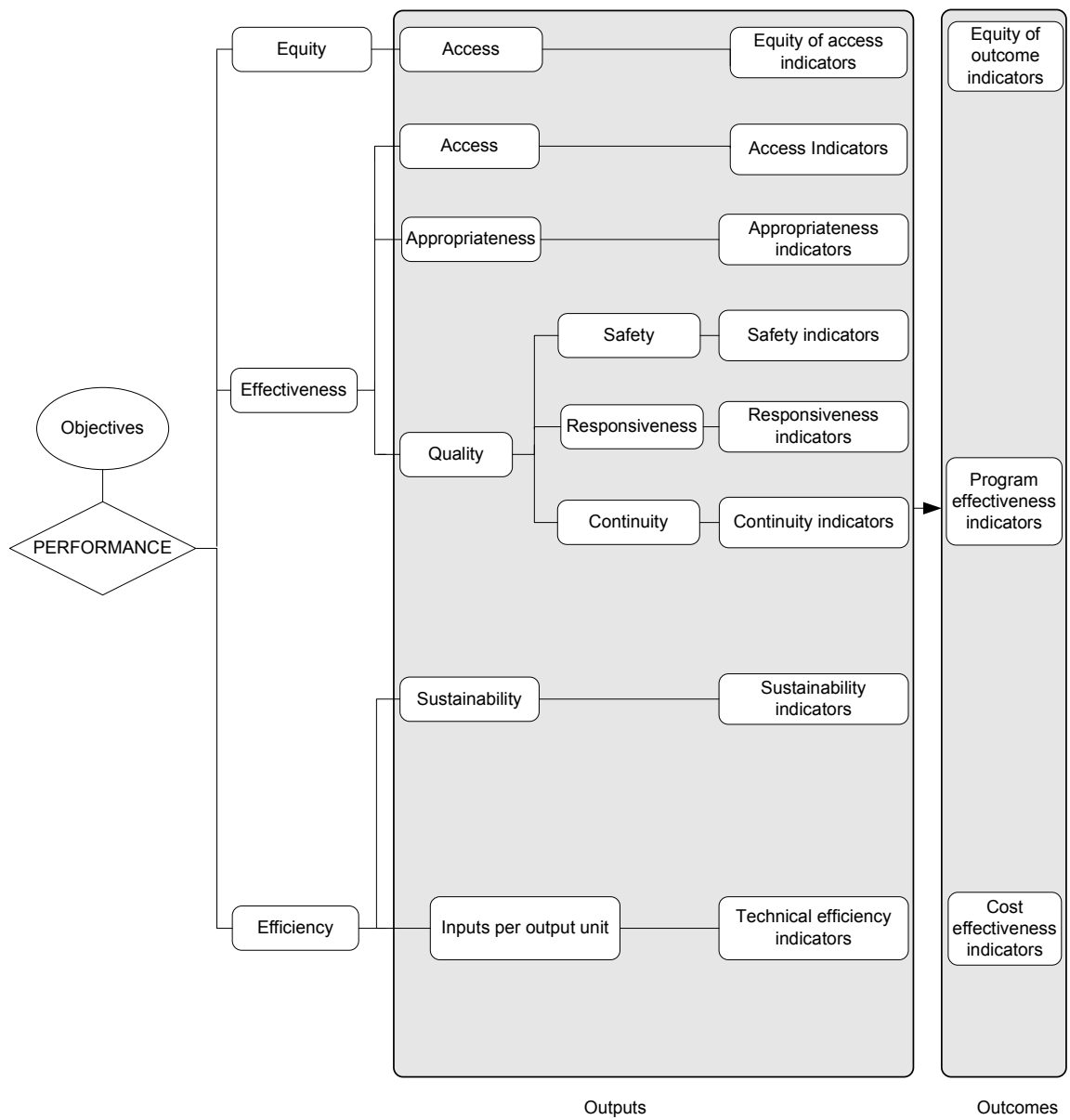
Framework of performance indicators

The framework of performance indicators for health services outlined in figure E.6 reflects both the general Review framework (see chapter 1) and the revised National Health Performance Framework agreed by the National Health Information Standards and Status Committee in 2009. Detailed performance indicator frameworks have been developed for public hospitals (chapter 10), primary and community health services (chapter 11), and the management of breast cancer and mental health (chapter 12).

Selected indicators of health outcomes are reported in the Health preface of the 2011 Report. Data for Indigenous people are reported for a subset of those indicators and are presented here.

The Report's statistical appendix contains data that may assist in interpreting the data presented in this preface. The statistical appendix data cover a range of demographic and geographic characteristics, including age profile, geographic distribution of the population, income levels, education levels, tenure of dwellings and cultural heritage (including Indigenous and ethnic status) (appendix A).

Figure E.6 Performance indicator framework for health services



Source: 2011 Report, figure E.14, p. E.36.

Selected indicators of health outcomes

It is difficult to isolate the effect of health care services on the general health of the population. Socioeconomic factors (such as residential location, income levels and employment rates) and the provision of non-health care government services (such as clean water, sewerage, nutrition, education and public housing) each contribute to overall health outcomes. The outcomes and effectiveness of health services are also influenced by population factors external to governments' control, including geographic dispersion, age and ethnicity profiles, and socioeconomic status. Appendix A summarises some of the demographic and socioeconomic factors that can influence health outcomes and government expenditure.

Data on health outcomes presented in this preface include mortality rates (for infants and all people), causes of death, life expectancy at birth, median age at death and birthweight. Where possible, data are presented for Indigenous people as well as the Australian population as a whole.

Mortality rates

Most components of the health system can influence mortality rates, although there may be a delay of decades between the action and the effect. A public health campaign to reduce smoking by young people, for example, may reduce premature deaths due to smoking-related conditions some years in the future. Factors external to the health system also have a strong influence on mortality rates.

Data on Indigenous mortality are collected through State and Territory death registrations. The completeness of identification of Indigenous Australians in these collections varies significantly across states and territories so care is required when making comparisons.

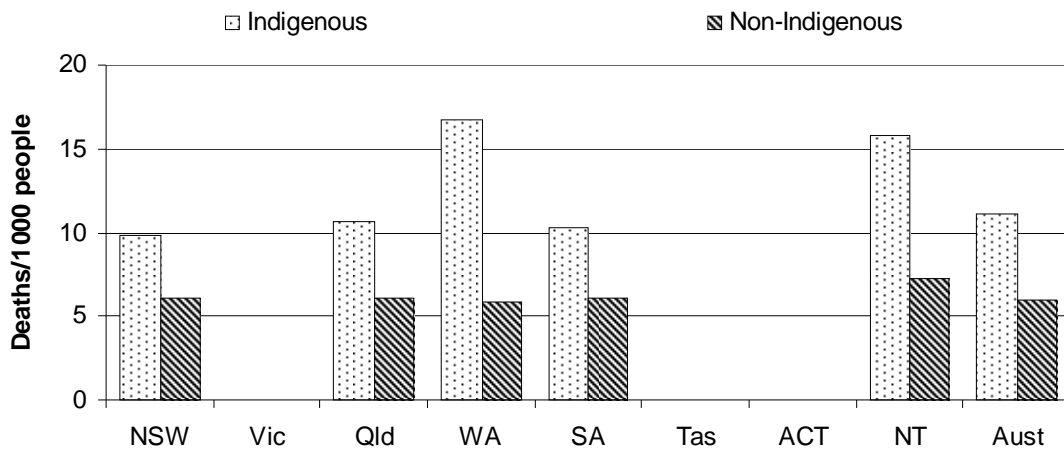
Due to the relatively small number of Indigenous deaths and the consequent volatility in annual mortality rates, data are presented for the five year period 2004–2008. To improve the comparability of age-related mortality rates, indirect age standardisation methods have been used for both the Indigenous and total population rates.

NSW, Queensland, WA, SA and the NT are currently generally considered to have the best coverage of death registrations for Indigenous people (ABS 2009c).³ For these five jurisdictions combined, the overall rates of mortality for Indigenous

³ The term 'coverage' refers to the number of Indigenous deaths registered as a percentage of the number of expected deaths based on experimental Indigenous population estimates and projections from the 2006 Census.

people were nearly twice as high as mortality rates for non-Indigenous people based on data for 2004–2008 (figure E.7 and table EA.12). Due to identification completeness issues, mortality rates presented here are likely to be under-estimates of the true mortality of Indigenous Australians (ABS and AIHW 2008).

Figure E.7 Mortality rates, age standardised, by Indigenous status, five year average, 2004–2008^{a, b, c, d}



^a Deaths are based on year of registration of death. ^b Deaths per 1000 standard population. Standardised death rates use total persons in the 2001 Australian population as the standard population. ^c The unusually high Indigenous mortality rate for WA in 2008 is under investigation by the ABS. ^d Calculations of rates for the Indigenous population are based on *ABS Experimental Projections, Aboriginal and Torres Strait Islander Australians 1991 to 2009* (ABS Cat. no. 3238.0, low series, 2001 base). There are no comparable population data for the non-Indigenous population. Calculations of rates for comparison with the Indigenous population are derived by subtracting Indigenous population projections from total Estimated Resident Population and should be used with care, as these data include deaths and population units for which Indigenous status were not stated. ERP used in calculations are final ERP based on 2006 Census.

Source: ABS (unpublished) *Deaths Australia, 2008*; table EA.12; 2011 Report, figure E.16, p. E.39.

Infant and child mortality rates

The infant mortality rate is defined as the number of deaths of children under 1 year of age in a calendar year per 1000 live births in the same year. Infant mortality rates are presented by Indigenous status as an average over five years to reduce the volatility inherent in the annual rates due to small numbers of deaths and annual fluctuations.

The child mortality rate is defined as the number of deaths of children between one and four years of age in a calendar year per 100 000 of the population. Child mortality rates are presented by Indigenous status as an average over five years to reduce the volatility inherent in the annual rates due to small numbers and annual fluctuations.

For WA, SA and the NT, longer-term trends suggest that the mortality rate for Indigenous infants decreased by 47 per cent between 1991 and 2006 (ABS 2009a). Despite this significant improvement, infant mortality rates for Indigenous children are still markedly higher than for non-Indigenous children in Australia.

For the period 2005–2009, the average infant mortality rate for Indigenous children was higher (8.9 deaths per 1000 live births) than for non-Indigenous children (4.2 deaths per 1000 live births) (table EA.14). For the same period, the average child mortality rate for Indigenous children was also higher (56.1 deaths per 100 000 of the population) than for non-Indigenous children (20.3 deaths per 100 000 of the population) (table EA.15). The combined infant and child average child mortality rate for Indigenous children was 234.7 deaths per 100 000 of the population compared to 103.7 deaths per 100 000 of the population for non-Indigenous children (table EA.16).

Major causes of death

In the jurisdictions for which age standardised death rates are available by Indigenous status (NSW, Queensland, WA, SA and the NT), death rates were significantly higher for Indigenous Australians than for non-Indigenous Australians in 2004–08. In particular, Indigenous people died: from endocrine, metabolic and nutritional disorders at a rate of up to 6.3 times that for non-Indigenous people; from kidney diseases at a rate of up to 5.1 times that for non-Indigenous people; from digestive diseases at a rate of up to 4.7 times that for non-Indigenous people; and from infectious and parasitic diseases at a rate of 3.2 times that for non-Indigenous people (tables E.5 and EA.17).

Table E.5 Age standardised mortality rate ratios of Indigenous to non-Indigenous people by major cause of death, 2004–2008^{a, b, c, d, e, f}

	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total^g</i>
Circulatory diseases	2.0	2.2	3.7	2.6	3.9	2.5
Neoplasms (cancer)	1.2	1.5	1.9	1.2	1.7	1.5
External causes of morbidity and mortality	1.6	2.0	3.7	3.1	2.7	2.6
Endocrine, metabolic and nutritional disorders	3.0	6.6	9.3	4.5	7.4	6.3
Respiratory diseases	2.2	2.2	4.7	2.7	4.2	3.0
Digestive diseases	3.3	3.8	7.1	4.0	5.9	4.7
Kidney Diseases	2.7	4.4	6.8	4.0	11.3	5.1
Conditions originating in the perinatal period	1.5	2.0	3.1	2.6	3.1	2.1
Infectious and parasitic diseases	1.9	3.3	5.1	2.4	4.4	3.2
Nervous system diseases	1.2	1.1	2.4	2.2	3.1	1.6
Other causes ^h	1.6	1.9	4.4	1.7	3.0	2.3
All causes	1.7	2.2	3.6	2.3	3.4	2.5

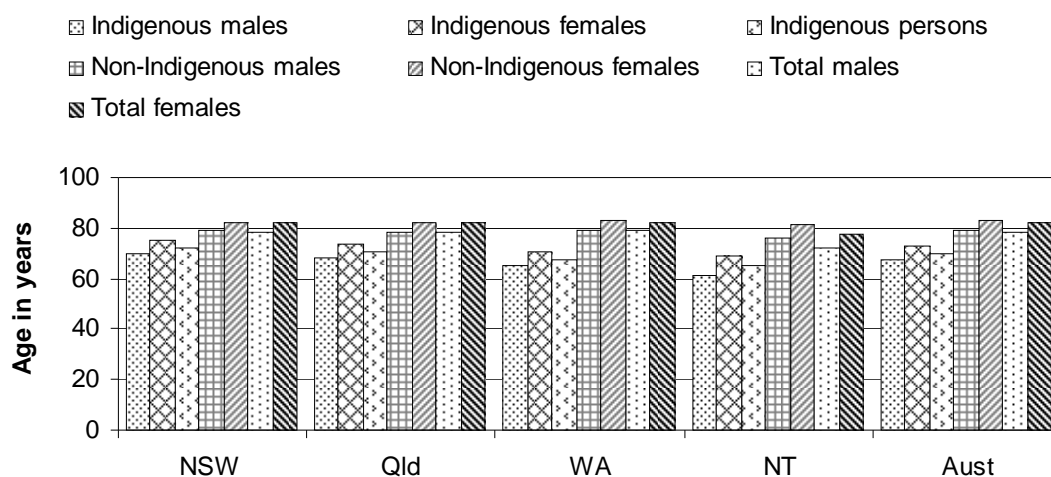
^a Age standardised to the Australian population as at 30 June 2001. ^b Rate ratio is the crude Indigenous rate divided by the non-Indigenous rate. ^c Although most deaths of Indigenous people are registered, it is likely that some are not accurately identified as Indigenous. Therefore, these data are likely to underestimate the Indigenous 'all causes' mortality rate. ^d Data are reported individually by jurisdiction of residence for NSW, Queensland, WA, SA and the NT only. These five states and territories are considered to have acceptable levels of Indigenous identification in mortality data. ^e Data are presented in five-year groupings due to the volatility of small numbers each year. ^f Non-Indigenous estimates are available for census years only. In the intervening years, Indigenous population figures are derived from assumptions about past and future levels of fertility, mortality and migration. In the absence of non-Indigenous population figures for these years, it is possible to derive denominators for calculating non-Indigenous rates by subtracting the Indigenous population from the total population. Such figures have a degree of uncertainty and should be used with caution, particularly as the time from the base year of the projection series increases. ^g Total includes only those five states and territories of residence that are considered to have acceptable levels of Indigenous identification in mortality data (NSW, Queensland, WA, SA and the NT). ^h 'Other causes' consist of all conditions excluding the selected causes displayed in the table.

