

Assumptions

Projecting health outcomes is a complex process as the determinants of health are multifaceted and inter-related (including socio-economic, historical and cultural factors and health system performance) and there are many unknowns. Straight line trajectories are used as a baseline for monitoring progress given the wide range of issues which impact on the trends over time as well as data quality and availability constraints.

Child mortality

Scenario 1: Current trends observed over period 1998 to 2006 will continue

Assumptions:

- The annual rate of change observed over the period 1998 to 2006 for Indigenous and other child mortality is linear. For years which death and population data are not available (2007 onwards for deaths and 2010 onwards for population) the trajectory is based on the assumption that the annual rate of change in the child mortality rate observed in the Indigenous population from 1998 to the 2006 (the year from which Indigenous population data stabilizes) continues at the same rate to 2018.
- Confidence intervals around the future trajectory are based on the average year-to-year variation observed in the historical data (from 1998 to the most recent available observation for the population and deaths).

Scenario 2: Straight line trajectory to target

Assumptions:

- The annual rate of change in the child mortality rate for Indigenous over the period 1998-2006 will continue for the period 2006 to 2008.
- Between 2008 and 2018 there will be a linear constant change in the Indigenous child mortality rate to reach the target for Indigenous in 2018.
- The annual rate of change in the child mortality rate for non-Indigenous over the period 1998-2006 will continue.
- Confidence intervals around the future trajectory are based on the average year-to-year variation observed in the historical data (from 1998 to the most recent available observation for the population and deaths).

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Infant mortality

Scenario 1: Current trends observed over period 1998 to 2006 will continue

Assumptions:

The current Indigenous and non-Indigenous infant mortality rate mortality rates will continue at linear constant change to 2018.

Scenario 2: Straight line trajectory to target

Assumptions:

To halve the gap in mortality rates between Indigenous and non-Indigenous infants, the estimated Indigenous infant mortality rate will change at a linear constant from approximately 10 deaths per 1,000 live births to 6.5 deaths per 1,000 live births by 2018.

Low birth weight

Scenario 1: Current trends observed over period 1991 to 2006 will continue

Assumptions:

- The annual rate of change in Indigenous low birth weight babies observed over the period 1991 to 2006 will continue to 2018.
- Confidence intervals around the future trajectory are based on the average year-to-year variation observed in the historical data (from 1991 to the most recent available observation for low birth weight).

Scenario 2: Straight line trajectory to target

Assumptions:

- The annual rate of change in Indigenous low birth weight babies observed over the period 1991 to 2006 will continue for the period 2006-2008.
- From 2008 onwards there will be a linear constant change in the Indigenous low birth weight rate to reach the target in 2018.
- The rate of change in low birth weight for non-Indigenous over the period 1991-2006 will continue.
- Confidence intervals around the future trajectory are based on the average year-to-year variation observed in the historical data (from 1991 to the most recent available observation for low birth weight).

Antenatal care

Scenario 1: Current trends observed over period 1998 to 2006 will continue

Assumptions:

- The annual rate of change observed in the rate at which Indigenous and non-Indigenous mothers attend at least one antenatal care session observed over the period 1998 to 2005 will continue until 2018.
- Confidence intervals for years for which antenatal care data are not available (2006 onwards) are calculated based on the assumption that the annual rate of change in the rate at which Indigenous mothers will attend at least one antenatal care session from 1998 to 2006 will continue at the same rate to 2018.

Scenario 2: Straight line trajectory to target

Assumptions:

- The annual change in the rate at which Indigenous mothers will attend at least one antenatal care session observed over the period 1998 to 2005 will continue over the period 2006 to 2008.
- Between 2008 and 2018 there will be a linear constant change in the rate at which Indigenous mothers will attend at least one antenatal care session to reach the target for Indigenous mothers in 2018.
- The proportion of non-Indigenous mothers who attend antenatal care sessions will peak at 100% in 2011.
- Confidence intervals for years for which antenatal care data are not available (2006 onwards) are calculated based on the assumption that the annual change in the rate at which Indigenous mothers will attend at least one antenatal care session from 1998 to 2006 will continue at the same rate to 2018.

