
12 Health management issues

Health management is concerned with the management of diseases, illnesses and injuries using a range of services (promotion, prevention/early detection and intervention) in a variety of settings (for example, public hospitals, community health centres and general practice). This chapter reports on the management of breast cancer and mental health, which represent some activities of the Australian, State and Territory governments in health management.

Breast cancer detection and management services comprise a number of major components: primary care and community-based services, including general practitioner (GP) services and community-based women's health services; screening services; acute services based in hospitals, including both inpatient and outpatient services; private consultations for a range of disciplines; and post-acute services, including home-based and palliative care (DHS 1999). Relevant clinical disciplines include surgery, plastic and reconstructive surgery, pathology, radiation and medical oncology, nursing, diagnostic radiology, radiography, physiotherapy, allied health, and psychological and psychiatric services. Post-acute services include a range of further treatments, such as radiotherapy and chemotherapy (most of which take place on a same day or outpatient basis) and a range of follow-up and palliative care services (DHS 1999).

Specialised mental health management services include a range of government and non-government service providers offering promotion, prevention, treatment and management, and rehabilitation services. Community mental health facilities, psychiatrists, clinical psychologists, psychotherapists, mental health clinicians in private practice, counsellors, Aboriginal health workers, Aboriginal mental health workers, public hospitals with specialised psychiatric units and stand-alone psychiatric hospitals all provide specialised mental health care. In addition, a number of health services provide care to mental health patients in a non-specialised health setting — for example, GPs, Aboriginal community controlled health services, public hospital emergency departments and outpatient departments, and public hospital general wards (as opposed to specialist psychiatric wards). Some people with a mental illness are cared for in residential aged care services.

Indigenous data in the health management issues chapter

The health management issues chapter in the *Report on Government Services 2009* (2009 Report) contains the following data for Indigenous people:

- participation rates of women aged 50–69 years from selected communities in BreastScreen Australia screening programs, 2006 and 2007 (24 month period)
- specialised psychiatric care by Indigenous status, 2005–06
- mortality due to suicide, 2002–2006.

Attachment tables

Attachment tables for data within the health management issues chapter of this compendium are contained in attachment 12A of the compendium. These tables are identified in references throughout this chapter by an ‘A’ suffix (for example, table 12A.3 is table 3 in the health management issues attachment). As the data are directly sourced from the 2009 Report, the compendium also notes where the original table, figure or text in the 2009 Report can be found. For example, where the compendium refers to ‘2009 Report, p. 12.15’ this is page 15 of chapter 12 of the 2009 Report, and ‘2009 Report, table 12A.2’ is attachment table 2 of attachment 12A of the 2009 Report.