Source: ABS (unpublished) *Causes of Death Australia, 2008*, Cat. No. 3301.0; table EA.17; 2011 Report, table E.6, p. E.43.

Life expectancy

The life expectancies of Indigenous Australians are considerably lower than those of non-Indigenous Australians. ABS experimental estimates indicate a life expectancy at birth of 67.2 years for Indigenous males and 72.9 years for Indigenous females born from 2005 to 2007 (figure E.8 and table EA.18). In the same time period, life expectancy at birth for non-Indigenous males was 78.7 and for non-Indigenous females was 82.6 years (figure E.8 and table EA.18).

Figure E.8 Estimated life expectancies at birth, by Indigenous status and sex, 2005–2007 (years)^{a, b, c}



^a Indigenous estimates of life expectancy are not available for Victoria, SA, Tasmania or the ACT due to the small number of Indigenous deaths in these jurisdictions. ^b Life tables are constructed separately for Males and Females. Life tables were not constructed for Persons, therefore life expectancy estimates for Persons are a weighted combination of Male and Female life expectancies. ^c Australian total includes all states and territories.

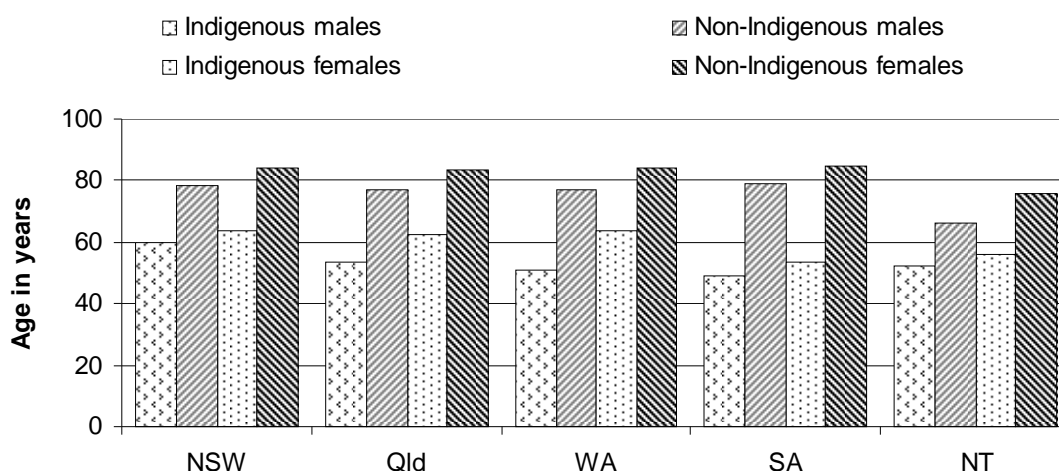
Source: ABS (2009), *Experimental Life Tables for Aboriginal and Torres Strait Islander Australians 2005–2007*, Australia, Cat. no. 3302, Canberra; table EA.18; 2011 Report, figure E.19, p. E.45.

Median age at death

The median age at death represents the age at which exactly half the deaths registered (or occurring) in a given time period were deaths of people above that age and half were deaths below that age. Comparisons of the median age at death for Indigenous and non-Indigenous people are affected by different age structures in the populations and by differences in the extent of identification of Indigenous deaths across jurisdictions and across age groups. Identification of Indigenous status for infant deaths is high, but it falls significantly in older age groups. The median age of death for Indigenous people is, therefore, likely to be an underestimate.

For all Australian males and females in 2008, the median age at death was 78.1 and 84.0 years of age, respectively (figure E.9 and table EA.19). In the jurisdictions for which data were available for Indigenous people the median age at death for male Indigenous Australians was between 49.0 and 59.9 years of age. The median age at death for female Indigenous Australians was between 53.5 and 64.0 years of age (figure E.9 and table EA.19).

Figure E.9 Median age at death, by sex and Indigenous status, 2008^{a, b}



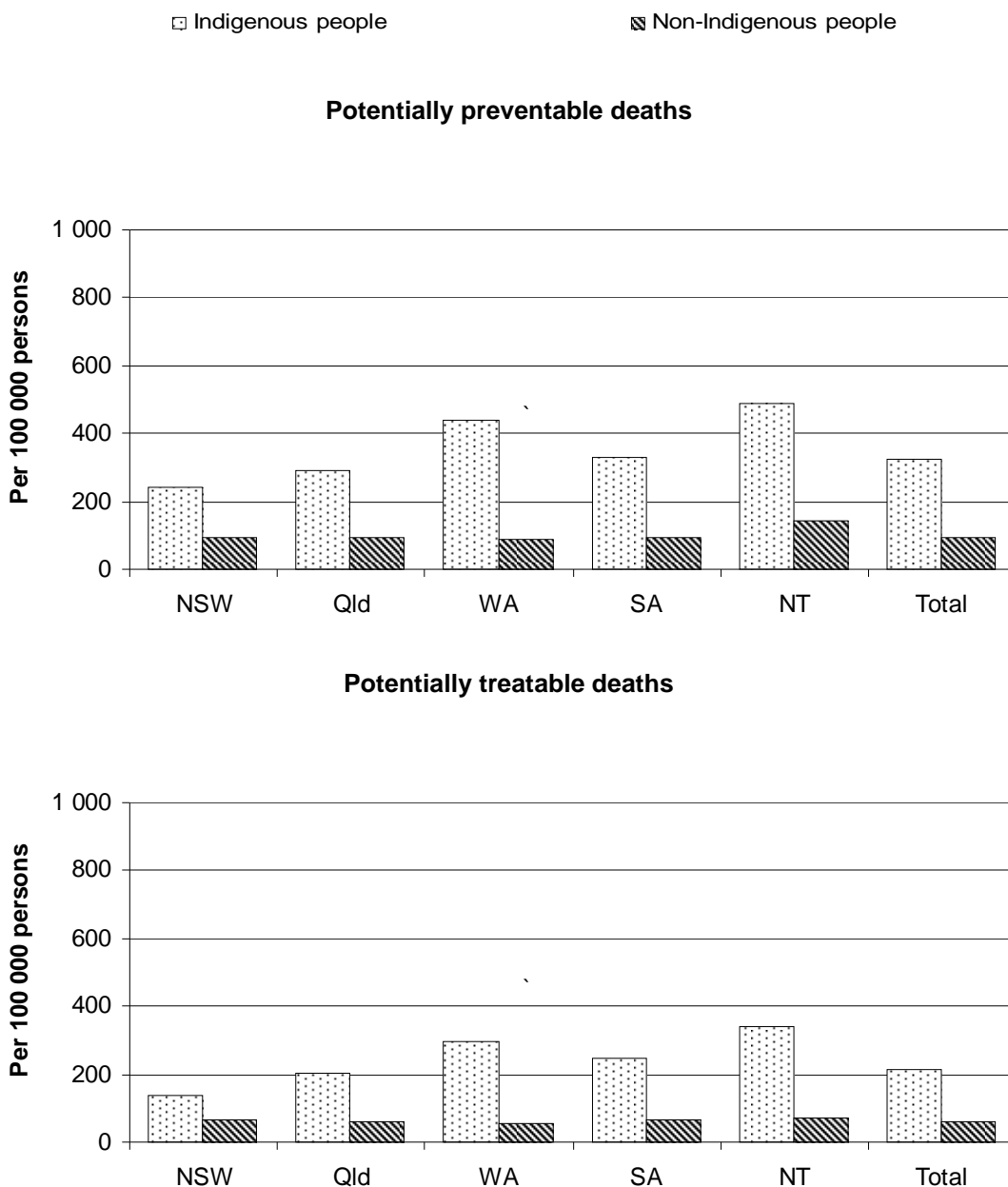
^a Median age at death by Indigenous status is not available for Victoria, Tasmania and the ACT due to data quality issues. ^b The accuracy of Indigenous mortality data is variable as a result of varying rates of coverage across jurisdictions and age groups, and of changes in the estimated Indigenous population caused by changing rates of identification in the Census and births data.

Source: ABS (2009) *Deaths Australia, 2008*, Cat. no. 3302.0, AusInfo, Canberra; table EA.19; 2011 Report, figure E.20, p. E. 46.

Potentially avoidable deaths

Potentially avoidable deaths comprise potentially preventable deaths (deaths amenable to screening and primary prevention, such as immunisation) and deaths from potentially treatable conditions (deaths amenable to therapeutic interventions). Avoidable deaths reflect the effectiveness of the current preventative health activities in the health sector. Indigenous people had significantly higher death rates from potentially avoidable, both preventable and treatable deaths. Nationally, for Indigenous people there were 541.6 potentially avoidable deaths per 100 000 people aged under 75 years over the period 2004–2008, comprising 325.9 potentially preventable deaths per 100 000 people and 215.6 treatable deaths per 100 000 people. Nationally, for non-Indigenous people there were 156.0 potentially avoidable deaths per 100 000 people aged under 75 years over the period 2004–2008, comprising 93.3 potentially preventable deaths per 100 000 people and 62.7 treatable deaths per 100 000 people (figure E.10 and table EA.21). Single year data are presented in table EA.20.

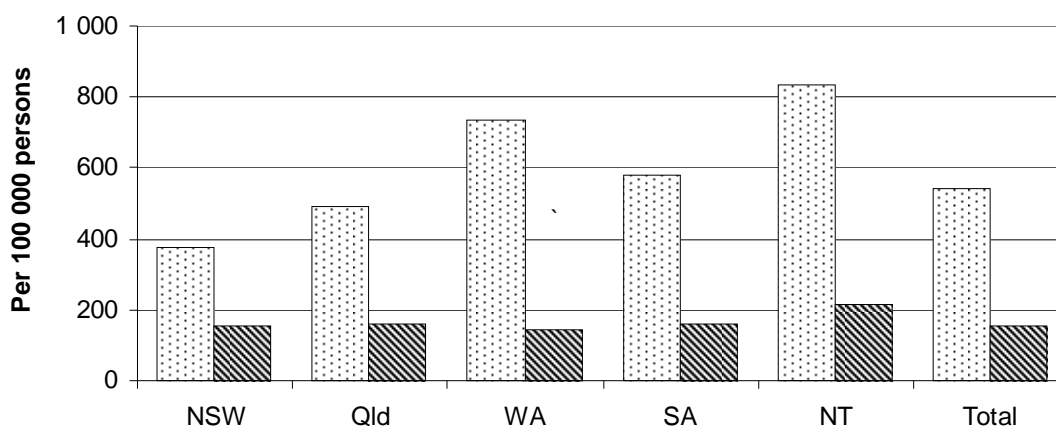
Figure E.10 Age standardised mortality rates of potentially avoidable deaths, under 75 years, by Indigenous status, 2004–08^{a, b, c, d, e, f}



(Continued on next page)

Figure E.10 (Continued)

All potentially avoidable deaths



^a Age standardised to the Australian population as at 30 June 2001. ^b Data are reported by jurisdiction of residence for NSW, Queensland, WA, SA and the NT only. These five states and territories are considered to have adequate levels of Indigenous identification in mortality data. ^c Data are presented in five-year groupings due to the volatility of small numbers each year. ^d Total includes only those five states and territories of residence that are considered to have acceptable levels of Indigenous identification in mortality data (NSW, Queensland, WA, SA and the NT). ^e Preventable deaths are those which are amenable to screening and primary prevention such as immunisation, and reflect the effectiveness of the current preventative health activities of the health sector. ^f Deaths from potentially treatable conditions are those which are amenable to therapeutic interventions, and reflect the safety and quality of the current treatment system.

Source: ABS (unpublished) *Causes of Deaths, Australia, 2008*, Cat. no. 3303.0; table EA.21; 2011 Report, figure E.21, p. E.47-48.

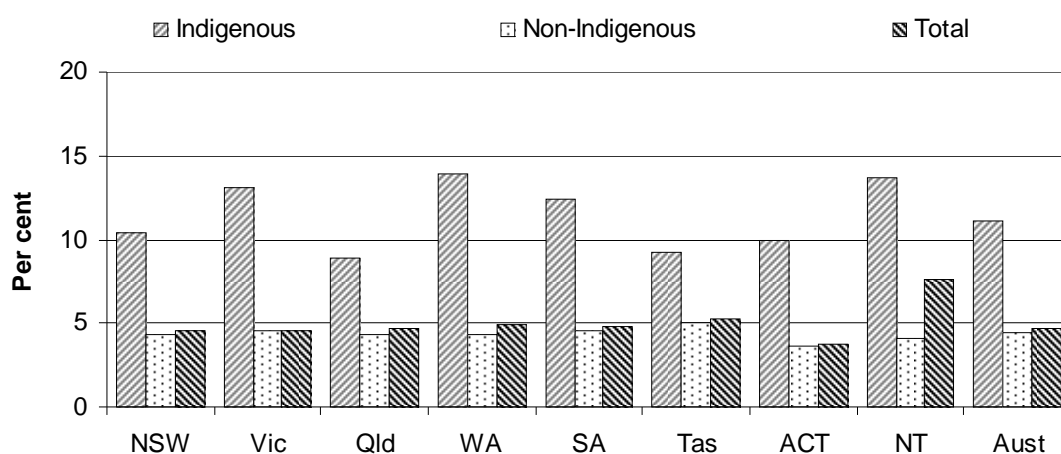
Birthweight of babies

The birthweight of a baby is an important indicator of its health status and future wellbeing. In 2008, 92.0 per cent of liveborn babies in Australia weighed between 2500 and 4499 grams (Laws and Sullivan 2010). The average birthweight for all live births was 3377 grams in 2008 (2011 Report, table EA.53). The average birthweight for liveborn babies of Indigenous mothers was 3196 grams in 2008 (table EA.22). This was 189 grams lighter than the average of 3385 grams for liveborn babies of non-Indigenous mothers (Laws and Sullivan 2010).

Babies' birthweight is defined as low if they weigh less than 2500 grams, very low if they weigh less than 1500 grams and extremely low if they weigh less than 1000 grams (Laws and Sullivan 2010). In 2008, 6.1 per cent of all liveborn babies in Australia weighed less than 2500 grams. This included 1.0 per cent of babies who weighed less than 1500 grams (2011 Report, table EA.53).

Among live babies born to Indigenous mothers in 2008, the proportion with low birthweight was over twice that of those born to non-Indigenous mothers (figure E.11). The number and proportion of live-born singleton babies of low birthweight for the period 2006–2008 are presented in table EA.24.

Figure E.11 Proportion of live-born singleton babies of low birthweight, by maternal Indigenous status, 2008^{a, b, c, d}



^a Low birthweight is defined as less than 2500 grams. ^b Disaggregation by State/Territory is by place of usual residence of the mother. ^c Data excludes Australian non-residents, residents of external territories and where State/Territory of residence was not stated. ^d Excludes stillbirths and multiple births. Births were included if they were at least 20 weeks gestation or at least 400 grams birthweight.