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Table 1: Causes of death, child 0-4 mortality, Indigenous children, Qld, WA, SA and NT, 2002-2006

Cause of death	Per cent
Certain conditions originating in the perinatal period (P00–P96)	37.9
Fetus & newborn affected by maternal factors & complications of pregnancy, labour and delivery (P00-P04)	16.5
Disorders related to length of gestation and fetal growth (P05-P08)	7.4
Respiratory and cardiovascular disorders specific to preinatal period (P20-P29)	5.3
Infections specific to perinatal period (P35-P39)	3.4
Other disorders originating in the perinatal period (P90-P96)	2.4
Signs, symptoms & ill-defined conditions (R00-R99)	19.8
Other ill-defined and unspecified causes of mortality (R99)	10.2
SIDS (R95)	7.1
Unattended death (R98)	2.4
Congenital malformations (Q00–Q99)	11.1
Congenital malformations of circulatory system (Q20-Q28)	3.4
Congenital malformations of nervous system (Q00-Q07)	2.4
Chromosomal abnormalities, not elsewhere specified (Q90-99)	1.6
Congenital malformations of respiratory system (Q30-Q34)	1.3
Injury & poisoning (V01–Y99)	10.7
Accidental threats to breathing (W75-W84)	2.0
Pedestrian injured in transport accident (V01-V09)	1.8
Exposure to smoke, fire and flames (X00-X09)	1.5
Car occupant injured in transport accident (V40-V49)	1.3
Accidental drowning and submersion (W65-W74)	1.3
Diseases of the respiratory system (J00–J99)	7.1
Influenza & pneumonia (J10-J18)	4.5
Other diseases of respiratory system (J95-J99)	0.9
Acute upper respiratory diseases (J00-J06)	0.7
Other acute lower respiratory infections (J20-J22)	0.5
Diseases of nervous system (G00-G99)	3.6
Cerebral palsy and other paralytic syndromes (G80-G83)	0.9
Episodic and paroxysmal disorders (G40-G47)	0.7
Inflammatory diseases of central nervous system (G00-G99)	0.7
Infectious and parasitic diseases (A00–B99)	3.1
Other bacterial diseases (A30-A49)	1.8
Diseases of the circulatory system (I00–I99)	2.4
Other conditions	4.4
Total	100.0

Source: AIHW analysis of AIHW National Mortality Database.

Table 2: Causes of infant death, Indigenous infant mortality, Qld, WA, SA and NT, 2002-2006

Cause of death	Per cent
Certain conditions originating in the perinatal period (P00–P96)	45.9
Fetus & newborn affected by maternal factors & complications of pregnancy, labour and delivery (P00-P04)	20.0
Disorders related to length of gestation and fetal growth (P05-P08)	9.0
Respiratory and cardiovascular disorders specific to preinatal period (P20-P29)	6.4
Infections specific to perinatal period (P35-P39)	4.2
Other disorders originating in the perinatal period (P90-P96)	2.9
Congenital malformations (Q00–Q99)	11.9
Congenital malformations of circulatory system (Q20-Q28)	2.9
Congenital malformations of nervous system (Q00-Q07)	2.9
Chromosomal abnormalities, not elsewhere specified (Q90-99)	1.8
Congenital malformations of respiratory system (Q30-Q34)	1.5
Signs, symptoms & ill-defined conditions (R00-R99)	22.2
Other ill-defined and unspecified causes of mortality (R99)	11.0
SIDS (R95)	8.6
Unattended death (R98)	2.6
Diseases of the respiratory system (J00–J99)	7.7
Influenza & pneumonia (J10-J18)	5.3
Other diseases of respiratory system (J95-J99)	1.1
Injury & poisoning (V01–Y99)	4.2
Accidental threats to breathing (W75-W84)	2.4
Infectious and parasitic diseases (A00–B99)	2.4
Other bacterial diseases (A30-A49)	2.0
Diseases of the circulatory system (I00–I99)	1.5
Other conditions	4.2
Total	100.0

Source: AIHW analysis of AIHW National Mortality Database.

Table 3: Causes of death, child 1-4 mortality, Indigenous children, Qld, WA, SA and NT, 2002-2006

Cause of death	Per cent
Injury & poisoning (V01–Y99)	41.7
Pedestrian injured in transport accident (V01-V09)	9.4
Exposure to smoke, fire and flames (X00-X09)	8.3
Accidental drowning and submersion (W65-W74)	6.3
Car occupant injured in transport accident (V40-V49)	4.2
Diseases of nervous system (G00-G99)	16.7
Cerebral palsy and other paralytic syndromes (G80-G83)	5.2
Episodic and paroxysmal disorders (G40-G47)	4.2
Inflammatory diseases of central nervous system (G00-G99)	2.1
Other disorders of nervous system (G90-G99)	2.1
Signs, symptoms & ill-defined conditions (R00-R99)	8.3
Other ill-defined and unspecified causes of mortality (R99)	6.3
Congenital malformations (Q00–Q99)	7.3
Congenital malformations of circulatory system (Q20-Q28)	6.3
Diseases of the circulatory system (I00–I99)	6.3
Other forms of heart disease (I30-I52)	4.2
Infectious and parasitic diseases (A00–B99)	6.3
Sequelae of infectious and parasitic diseases (B90-B94)	2.1
Other conditions	13.5
Total	100.0

Source: AIHW analysis of AIHW National Mortality Database.