Breast cancer

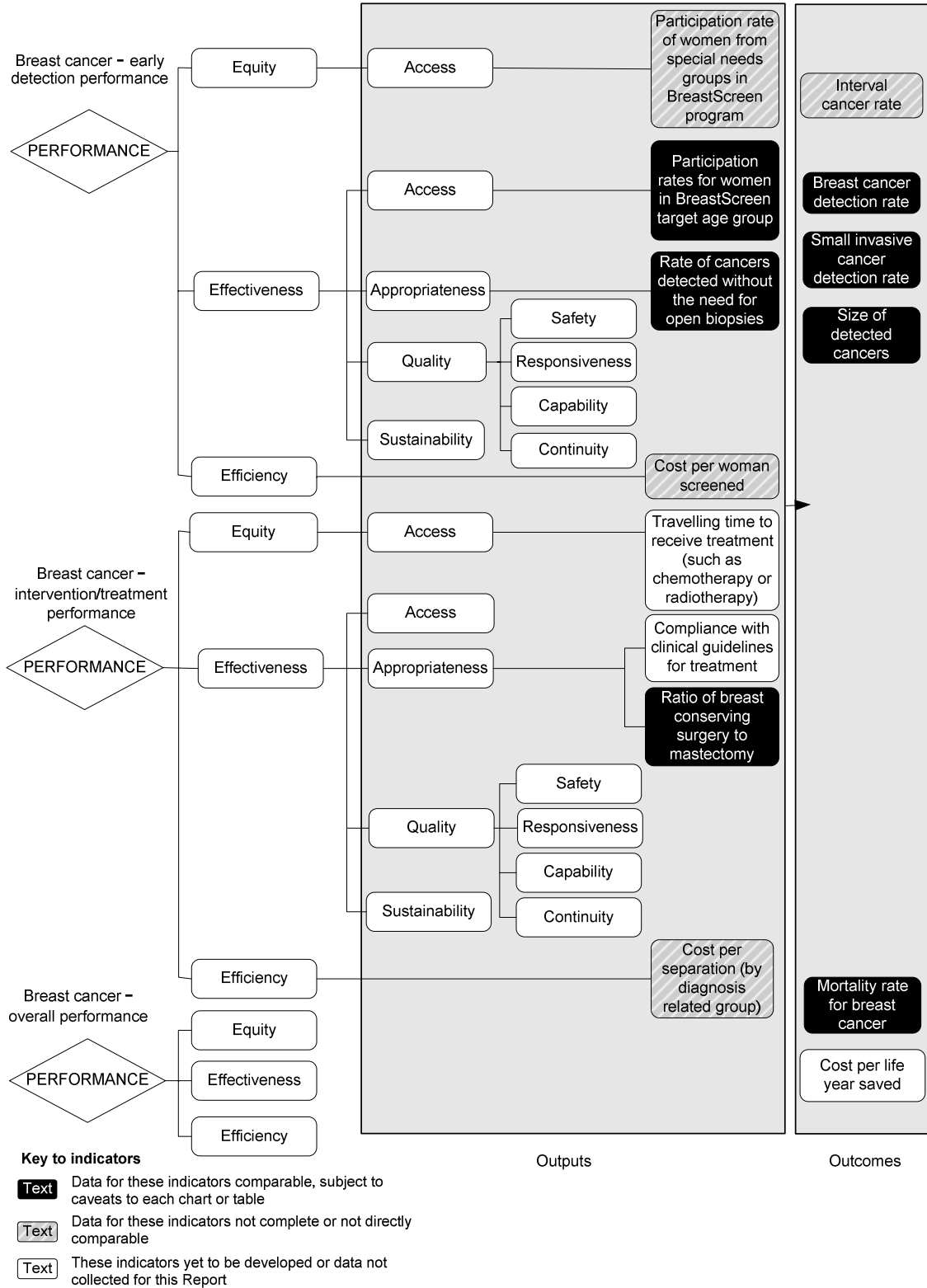
Breast cancer is a disease whereby uncontrolled or malignant cell division leads to the formation of a tumour or tumours in a woman’s breast.¹ Tumours may expand locally by invading surrounding tissue, or they may spread via the lymphatic or vascular systems to the rest of the body. If left untreated, most malignant tumours result in the death of the affected person (AIHW 2003).

Framework of performance indicators

Data for Indigenous people are reported for a subset of the performance indicators for breast cancer detection and management in the 2009 Report. It is important to interpret these data in the context of the broader performance indicator framework outlined in figure 12.1. The performance indicator framework shows which data are comparable in the 2009 Report. For data that are not considered directly comparable, the text includes relevant caveats and supporting commentary.

¹ Breast cancer in males is very rare. It is not examined in this Report.

Figure 12.1 Performance indicators for breast cancer detection and management



Source: 2009 Report, figure 12.7, p. 12.14.

Early detection — participation rate of women from selected community groups in BreastScreen programs

‘Participation rate of women from selected community groups in BreastScreen Australia programs’ is an indicator of governments’ objective to reduce morbidity and mortality attributable to breast cancer through early detection strategies, in a manner that is equitable (box 12.1).

Box 12.1 Participation rate of women from selected community groups in BreastScreen Australia programs

The ‘participation rate of women from selected community groups in BreastScreen Australia programs’ is defined as the proportion of the eligible population in each selected community group attending the screening program within a 24 month period.

Participation rates for community groups that are at, or close to, those for the total population indicate equitable access to early detection services.

Data reported for this indicator are not directly comparable.

Early detection is associated with better outcomes for women with breast cancer, in terms of morbidity and mortality. Indigenous women, women from non-English speaking backgrounds (NESB) and women living in outer regional, remote and very remote areas may experience particular language, cultural and geographic barriers to accessing breast cancer screening.

In 2006–07, the national age standardised participation rate for Indigenous women aged 50–69 (40.3 per cent) was below the total participation rate in that age group (56.1 per cent), although this may be influenced by the quality of Indigenous identification in screening program records (table 12.1, table 12A.1). Care needs to be taken when comparing data across jurisdictions, given differences in the collection of data by Indigenous status.

Table 12.1 **Age standardised participation rates of women aged 50–69 years from selected communities in BreastScreen Australia programs, 2006 and 2007 (24 month period) (per cent)^{a, b}**

	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust
Indigenous ^c	41.7	36.1	51.6	34.7	35.3	31.3	36.6	26.5	40.3
NESB ^d	54.7	36.5	65.0	64.8	54.0	22.2	35.0	37.0	49.7
All women aged 50–69 years	56.0	55.9	56.6	57.5	55.8	54.2	57.0	40.2	56.1

^a First and subsequent rounds. ^b Rates are standardised to the 2001 Australian population standard. ^c Those women who self-identify as being of Aboriginal or Torres Strait Islander descent. ^d Non-English speaking background (NESB) is defined as speaking a language other than English at home.