Source: AIHW (unpublished) National Perinatal Data Collection; table EA.23; 2011 Report, figure E.22, p. E. 49.

Future directions

Improving reporting on Indigenous health is a priority across all of the health chapters. This work is informed by the Aboriginal and Torres Strait Islander Health Performance Framework and by National Healthcare Agreement reporting.

COAG developments

Report on Government Services alignment with National Agreement reporting

Further alignment between the Report and NA indicators (including the NIRA) might occur in future reports as a result of developments in NA reporting.

List of attachment tables

Attachment tables for data within this preface are contained in the attachment to the Compendium. These tables are identified in references throughout this preface by an 'A' suffix (for example, table EA.1 is table 1 in the Health attachment). Attachment tables are on the Review website (www.pc.gov.au/gsp).

Table EA.1	Indigenous health workforce, by State/Territory, 2006
Table EA.2	Indigenous people in health workforce as a proportion of total health workforce, by age group and sex, 2006
Table EA.3	Proportion of the health workforce that is Indigenous, by occupation groupings, 2006
Table EA.4	Indigenous persons employed in selected health-related occupations, 2006
Table EA.5	Proportion of the health workforce that is Indigenous, by selected professions, 2008
Table EA.6	Proportion of people who accessed health services by health status, by Indigenous status, 2004-05
Table EA.7	RSEs and confidence intervals for the proportion of people who accessed health services by health status, by Indigenous status, 2004-05
Table EA.8	Rates of obesity for adults and children, by Indigenous status, 2004-05
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Table EA.14	All causes infant (0–1 year) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia
Table EA.15	All causes child (1–4 years) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia
Table EA.16	All causes child (0–4 years) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia
Table EA.17	Age standardised mortality rates and rate ratios by major cause of death, by Indigenous status
Table EA.18	Estimated life expectancies at birth, by Indigenous status and sex, 2005–2007 (years)
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Table EA.20	Age standardised mortality rates of potentially avoidable deaths, under 75 years, by Indigenous status
Table EA.21	Age standardised mortality rates of potentially avoidable deaths, under 75 years, by Indigenous status, by State and Territory
Table EA.22	Birthweights of babies of Indigenous mothers, live births, by State and Territory, 2008
Table EA.23	Proportion of live-born singleton babies of low birthweight, by maternal Indigenous status, 2008
Table EA.24	Proportion of live-born singleton babies of low birthweight, by maternal Indigenous status, 2006–2008

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EA Health preface — attachment

Tables in this attachment are sourced from the Health preface attachment of the 2011 Report — table numbers from the 2011 Report are identified in the source information. For example, a source reference to ‘2011 Report, table EA.15’ refers to attachment table 15 of attachment EA of the 2011 Report.

Definitions for indicators and descriptors in this attachment are in the Health preface in the Compendium.

Data in this Report are examined by the Health Working Group, but have not been formally audited by the Secretariat. Unsourced information was obtained from the Australian, State and Territory governments.

This file is available in Adobe PDF format on the Review web page (www.pc.gov.au/gsp).

Data reported in the attachment tables are the most accurate available at the time of data collection. Historical data may have been updated since the last report.

Attachment contents

Table EA.1	Indigenous health workforce, by State/Territory, 2006
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Table EA.1

Table EA.1 Indigenous health workforce, by State/Territory, 2006 (a), (b), (c)

	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust (d)
Number of Indigenous health workers									
Number of total health workforce	1 743	381	1 343	486	302	196	47	390	4 891
Indigenous health workforce as a proportion of total health workforce	159 158	125 749	93 404	47 749	42 386	11 820	7 613	4 428	492 342
Indigenous population	1.1	0.3	1.4	1.0	0.7	1.7	0.6	8.8	1.0
Total population	85 320	19 017	77 958	37 017	16 268	10 687	2 471	35 014	283 911
Indigenous health workers as a proportion of the Indigenous population (per cent)	5 250 262	3 982 037	3 097 997	1 562 653	1 233 516	382 453	262 107	145 290	15 918 080
Proportion of State/Territory population that is Indigenous	2.0	2.0	1.7	1.3	1.9	1.8	1.9	1.1	1.7
	1.6	0.5	2.5	2.4	1.3	2.8	0.9	24.1	1.8

(a) Aged 15 years and over.

(b) Cells in this table have been randomly adjusted to avoid the release of confidential data.

(c) See table EA.4 for information about the scope of the Indigenous Health Workforce.

(d) Includes Other Territories.

Source: ABS (unpublished); ABS (2007) *2006 Census of Population and Housing*, Canberra; 2011 Report, table EA.12.

Table EA.2

Table EA.2 **Indigenous people in health workforce as a proportion of total health workforce, by age group and sex, 2006 (a)**

<i>Age group</i>	<i>15-24</i>	<i>25-34</i>	<i>35-44</i>	<i>45-54</i>	<i>55-64</i>	<i>Total (b)</i>
Indigenous persons in health workforce, by age by sex						
Males	108	301	388	314	104	1 223
Females	406	803	1 100	984	347	3 666
Total	518	1 098	1 486	1 290	453	4 891
All persons in health workforce, by age by sex						
Males	5 604	24 496	31 374	32 748	19 048	119 386
Females	30 549	78 498	97 751	110 928	49 611	372 961
Total	36 150	102 996	129 125	143 676	68 658	492 342
Proportion of total health workforce (per cent)						
Males	0.3	0.3	0.3	0.2	0.2	0.2
Females	1.1	0.8	0.9	0.7	0.5	0.7
Total	1.4	1.1	1.2	0.9	0.7	1.0

(a) Cells in this table have been randomly adjusted to avoid the release of confidential data.

(b) Includes persons aged 65 years and over.

Source: ABS (unpublished); ABS (2007) *2006 Census of Population and Housing*, Canberra; 2011 Report, table EA.13.

Table EA.3

Table EA.3 Proportion of the health workforce that is Indigenous, by occupation groupings, 2006 (a)

Occupation groupings (c)	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust (b)	
	%	%	%	%	%	%	%	%	%	no.
Medical practitioners	0.2	0.1	0.2	0.1	0.2	0.5	0.3	0.6	0.2	103
Medical imaging workers	0.2	0.1	0.3	–	0.4	–	–	–	0.2	19
Dental workers	0.8	0.2	1.2	0.4	0.4	0.9	0.8	1.9	0.7	203
Nursing workers	0.9	0.3	0.9	0.5	0.4	1.3	0.4	1.9	0.7	1 446
Pharmacists	–	0.1	0.2	0.2	–	–	–	–	0.1	13
Allied health workers	0.8	0.2	0.9	0.7	0.8	1.1	0.6	4.2	0.7	454
Complementary therapists	0.5	0.3	0.8	0.8	0.3	3.1	–	–	0.5	87
Other health workers	2.3	0.7	3.4	2.8	2.0	3.7	1.3	27.2	2.4	3 145
Total Indigenous health workforce as proportion of total health workforce	1.1	0.3	1.4	1.1	0.8	1.7	0.6	8.8	1.0	..
Total Indigenous health workforce	1 933	456	1 472	563	354	216	51	422	5 470	5 470

(a) Proportions exclude persons who did not state their Indigenous status.

(b) Includes Other Territories (Christmas Island, Cocos (Keeling) Islands, and Jervis Bay Territory).

(c) Occupation groupings are based on those used in AIHW *Health and Community Services Labour Force, 2006*.
.. Not applicable. – Nil or rounded to zero.

Source: ABS (unpublished) *2006 Census of Population and Housing*, Cat. no. 2068.0; 2011 Report, table EA.14.

Table EA.4 **Indigenous persons employed in selected health-related occupations, 2006 (a)**

	<i>Indigenous people</i>	<i>All persons</i>	<i>Percent of Indigenous people in selected health-related occupations</i>
Health and welfare services managers (b)	141	10 807	1.3
Psychologists (c)	39	13 437	0.3
<i>Health diagnostic and promotion professionals</i>			
Medical Imaging Professionals (d)	18	10 147	0.2
Environmental Health Officer	98	3 907	2.5
Occupational Health and Safety Adviser	50	6 840	0.7
Health Promotion Officer	437	3 898	11.2
Other health diagnostic and promotion professionals (e)	45	23 287	0.2
Total	648	48 079	1.3
<i>Health therapy professionals</i>			
Dental Practitioners (f)	16	9 065	0.2
Dental Hygienists, Technicians and Therapists (g)	22	5 169	0.4
Dental Assistant	171	15 378	1.1
Physiotherapist	54	12 286	0.4
Other health therapy professionals (h)	58	22 699	0.3
Total	321	64 597	0.5
<i>Medical practitioners</i>			
General Medical Practitioner	60	29 920	0.2
Other medical practitioners, Internal Medicine (i) specialists, Psychiatrists & Surgeons	40	25 155	0.2
Total	100	55 075	0.2
<i>Midwifery and nursing professionals</i>			
Midwives (j)	53	13 164	0.4
Nurse Educators and Researchers (k)	17	3 762	0.5
Nurse Manager	46	10 899	0.4
Registered Nurse (Aged Care)	239	25 070	1.0
Registered Nurse (Community Health)	51	8 771	0.6

Table EA.4 Indigenous persons employed in selected health-related occupations, 2006 (a)

	<i>Indigenous people</i>	<i>All persons</i>	<i>Percent of Indigenous people in selected health-related occupations</i>
Registered Nurse (Critical Care and Emergency)	44	9 917	0.4
Registered Nurse (Mental Health)	48	7 712	0.6
Registered Nurse (Perioperative)	46	10 009	0.5
Other Registered Nurses (I)	679	111 096	0.6
Total	1 223	200 400	0.6
<i>Health and welfare support workers</i>			
Ambulance Officers and Paramedics	153	9 098	1.7
Diversional Therapist	41	4 078	1.0
Enrolled and Mothercraft Nurses	215	19 397	1.1
Aboriginal and Torres Strait Islander Health Worker	965	1 010	95.5
Massage Therapist	54	8 200	0.7
Hospital Orderly	165	9 939	1.7
Nursing Support Worker	442	22 380	2.0
Personal Care Assistant	339	21 956	1.5
Other Nursing Support and Personal Care Workers (m)	39	3 899	1.0
Total	2 413	99 957	2.4
Total aged 15 years and over (n)	4 891	492 342	1.0

(a) Aged 15 years and over.

(b) Comprises Health and Welfare Services Managers, nfd, Medical Administrator, Nursing Clinical Director, Primary Health Organisation Manager, Health and Welfare Services Managers, nec.

(c) Comprises Psychologists, nfd, Clinical Psychologist, Educational Psychologist, Organisational Psychologist, Psychotherapist, Psychologists, nec.

(d) Comprises Medical Imaging Professionals, nfd, Medical Diagnostic Radiographer, Medical Radiation Therapist, Nuclear Medicine Technologist, Sonographer.

(e) Comprises Health Professionals, nfd, Health Diagnostic and Promotion Professionals, nfd, Dietician, Occupational and Environmental Health Professionals, nfd, Optometrists and Orthoptists, nfd, Optometrist, Orthoptist, Pharmacists, nfd, Hospital Pharmacist, Industrial Pharmacist, Retail Pharmacist, Other Health Diagnostic and Promotion Professionals, nfd, Orthotist or Prosthetist, Health Diagnostic and Promotion Professionals, nec.

(f) Comprises Dental Practitioners, nfd, Dental Specialist, Dentist.

(g) Comprises Dental Hygienists, Technicians and Therapists, nfd, Dental Hygienist, Dental Prosthetist, Dental Technician, Dental Therapist.

(h) Comprises Health Therapy Professionals, nfd, Chiropractors and Osteopaths, nfd, Chiropractor, Osteopath, Complementary Health Therapists, nfd, Acupuncturist, Homeopath, Naturopath, Traditional Chinese Medicine Practitioner, Complementary Health Therapists, nec., Occupational Therapist, Podiatrist, Speech Professionals and Audiologists, nfd, Audiologist, Speech Pathologist.

Table EA.4 Indigenous persons employed in selected health-related occupations, 2006 (a)

	<i>Indigenous people</i>	<i>All persons</i>	<i>Percent of Indigenous people in selected health-related occupations</i>
(i) Comprises Medical Practitioners, nfd, Generalist Medical Practitioners, nfd, Resident Medical Officer, Anaesthetist, Internal Medicine Specialists, nfd, Specialist Physician (General Medicine), Cardiologist, Clinical Haematologist, Clinical Oncologist, Endocrinologist, Gastroenterologist, Intensive Care Specialist, Neurologist, Paediatrician, Renal Medicine Specialist, Rheumatologist, Thoracic Medicine Specialist, Internal Medicine Specialists, nec, Psychiatrist, Surgeons, nfd, Surgeon (General), Cardiothoracic Surgeon, Neurosurgeon, Orthopaedic Surgeon, Otorhinolaryngologist, Paediatric Surgeon, Plastic and Reconstructive Surgeon, Urologist, Vascular Surgeon, Other Medical Practitioners, nfd, Dermatologist, Emergency Medicine Specialist, Obstetrician and Gynaecologist, Ophthalmologist, Pathologist, Radiologist, Medical Practitioners, nec.			
(j) Comprises Midwifery and Nursing Professionals, nfd, Midwife.			
(k) Comprises Nurse Educators and Researchers, nfd, Nurse Educator, Nurse Researcher.			
(l) Comprises Registered Nurses, nfd, Nurse Practitioner, Registered Nurse (Child and Family Health), Registered Nurse (Developmental Disability), Registered Nurse (Disability and Rehabilitation), Registered Nurse (Medical), Registered Nurse (Medical Practice), Registered Nurse (Surgical), Registered Nurses, nec.			
(m) Comprises Nursing Support and Personal Care Workers, nfd, Therapy Aide.			
(n) Components may not add to total due to perturbation of component data.			

Source: ABS (2007) *2006 Census of Population and Housing*, Canberra; 2011 Report, table EA.15.

Table EA.5 Proportion of the health workforce that is Indigenous, by selected professions, 2008 (a), (b)

	<i>NSW</i>	<i>Vic</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>Tas</i>	<i>ACT</i>	<i>NT</i>	<i>Aust</i>	
Unit	%	%	%	%	%	%	%	%	%	no.
Selected professions										
Medical practitioners (b), (c), (d)	0.2	0.2	0.4	0.1	0.1	0.2	0.2	1.2	0.2	153
Nurses/midwives (d)	0.8	0.3	0.9	0.2	0.4	1.0	0.2	1.2	0.6	1 598
Total	0.6	0.3	0.8	0.2	0.4	0.9	0.2	1.2	0.5	1 751

- (a) Excludes the response category 'Indigenous status — Not stated'.
- (b) Data for Indigenous medical practitioners should be treated with caution due to the small population size, the overall response rate and unexplained variation between years.
- (c) The total number of medical practitioners in NSW, Queensland and Tasmania are underestimates, as the benchmark figures did not include all registered medical practitioners.
- (d) For WA the 2008 benchmark used was the total number of registered practitioners in 2008 using 2007 age by sex proportions. For WA the benchmark data was inflated by an unknown number of registered medical practitioners that were no longer active in the workforce.
- (e) State and Territory estimates from the 2008 Nursing and Midwifery Labour Force Survey should be treated with caution due to low response rates in some jurisdictions, particularly Victoria (33.3 per cent), Queensland (32.9 per cent), WA (34.4 per cent) and the NT (34.9 per cent). Data quality issues associated with Indigenous identification are likely to have been compounded by estimation procedures used to deal with low responses rates.