Child mortality – Scenario 1

Table 4: Under 5 mortality rates and rate differences by Indigenous status with confidence intervals, NSW, Qld, WA, SA and NT, 1998-2018

	Deaths per 100,000			Indigenous		Non-Indigenous		Rate difference	
	Indigenous	Non-Indigenous	Rate Difference	Lower CI	Upper CI	Lower CI	Upper CI	Lower CI	Upper CI
1998	265.4	112.9	152.4	222.3	308.4	105.9	120.0	108.8	196.0
1999	296.0	112.8	183.2	250.4	341.6	105.7	119.9	137.1	229.3
2000	303.8	112.7	191.0	257.4	350.1	105.7	119.8	144.1	237.9
2001	265.4	114.2	151.2	221.9	308.9	107.1	121.3	107.1	195.3
2002	281.0	103.2	177.8	236.1	325.8	96.4	109.9	132.5	223.1
2003	248.6	97.7	150.8	206.5	290.6	91.1	104.3	108.2	193.4
2004	251.5	104.4	147.1	209.2	293.7	97.5	111.2	104.3	189.9
2005	287.0	108.2	178.8	241.9	332.0	101.3	115.1	133.2	224.4
2006	238.8	106.6	132.2	197.9	279.7	99.8	113.4	90.8	173.7
2007	234.5	105.4	129.2	194.3	274.8	98.7	112.1	88.4	170.0
2008	230.3	104.2	126.1	190.7	269.9	97.6	110.7	86.0	166.3
2009	226.0	102.9	123.1	186.9	265.2	96.4	109.5	83.4	162.8
2010	221.8	101.7	120.1	182.8	260.8	95.3	108.2	80.5	159.6
2011	217.5	100.5	117.0	178.7	256.4	94.1	106.9	77.6	156.4
2012	213.3	99.3	114.0	174.6	252.0	93.0	105.7	74.7	153.2
2013	209.1	98.1	110.9	170.4	247.7	91.8	104.4	71.8	150.1
2014	204.8	96.9	107.9	166.3	243.3	90.6	103.2	68.9	146.9
2015	200.6	95.7	104.9	162.1	239.0	89.5	101.9	66.0	143.8
2016	196.3	94.5	101.8	158.0	234.6	88.3	100.6	63.0	140.7
2017	192.1	93.3	98.8	153.8	230.3	87.2	99.4	60.0	137.5
2018	187.8	92.1	95.8	149.6	226.0	86.0	98.1	57.1	134.5
Target	156.6	92.1	64.6	156.6	156.6	92.1	92.1	64.6	64.6

Source: AIHW analysis of AIHW National Mortality Database.

Child mortality – Scenario 2

Table 5: Under 5 mortality rates and rate differences by Indigenous status with confidence intervals, NSW, Qld, WA, SA and NT, 1998-2018