Source: State and Territory governments (unpublished); ABS (2008) *Population by Age and Sex, Australian States and Territories, June 2002-2007*, Cat. no. 3201.0; ABS (unpublished), derived from *Experimental Estimates And Projections, Aboriginal And Torres Strait Islander Australians, 1991 to 2009*, Cat. no. 3238.0; ABS (unpublished), derived from *2006 Census of Population and Housing*; table 12A.1, 2009 Report, tables 12A.9 and 12A.11; 2009 Report, table 12.4, p. 12.16.

Mental health

Mental health relates to an individual's ability to negotiate the daily challenges and social interactions of life without experiencing undue emotional or behavioural incapacity (DHAC and AIHW 1999). The World Health Organization (WHO) describes mental health as:

... a state of well-being in which the individual realizes his or her own abilities, can cope with the normal stresses of life, can work productively and fruitfully, and is able to make a contribution to his or her community (WHO 2001).

There is a wide range of mental illnesses that can affect an individual's mental health, functioning and quality of life. Each mental illness is unique in terms of its incidence across the lifespan, causal factors and treatments.

Specialised mental health services provided in hospitals

Limited data are available on specialised psychiatric care of Indigenous patients in hospital. Comparisons are difficult because data on Indigenous status are incomplete and Indigenous and non-Indigenous people may differ in their use of hospital services relative to other health services. The data reflect a range of factors, such as: the spectrum of public, primary care and post-hospital care available; Indigenous people's access to these as well as hospital services; social and physical infrastructure services for Indigenous people; and differences in the complexity, incidence and prevalence of illnesses. For the jurisdictions for which data are available, Indigenous people were 1.8 times more likely to receive specialised psychiatric care in hospitals than non-Indigenous people. However, the average

length of stay for Indigenous people (18.5) was shorter than for non-Indigenous people (21.7) (table 12.2).

Table 12.2 Specialised psychiatric care, by Indigenous status, 2005-06^{a, b, c}

	<i>Unit</i>	<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>Total</i>
Indigenous										
Separation rate ^d	per 1000 people	13.6	10.9	8.2	9.3	12.2	np	np	7.9	10.4
Average length of stay ^e	no.	18.0	14.5	22.5	23.3	15.0	20.1	10.6	10.3	18.5
Non-Indigenous										
Separation rate ^d	per 1000 people	5.5	5.0	6.6	5.6	6.4	np	np	4.2	5.7
Average length of stay ^e	no.	23.0	19.4	21.3	19.9	27.2	19.8	15.3	9.8	21.7
Rate ratio ^f		2.5	2.2	1.2	1.7	1.9	np	np	1.9	1.8

^a The completeness of data on Indigenous status varies, so these data need to be used with care. ^b Specialised psychiatric care refers to separations in which at least one day of specialised psychiatric care was received. ^c Indigenous identification is likely to be incomplete and to vary among jurisdictions. ^d Data for NSW, Victoria, Queensland, WA, SA and the NT (public hospitals only for the NT) are considered to be of acceptable quality for analytical purposes. ^e Includes data for overnight separations only. ^f The rate ratio is equal to the separation rate for Indigenous persons divided by the separation rate for non-Indigenous. **np** Not published.

Source: AIHW (2008) *Mental Health Services in Australia 2005-06*, Cat. no. HSE 56, Mental Health Series no. 10, www.aihw.gov.au/publications/hse/mhsa05-06/mhsia_05-06_internet.xls (accessed 2 December 2008); table 12A.2; 2009 Report, table 12.7, p. 12.52.