Source: AIHW (unpublished) *Health Labour Force Surveys, 2008*; AIHW (unpublished) *Nursing and Midwifery Labour Force Survey 2008*; State and Territory registration board data; 2011 Report, table EA.16.

Table EA.6

Table EA.6 Proportion of people who accessed health services by health status, by Indigenous status, 2004-05 (a), (b), (c)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
Health status (excellent/very good/good)										
Indigenous										
Admitted to hospital	%	14.7	17.1	16.0	19.1	19.2	10.7	9.9	23.3	17.0
Casualty/outpatients/day clinic	%	3.0	1.7	5.0	5.0	6.7	3.3	np	4.4	4.0
Doctor consultation (GP and/or specialist)	%	20.9	24.0	21.2	23.1	25.4	18.4	12.9	23.8	21.9
Dental consultation	%	3.3	np	3.4	np	np	np	np	2.6	3.3
Consultation with other health professional	%	14.5	15.6	18.7	20.7	20.5	9.0	14.1	37.2	19.7
Total accessing health care (d)	%	40.4	47.9	43.4	47.1	46.1	34.3	30.0	55.3	44.3
Non-Indigenous										
Admitted to hospital	%	14.2	13.4	13.2	15.6	13.4	13.3	13.1	10.8	13.8
Casualty/outpatients/day clinic	%	1.6	2.5	1.5	2.0	2.8	2.1	1.8	-	1.9
Doctor consultation (GP and/or specialist)	%	21.0	21.3	20.3	21.9	21.5	21.0	19.4	12.4	21.0
Dental consultation	%	5.5	5.9	5.2	6.4	6.6	5.8	5.6	8.2	5.7
Consultation with other health professional	%	11.6	14.4	14.0	13.3	14.2	12.1	12.1	12.5	13.2
Total accessing health care (d)	%	41.1	41.2	40.4	42.0	43.1	39.9	37.5	35.9	41.1
Health status (fair/poor)										
Indigenous										
Admitted to hospital	%	29.9	34.8	26.1	28.3	27.7	31.9	20.5	39.2	29.7
Casualty/outpatients/day clinic	%	5.0	10.9	14.6	16.3	10.7	7.2	np	10.9	10.8
Doctor consultation (GP and/or specialist)	%	40.6	45.4	34.6	41.1	39.4	52.2	27.4	43.0	39.8

Table EA.6

Table EA.6 Proportion of people who accessed health services by health status, by Indigenous status, 2004-05 (a), (b), (c)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
Dental consultation	%	3.0	np	7.0	np	np	np	np	4.6	4.3
Consultation with other health professional	%	24.6	33.7	28.1	21.3	24.1	24.9	30.5	47.5	27.8
Total accessing health care (d)	%	61.3	71.7	65.8	59.1	61.7	66.6	48.2	70.6	64.1
Non-Indigenous										
Admitted to hospital	%	28.6	25.1	26.3	28.6	26.1	26.5	23.1	49.4	27.1
Casualty/outpatients/day clinic	%	4.9	4.9	5.4	6.4	9.3	6.8	np	np	5.5
Doctor consultation (GP and/or specialist)	%	41.7	44.2	42.7	40.5	41.2	44.0	30.9	20.8	42.1
Dental consultation	%	5.7	6.9	5.7	5.5	8.8	3.6	6.9	–	6.1
Consultation with other health professional	%	19.2	22.2	24.2	23.7	23.7	18.9	27.8	18.0	21.7
Total accessing health care (d)	%	60.7	64.8	62.5	62.2	64.3	58.3	58.5	58.9	62.3

(a) Rates are age standardised by State/Territory to the 2001 estimated resident population (5 year ranges from 15+).

(b) Persons who accessed at least one of the health services noted in the table in the last two weeks or were admitted to hospital in the last 12 months.

(c) Limited to people aged 15 years or over.

(d) Total persons accessing any of the selected health services above. Components may not add to total because persons may have accessed more than one type of health service.

– Nil or rounded to zero. np Not published.

Source: ABS (unpublished) *National Health Survey, 2004-05*; ABS (unpublished) *National Aboriginal and Torres Strait Islander Health Survey, 2004-05*; 2011 Report, table EA.19.

Table EA.7

Table EA.7 RSEs and confidence intervals for the proportion of people who accessed health services by health status, by Indigenous status, 2004-05 (a), (b), (c)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
RSE for Health status (excellent/very good/good)										
Indigenous										
Admitted to hospital	%	13.6	18.9	15.0	13.5	18.7	16.4	29.5	11.9	6.0
Casualty/outpatients/day clinic	%	25.4	38.5	24.1	24.4	46.6	32.6	np	29.6	11.8
Doctor consultation (GP and/or specialist)	%	10.2	15.8	12.0	9.9	14.2	11.4	28.3	11.4	4.9
Dental consultation	%	45.3	np	49.4	np	np	np	np	45.2	26.5
Consultation with other health professional	%	15.8	20.8	14.0	14.3	17.0	18.2	25.5	11.3	6.3
Total accessing health care (d)	%	8.4	6.9	5.9	7.1	9.7	8.1	19.9	6.3	3.2
Non-Indigenous										
Admitted to hospital	%	4.3	5.8	5.0	4.7	4.2	6.9	7.8	44.1	2.4
Casualty/outpatients/day clinic	%	11.7	13.7	15.7	18.4	12.8	18.7	23.3	–	7.2
Doctor consultation (GP and/or specialist)	%	3.2	3.9	4.2	5.0	4.3	5.0	7.7	30.3	1.9
Dental consultation	%	7.8	9.0	7.3	10.0	7.6	10.1	12.8	45.2	4.1
Consultation with other health professional	%	5.8	5.7	5.5	6.2	4.8	7.2	7.2	56.0	2.7
Total accessing health care (d)	%	2.3	2.8	2.5	2.8	2.6	3.3	4.4	18.7	1.3
RSE for Health status (fair/poor)										
Indigenous										
Admitted to hospital	%	13.6	18.8	14.9	13.3	18.1	16.6	29.8	11.5	6.0
Casualty/outpatients/day clinic	%	25.6	38.3	23.9	24.0	45.1	33.1	np	28.6	11.8
Doctor consultation (GP and/or specialist)	%	10.2	15.7	11.9	9.8	13.7	11.6	28.6	11.0	4.8

Table EA.7

Table EA.7 RSEs and confidence intervals for the proportion of people who accessed health services by health status, by Indigenous status, 2004-05 (a), (b), (c)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
Dental consultation	%	45.6	np	49.0	np	np	np	np	43.7	26.4
Consultation with other health professional	%	15.9	20.7	13.9	14.1	16.5	18.4	25.7	11.0	6.2
Total accessing health care (d)	%	8.4	6.9	5.9	7.0	9.4	8.3	20.1	6.1	3.2
Non-Indigenous										
Admitted to hospital	%	8.8	8.0	7.2	11.0	8.2	10.8	15.4	41.0	3.9
Casualty/outpatients/day clinic	%	22.0	19.7	21.7	23.6	22.4	21.8	np	np	9.5
Doctor consultation (GP and/or specialist)	%	6.3	5.9	6.2	7.9	7.6	8.8	12.0	73.5	3.1
Dental consultation	%	23.2	22.8	20.8	26.5	25.4	35.8	27.6	-	10.4
Consultation with other health professional	%	10.0	10.4	9.5	12.8	9.5	14.1	14.5	42.4	5.0
Total accessing health care (d)	%	4.8	4.8	4.5	5.7	4.1	6.9	7.1	35.6	2.4
Indigenous										
Admitted to hospital	± %	4.6	6.2	4.4	4.6	6.2	5.7	6.8	6.8	2.2
Casualty/outpatients/day clinic	± %	1.5	1.9	2.9	3.5	4.4	2.5	3.4	2.9	1.1
Doctor consultation (GP and/or specialist)	± %	5.2	9.2	5.9	7.3	7.4	5.9	8.2	8.5	2.8
Dental consultation	± %	2.1	4.6	2.1	2.5	3.4	3.3	2.8	1.7	0.9
Consultation with other health professional	± %	5.8	6.5	6.1	8.5	7.4	5.3	6.3	7.5	2.9
Total accessing health care (d)	± %	6.9	11.2	6.6	8.5	8.5	6.7	12.4	7.7	3.3
Non-Indigenous										
Admitted to hospital	± %	1.2	1.5	1.3	1.4	1.1	1.8	2.0	9.4	0.7

Table EA.7

Table EA.7 RSEs and confidence intervals for the proportion of people who accessed health services by health status, by Indigenous status, 2004-05 (a), (b), (c)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
Casualty/outpatients/day clinic	± %	0.4	0.7	0.5	0.7	0.7	0.8	0.8	–	0.3
Doctor consultation (GP and/or specialist)	± %	1.3	1.6	1.7	2.1	1.8	2.1	2.9	7.4	0.8
Dental consultation	± %	0.8	1.0	0.8	1.2	1.0	1.2	1.4	7.2	0.5
Consultation with other health professional	± %	1.3	1.6	1.5	1.6	1.3	1.7	1.7	13.8	0.7
Total accessing health care (d)	± %	1.8	2.3	2.0	2.3	2.2	2.6	3.2	13.1	1.1
95 per cent confidence interval for Health status (fair/poor)										
Indigenous										
Admitted to hospital	± %	7.9	12.9	7.7	7.5	10.1	10.2	11.9	9.1	3.5
Casualty/outpatients/day clinic	± %	2.5	8.2	6.9	7.8	9.8	4.6	2.5	6.3	2.5
Doctor consultation (GP and/or specialist)	± %	8.1	14.0	8.2	8.0	11.0	11.7	15.2	9.6	3.8
Dental consultation	± %	2.6	3.0	6.8	1.1	6.3	6.8	9.9	4.1	2.2
Consultation with other health professional	± %	7.6	13.7	7.7	6.0	8.0	8.9	15.3	10.6	3.4
Total accessing health care (d)	± %	10.1	9.8	7.6	8.2	11.7	10.6	18.8	8.7	4.1
Non-Indigenous										
Admitted to hospital	± %	4.9	4.0	3.7	6.2	4.2	5.6	7.0	39.7	2.1
Casualty/outpatients/day clinic	± %	2.1	1.9	2.3	2.9	4.1	2.9	np	np	1.0
Doctor consultation (GP and/or specialist)	± %	5.1	5.1	5.2	6.3	6.1	7.6	7.3	30.0	2.5
Dental consultation	± %	2.6	3.1	2.3	2.9	4.4	2.5	3.7	–	1.2
Consultation with other health professional	± %	3.8	4.5	4.5	6.0	4.4	5.2	7.9	14.9	2.1

Table EA.7

Table EA.7 RSEs and confidence intervals for the proportion of people who accessed health services by health status, by Indigenous status, 2004-05 (a), (b), (c)

Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
Total accessing health care (d)	± %	6.1	5.5	6.9	5.2	7.9	8.2	41.1	2.9

RSE = Relative standard error. Estimates with RSEs between 25 per cent and 50 per cent should be used with caution. Estimates with RSEs greater than 50 per cent are considered too unreliable for general use.

- (a) Rates are age standardised by State/Territory to the 2001 estimated resident population (5 year ranges from 15+).
- (b) Persons who accessed at least one of the health services noted in the table in the last two weeks or were admitted to hospital in the last 12 months.
- (c) Limited to people aged 15 years or over.
- (d) Total persons accessing any of the selected health services above. Components may not add to total because persons may have accessed more than one type of health service.

– Nil or rounded to zero. **np** Not published.

Source: ABS (unpublished) *National Health Survey, 2004-05*; ABS (unpublished) *National Aboriginal and Torres Strait Islander Health Survey, 2004-05*; 2011 Report, table EA.20.

Table EA.8

Table EA.8 Rates of obesity for adults and children, by Indigenous status, 2004-05 (a), (b), (c), (d)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust	
Age standardised rate	%	36.9	28.9	34.8	35.4	35.3	26.2	36.4	25.0	33.6	
95 per cent confidence intervals	± %	5.9	8.2	5.1	7.8	7.5	6.8	10.5	7.6	2.8	
RSE	%	8.1	14.5	7.5	11.2	10.8	13.3	14.7	15.5	4.2	
Number of obese population	('000)	20.1	3.1	20.8	8.7	3.9	2.0	0.7	7.5	67.7	
					Indigenous adults						
Age standardised rate	%	17.7	17.0	18.3	17.2	19.3	19.3	14.8	18.5	17.7	
95 per cent confidence intervals	± %	1.2	1.5	1.7	2.0	1.6	2.3	8.5	2.0	0.7	
RSE	%	3.5	4.6	4.7	5.8	4.3	6.1	29.2	5.5	2.0	
Number of obese population	('000)	811.7	587.2	480.0	225.0	199.4	59.1	40.3	13.2	2 415.9	
					Non-Indigenous adults						
Rate	%	na	na	na	na	na	na	na	na	na	
95 per cent confidence intervals	± %	na	na	na	na	na	na	na	na	na	
RSE	%	na	na	na	na	na	na	na	na	na	
Number of obese population	('000)	na	na	na	na	na	na	na	na	na	
					Indigenous children (15–17 yrs)						
Rate	%	na	na	na	na	na	na	na	na	na	
95 per cent confidence intervals	± %	na	na	na	na	na	na	na	na	na	
RSE	%	na	na	na	na	na	na	na	na	na	
Number of obese population	('000)	na	na	na	na	na	na	na	na	na	
					Non-Indigenous children (15–17 yrs)						
Rate	%	na	na	na	na	na	na	na	na	na	
95 per cent confidence intervals	± %	na	na	na	na	na	na	na	na	na	
RSE	%	na	na	na	na	na	na	na	na	na	
Number of obese population	('000)	na	na	na	na	na	na	na	na	na	

RSE = Relative standard error. Estimates with RSEs between 25 per cent and 50 per cent should be used with caution. Estimates with RSEs greater than 50 per cent are considered too unreliable for general use.

(a) Adults are defined as persons aged 18 years and over. Children are defined as persons aged 15–17 years (different to 2007-08 data which was for persons aged 5–17 years).

(b) Obesity for adults is defined as BMI equal to or greater than 30. Obesity for children is defined as BMI (appropriate for age and sex) that is likely to be 30 or more at age 18 years. Data is self-reported data only.

Table EA.8

Table EA.8 Rates of obesity for adults and children, by Indigenous status, 2004-05 (a), (b), (c), (d)

Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
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(c) BMI calculated from self-reported height and weight. This differs from data reported in other tables which were for measured BMI. Data excludes persons for whom height or weight was not reported.