	Deaths per 100,000			Indigenous		Non-Indigenous		Rate difference	
	Indigenous	Non-Indigenous	Rate Difference	Lower CI	Upper CI	Lower CI	Upper CI	Lower CI	Upper CI
1998	265.4	112.9	152.4	222.3	308.4	105.9	120.0	108.8	196.0
1999	296.0	112.8	183.2	250.4	341.6	105.7	119.9	137.1	229.3
2000	303.8	112.7	191.0	257.4	350.1	105.7	119.8	144.1	237.9
2001	265.4	114.2	151.2	221.9	308.9	107.1	121.3	107.1	195.3
2002	281.0	103.2	177.8	236.1	325.8	96.4	109.9	132.5	223.1
2003	248.6	97.7	150.8	206.5	290.6	91.1	104.3	108.2	193.4
2004	251.5	104.4	147.1	209.2	293.7	97.5	111.2	104.3	189.9
2005	287.0	108.2	178.8	241.9	332.0	101.3	115.1	133.2	224.4
2006	238.8	106.6	132.2	197.9	279.7	99.8	113.4	90.8	173.7
2007	234.5	105.4	129.2	194.3	274.8	98.7	112.1	88.4	170.0
2008	230.3	104.2	126.1	190.7	269.9	97.6	110.7	86.0	166.3
2009	222.9	102.9	120.0	184.3	261.6	96.4	109.5	80.8	159.2
2010	215.6	101.7	113.8	177.6	253.5	95.3	108.2	75.4	152.3
2011	208.2	100.5	107.7	171.0	245.4	94.1	106.9	69.9	145.4
2012	200.8	99.3	101.5	164.4	237.3	93.0	105.7	64.5	138.5
2013	193.5	98.1	95.4	157.7	229.2	91.8	104.4	59.1	131.6
2014	186.1	96.9	89.2	151.1	221.1	90.6	103.2	53.7	124.7
2015	178.7	95.7	83.0	144.5	213.0	89.5	101.9	48.3	117.8
2016	171.4	94.5	76.9	137.9	204.8	88.3	100.6	42.9	110.9
2017	164.0	93.3	70.7	131.3	196.7	87.2	99.4	37.5	104.0
2018	156.6	92.1	64.6	124.8	188.5	86.0	98.1	32.1	97.0
Target	156.6	92.1	64.6	156.6	156.6	92.1	92.1	64.6	64.6

Source: AIHW analysis of AIHW National Mortality Database.

Child mortality - Number of deaths

Actual number of deaths for 1998 to 2006; projected deaths based on trend continuing for 2007 to 2008; and projected deaths based on trajectory to target for 2008 to 2018.

Table 6: Total number of deaths for children aged under 5 years, NSW, Qld, WA, SA and NT, 1998-2006

	Indigenous	Non-Indigenous
1998	146	980
1999	162	977
2000	165	974
2001	143	991
2002	151	891
2003	134	843
2004	136	900
2005	156	941
2006	131	946
2007	130	950
2008	130	963
2009	128	956
2010	124	949
2011	120	943
2012	116	936
2013	113	929
2014	109	922
2015	105	915
2016	101	907
2017	97	900
2018	93	892

Source: AIHW analysis of AIHW National Mortality Database.

Infant mortality – Scenario 1

Table 7: Infant mortality rates and rate difference by Indigenous status with confidence intervals, 1998-2018

	Deaths per 1,000 live births			Indigenous		Non-Indigenous		Rate difference	
	Indigenous	Non-Indigenous	Rate Difference	Lower CI	Upper CI	Lower CI	Upper CI	Lower CI	Upper CI
1998	13.5	4.4	9.0	11.1	15.8	4.2	4.7	6.2	11.8
1999	14.3	4.7	9.6	11.9	16.7	4.4	5.0	6.7	12.6
2000	14.1	4.7	9.4	11.8	16.5	4.4	5.0	6.6	12.2
2001	11.2	4.9	6.3	9.2	13.3	4.6	5.2	4.1	8.5
2002	12.5	4.3	8.2	10.4	14.7	4.1	4.6	5.8	10.6
2003	10.9	3.9	6.9	8.9	12.9	3.7	4.2	4.9	9.0
2004	10.2	4.2	6.1	8.3	12.1	3.9	4.5	4.2	8.0
2005	11.5	4.5	7.0	9.5	13.6	4.2	4.8	4.8	9.1
2006	10.0	4.4	5.6	8.2	11.9	4.1	4.7	3.8	7.4
2007	9.5	4.4	5.1	7.8	11.2	4.1	4.7	3.6	6.6
2008	9.0	4.3	4.7	7.4	10.6	4.1	4.6	3.3	6.1
2009	8.5	4.3	4.2	7.0	10.0	4.0	4.6	2.9	5.5
2010	8.0	4.3	3.7	6.5	9.5	4.0	4.5	2.6	4.9
2011	7.5	4.2	3.3	6.1	8.9	3.9	4.5	2.3	4.3
2012	7.0	4.2	2.8	5.7	8.3	3.9	4.4	1.9	3.7
2013	6.5	4.1	2.4	5.3	7.7	3.9	4.4	1.6	3.1
2014	6.0	4.1	1.9	4.9	7.1	3.8	4.4	1.2	2.6
2015	5.5	4.0	1.4	4.4	6.5	3.8	4.3	0.8	2.0
2016	5.0	4.0	1.0	4.0	5.9	3.7	4.3	0.5	1.5
2017	4.5	4.0	0.5	3.6	5.3	3.7	4.2	0.1	0.9
2018	4.0	3.9	0.0	3.2	4.7	3.7	4.2	-0.3	0.4
Target	6.5	3.9	2.6	6.5	6.5	3.9	3.9	2.6	2.6

Source: AIHW analysis of AIHW National Mortality Database.