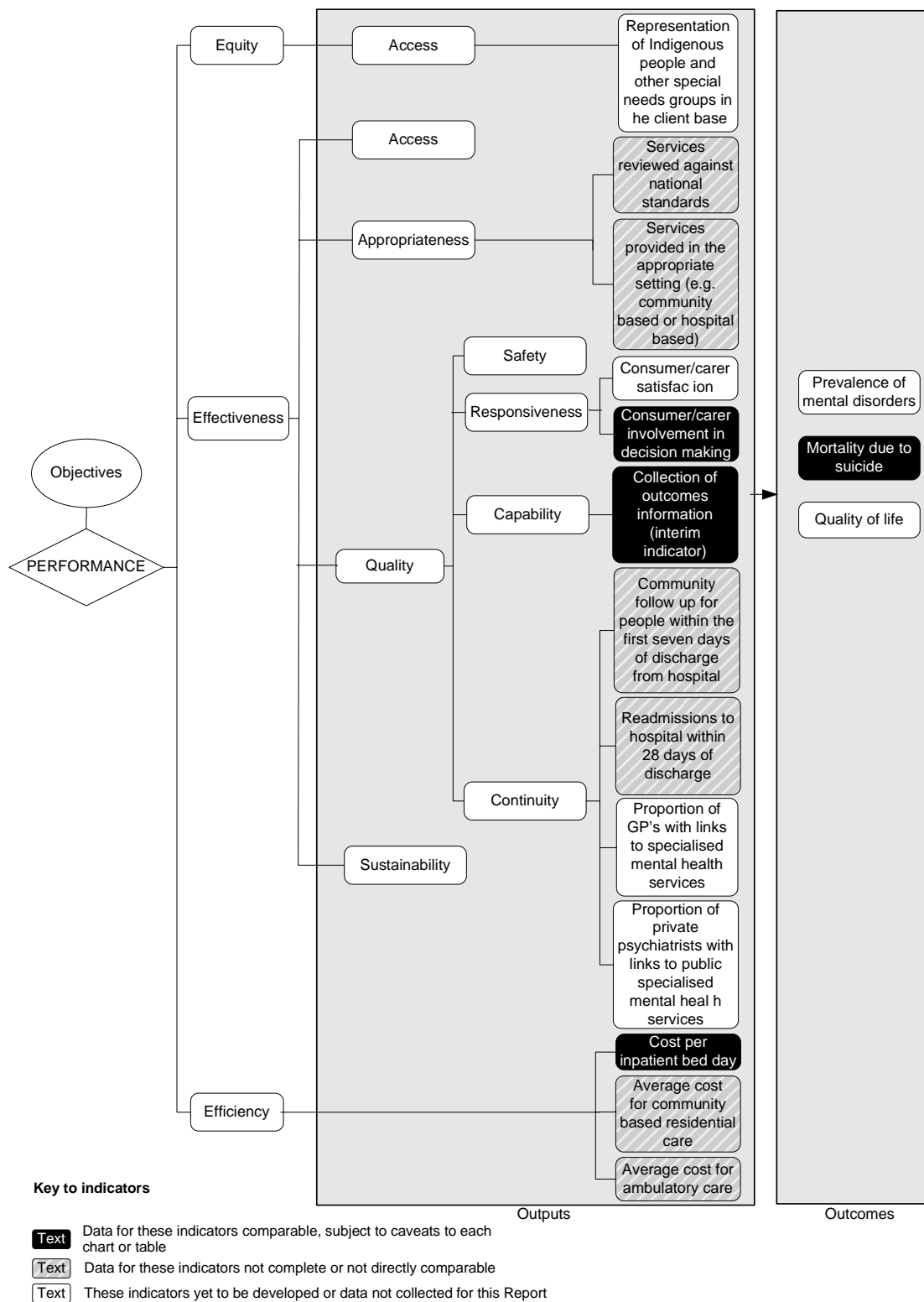
Framework of performance indicators

The framework of performance indicators for specialised mental health services draws on governments' broad objectives for national mental health policy, as encompassed in the National Mental Health Strategy (NMHS) and the Council of Australian Governments (COAG) National Action Plan on Mental Health (2009 Report, box 12.18 p.12.56). The framework reports on the equity, effectiveness and efficiency of specialised mental health services. It covers a number of service delivery types (admitted patient and community-based services) and includes outcome indicators of systemwide performance.

The National Strategic Framework for Aboriginal and Torres Strait Islander People's Mental Health and Social and Emotional Well Being 2004–2009 (the Social and Emotional Well Being Framework) was endorsed by the Australian Health Ministers' Advisory Council in December 2004. It aims to provide a framework for action by all governments and communities to improve the social and emotional wellbeing and mental health needs of Indigenous Australians over the next five years.

Data for Indigenous people are reported for a subset of the performance indicators for mental health management in the 2009 Report. It is important to interpret these data in the context of the broader performance indicator framework outlined in figure 12.2. The performance indicator framework shows which data are comparable in the 2009 Report. For data that are not considered directly comparable, the text includes relevant caveats and supporting commentary.

Figure 12.2 Performance indicators for mental health management



Source: 2009 Report, figure 12.32, p. 12.59.

Representation of Indigenous people and others in the client base

‘Representation of Indigenous people and other special needs groups in the client base’ is an indicator of governments’ objective to provide mental health services in an equitable manner, including access to services by special needs groups such as Indigenous people (box 12.2).

Box 12.2 Representation of Indigenous people and other special needs groups in the client base

‘Representation of Indigenous people and other special needs groups in the client base’ is yet to be defined.

Data for this indicator were not available for the 2009 Report.

Mortality due to suicide

‘Mortality due to suicide’ is an indicator of governments’ objective under the NMHS to prevent mental health problems, mental illness and suicide, and identify and intervene early with people at risk (box 12.3). People with a mental illness are at a higher risk of suicide than are the general population. (They are also at a higher risk of death from other causes, such as cardiovascular disease.)