(d) Rates are age standardised by State and Territory, to the 2001 Estimated Resident Population (10 year ranges from 18). Rates for children 15–17 are not age standardised.

na Not available.

Source: ABS (unpublished) *National Aboriginal and Torres Strait Islander Health Survey, 2004-05*; ABS (unpublished) *National Health Survey, 2004-05*; 2011 Report, table EA.29.

Table EA.9

Table EA.9 Proportion of adults who are daily smokers, by Indigenous status, 2007-08 (a)

	Unit	NSW	Vic	Q/d	WA	SA	Tas	ACT	NT	Aust
Age standardised rate	%	47.6	46.6	42.8	39.6	47.0	44.2	29.8	46.6	44.8
95 per cent confidence intervals	± %	4.6	4.1	4.3	4.5	5.7	5.7	7.6	5.1	2.0
RSE	%	4.9	4.5	5.1	5.8	6.2	6.6	13.1	5.6	2.3
Number of daily smokers	'000	42.5	9.3	36.6	17.2	7.9	5.1	0.9	19.2	138.7
					Non-Indigenous adults (c)					
Age standardised rate	%	18.8	17.3	21.5	16.9	20.0	23.5	16.0	22.2	18.9
95 per cent confidence intervals	± %	1.9	1.6	2.0	2.0	2.3	3.1	2.0	12.3	0.9
RSE	%	5.1	4.8	4.6	6.2	5.8	6.7	6.4	28.2	2.4
Number of daily smokers	'000	947.0	673.0	642.3	256.9	229.5	78.6	24.7	41.5	2 893.4

RSE = Relative standard error. Estimates with RSEs between 25 per cent and 50 per cent should be used with caution. Estimates with RSEs greater than 50 per cent are considered too unreliable for general use.

(a) Rates are age standardised by State and Territory, to the 2001 Estimated Resident Population (10 year ranges from 18–55 years and over).

(b) Data for the Indigenous people are based on the ABS *National Aboriginal and Torres Strait Islander Social Survey*, 2008.

(c) Data for the non-Indigenous people are based on the ABS *National Health Survey*, 2007-08.

Source: ABS (unpublished) *National Aboriginal and Torres Strait Islander Social Survey*, 2008; ABS (unpublished) *National Health Survey*, 2007-08; 2011 Report, table EA.33.

Table EA.10

Table EA.10 Proportion of adults at risk of long term harm from alcohol, by Indigenous status, 2004-05 (a), (b)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT (c)	NT	Aust
Age standardised rate	%	16.6	16.6	17.5	16.0	16.0	12.6	9.3	7.2	15.4
95 per cent confidence intervals	± %	3.6	8.3	4.0	3.7	7.2	3.5	5.1	3.0	1.8
RSE	%	11.0	25.5	11.6	11.7	23.0	14.0	28.1	21.2	6.1
Number of adults at risk	('000)	13.0	2.7	13.4	6.9	2.5	1.2	0.3	2.6	42.5
					Non-Indigenous adults					
Age standardised rate	%	13.0	12.2	14.3	16.3	14.7	11.6	14.2	17.5	13.5
95 per cent confidence intervals	± %	1.2	1.3	1.3	2.1	1.5	1.8	2.2	10.8	0.6
RSE	%	4.7	5.5	4.7	6.4	5.1	7.8	8.0	31.4	2.3
Number of adults at risk	('000)	645.7	458.6	399.9	231.1	165.0	39.3	34.3	16.1	1 990.0

RSE = Relative standard error. Estimates with RSEs between 25 per cent and 50 per cent should be used with caution. Estimates with RSEs greater than 50 per cent are considered too unreliable for general use.

(a) Rates are age standardised by State and Territory, to the 2001 Estimated Resident Population (10 year ranges from 0).

(b) Risky/high risk alcohol consumption in the long term.

(c) The Indigenous estimate should be treated with caution.

Source: ABS (unpublished) *National Aboriginal and Torres Strait Islander Health Survey, 2004-05*; ABS (unpublished) *National Health Survey, 2004-05*; 2011 Report, table EA.36.

Table EA.11

Table EA.11 Incidence of selected cancers by Indigenous status, 2007

Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust	no.
Age standardised rate per 100 000 population										
Bowel cancer (a)										
Indigenous rate	37.7	49.4	51.0	40.0	12.9	17.4	np	38.1	40.2	82
Other (b) rate	63.8	63.3	64.7	56.6	65.7	80.5	np	74.5	63.8	14 152
Lung cancer (a)										
Indigenous rate	55.4	77.4	95.6	65.2	60.5	55.5	–	44.1	67.2	136
Other (b) rate	42.8	43.9	43.5	41.4	40.3	48.5	np	58.5	43.0	9 567
Melanoma of the skin (a)										
Indigenous rate	np	14.0	7.3	7.0	–	–	–	np	np	np
Other (b) rate	46.2	39.3	64.1	45.9	34.7	42.7	np	31.7	46.6	10 179
Female breast cancer (c)										
Indigenous rate	71.5	41.6	75.4	94.8	28.2	74.2	–	np	68.1	86
Other (b) rate	110.0	110.3	110.9	102.4	117.4	98.6	np	87.8	109.8	12 481
Cervical cancer (c)										
Indigenous rate	15.7	8.5	5.6	22.7	22.0	–	np	np	14.0	23
Other (b) rate	7.5	5.8	6.6	7.2	5.0	7.9	np	np	6.7	716
95 per cent confidence interval										
Bowel cancer (a)										
Indigenous ±	23.1–57.5	18.2–104.8	31.4–77.4	17.3–75.7	1.5–46.7	2.1–62.8	np	14.9–75.5	31.1–50.9	..
Other (b) ±	62.0–65.6	61.3–65.5	62.3–67.2	53.4–59.9	62.1–69.5	73.3–88.2	np	56.7–95.7	62.7–64.8	..
Lung cancer (a)										
Indigenous ±	37.6–78.1	36.1–142.5	67.8–130.2	35.1–109.1	24.8–121.6	14.4–136.5	–	20.8–79.5	55.4–80.5	..
Other (b) ±	41.4–44.4	42.2–45.7	41.6–45.6	38.7–44.3	37.5–43.3	42.9–54.5	np	43.0–77.4	42.2–43.9	..
Melanoma of the skin (a)										
Indigenous ±	np	0.8–53.4	1.7–18.4	0.0–28.6	–	–	–	np	np	..

Table EA.11

Table EA.11 Incidence of selected cancers by Indigenous status, 2007

Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
Other (b) ±	44.7–47.8	37.6–41.0	61.7–66.6	43.0–48.9	32.0–37.6	37.3–48.5	np	22.8–42.7	45.7–47.6
Female breast cancer (c)									
Indigenous ±	44.7–107.5	11.2–106.6	47.5–112.5	48.1–164.8	3.4–101.9	9.7–230.5	–	np	53.3–85.5
Other (b) ±	106.7–113.5	106.5–114.3	106.5–115.4	96.4–108.6	110.5–124.6	87.3–110.9	np	63.0–118.3	107.9–111.8
Cervical cancer (c)									
Indigenous ±	7.0–29.9	0.2–47.2	1.1–16.7	4.8–58.1	0.6–122.4	–	np	np	8.3–21.7
Other (b) ±	6.6–8.5	4.9–6.8	5.5–7.8	5.7–9.1	3.6–6.9	4.9–12.2	np	np	6.2–7.2

(a) Age-standardised to the Australian population as at 30 June 2001, using five-year age groups to 64 years, and expressed per 100 000 persons.

(b) 'Other' comprises non-Indigenous and unknown Indigenous status.

(c) Age-standardised to the Australian population as at 30 June 2001, using five-year age groups to 64 years, and expressed per 100 000 females.

.. Not applicable. – Nil or rounded to zero. **np** Not published.

Source: AIHW (unpublished) *Australian Cancer Database*; ABS (unpublished) *Estimated Residential Population, 30 June 2007*; ABS (2009) *Experimental Estimates and Projections, Aboriginal and Torres Strait Islander Australians, 1991 to 2021*, 30 June 2007, Series B, Cat. no. 3238.0; 2011 Report, table EA.38.

**Table EA.12 Mortality rates, age standardised for all causes (per 1000 people)
(a), (b)**

	NSW	Vic	Qld	WA (c)	SA (d)	Tas	ACT	NT	Aust (e)
All Australians, annual									
2003	6.5	6.3	6.4	6.3	6.6	7.4	5.9	9.4	6.5
2004	6.4	6.1	6.5	6.0	6.2	7.1	5.7	8.7	6.3
2005	6.1	5.9	6.0	5.9	6.2	6.9	5.7	9.3	6.0
2006	6.0	5.9	6.0	5.8	6.0	6.8	5.5	8.7	6.0
2007	5.9	5.8	6.1	5.9	6.1	6.9	5.6	8.9	6.0
2008	6.0	5.8	6.2	5.9	6.0	6.9	5.8	9.2	6.0
Indigenous (f), (g)									
2000–2004	na	na	12.0	13.2	11.7	na	na	17.1	13.4
2001–2005	na	na	11.7	13.3	11.2	na	na	16.7	13.1
2002–2006	na	na	11.9	14.0	11.0	na	na	16.8	13.3
2003–2007	9.8	na	11.0	15.1	10.5	na	na	16.3	11.0
2004–2008	9.8	na	10.7	16.7	10.3	na	na	15.8	11.1
Non-Indigenous (h), (i)									
2000–2004	na	na	6.6	6.2	6.6	na	na	7.0	6.5
2001–2005	na	na	6.4	6.1	6.5	na	na	7.0	6.4
2002–2006	na	na	6.3	6.0	6.4	na	na	6.9	6.2
2003–2007	6.2	na	6.1	5.8	6.2	na	na	7.3	6.1
2004–2008	6.1	na	6.1	5.8	6.1	na	na	7.3	6.0

- (a) Deaths are based on year of registration of death.
- (b) Deaths per 1000 standard population. Standardised death rates use total persons in the 2001 Australian population as the standard population.
- (c) The unusually high Indigenous mortality rate for WA in 2008 is under investigation by the ABS.
- (d) Death rates data for 2007 have been revised.
- (e) Includes all states and territories.
- (f) Calculations of rates for the Indigenous population are based on *ABS Experimental Projections, Aboriginal and Torres Strait Islander Australians 1991 to 2009* (ABS Cat. no. 3238.0, low series, 2001 base). There are no comparable population data for the non-Indigenous population. Calculations of rates for comparison with the Indigenous population are derived by subtracting Indigenous population projections from total Estimated Resident Population and should be used with care, as these data include deaths and population units for which Indigenous status were not stated. ERP used in calculations are final ERP based on 2006 Census.
- (g) Historical rates in this table/figure may differ from those in previous Reports, as new Indigenous population estimates and projections have been released following the *2006 Census of Population and Housing*.
- (h) Includes deaths of non-Indigenous persons and those for whom Indigenous status was not stated.
- (i) Non-Indigenous estimates are available for census years only. In the intervening years, Indigenous population figures are derived from assumptions about past and future levels of fertility, mortality and migration. In the absence of non-Indigenous population figures for these years, it is possible to derive denominators for calculating non-Indigenous rates by subtracting the Indigenous population from the total population. Such figures have a degree of uncertainty and should be used with caution, particularly as the time from the base year of the projection series increases.

na Not available.

Table EA.12 **Mortality rates, age standardised for all causes (per 1000 people)**
(a), (b)

	<i>NSW</i>	<i>Vic</i>	<i>Qld</i>	<i>WA (c)</i>	<i>SA (d)</i>	<i>Tas</i>	<i>ACT</i>	<i>NT</i>	<i>Aust (e)</i>
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Source: ABS (unpublished) *Deaths Australia, 2008*; ABS (2009) *Deaths 2008*, Australia, Cat. no. 3302.0, AusInfo, Canberra; 2011 Report, table EA.40.

Table EA.13

Table EA.13 Infant mortality rate, three year average (per 1000 live births) (a)

	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust (b)
All Australians									
1997–1999	5.1	5.1	6.0	5.0	4.3	6.6	5.1	12.2	5.3
1998–2000	5.1	4.9	6.1	4.7	4.3	6.4	5.3	11.9	5.3
1999–2001	5.4	5.0	5.9	4.7	4.5	6.5	4.3	11.4	5.4
2000–2002	5.0	4.8	6.0	4.6	4.8	6.1	3.5	11.2	5.2
2001–2003	4.8	5.0	5.5	4.5	4.5	6.5	4.1	10.1	5.0
2002–2004	4.6	4.9	5.3	4.1	4.0	5.6	5.4	10.1	4.8
2003–2005	4.7	4.9	5.0	4.2	4.0	4.7	6.1	9.6	4.8
2004–2006	4.8	4.6	5.2	4.5	3.8	3.7	5.9	9.7	4.8
2005–2007	4.7	4.4	5.1	4.0	4.3	3.9	4.9	9.0	4.6
2006–2008	4.5	3.9	5.1	3.6	3.5	4.0	4.6	7.8	4.3
Indigenous									
2002–2004	8.5	na	10.9	14.1	9.4	na	na	15.4	10.5
2003–2005	8.4	na	10.9	12.8	7.7	na	na	15.6	10.2
2004–2006	7.5	na	11.1	11.9	6.7	na	na	16.7	10.0
2005–2007	8.9	na	9.1	10.2	8.9	na	na	15.7	9.6
2006–2008	7.7	na	7.9	10.1	6.4	na	na	13.6	8.5
Non-Indigenous (c)									
2002–2004	4.5	na	4.8	3.4	3.8	na	na	6.3	4.5
2003–2005	4.6	na	4.6	3.6	3.9	na	na	5.2	4.6
2004–2006	4.7	na	4.8	3.9	3.7	na	na	4.7	4.6
2005–2007	4.5	na	4.8	3.5	4.1	na	na	4.2	4.4
2006–2008	4.4	na	4.8	3.0	3.4	na	na	3.8	4.1

(a) Infant deaths per 1000 live births.

(b) Includes all states and territories.

(c) Includes births and deaths of non-Indigenous persons and those for whom Indigenous status was not stated.

na Not available.

Source: ABS (various years) *Deaths Australia, 2008*, Cat. no. 3302.0, AusInfo, Canberra; 2011 Report, table EA41.