Infant mortality – Scenario 2

Table 8: Infant mortality rates and rate differences by Indigenous status with confidence intervals, 1998-2018

	Deaths per 1,000 live births			Indigenous		Non-Indigenous		Rate difference	
	Indigenous	Non-Indigenous	Rate Difference	Lower CI	Upper CI	Lower CI	Upper CI	Lower CI	Upper CI
1998	13.5	4.4	9.0	11.1	15.8	4.2	4.7	6.2	11.8
1999	14.3	4.7	9.6	11.9	16.7	4.4	5.0	6.7	12.6
2000	14.1	4.7	9.4	11.8	16.5	4.4	5.0	6.6	12.2
2001	11.2	4.9	6.3	9.2	13.3	4.6	5.2	4.1	8.5
2002	12.5	4.3	8.2	10.4	14.7	4.1	4.6	5.8	10.6
2003	10.9	3.9	6.9	8.9	12.9	3.7	4.2	4.9	9.0
2004	10.2	4.2	6.1	8.3	12.1	3.9	4.5	4.2	8.0
2005	11.5	4.5	7.0	9.5	13.6	4.2	4.8	4.8	9.1
2006	10.0	4.4	5.6	8.2	11.9	4.1	4.7	3.8	7.4
2007	9.5	4.4	5.1	7.8	11.2	4.1	4.7	3.6	6.6
2008	9.0	4.3	4.7	7.4	10.6	4.1	4.6	3.3	6.1
2009	8.8	4.3	4.5	7.2	10.3	4.0	4.6	3.1	5.8
2010	8.5	4.3	4.2	6.9	10.1	4.0	4.5	3.0	5.5
2011	8.2	4.2	4.0	6.7	9.8	3.9	4.5	2.8	5.2
2012	8.0	4.2	3.8	6.5	9.5	3.9	4.4	2.7	5.0
2013	7.7	4.1	3.6	6.3	9.2	3.9	4.4	2.5	4.7
2014	7.5	4.1	3.4	6.1	8.9	3.8	4.4	2.4	4.4
2015	7.2	4.0	3.2	5.9	8.6	3.8	4.3	2.2	4.2
2016	7.0	4.0	3.0	5.7	8.3	3.7	4.3	2.0	3.9
2017	6.7	4.0	2.8	5.4	8.0	3.7	4.2	1.9	3.7
2018	6.5	3.9	2.6	5.2	7.7	3.7	4.2	1.7	3.4
Target	6.5	3.9	2.6	6.5	6.5	3.9	3.9	2.6	2.6

Source: AIHW analysis of AIHW National Mortality Database.

Infant mortality - Number of deaths

Actual number of deaths for 1998 to 2006; projected deaths based on trend continuing for 2007 to 2008; and projected deaths based on trajectory to target for 2008 to 2019.

Table 9: Total number of deaths for infants, NSW, Qld, WA, SA and NT, 1998-2006

	Indigenous	Non-Indigenous
1998	128	753
1999	138	796
2000	142	805
2001	116	822
2002	130	734
2003	115	670
2004	111	716
2005	124	795
2006	112	790
2007	121	836
2008	117	835
2009	116	835
2010	115	834
2011	114	833
2012	113	832
2013	111	831
2014	110	829
2015	108	828
2016	106	826
2017	104	824
2018	102	822

Source: AIHW analysis of AIHW National Mortality Database.

Low birth weight – Scenario 1

Table 10: Low birth weight rates and rate differences by Indigenous status with confidence intervals, 1991-2018