Box 12.3 Mortality due to suicide

Mortality due to suicide’ is defined as the suicide rate per 100 000 people for all people, for males and females, for people of different ages (including those aged 15–24 years), people living in capital cities, people living in other urban areas, people living in rural areas and Indigenous people.

While the performance of mental health services contributes to reducing suicides, other government services also play a significant role. Public mental health programs are primarily concerned with providing treatment and support services for individual clients affected by severe mental illness, some of whom have either attempted, or indicated the intention, to commit suicide. Suicide prevention targeted at the wider population is also addressed through the initiatives of other government departments, non-government organisations and other special interest groups. Any impact on suicide rates, therefore, will be a result of a coordinated response across a range of collaborating agencies, including police, education, housing, justice and community services agencies.

(Continued on the next page)

Box 12.3 (Continued)

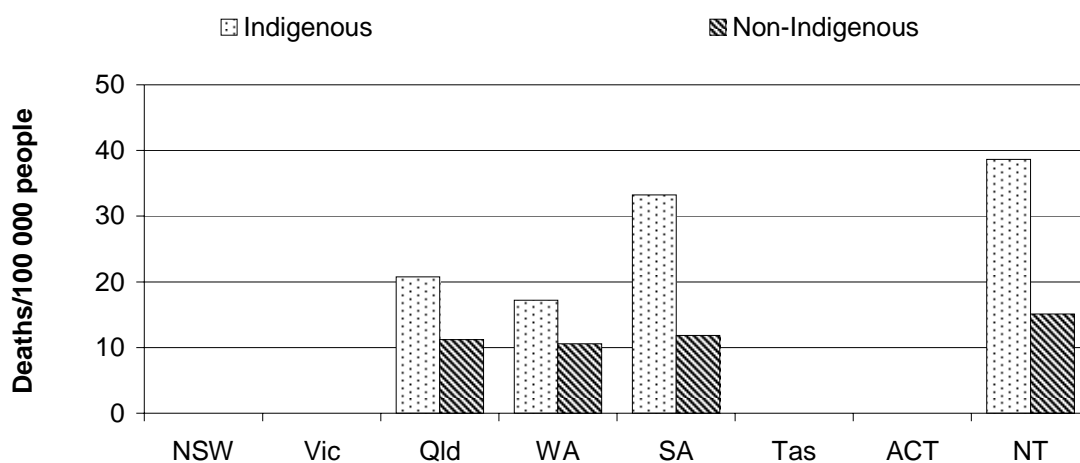
In addition, many factors outside the control of mental health services may influence a person's decision to commit suicide. These include environmental, sociocultural and economic risk factors — for example, adverse childhood experiences (such as sexual abuse) can increase the risk of suicide, particularly in adolescents and young adults. Alcohol and other drugs are also often associated with an increased risk of suicidal behaviour. Other factors that can influence suicide rates include economic growth rates, which affect unemployment rates and social disadvantage. Often, a combination of these factors can increase the risk of suicidal behaviour.

Data reported for this indicator are comparable.

The Indigenous suicide rate is presented for the period 2002–2006 for four jurisdictions: Queensland, WA, SA and the NT (figure 12.3). After adjusting for age differences between populations, the suicide rates for Indigenous people for the period 2002–2006 in the jurisdictions for which data are presented are considerably higher than the corresponding rates for non-Indigenous people.

Care needs to be taken when interpreting these data because data for Indigenous people are incomplete and data for some jurisdictions are not published. Indigenous people are not always accurately identified in administrative collections (such as hospital records, and birth and death registrations) due to definition variations, different data collection methods and failure to record Indigenous status. The rate calculations have not been adjusted for differences in the completeness of identification of Indigenous deaths across jurisdictions. The 'Health preface' discusses the quality of Indigenous mortality and other data.

Figure 12.3 Suicide rates, by Indigenous status, 2002–2006^{a, b}



^a Indigenous population figures are based on ABS *Experimental Projections, Aboriginal and Torres Strait Islander Australians* (low series, 2001 base). There are no comparable population data for the non-Indigenous population. The non-Indigenous population figures are based on data derived by subtracting Indigenous population projections from total population estimates and should be used with care. Rates are calculated on an age standardised basis. ^b Data for NSW, Victoria, Tasmania and the ACT are not reported due to varying coverage across states and territories in the identification of Indigenous deaths in death registrations.

Source: ABS (unpublished), derived from *Causes of Deaths, Australia*; Cat. no. 3303.0; table 12A.3; 2009 Report, figure 12.43, p. 12.85.