Table EA.14

Table EA.14 **All causes infant (0–1 year) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia (a), (b), (c), (d), (e), (f)**

	<i>Unit</i>	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total (g)</i>
<i>2005–2009</i>							
Number of deaths							
Indigenous	no.	131	188	99	28	106	552
Non-Indigenous	no.	1 873	1 280	418	330	46	3 947
Percentage							
Indigenous	%	6.5	12.8	19.1	7.8	69.7	12.3
Non-Indigenous	%	93.5	87.2	80.9	92.2	30.3	87.7
Rate (h)							
Indigenous	per 1000 live births	7.1	8.9	9.3	6.8	13.7	8.9
Non-Indigenous	per 1000 live births	4.3	4.7	3.2	3.7	4.1	4.2
Rate ratio (i)							
		1.6	1.9	2.9	1.8	3.4	2.1
Rate difference (j)							
		2.7	4.1	6.0	3.1	9.6	4.6
<i>2004–2008</i>							
Number of deaths							
Indigenous	no.	140	178	106	27	115	566
Non-Indigenous (k)	no.	1 876	1 201	410	311	48	3 846
Percentage							
Indigenous	%	6.9	12.9	20.5	8.0	70.6	12.8
Non-Indigenous (k)	%	93.1	87.1	79.5	92.0	29.4	87.2
Rate (h)							
Indigenous	per 1000 live births	7.8	9.2	10.6	6.9	14.9	9.6
Non-Indigenous (k)	per 1000 live births	4.4	4.7	3.3	3.6	4.4	4.3
Rate ratio (i)							
		1.8	2.0	3.2	2.0	3.4	2.3
Rate difference (j)							
		3.4	4.5	7.3	3.4	10.6	5.4
<i>2003–2007</i>							
Number of deaths							
Indigenous	no.	147	176	104	28	121	576
Non-Indigenous (k)	no.	1 831	1 136	399	314	49	3 729
Percentage							
Indigenous	%	7.4	13.4	20.7	8.2	71.2	13.4
Non-Indigenous (k)	%	92.6	86.6	79.3	91.8	28.8	86.6
Rate (h)							
Indigenous	per 1000 live births	8.6	9.5	11.3	8.0	15.5	10.3
Non-Indigenous (k)	per 1000 live births	4.4	4.7	3.4	3.7	4.5	4.3
Rate ratio (i)							
		2.0	2.0	3.3	2.2	3.4	2.4
Rate difference (j)							
		4.2	4.9	7.9	4.3	11.0	6.0

* Some totals and figures may not compute due to the effects of rounding.

(a) Includes all deaths within the first year of life.

Table EA.14 All causes infant (0–1 year) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia (a), (b), (c), (d), (e), (f)

<i>Unit</i>	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total (g)</i>
(b)	Data are reported by jurisdiction of residence for NSW, Queensland, WA, SA and the NT only. These five states and territories are considered to have adequate levels of Indigenous identification in mortality data.					
(c)	Data are presented in five-year groupings due to volatility of the small numbers involved.					
(d)	Although most deaths of Indigenous people are registered, it is likely that some are not accurately identified as Indigenous. Therefore, these data are likely to underestimate the Indigenous all causes mortality rate.					
(e)	Deaths where Indigenous status was not stated are excluded. As a result, infant death rates by Indigenous status may be underestimated.					
(f)	Data based on reference year. See data quality statements for a more detailed explanation.					
(g)	Total includes only those five states and territories of residence that are considered to have acceptable levels of Indigenous identification in mortality data (NSW, Queensland, WA, SA and the NT).					
(h)	For infant deaths (less than one year), the rates represent the number of deaths per 1000 live births. Infant deaths per 1000 live births. The volatility in infant mortality rates is partially due to the relatively small number of infant deaths registered.					
(i)	Rate ratio is the Indigenous mortality rate divided by the non-Indigenous mortality rate.					
(j)	Rate difference is the Indigenous mortality rate less the non-Indigenous mortality rate.					
(k)	Non-Indigenous estimates are available for census years only. In the intervening years, Indigenous population figures are derived from assumptions about past and future levels of fertility, mortality and migration. In the absence of non-Indigenous population figures for these years, it is possible to derive denominators for calculating non-Indigenous rates by subtracting the Indigenous population from the total population. Such figures have a degree of uncertainty and should be used with caution, particularly as the time from the base year of the projection series increases.					

Source: ABS (unpublished) *Deaths, Australia* (Cat. no. 3302.0); ABS (unpublished) *Births, Australia* (Cat. no. 3301.0); 2011 Report, table EA.43.

Table EA.15

Table EA.15 **All causes child (1–4 years) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia (a), (b), (c), (d), (e), (f), (g)**

	<i>Unit</i>	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total (h), (i)</i>
<i>2005–2009</i>							
Number of deaths							
Indigenous	no.	26	41	29	7	26	129
Non-Indigenous	no.	318	233	89	79	9	728
Percentage							
Indigenous	%	7.6	15.0	24.6	8.1	74.3	15.1
Non-Indigenous	%	92.4	85.0	75.4	91.9	25.7	84.9
Rate (j), (k)							
Indigenous	per 100 000 population	34.1	53.8	86.5	52.7	85.0	56.1
Non-Indigenous	per 100 000 population	19.0	22.8	17.8	22.6	22.4	20.3
Rate ratio (l)							
		1.8	2.4	4.9	2.3	3.8	2.8
Rate difference (m)							
		15.1	31.0	68.7	30.0	62.6	35.8
<i>2004–2008</i>							
Number of deaths							
Indigenous	no.	27	39	27	7	22	122
Non-Indigenous (k)	no.	350	250	93	75	9	777
Percentage							
Indigenous	%	7.2	13.5	22.5	8.5	71.0	13.6
Non-Indigenous (k)	%	92.8	86.5	77.5	91.5	29.0	86.4
Rate (m)							
Indigenous	per 100 000 population	35.8	51.5	80.5	52.4	70.5	53.2
Non-Indigenous (k)	per 100 000 population	21.2	25.2	19.2	21.7	23.1	22.1
Rate ratio (l)							
		1.7	2.0	4.2	2.4	3.1	2.4
Rate difference (m)							
		14.6	26.3	61.3	30.7	47.4	31.1
<i>2003–2007</i>							
Number of deaths							
Indigenous	no.	22	43	25	5	21	116
Non-Indigenous (k)	no.	377	247	100	73	10	807
Percentage							
Indigenous	%	5.5	14.8	20.0	6.4	67.7	12.6
Non-Indigenous (k)	%	94.5	85.2	80.0	93.6	32.3	87.4
Rate (n)							
Indigenous	per 100 000 population	29.1	57.1	72.8	np	64.9	50.2
Non-Indigenous (k)	per 100 000 population	23.0	25.5	21.1	21.2	25.7	23.3
Rate ratio (l)							
		1.3	2.2	3.4	np	2.5	2.2

Table EA.15 All causes child (1–4 years) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia (a), (b), (c), (d), (e), (f), (g)

<i>Unit</i>	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total (h), (i)</i>
Rate difference (m)	6.0	31.6	51.7	np	39.1	26.9

* Some totals and figures may not compute due to the effects of rounding.

- (a) Census year non-Indigenous and Indigenous estimates are sourced from ABS Experimental Estimates of Aboriginal and Torres Strait Islander Australians (Cat. no. 3238.0.55.001).
- (b) Includes all deaths aged 1 to 4 years.
- (c) Data are reported by jurisdiction of residence for NSW, Queensland, WA, SA and the NT only. These five states and territories are considered to have adequate levels of Indigenous identification in mortality data.
- (d) Deaths where Indigenous status was not stated are excluded. As a result, mortality rates by Indigenous status may be underestimated.
- (e) Data based on reference year. See data quality statements for a more detailed explanation.
- (f) Data are presented in five-year groupings because of small numbers each year.
- (g) Although most deaths of Indigenous people are registered, it is likely that some are not accurately identified as Indigenous. Therefore, these data are likely to underestimate the Indigenous all causes mortality rate.
- (h) Data are for NSW, Queensland, WA, SA and NT combined, based on state or territory of usual residence. Victoria, Tasmania and the ACT are excluded due to small numbers of registered Indigenous deaths.
- (i) Total includes only those five states and territories of residence that are considered to have acceptable levels of Indigenous identification in mortality data (NSW, Queensland, WA, SA and the NT).
- (j) Child death rates based on the average number of death registrations between 2005-2009, divided by the Estimated Resident Population (ERP) at 30 June 2007.
- (k) Non-Indigenous estimates are available for census years only. In the intervening years, Indigenous population figures are derived from assumptions about past and future levels of fertility, mortality and migration. In the absence of non-Indigenous population figures for these years, it is possible to derive denominators for calculating non-Indigenous rates by subtracting the Indigenous population from the total population. Such figures have a degree of uncertainty and should be used with caution, particularly as the time from the base year of the projection series increases.
- (l) Rate ratio is the Indigenous mortality rate divided by the non-Indigenous mortality rate.
- (m) Rate difference is the Indigenous mortality rate less the non-Indigenous mortality rate.
- (n) For child deaths (1–4 years), the rates represent the number of deaths per 100 000 Estimated Resident Population (1–4 years) for the mid point year.

np Not published.

Source: ABS (unpublished) *Deaths, Australia*, Cat. no. 3302.0; 2011 Report, table EA.44.

Table EA.16

Table EA.16 **All causes child (0–4 years) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia (a), (b), (c), (d), (e), (f)**

	<i>Unit</i>	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total (g), (h)</i>
<i>2005–2009</i>							
Number of deaths							
Indigenous	no.	157	229	128	35	132	681
Non-Indigenous	no.	2 191	1 513	507	409	55	4 675
Percentage							
Indigenous	%	6.7	13.1	20.2	7.9	70.6	12.7
Non-Indigenous	%	93.3	86.9	79.8	92.1	29.4	87.3
Rate (i)							
Indigenous	per 100 000 population	162.3	238.1	304.4	209.2	343.4	234.7
Non-Indigenous	per 100 000 population	104.5	117.6	79.7	92.9	108.1	103.7
Rate ratio (k)							
		1.6	2.0	3.8	2.3	3.2	2.3
Rate difference (l)							
		57.8	120.4	224.8	116.3	235.3	131.0
<i>2004–2008</i>							
Number of deaths							
Indigenous	no.	167	217	133	34	137	688
Non-Indigenous	no.	2 226	1 451	503	386	57	4 623
Percentage							
Indigenous	%	7.0	13.0	20.9	8.1	70.6	13.0
Non-Indigenous	%	93.0	87.0	79.1	91.9	29.4	87.0
Rate (j)							
Indigenous	per 100 000 population	174.8	228.7	314.4	204.3	352.5	238.7
Non-Indigenous	per 100 000 population	106.7	116.3	82.6	89.2	115.0	104.5
Rate ratio (k)							
		1.6	2.0	3.8	2.3	3.1	2.3
Rate difference (l)							
		68.1	112.3	231.8	115.1	237.5	134.2
<i>2003–2007</i>							
Number of deaths							
Indigenous	no.	169	219	129	33	142	692
Non-Indigenous	no.	2 208	1 383	499	387	59	4 536
Percentage							
Indigenous	%	7.1	13.7	20.5	7.9	70.6	13.2
Non-Indigenous	%	92.9	86.3	79.5	92.1	29.4	86.8
Rate (j)							
Indigenous	per 100 000 population	178.3	230.4	302.3	197.1	357.5	239.5
Non-Indigenous	per 100 000 population	107.9	113.9	84.2	90.2	120.6	104.7
Rate ratio (k)							
		1.7	2.0	3.6	2.2	3.0	2.3

Table EA.16 All causes child (0–4 years) mortality, by Indigenous status, NSW, Queensland, WA, SA, NT and Australia (a), (b), (c), (d), (e), (f)

<i>Unit</i>	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total (g), (h)</i>
Rate difference (l)	70.5	116.5	218.1	107.0	236.9	134.8

* Some totals and figures may not compute due to the effects of rounding.

- (a) Non-Indigenous estimates are available for census years only. In the intervening years, Indigenous population figures are derived from assumptions about past and future levels of fertility, mortality and migration. In the absence of non-Indigenous population figures for these years, it is possible to derive denominators for calculating non-Indigenous rates by subtracting the Indigenous population from the total population. Such figures have a degree of uncertainty and should be used with caution, particularly as the time from the base year of the projection series increases.
- (b) Includes all deaths aged 0 to 4 years.
- (c) Deaths where Indigenous status was not stated are excluded. As a result, mortality rates by Indigenous states may be underestimated.
- (d) Data based on reference year. See data quality statements for a more detailed explanation.
- (e) Data are reported by jurisdiction of residence for NSW, Queensland, WA, SA and the NT only. These five states and territories are considered to have adequate levels of Indigenous identification in mortality data.
- (f) Data are presented in five-year groupings because of small numbers each year.
- (g) Data are for NSW, Qld, WA, SA and NT combined, based on State or Territory of usual residence. Victoria, Tasmania and the ACT are excluded due to small numbers of registered Indigenous deaths.
- (h) Total includes only those five states and territories of residence that are considered to have acceptable levels of Indigenous identification in mortality data (NSW, Queensland, WA, SA and the NT).
- (i) Child death rates based on the average number of death registrations between 2005-2009, divided by the Estimated Resident Population (ERP) at 30 June 2007.
- (j) For child deaths (0–4 years), the rates represent the number of deaths per 100 000 Estimated Resident Population (0–4 years) for the mid point year.
- (k) Rate ratio is the Indigenous mortality rate divided by the non-Indigenous mortality rate.
- (l) Rate difference is the Indigenous mortality rate less the non-Indigenous mortality rate.

Source: ABS (unpublished) *Deaths, Australia*, Cat. no. 3302.0; 2011 Report, table EA.45.