	LBW babies per 100 live births			Indigenous		Non-Indigenous		Rate difference	
	Indigenous	Non-Indigenous	Rate Difference	Lower CI	Upper CI	Lower CI	Upper CI	Lower CI	Upper CI
1991	11.9	5.7	6.2	11.1	12.8	5.6	5.8	5.4	7.1
1992	11.8	5.7	6.1	11.0	12.6	5.6	5.8	5.3	6.9
1993	10.8	5.7	5.1	10.0	11.6	5.6	5.8	4.3	5.9
1994	11.9	5.7	6.3	11.1	12.7	5.6	5.8	5.5	7.1
1995	10.9	5.8	5.2	10.2	11.7	5.7	5.9	4.4	5.9
1996	11.6	5.8	5.9	10.9	12.4	5.7	5.8	5.1	6.7
1997	12.1	5.9	6.3	11.4	12.9	5.8	6.0	5.5	7.0
1998	11.0	5.9	5.1	10.3	11.7	5.8	6.0	4.4	5.8
1999	12.2	6.0	6.2	11.5	12.9	5.9	6.1	5.5	7.0
2000	12.7	6.1	6.6	11.9	13.4	6.0	6.2	5.8	7.4
2001	12.8	6.0	6.8	12.0	13.6	5.9	6.1	6.1	7.6
2002	12.9	6.1	6.8	12.2	13.7	6.0	6.2	6.0	7.5
2003	12.9	6.0	6.9	12.1	13.6	5.9	6.1	6.1	7.6
2004	13.1	6.1	7.0	12.4	13.9	6.0	6.2	6.3	7.8
2005	13.3	6.1	7.2	12.5	14.0	6.0	6.2	6.4	7.9
2006	12.4	6.2	6.2	11.7	13.1	6.1	6.3	5.5	6.9
2007	12.5	6.2	6.3	11.8	13.2	6.1	6.3	5.6	7.0
2008	12.6	6.3	6.4	12.0	13.3	6.2	6.4	5.7	7.1
2009	12.8	6.3	6.5	12.1	13.5	6.2	6.4	5.8	7.2
2010	12.9	6.3	6.5	12.2	13.6	6.3	6.4	5.8	7.2
2011	13.0	6.4	6.6	12.3	13.7	6.3	6.5	5.9	7.3
2012	13.1	6.4	6.7	12.4	13.9	6.3	6.5	6.0	7.4
2013	13.2	6.5	6.8	12.5	14.0	6.4	6.5	6.1	7.5
2014	13.4	6.5	6.9	12.6	14.1	6.4	6.6	6.1	7.6
2015	13.5	6.5	7.0	12.7	14.2	6.4	6.6	6.2	7.7
2016	13.6	6.6	7.0	12.8	14.4	6.5	6.7	6.3	7.8
2017	13.7	6.6	7.1	12.9	14.5	6.5	6.7	6.3	7.9
2018	13.9	6.6	7.2	13.1	14.6	6.5	6.7	6.4	8.0
Target	9.8	6.6	3.1	9.8	9.8	6.6	6.6	3.1	3.1

Source: AIHW analysis of National Perinatal Statistics Unit (NPSU) National Perinatal Data Collection.

Low birth weight – Scenario 2

Table 11: Low birth weight rates and rate differences by Indigenous status with confidence intervals, 1991-2018

	LBW babies per 100 live births			Indigenous		Non-Indigenous		Rate difference	
	Indigenous	Non-Indigenous	Rate Difference	Lower CI	Upper CI	Lower CI	Upper CI	Lower CI	Upper CI
1991	11.9	5.7	6.2	11.1	12.8	5.6	5.8	5.4	7.1
1992	11.8	5.7	6.1	11.0	12.6	5.6	5.8	5.3	6.9
1993	10.8	5.7	5.1	10.0	11.6	5.6	5.8	4.3	5.9
1994	11.9	5.7	6.3	11.1	12.7	5.6	5.8	5.5	7.1
1995	10.9	5.8	5.2	10.2	11.7	5.7	5.9	4.4	5.9
1996	11.6	5.8	5.9	10.9	12.4	5.7	5.8	5.1	6.7
1997	12.1	5.9	6.3	11.4	12.9	5.8	6.0	5.5	7.0
1998	11.0	5.9	5.1	10.3	11.7	5.8	6.0	4.4	5.8
1999	12.2	6.0	6.2	11.5	12.9	5.9	6.1	5.5	7.0
2000	12.7	6.1	6.6	11.9	13.4	6.0	6.2	5.8	7.4
2001	12.8	6.0	6.8	12.0	13.6	5.9	6.1	6.1	7.6
2002	12.9	6.1	6.8	12.2	13.7	6.0	6.2	6.0	7.5
2003	12.9	6.0	6.9	12.1	13.6	5.9	6.1	6.1	7.6
2004	13.1	6.1	7.0	12.4	13.9	6.0	6.2	6.3	7.8
2005	13.3	6.1	7.2	12.5	14.0	6.0	6.2	6.4	7.9
2006	12.4	6.2	6.2	11.7	13.1	6.1	6.3	5.5	6.9
2007	12.5	6.2	6.3	11.8	13.2	6.1	6.3	5.6	7.0
2008	12.6	6.3	6.4	12.0	13.3	6.2	6.4	5.7	7.1
2009	12.4	6.3	6.0	11.7	13.0	6.2	6.4	5.4	6.7
2010	12.1	6.3	5.7	11.4	12.7	6.3	6.4	5.1	6.4
2011	11.8	6.4	5.4	11.1	12.4	6.3	6.5	4.7	6.1
2012	11.5	6.4	5.1	10.9	12.1	6.3	6.5	4.4	5.7
2013	11.2	6.5	4.8	10.6	11.8	6.4	6.5	4.1	5.4
2014	10.9	6.5	4.4	10.3	11.5	6.4	6.6	3.8	5.0
2015	10.6	6.5	4.1	10.0	11.2	6.4	6.6	3.5	4.7
2016	10.4	6.6	3.8	9.8	10.9	6.5	6.7	3.2	4.4
2017	10.1	6.6	3.5	9.5	10.6	6.5	6.7	2.9	4.0
2018	9.8	6.6	3.1	9.2	10.3	6.5	6.7	2.6	3.7
Target	9.8	6.6	3.1	9.8	9.8	6.6	6.6	3.1	3.1