Future directions for reporting on mental health management

Mental health

Similar to previous years, a key challenge for improving the reporting of mental health management is improving the reporting of effectiveness and efficiency indicators for Indigenous people.

Attachment tables

Attachment tables for data within this chapter are contained in the attachment to the compendium. These tables are identified in references throughout this chapter by an 'A' suffix (for example, table 12A.3 is table 3 in the health management issues attachment). The tables included in the attachment are listed below.

Breast cancer

Table 12A.1 Participation rates of Indigenous women screened by BreastScreen Australia (24 month period) (first and subsequent rounds) (per cent)

Mental health

Table 12A.2 Specialised psychiatric care separations reported for Indigenous patients, Australia, 2005-06

Table 12A.3 Suicide deaths, by Indigenous status

References

AIHW (Australian Institute of Health and Welfare) 2003, *BreastScreen Australia Monitoring Report 2000-2001*, Cat. no. CAN 20, Cancer Series no. 25, Canberra.

DHAC (Australian Government Department of Health and Community Services) and AIHW 1999, *National Health Priority Areas Report: Mental Health 1998*, AIHW Cat. no. PHE 13, Canberra.

DHS (Department of Human Services Victoria) 1999, *Breast Disease Service Redevelopment Strategy. A Report by the Breast Care Implementation Advisory Committee 1999-2003*, Victorian Government Publishing Service, Melbourne.

WHO (World Health Organization) 2001, *Strengthening mental health promotion*, (Fact sheet no. 220), Geneva.

12A Health management issues — attachment

Definitions for the indicators and descriptors in this attachment are in section 12.7 of the chapter of *Report on Government Services 2009* (2009 Report). 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 Australian, State and Territory governments.

This file is available in Adobe PDF format on the Review web page (www.pc.gov.au/gsp). Users without Internet access can contact the Secretariat to obtain these tables (see details on the inside front cover of the Report).

Attachment contents

Breast cancer

Table 12A.1 Participation rates of Indigenous women screened by BreastScreen Australia (24 month period) (first and subsequent rounds) (per cent)

Mental health

Table 12A.2 Specialised psychiatric care separations reported for Indigenous patients, Australia, 2005-06

Table 12A.3 Suicide deaths, by Indigenous status

Breast cancer

Table 12A.1

Table 12A.1 Participation rates of Indigenous women screened by BreastScreen Australia (24 month period) (first and subsequent rounds) (per cent) (a), (b)

	<i>NSW</i>	<i>Vic (c)</i>	<i>Qld (d)</i>	<i>WA</i>	<i>SA</i>	<i>Tas</i>	<i>ACT</i>	<i>NT</i>	<i>Aust</i>
2002–2003									
Aged 40–49 years	14.7	6.0	30.1	12.5	8.8	13.7	6.1	9.0	16.8
Aged 50–59 years	35.0	52.6	52.4	35.4	38.9	23.4	42.9	21.8	38.7
Aged 60–69 years	46.2	48.5	55.6	48.3	44.6	40.0	75.0	20.8	45.1
Aged 70–79 years	33.0	34.0	36.4	26.9	14.0	22.9	–	15.2	29.1
Aged 80+ years	9.1	2.4	3.2	7.0	1.7	4.0	na	10.4	6.1
Age 40+ years (ASR)	28.0	30.0	39.8	26.8	23.7	21.6	na	15.6	28.8
Age 50–69 years (ASR)	39.4	50.9	53.6	40.5	41.2	29.9	55.5	21.4	41.2
2003–2004									
Aged 40–49 years	12.2	5.5	28.3	11.4	6.1	15.1	4.2	7.9	15.2
Aged 50–59 years	31.8	45.7	49.8	29.7	32.9	38.8	28.9	23.0	36.4
Aged 60–69 years	41.9	44.1	50.0	42.7	38.7	37.2	47.8	22.2	41.2
Aged 70–79 years	29.4	28.2	37.1	24.4	14.3	na	na	13.5	27.5
Aged 80+ years	10.6	2.4	3.3	5.5	1.6	na	na	6.2	5.7
Age 40+ years (ASR)	25.2	26.4	37.5	23.4	20.1	na	na	15.3	26.7
Age 50–69 years (ASR)	35.8	45.1	49.9	34.8	35.1	38.2	36.3	22.7	38.3
2004–2005									
Aged 40–49 years	7.4	4.1	27.0	12.2	7.5	17.7	4.9	6.4	13.4
Aged 50–59 years	29.9	35.8	49.1	26.9	31.3	36.6	35.2	22.7	34.5
Aged 60–69 years	40.2	39.7	51.9	35.3	36.0	32.4	59.5	23.8	40.0
Aged 70–79 years	16.6	26.0	36.4	23.2	13.4	na	na	10.8	22.5
Aged 80+ years	7.8	3.7	5.3	6.6	2.9	na	na	2.4	5.5
Age 40+ years (ASR)	20.8	22.2	37.3	21.5	19.6	na	na	14.3	24.7
Age 50–69 years (ASR)	33.9	37.3	50.2	30.2	33.1	34.9	44.8	23.2	36.7
2005–2006									
Aged 40–49 years	4.9	3.0	25.8	12.4	7.3	17.2	3.7	5.8	12.2
Aged 50–59 years	33.7	32.3	48.9	27.0	30.7	32.5	44.1	23.2	35.3
Aged 60–69 years	46.0	41.6	51.4	36.2	32.3	33.9	60.0	26.5	42.1
Aged 70–79 years	11.4	28.3	33.5	22.1	11.1	21.2	5.3	10.1	19.6
Aged 80+ years	3.3	2.6	5.9	7.1	3.1	6.3	28.6	1.7	4.6
Age 40+ years (ASR)	21.0	21.4	36.4	21.7	18.4	24.2	26.9	14.6	24.4
Age 50–69 years (ASR)	38.6	35.9	49.9	30.6	31.3	33.0	50.4	24.5	38.0
2006–2007									
Aged 40–49 years	6.2	3.4	26.2	14.2	9.1	13.6	2.7	5.7	12.9
Aged 50–59 years	37.3	29.8	49.3	29.7	33.0	30.7	37.1	26.1	37.1
Aged 60–69 years	48.4	45.7	55.3	42.2	38.7	32.3	36.0	27.2	45.2
Aged 70–79 years	14.1	28.8	36.7	20.8	12.6	25.7	10.0	11.6	21.7
Aged 80+ years	3.9	–	6.9	10.7	7.7	na	na	2.1	5.7
Age 40+ years (ASR)	23.2	21.5	37.8	24.2	21.3	na	na	15.7	26.1
Age 50–69 years (ASR)	41.7	36.1	51.6	34.7	35.3	31.3	36.6	26.5	40.3