Table EA.17

Table EA.17 Age standardised mortality rates and rate ratios by major cause of death, by Indigenous status (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

	NSW	Qld	WA	SA	NT	Total (k)
2004-2008						
Cause of death	Age standardised mortality rate: Indigenous persons (per 100 000 population)					
Circulatory diseases (I00-I99)	439.6	477.7	699.6	539.1	770.6	542.7
Neoplasms (cancer) (C00-D48)	226.9	263.5	337.4	225.7	322.9	267.6
External causes of morbidity and mortality (V01-Y98)	56.5	75.4	140.4	117.6	166.6	95.2
Endocrine, metabolic and nutritional disorders (E00-E90)	60.4	146.6	217.5	108.8	222.7	135.3
Respiratory diseases (J00-J99)	116.7	112.0	208.6	143.0	273.3	152.4
Digestive diseases (K00-K93)	66.6	76.6	139.5	83.4	170.7	96.0
Kidney Diseases (N00-N29)	29.8	44.2	64.4	49.7	142.7	55.9
Conditions originating in the perinatal period (P00-P96)	4.6	6.3	6.3	5.6	9.2	6.1
Infectious and parasitic diseases (A00-B99)	19.7	22.9	35.6	20.1	58.8	28.5
Nervous system diseases (G00-G99)	26.1	24.1	66.6	52.1	51.5	37.0
Other causes (I)	66.7	78.6	166.9	70.0	144.0	96.5
All causes	1 078.6	1 310.7	2 089.7	1 428.3	2 326.4	1 497.6
	Age standardised mortality rate: Non-Indigenous persons (per 100 000 persons)					
Cause of death						
Circulatory diseases (I00-I99)	218.7	215.6	190.4	211.0	199.8	213.3
Neoplasms (cancer) (C00-D48)	182.5	178.7	178.1	184.4	185.5	181.2
External causes of morbidity and mortality (V01-Y98)	34.6	38.6	38.0	37.9	60.8	36.8
Endocrine, metabolic and nutritional disorders (E00-E90)	20.0	22.1	23.4	24.2	30.1	21.5
Respiratory diseases (J00-J99)	51.9	51.4	44.2	52.9	65.3	51.0
Digestive diseases (K00-K93)	20.5	20.4	19.8	20.8	29.0	20.4
Kidney Diseases (N00-N29)	11.2	10.0	9.5	12.6	12.6	10.9

Table EA.17

Table EA.17 Age standardised mortality rates and rate ratios by major cause of death, by Indigenous status (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

	NSW	Qld	WA	SA	NT	Total (k)
Conditions originating in the perinatal period (P00-P96)	3.1	3.1	2.0	2.1	2.9	2.8
Infectious and parasitic diseases (A00-B99)	10.4	7.0	7.0	8.4	13.3	8.8
Nervous system diseases (G00-G99)	21.7	21.4	27.7	23.9	16.6	22.6
Other causes (l)	42.5	40.8	38.3	41.4	48.7	41.4
All causes	617.1	609.0	578.8	619.2	687.1	610.7
	Rate ratio (m)					
Cause of death						
Circulatory diseases (I00-I99)	2.0	2.2	3.7	2.6	3.9	2.5
Neoplasms (cancer) (C00-D48)	1.2	1.5	1.9	1.2	1.7	1.5
External causes of morbidity and mortality (V01-Y98)	1.6	2.0	3.7	3.1	2.7	2.6
Endocrine, metabolic and nutritional disorders (E00-E90)	3.0	6.6	9.3	4.5	7.4	6.3
Respiratory diseases (J00-J99)	2.2	2.2	4.7	2.7	4.2	3.0
Digestive diseases (K00-K93)	3.3	3.8	7.1	4.0	5.9	4.7
Kidney Diseases (N00-N29)	2.7	4.4	6.8	4.0	11.3	5.1
Conditions originating in the perinatal period (P00-P96)	1.5	2.0	3.1	2.6	3.1	2.1
Infectious and parasitic diseases (A00-B99)	1.9	3.3	5.1	2.4	4.4	3.2
Nervous system diseases (G00-G99)	1.2	1.1	2.4	2.2	3.1	1.6
Other causes (l)	1.6	1.9	4.4	1.7	3.0	2.3
All causes	1.7	2.2	3.6	2.3	3.4	2.5
2003-2007						
Cause of death	Age standardised mortality rate: Indigenous persons (per 100 000 population)					
Circulatory diseases (I00-I99)	454.9	520.0	631.1	585.6	833.7	561.2

Table EA.17

Table EA.17 Age standardised mortality rates and rate ratios by major cause of death, by Indigenous status (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

	NSW	WA	SA	NT	Total (k)
Neoplasms (cancer) (C00-D48)	229.5	314.2	224.1	324.3	262.3
External causes of morbidity and mortality (V01-Y98)	56.4	122.4	114.1	166.6	93.7
Endocrine, metabolic and nutritional disorders (E00-E90)	59.2	200.8	125.4	194.3	130.5
Respiratory diseases (J00-J99)	118.7	208.0	155.2	298.6	162.9
Digestive diseases (K00-K93)	69.7	124.7	80.1	188.6	97.6
Kidney Diseases (N00-N29)	25.1	59.0	52.2	140.9	52.6
Conditions originating in the perinatal period (P00-P96)	4.5	6.7	5.5	9.2	6.1
Infectious and parasitic diseases (A00-B99)	19.0	28.9	20.8	54.4	26.8
Nervous system diseases (G00-G99)	28.0	59.0	49.8	52.4	37.2
Other causes (I)	68.7	163.2	70.1	151.0	97.0
All causes	1 095.1	1 923.5	1 477.3	2 391.3	1 504.8
Age standardised mortality rate: Non-Indigenous persons (per 100 000 persons)					
Cause of death					
Circulatory diseases (I00-I99)	223.1	194.4	218.5	212.4	218.2
Neoplasms (cancer) (C00-D48)	182.5	179.7	184.1	188.0	181.2
External causes of morbidity and mortality (V01-Y98)	34.6	37.3	37.4	58.1	36.6
Endocrine, metabolic and nutritional disorders (E00-E90)	19.4	22.8	23.5	30.8	20.8
Respiratory diseases (J00-J99)	53.5	46.0	57.0	65.7	52.8
Digestive diseases (K00-K93)	20.4	19.6	21.1	28.8	20.5
Kidney Diseases (N00-N29)	10.8	9.2	12.0	11.7	10.4
Conditions originating in the perinatal period (P00-P96)	3.1	2.2	2.2	3.1	2.9
Infectious and parasitic diseases (A00-B99)	10.4	7.1	8.0	11.4	8.8
Nervous system diseases (G00-G99)	21.3	26.7	20.9	14.1	21.6
Other causes (I)	39.6	37.6	38.9	49.5	38.9

Table EA.17

Table EA.17 Age standardised mortality rates and rate ratios by major cause of death, by Indigenous status (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

	NSW	Q/d	WA	SA	NT	Total (k)
All causes	618.5	609.0	582.9	623.6	693.7	612.6
	Rate ratio (m)					
Cause of death						
Circulatory diseases (I00-I99)	2.0	2.4	3.2	2.7	3.9	2.6
Neoplasms (cancer) (C00-D48)	1.3	1.4	1.7	1.2	1.7	1.4
External causes of morbidity and mortality (V01-Y98)	1.6	2.1	3.3	3.0	2.9	2.6
Endocrine, metabolic and nutritional disorders (E00-E90)	3.1	7.1	8.8	5.3	6.3	6.3
Respiratory diseases (J00-J99)	2.2	2.5	4.5	2.7	4.5	3.1
Digestive diseases (K00-K93)	3.4	3.8	6.4	3.8	6.6	4.8
Kidney Diseases (N00-N29)	2.3	4.4	6.4	4.4	12.1	5.0
Conditions originating in the perinatal period (P00-P96)	1.4	2.0	3.1	2.6	2.9	2.1
Infectious and parasitic diseases (A00-B99)	1.8	3.4	4.1	2.6	4.8	3.0
Nervous system diseases (G00-G99)	1.3	1.3	2.2	2.4	3.7	1.7
Other causes (I)	1.7	2.0	4.3	1.8	3.1	2.5
All causes	1.8	2.2	3.3	2.4	3.4	2.5

* Some totals and figures may not compute due to the effects of rounding.

(a) 2008 data have been subject to a process improvement which has increased the quality of these data. See Causes of Death, Australia, 2008 (Cat. no. 3303.0) Technical Note 1: 2008 COD Collection - Process Improvement for further information.

(b) Causes of death data for 2008 are preliminary and subject to a revisions process. See Causes of Death, Australia, 2008 (Cat. no. 3303.0) Technical Note 2: Revisions Process for further information.

(c) Causes of death data for 2007 have been revised and are subject to further revisions. See Causes of Death, Australia, 2008 (Cat. no. 3303.0) Technical Note 2: Revisions Process for further information.

Table EA.17

Table EA.17 Age standardised mortality rates and rate ratios by major cause of death, by Indigenous status (a), (b), (c), (d), (e), (f), (g), (h), (i), (j)

	NSW	Q/d	WA	SA	NT	Total (k)
(d)	Age standardised death rates enable the comparison of death rates between populations with different age structures by relating them to a standard population. The current ABS standard population is all persons in the Australian population at 30 June 2001. Standardised death rates (SDRs) are expressed per 100 000 persons. SDRs in this table have been calculated using the indirect method, age standardised by 5 year age group to 75 years and over. Rates calculated using the indirect method are not comparable to rates calculated using the direct method.					
(e)	Although most deaths of Indigenous people are registered, it is likely that some are not accurately identified as Indigenous. Therefore, these data are likely to underestimate the Indigenous 'all causes' mortality rate.					
(f)	Data are reported individually by jurisdiction of residence for NSW, Queensland, WA, SA and the NT only. These five states and territories are considered to have acceptable levels of Indigenous identification in mortality data.					
(g)	Data are presented in five-year groupings due to the volatility of small numbers each year.					
(h)	Data based on reference year. See data quality statements for a more detailed explanation.					
(i)	Census year non-Indigenous and Indigenous estimates are sourced from Experimental Estimates of Aboriginal and Torres Strait Islander Australians (Cat. no. 3238.0.55.001).					
(j)	Non-Indigenous estimates are available for census years only. In the intervening years, Indigenous population figures are derived from assumptions about past and future levels of fertility, mortality and migration. In the absence of non-Indigenous population figures for these years, it is possible to derive denominators for calculating non-Indigenous rates by subtracting the Indigenous population from the total population. Such figures have a degree of uncertainty and should be used with caution, particularly as the time from the base year of the projection series increases.					
(k)	Total includes only those five states and territories of residence that are considered to have acceptable levels of Indigenous identification in mortality data (NSW, Queensland, WA, SA and the NT).					
(l)	Other causes' consist of all conditions excluding the selected causes displayed in the table.					
(m)	Rate ratio is the crude Indigenous rate divided by the non-Indigenous rate.					

Source: ABS (unpublished) *Causes of Death, Australia, 2008*, Cat. no. 3301.0; ABS (unpublished) *Causes of Death, Australia, 2007*, Cat. no. 3301.0; 2011 Report, table EA.47.

Table EA.18 Estimated life expectancies at birth, by Indigenous status and sex, 2005–2007 (years) (a), (b)

	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>NT</i>	<i>Aust (b)</i>
Indigenous					
Life expectancy at birth					
Males	69.9	68.3	65.0	61.5	67.2
Females	75.0	73.6	70.4	69.2	72.9
Persons (c)	72.4	70.9	67.6	65.3	70.0
Upper and lower 95 per cent confidence intervals					
Males	68.6–71.2	67.3–69.3	63.8–66.2	60.5–62.5	66.3–68.1
Females	73.9–76.1	72.8–74.4	69.4–71.4	68.4–70.0	72.1–73.7
Persons	na	na	na	na	na
Non-Indigenous					
Life expectancy at birth					
Males	78.7	78.6	79.0	75.7	78.7
Females	82.5	82.5	82.9	81.2	82.6
Difference between Indigenous and non-Indigenous life expectancies at birth					
Males (d)	8.8	10.4	14.0	14.2	11.5
Females (d)	7.5	8.9	12.5	11.9	9.7
Persons (e), (c)	8.2	9.6	13.3	13.1	10.6
Total					
Life expectancy at birth					
Males	78.5	78.4	78.7	72.0	78.5
Females	82.4	82.3	82.5	77.6	82.4

(a) Indigenous estimates of life expectancy are not available for Victoria, SA, Tasmania or the ACT due to the small number of Indigenous deaths in these jurisdictions.

(b) Australian total includes all states and territories.

(c) Life tables are constructed separately for Males and Females. Life tables were not constructed for Persons, therefore life expectancy estimates for Persons are a weighted combination of Male and Female life expectancies.

(d) Based on unrounded estimates.

(e) Based on rounded estimates.

na Not available.

Source: ABS (2009) *Experimental Life Tables for Aboriginal and Torres Strait Islander Australians, Australia, 2005–2007*, Cat. no. 3302.0; 2011 Report, table EA.49.

Table EA.19

Table EA19	Median age at death (years) (a), (b)								
	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust (c)
All Australians									
Males									
2003	76.3	76.8	75.6	75.6	77.5	75.8	74.3	57.2	76.3
2004	76.9	77.3	75.9	75.6	77.4	76.6	74.9	55.0	76.6
2005	77.0	77.4	76.1	76.0	77.7	76.3	76.0	56.8	76.8
2006	77.7	78.0	76.4	76.4	78.2	76.9	75.9	57.2	77.3
2007	77.9	78.2	76.7	76.2	78.6	76.6	76.7	59.2	77.5
2008 (d)	78.4	78.8	77.1	76.6	79.1	78.2	78.1	62.1	78.1
Females									
2003	82.6	82.7	82.0	82.2	83.0	82.1	81.4	62.8	82.4
2004	82.7	82.9	82.2	82.0	83.2	82.6	81.0	61.4	82.6
2005	83.1	83.2	82.5	82.8	83.7	82.7	82.4	57.1	83.0
2006	83.4	83.6	82.8	82.6	84.0	83.1	82.7	65.1	83.3
2007	83.6	83.9	83.1	83.1	84.2	83.6	82.5	60.3	83.5
2008 (d)	84.1	84.3	83.5	83.8	84.6	83.3	83.0	62.4	84.0
Indigenous (e), (f)									
Males									
2003	56.8	np	51.2	50.2	48.8	np	np	46.3	np
2004	55.8	np	53.7	50.0	49.5	np	np	43.8	np
2005	54.3	np	51.1	52.8	42.4	np	np	45.8	np
2006	59.3	np	55.6	47.9	50.4	np	np	45.4	np
2007	58.1	np	54.7	53.3	50.5	np	np	45.9	np
2008	59.9	np	53.2	51.2	49.0	np	np	52.1	np
Females									
2003	58.9	np	62.1	55.0	50.0	np	np	52.8	np
2004	62.7	np	57.9	63.6	53.5	np	np	54.0	np
2005	65.8	np	59.5	57.8	47.5	np	np	50.4	np
2006	64.8	np	57.0	57.0	59.3	np	np	55.3	np
2007	63.0	np	59.5	59.3	58.3	np	np	55.7	np
2008	63.8	np	62.3	64.0	53.5	np	np	56.0	np
Non-Indigenous (e), (f)									
Males									
2003	76.5	np	75.9	76.1	77.7	np	np	65.9	np
2004	77.0	np	76.2	76.3	77.6	np	np	63.0	np
2005	77.2	np	76.4	76.6	77.9	np	np	63.7	np
2006	77.8	np	76.7	76.9	78.3	np	np	64.7	np
2007	78.1	np	77.1	76.9	78.7	np	np	64.6	np
2008	78.5	np	77.3	77.1	79.2	np	np	66.3	np

Table EA.19

Table EA19 Median age at death (years) (a), (b)

	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust (c)
Females									
2003	82.7	np	82.2	82.4	83.2	np	np	74.5	np
2004	82.8	np	82.5	82.3	83.3	np	np	71.3	np
2005	83.1	np	82.6	83.2	83.7	np	np	70.5	np
2006	83.5	np	83.1	83.1	84.1	np	np	75.0	np
2007	83.7	np	83.3	83.4	84.3	np	np	69.3	np
2008	84.2	np	83.7	84.1	84.6	np	np	75.7	np

- (a) Median age at death does not adjust for the age structure of the populations involved.
- (b) Based on deaths registered to 31 December 2008.
- (c) Figures for Australia include 'Other Territories'.
- (d) Data for 2008 are incomplete due to the delay between the occurrence and registration of a death.
- (e) Deaths for whom the Indigenous status was not specified have not been prorated over Indigenous and non-Indigenous deaths. As a result, Indigenous and non-Indigenous deaths may be underestimated.
- (f) Care should be exercised when comparing median age at death of Indigenous Australians and non-Indigenous Australians. For example, higher coverage of Indigenous infant deaths compared with older age groups may result in the median age at death being underestimated.

np Not published.

Source: ABS (2009) *Deaths Australia, 2008*, Cat. no. 3302.0, AusInfo, Canberra; 2011 Report, table EA.50.