Source: AIHW analysis of National Perinatal Statistics Unit (NPSU) National Perinatal Data Collection.

Number of low birth weight infants

Actual number of low birth weight infants for 1991 to 2006; projected number for trend continuing for 2007 to 2008 and projected number based on trajectory to target for 2008 to 2018.

Table 12: Total number of low birth weight infants, 1991-2006

	Indigenous	Non-Indigenous
1991	830	13480
1992	851	13741
1993	774	13722
1994	872	13639
1995	836	13758
1996	898	13574
1997	947	13890
1998	921	13863
1999	1054	14109
2000	1083	14337
2001	1104	13984
2002	1130	14379
2003	1130	14226
2004	1161	14397
2005	1265	15250
2006	1265	17574
2007	1270	17296
2008	1303	17607
2009	1293	17922
2010	1283	18238
2011	1272	18557
2012	1260	18879
2013	1247	19203
2014	1233	19529
2015	1219	19858
2016	1203	20189
2017	1186	20523
2018	1169	20859

Source: AIHW analysis of National Perinatal Statistics Unit (NPSU) National Perinatal Data Collection.

Antenatal care – Scenario 1

Table 13: Mothers who attended at least one antenatal care session, rates and rate difference by Indigenous status with confidence intervals, 1998-2018

	Mothers who attended antenatal care per 100 mothers			Indigenous		Non-Indigenous		Rate difference	
	Indigenous	Non-Indigenous	Rate Difference	Lower CI	Upper CI	Lower CI	Upper CI	Lower CI	Upper CI
1998	93.5	96.6	-3.0	90.9	96.2	96.1	97.1	-5.7	-0.3
1999	94.4	97.5	-3.1	91.8	97.0	97.0	98.0	-5.8	-0.5
2000	93.6	97.6	-4.0	91.0	96.2	97.1	98.1	-6.6	-1.3
2001	94.4	97.9	-3.5	91.8	97.1	97.4	98.4	-6.2	-0.8
2002	93.6	98.0	-4.4	91.0	96.2	97.5	98.5	-7.0	-1.7
2003	95.4	98.5	-3.1	92.8	98.0	97.9	99.0	-5.7	-0.4
2004	94.8	98.7	-3.8	92.3	97.4	98.2	99.2	-6.5	-1.2
2005	96.3	98.5	-2.2	93.8	98.8	98.0	99.0	-4.8	0.3
2006	96.6	98.8	-2.2	94.1	99.1	98.3	99.3	-4.7	0.3
2007	96.9	99.0	-2.1	94.5	99.4	98.5	99.5	-4.6	0.4
2008	97.2	99.3	-2.1	94.8	99.6	98.8	99.8	-4.6	0.4
2009	97.5	99.6	-2.0	95.1	99.9	99.0	100.1	-4.5	0.4
2010	97.8	99.8	-2.0	95.4	100.2	99.3	100.3	-4.5	0.5
2011	98.1	100.1	-1.9	95.7	100.5	99.6	100.6	-4.4	0.5
2012	98.4	100.3	-1.9	96.1	100.8	99.8	100.9	-4.3	0.5
2013	98.8	100.6	-1.9	96.4	101.1	100.1	101.1	-4.3	0.6
2014	99.1	100.9	-1.8	96.7	101.4	100.4	101.4	-4.2	0.6
2015	99.4	101.1	-1.8	97.0	101.7	100.6	101.6	-4.2	0.6
2016	99.7	101.4	-1.7	97.3	102.0	100.9	101.9	-4.1	0.7
2017	100.0	101.7	-1.7	97.7	102.3	101.2	102.2	-4.1	0.7
2018	100.3	101.9	-1.6	98.0	102.6	101.4	102.4	-4.0	0.7
Target	98.9	100.0	-1.1	98.9	98.9	100.0	100.0	-1.1	-1.1