Table 12A.1 **Participation rates of Indigenous women screened by BreastScreen Australia (24 month period) (first and subsequent rounds) (per cent) (a), (b)**

	NSW	Vic (c)	Qld (d)	WA	SA	Tas	ACT	NT	Aust
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ASR = age standardised rate.

- (a) The participation rate is the number of women resident in the catchment area screened in the reference period, divided by the number of women resident in the catchment area in the reference period based on Australian Bureau of Statistics (ABS) ERP data. Where service boundaries cross State localised areas, calculation of resident women is made on a proportional basis. If a woman is screened more than once during the reference period then only the first screen is counted. Catchment area: a geographic region based on service size in relation to the population, accessibility and the location of other services. It is uniquely defined for each service based on postcode or Statistical Local Area. Reference period is 24 months.
- (b) Indigenous is defined as women who have self-identified as being Aboriginal or Torres Strait Islander.
- (c) Residents of Victorian postcodes allocated to the Albury/Wodonga catchment (NSW jurisdiction) are included in Victoria's population estimate, accounting for the slight decrease in participation rates compared to those published by BreastScreen Victoria.
- (d) For Indigenous women in Queensland, the 70–79 age category includes all women aged over 70 years.

na Not available. – Nil or rounded to zero.

Source: State and Territory governments (unpublished), ABS (unpublished), derived from *Experimental Estimates And Projections, Aboriginal And Torres Strait Islander Australians, 1991 to 2009*, Cat. no. 3238.0; 2009 Report, table 12A.10.

Mental health

Table 12A.2

Table 12A.2 Specialised psychiatric care separations reported for Indigenous patients, Australia, 2005-06 (a), (b)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT (c)	Total (d)
Indigenous (e)										
Separations	no.	1709	316	1 007	623	328	73	49	495	4 478
Separation rate (f)	per 1 000 people	13.6	10.9	8.2	9.3	12.2	np	np	7.9	10.4
Patient days	no.	30 049	4506	22 285	14 339	4 641	1 430.0	502	4 796	80 616
Psychiatric care days	no.	29 549	4502	22 167	14 288	4 641	1 430.0	474	4 760	79 907
Average length of stay (overnight)	no.	18.0	14.5	22.5	23.3	15.0	20.1	10.6	10.3	18.5
Non-Indigenous										
Separations	no.	36 704	25 380	25 438	10 976	9 990	3 505	1 489	651	109 139
Separation rate (f)	per 1 000 people	5.5	5.0	6.6	5.6	6.4	np	np	4.2	5.7
Patient days	no.	790 150	466 353	458 231	205 605	236 494	56 376	21 990	6 048	2 162 881
Psychiatric care days	no.	766 667	465 514	454 165	202 744	236 494	56 376	20 861	6 015	2 131 599
Average length of stay (overnight)	no.	23.0	19.4	21.3	19.9	27.2	19.8	15.3	9.8	21.7
Rate ratio (g)		2.5	2.2	1.2	1.7	1.9	np	np	1.9	1.8

(a) Separations for which care type was reported as Newborn with no qualified days and records for Hospital boarders and Posthumous organ procurement have been excluded. Comprises separations with and without mental health-related principal diagnoses but with specialised psychiatric care.