Table EA.20 Age standardised mortality rates of potentially avoidable deaths, under 75 years, by Indigenous status (a), (b), (c), (d), (e), (f)

	<i>Unit</i>	<i>Total (g)</i>
<i>2008</i>		
Potentially preventable deaths (h)		
Indigenous people		
Number of deaths	no.	864
Rate (a)	per 100 000	321.8
Non-Indigenous people		
Number of deaths	no.	13 442
Rate (a)	per 100 000	91.3
Deaths from potentially treatable conditions (i)		
Indigenous people		
Number of deaths	no.	519
Rate (a)	per 100 000	210.2
Non-Indigenous people		
Number of deaths	no.	8 716
Rate (a)	per 100 000	58.8
All potentially avoidable deaths (b)		
Indigenous people (c)		
Number of deaths	no.	1 383
Rate (a)	per 100 000	532.1
Non-Indigenous people (i)		
Number of deaths	no.	22 158
Rate (a)	per 100 000	150.1
<i>2007</i>		
Potentially preventable deaths (h)		
Indigenous people (c)		
Number of deaths	no.	852
Rate (a)	per 100 000	332.5
Non-Indigenous people (i)		
Number of deaths	no.	13 091
Rate (a)	per 100 000	91.2
Deaths from potentially treatable conditions (i)		
Indigenous people (c)		
Number of deaths	no.	512
Rate (a)	per 100 000	214.7
Non-Indigenous people (i)		
Number of deaths	no.	8 766
Rate (a)	per 100 000	60.9
All potentially avoidable deaths (b)		
Indigenous people (c)		
Number of deaths	no.	1 363

Table EA.20 Age standardised mortality rates of potentially avoidable deaths, under 75 years, by Indigenous status (a), (b), (c), (d), (e), (f)

	<i>Unit</i>	<i>Total (g)</i>
Rate (a)	per 100 000	547.2
Non-Indigenous people (i)		
Number of deaths	no.	21 856
Rate (a)	per 100 000	152.1

- (a) Age standardised death rates enable the comparison of death rates between populations with different age structures by relating them to a standard population. The current ABS standard population is all persons in the Australian population at 30 June 2001. Standardised death rates (SDRs) are expressed per 1000 or 100 000 persons. SDRs in this table have been calculated using the direct method. Rates calculated using the direct method are not comparable to rates calculated using the indirect method.
- (b) Avoidable mortality has been defined in the Public Health Information Development Unit's (PHIDU) report, Australian and New Zealand Atlas of Avoidable Mortality (2006), and in reports by NSW Health and Victorian Department of Human Services as mortality before the age of 75 years, from conditions which are potentially avoidable within the present health system.
- (c) Non-Indigenous estimates are available for census years only. In the intervening years, Indigenous population figures are derived from assumptions about past and future levels of fertility, mortality and migration. In the absence of non-Indigenous population figures for these years, it is possible to derive denominators for calculating non-Indigenous rates by subtracting the Indigenous population from the total population. Such figures have a degree of uncertainty and should be used with caution, particularly as the time from the base year of the projection series increases.
- (d) Data based on reference year. See data quality statements for a more detailed explanation.
- (e) Scope is persons aged less than 75 years.
- (f) Data are reported by jurisdiction of residence for NSW, Queensland, WA, SA and the NT only. These five states and territories are considered to have adequate levels of Indigenous identification in mortality data.
- (g) Total includes only those five states and territories of residence that are considered to have acceptable levels of Indigenous identification in mortality data (NSW, Queensland, WA, SA and the NT).
- (h) Preventable deaths are those which are amenable to screening and primary prevention such as immunisation, and reflecting the effectiveness of the current preventative health activities of the health sector).
- (i) Deaths from potentially treatable conditions are those which are amenable to therapeutic interventions, and reflecting the safety and quality of the current treatment system.

Source: ABS (unpublished) *Causes of Death, Australia, 2008*; ABS (unpublished) *Causes of Death, Australia, 2007*; 2011 Report, table EA.51.

Table EA.21

Table EA.21 Age standardised mortality rates of potentially avoidable deaths, under 75 years, by Indigenous status, by State and Territory (a), (b), (c), (d), (e), (f), (g), (h)

	<i>Unit</i>	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total (i)</i>
<i>2004–2008</i>							
Potentially preventable deaths (j)							
Indigenous people							
Number of deaths	no.	952	1 021	848	266	907	3 993
Rate (a)	per 100 000	239.5	291.3	439.9	332.4	491.5	325.9
Non-Indigenous people							
Number of deaths	no.	30 130	18 124	8 503	7 539	830	65 126
Rate (a)	per 100 000	91.9	95.2	89.4	95.8	144.5	93.3
Deaths from potentially treatable conditions (k)							
Indigenous people							
Number of deaths	no.	543	688	519	176	588	2 513
Rate (a)	per 100 000	138.7	202.6	295.8	245.8	342.4	215.6
Non-Indigenous people							
Number of deaths	no.	21 127	11 996	5 321	5 080	379	43 903
Rate (a)	per 100 000	64.2	63.0	55.9	63.7	70.5	62.7
All potentially avoidable deaths (b)							
Indigenous people							
Number of deaths	no.	1 494	1 708	1 366	442	1 495	6 505
Rate (a)	per 100 000	378.2	493.9	735.7	578.2	833.9	541.6
Non-Indigenous people							
Number of deaths	no.	51 257	30 120	13 823	12 619	1 209	109 028
Rate (a)	per 100 000	156.1	158.2	145.4	159.4	215.0	156.0
<i>2003–2007</i>							
Potentially preventable deaths (j)							
Indigenous people							
Number of deaths	no.	937	1 045	743	265	896	3 884
Rate (a)	per 100 000	249.0	310.0	410.7	346.4	513.4	334.1
Non-Indigenous people							
Number of deaths	no.	30 469	17 892	8 338	7 681	780	65 158
Rate (a)	per 100 000	94.2	96.9	90.2	99.0	143.5	95.3
Deaths from potentially treatable conditions (k)							
Indigenous people							
Number of deaths	no.	545	696	477	183	588	2 487
Rate (a)	per 100 000	144.6	212.6	283.4	259.4	361.7	222.0
Non-Indigenous people							
Number of deaths	no.	21 434	12 066	5 396	5 245	386	44 525
Rate (a)	per 100 000	66.1	65.3	58.4	66.8	77.1	65.1

Table EA.21 Age standardised mortality rates of potentially avoidable deaths, under 75 years, by Indigenous status, by State and Territory (a), (b), (c), (d), (e), (f), (g), (h)

	<i>Unit</i>	<i>NSW</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>NT</i>	<i>Total (i)</i>
All potentially avoidable deaths (b)							
Indigenous people							
Number of deaths	no.	1 481	1 740	1 219	448	1 483	6 371
Rate (a)	per 100 000	393.6	522.6	694.1	605.7	875.1	556.1
Non-Indigenous people							
Number of deaths	no.	51 902	29 957	13 733	12 925	1 165	109 682
Rate (a)	per 100 000	160.3	162.2	148.7	165.8	220.6	160.4

* Some totals and figures may not compute due to the effects of rounding.

- (a) Age standardised death rates enable the comparison of death rates between populations with different age structures by relating them to a standard population. The current ABS standard population is all persons in the Australian population at 30 June 2001. Standardised death rates (SDRs) are expressed per 1000 or 100 000 persons. SDRs in this table have been calculated using the direct method. Rates calculated using the direct method are not comparable to rates calculated using the indirect method.
- (b) Avoidable mortality has been defined in the Public Health Information Development Unit's (PHIDU) report, Australian and New Zealand Atlas of Avoidable Mortality (2006), and in reports by NSW Health and Victorian Department of Human Services as mortality before the age of 75 years, from conditions which are potentially avoidable within the present health system.
- (c) Census year non-Indigenous and Indigenous estimates are sourced from Experimental Estimates of Aboriginal and Torres Strait Islander Australians (Cat. no. 3238.0.55.001).
- (d) Non-Indigenous estimates are available for census years only. In the intervening years, Indigenous population figures are derived from assumptions about past and future levels of fertility, mortality and migration. In the absence of non-Indigenous population figures for these years, it is possible to derive denominators for calculating non-Indigenous rates by subtracting the Indigenous population from the total population. Such figures have a degree of uncertainty and should be used with caution, particularly as the time from the base year of the projection series increases.
- (e) Data based on reference year. See data quality statements for a more detailed explanation.
- (f) Scope is persons aged less than 75 years.
- (g) Data are reported by jurisdiction of residence for NSW, Queensland, WA, SA and the NT only. These five states and territories are considered to have adequate levels of Indigenous identification in mortality data.
- (h) Data are presented in five-year groupings due to the volatility of small numbers each year.
- (i) Total includes only those five states and territories of residence that are considered to have acceptable levels of Indigenous identification in mortality data (NSW, Queensland, WA, SA and the NT).
- (j) Preventable deaths are those which are amenable to screening and primary prevention such as immunisation, and reflect the effectiveness of the current preventative health activities of the health sector).
- (k) Deaths from potentially treatable conditions are those which are amenable to therapeutic interventions, and reflect the safety and quality of the current treatment system.

Source: ABS (unpublished) *Causes of Death, Australia, 2008*; ABS (unpublished) *Causes of Death, Australia, 2007*; 2011 Report, table EA.52.

Table EA.22

Table EA.22 Birthweights of babies of Indigenous mothers, live births, by State and Territory, 2008 (a)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT (b)	NT	Aust
Mean birthweight	grams	3 241	3 184	3 232	3 113	3 116	3 266	3 012	3 156	3 196
Number of babies by birthweight										
Less than 1500g	no.	56	14	73	38	20	5	6	30	242
1500–2499g	no.	268	88	278	212	82	31	21	161	1 141
2500–2999g	no.	601	139	661	394	145	53	17	312	2 322
3000–3499g	no.	996	245	1 184	576	193	92	32	470	3 788
3500–3999g	no.	761	168	884	367	132	87	23	298	2 720
4000–4499g	no.	251	56	259	86	46	np	np	98	825
4500g and over	no.	48	9	50	15	8	np	<5	25	164
Not stated	no.	1	–	1	–	–	–	–	–	2
All births	no.	2 982	719	3 390	1 688	626	299	106	1 394	11 204
Less than 2500g	no.	324	102	351	250	102	36	27	191	1 383
Proportion of babies by birthweight										
Less than 1500g	%	1.9	1.9	2.2	2.3	3.2	1.7	5.7	2.2	2.2
1500–2499g	%	9.0	12.2	8.2	12.6	13.1	10.4	19.8	11.5	10.2
2500–2999g	%	20.2	19.3	19.5	23.3	23.2	17.7	16.0	22.4	20.7
3000–3499g	%	33.4	34.1	34.9	34.1	30.8	30.8	30.2	33.7	33.8
3500–3999g	%	25.5	23.4	26.1	21.7	21.1	29.1	21.7	21.4	24.3
4000–4499g	%	8.4	7.8	7.6	5.1	7.3	np	np	7.0	7.4
4500g and over	%	1.6	1.3	1.5	0.9	1.3	np	np	1.8	1.5
Not stated	%	–	–	–	–	–	–	–	–	–
All births	%	100.0	100.0	100.0	100.0	100.0	100.0	93.4	100.0	100.0
Less than 2500g	%	10.9	14.2	10.4	14.8	16.3	12.0	25.5	13.7	12.3

(a) This table cannot be compared with birthweight for all births to Indigenous mothers in previous reports.

Table EA.22

Table EA.22 Birthweights of babies of Indigenous mothers, live births, by State and Territory, 2008 (a)

	<i>Unit</i>	<i>NSW</i>	<i>Vic</i>	<i>Qld</i>	<i>WA</i>	<i>SA</i>	<i>Tas</i>	<i>ACT (b)</i>	<i>NT</i>	<i>Aust</i>
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(b) In the ACT, 29.1 per cent of Indigenous women who gave birth were non-ACT residents. Care must be taken when interpreting percentages. For example, the percentage of live born babies born in the ACT to ACT resident Indigenous women in 2008 where the birthweight was less than 2500 grams the percentage was 13.5 per cent.

– Nil or rounded to zero. **np** Not published.

Source: Laws P. & Sullivan E. (2010) *Australia's Mothers and Babies 2008*, AIHW Cat. no. PER 50, AIHW National Perinatal Statistics Unit (Perinatal Statistics Series no. 24), Sydney; 2011 Report, table EA.54.

Table EA.23

Table EA.23 Proportion of live-born singleton babies of low birthweight, by maternal Indigenous status, 2008 (a), (b), (c), (d)

Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
	%	%	%	%	%	%	%	%	%
Indigenous status									
Indigenous	10.4	13.1	8.9	14.0	12.4	9.2	10.0	13.7	11.2
Non-Indigenous	4.3	4.5	4.4	4.3	4.6	5.0	3.7	4.1	4.4
Total	4.5	4.6	4.6	4.9	4.8	5.2	3.8	7.6	4.7
Indigenous status									
Indigenous	no. 314	85	294	233	75	26	7	184	1 218
Non-Indigenous	no. 3 947	3 067	2 445	1 213	849	298	166	98	12 083
Total number (e)	4 280	3 155	2 742	1 446	924	324	174	282	13 327

(a) Low birthweight is defined as less than 2500 grams.

(b) Disaggregation by State/Territory is by place of usual residence of the mother.

(c) Data excludes Australian non-residents, residents of external territories and where State/Territory of residence was not stated.

(d) Excludes stillbirths and multiple births. Births were included if they were at least 20 weeks gestation or at least 400 grams birthweight.

(e) Total includes number of babies for which Indigenous status of the mother was not stated.

Source: AIHW (unpublished) *National Perinatal Data Collection*; 2011 Report, table EA.55.

Table EA.24

Table EA.24 Proportion of live-born singleton babies of low birthweight, by maternal Indigenous status, 2006–2008 (a), (b), (c), (d)

Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
	%	%	%	%	%	%	%	%	%
Indigenous status									
Indigenous	10.6	11.6	9.5	13.8	12.8	7.6	9.5	13.2	11.2
Non-Indigenous	4.3	4.6	4.5	4.4	4.7	5.1	4.1	4.5	4.5
Total	4.5	4.7	4.8	5.0	4.9	5.2	4.2	7.7	4.7
Indigenous status									
Indigenous	no. 903	204	878	709	224	55	20	538	3 531
Non-Indigenous	no. 11 695	9 242	7 312	3 577	2 536	886	543	301	36 092
Total number (e)	no. 12 669	9 457	8 196	4 286	2 760	941	566	839	39 714

(a) Low birthweight is defined as less than 2500 grams.

(b) Disaggregation by State/Territory are by place of usual residence of the mother.

(c) Data excludes Australian non-residents, residents of external territories and where State/Territory of residence was not stated.

(d) Excludes stillbirths and multiple births. Births were included if they were at least 20 weeks gestation or at least 400 grams birthweight.

(e) Total includes number of babies for which Indigenous status of the mother was not stated.

Source: AIHW (unpublished) *National Perinatal Data Collection*; 2011 Report, table EA.56.