Source: AIHW analysis of state/territory perinatal collections.

Antenatal care – Scenario 2

Table 14: Mothers who attended at least one antenatal care session, rates and rate differences by Indigenous status with confidence intervals, 1998-2018

	Mothers who attended antenatal care per 100 mothers			Indigenous		Non-Indigenous		Rate difference	
	Indigenous	Non-Indigenous	Rate Difference	Lower CI	Upper CI	Lower CI	Upper CI	Lower CI	Upper CI
1998	93.5	96.6	-3.0	90.9	96.2	96.1	97.1	-5.7	-0.3
1999	94.4	97.5	-3.1	91.8	97.0	97.0	98.0	-5.8	-0.5
2000	93.6	97.6	-4.0	91.0	96.2	97.1	98.1	-6.6	-1.3
2001	94.4	97.9	-3.5	91.8	97.1	97.4	98.4	-6.2	-0.8
2002	93.6	98.0	-4.4	91.0	96.2	97.5	98.5	-7.0	-1.7
2003	95.4	98.5	-3.1	92.8	98.0	97.9	99.0	-5.7	-0.4
2004	94.8	98.7	-3.8	92.3	97.4	98.2	99.2	-6.5	-1.2
2005	96.3	98.5	-2.2	93.8	98.8	98.0	99.0	-4.8	0.3
2006	96.6	98.8	-2.2	94.1	99.1	98.3	99.3	-4.7	0.3
2007	96.9	99.0	-2.1	94.5	99.4	98.5	99.5	-4.6	0.4
2008	97.2	99.3	-2.1	94.8	99.6	98.8	99.8	-4.6	0.4
2009	97.4	99.4	-2.0	95.0	99.8	98.9	99.9	-4.5	0.5
2010	97.6	99.4	-1.9	95.1	100.0	98.9	100.0	-4.3	0.6
2011	97.7	99.5	-1.8	95.3	100.1	99.0	100.0	-4.2	0.7
2012	97.9	99.6	-1.7	95.5	100.3	99.1	100.1	-4.1	0.7
2013	98.1	99.6	-1.6	95.7	100.4	99.1	100.1	-4.0	0.8
2014	98.2	99.7	-1.5	95.9	100.6	99.2	100.2	-3.9	0.9
2015	98.4	99.8	-1.4	96.1	100.8	99.3	100.3	-3.8	1.0
2016	98.6	99.9	-1.3	96.3	100.9	99.4	100.4	-3.6	1.1
2017	98.8	99.9	-1.2	96.4	101.1	99.4	100.4	-3.5	1.2
2018	98.9	100.0	-1.1	96.6	101.2	99.5	100.5	-3.4	1.3
Target	98.9	100.0	-1.1	98.9	98.9	100.0	100.0	-1.1	-1.1

Source: AIHW analysis of state/territory perinatal collections.

Number of mothers attending antenatal care

Actual number of mothers attending at least one antenatal care session for 1998 to 2006; projected number for trend continuing for 2007 to 2008; and projected number based on trajectory to target for 2008 onwards.

Table 15: Total number of mothers attending at least one antenatal care session, 1998-2006

	Indigenous	Non-Indigenous
1998	4855	140,513
1999	5055	143,261
2000	5010	143,574
2001	4912	142,457
2002	4983	142,110
2003	5236	144,259
2004	5272	144,043
2005	5806	152,933
2006	5910	140,513
2007	6015	143,261
2008	6120	143,574
2009	6217	142,457
2010	6314	142,110
2011	6412	144,259
2012	6510	144,043
2013	6608	152,933
2014	6706	154,061
2015	6805	155,193
2016	6904	156,328
2017	7004	157,164
2018	7103	158,000

Source: AIHW analysis of state/territory perinatal collections.

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