(b) Interpretation of differences between jurisdictions needs to be undertaken with care as they may reflect different service delivery and admission practices and/or differences in the types of establishments categorised as hospitals.

(c) Includes only public hospital separations for the NT.

(d) Separation rate data are for NSW, Victoria, Queensland, WA, SA and the NT (for public hospitals only in the NT). Indigenous status data for NSW, Victoria, Queensland, WA, SA and the NT public hospitals are considered to be of acceptable quality for analytical purposes. Indigenous identification is likely to be incomplete and to vary among jurisdictions.

Table 12A.2

Table 12A.2 Specialised psychiatric care separations reported for Indigenous patients, Australia, 2005-06 (a), (b)

	Unit	NSW	Vic	Qld	WA	SA	Tas	ACT	NT (c)	Total (d)
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(e) Includes separations of patients identified as being either of Aboriginal but not Torres Strait Islander origin, Torres Strait Islander but not Aboriginal origin, Aboriginal and Torres Strait Islander origin and patients identified as of Aboriginal or Torres Strait Islander origin.

(f) The rates were directly aged standardised against the Australian Estimated Resident Population as at 30 June 2001.

(g) The rate ratio is equal to the separation rate for indigenous persons divided by the separation rate for non-Indigenous.

np Not published.

Source: AIHW (2008) *Mental Health Services in Australia 2005-06*, Cat. no. HSE 56, Mental Health Series no. 10, www.aihw.gov.au/publications/hse/mhsa05-06/mhsia_05-06_internet.xls (accessed 2 December 2008); Report 2009, table 12A.44.

Table 12A.3

Table 12A.3 **Suicide deaths, by Indigenous status (a), (b), (c), (d), (e)**

	<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>Number</i>								
2000–2004								
Non-Indigenous	np	np	2 325	1 073	854	np	np	124
Indigenous	np	np	153	64	32	np	np	110
Total	np	np	2 496	1 192	947	np	np	235
<i>Indigenous suicide rate per 100 000 Indigenous population</i>								
2000–2004	np	np	30.2	23.7	30.4	np	np	45.1
<i>Non-Indigenous suicide rate per 100 000 non-Indigenous population</i>								
2000–2004	np	np	13.0	11.5	11.4	np	np	17.2
<i>Number</i>								
2001–2005								
Non-Indigenous	3 078	np	2 240	1 035	870	np	np	119
Indigenous	88	np	155	49	44	np	np	118
Total	3 166	np	2 395	1 084	914	np	np	237
<i>Indigenous suicide rate per 100 000 Indigenous population</i>								
2001–2005	np	np	32.2	18.8	45.0	np	np	48.2
<i>Non-Indigenous suicide rate per 100 000 non-Indigenous population</i>								
2001–2005	np	np	12.2	10.8	11.4	np	np	15.5
<i>Number</i>								
2002–2006								
Non-Indigenous	np	np	2 116	1 013	897	np	np	109
Indigenous	np	np	139	60	45	np	np	115
Total	np	np	2 255	1 073	942	np	np	224
<i>Indigenous suicide rate per 100 000 Indigenous population</i>								
2002–2006	np	np	20.7	17.2	33.2	np	np	38.7
<i>Non-Indigenous suicide rate per 100 000 non-Indigenous population</i>								
2002–2006	np	np	11.2	10.6	11.8	np	np	15.1

(a) Care should be exercised when using these data as the rates are based on a small number of deaths.

(b) By year of registration. Year-to-year variation can be influenced by coronial workloads.

(c) Data is not adjusted for differences in Indigenous deaths coverage across states and territories and caution is needed in drawing any conclusions about rate differentials.

(d) Non-Indigenous includes Indigenous status 'not stated'.

(e) Calculations of rates for the Indigenous population are based on ABS Experimental Projections, Aboriginal and Torres Strait Islander Australians (ABS cat. no. 3238.0, low series, 2001 base). There are no comparable population data for the non-Indigenous population. Calculations of rates for the non-Indigenous population are based on data derived by subtracting Indigenous population projections from total population estimates and should be used with care. Rates are calculated on an age standardised basis.

np Not published.

Source: ABS (unpublished), derived from *Causes of Death, Australia*; Report 2009, table 12A.68.