

Victoria's mothers, babies and children 2014 and 2015

Appendix 7: Post-neonatal infant,
child and adolescent deaths
in Victoria 2014 and 2015

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Where the term 'Aboriginal' is used it refers to both Aboriginal and Torres Strait Islander people. Indigenous is retained when it is part of the title of a report, program or quotation.

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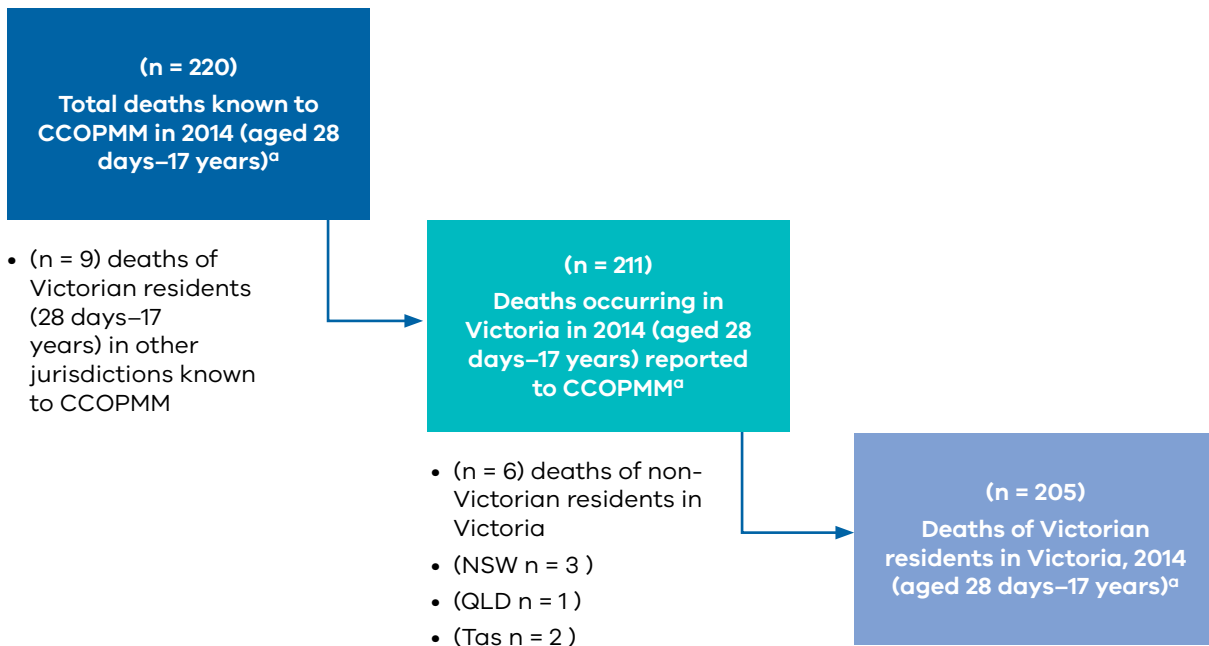
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Figure 1a: Cases included in the review of post-neonatal infant, child and adolescent deaths in 2014^a



a. Neonatal deaths 0-27 days are not included in this section.

There were 9 deaths of Victorian residents in other jurisdictions (overseas 3 and interstate 6). The cause of death was other transport accident (5), drowning (1), malignancy (1), asphyxiation (1) and diseases and morbid conditions (1). The age groups of these children were 28-364 days (1), 1-4 years (1), 5-9 years (4), 10-14 years (2) and 15-17 years (1).

There were 6 deaths in Victoria of post-neonatal infants and children not resident in Victoria. The causes of death were motor vehicle accident (2), malignancy (1), infection (1), other acquired illness (1) and intentional self-harm (1). The place of residence was listed as NSW (3), Tasmania (2) and QLD (1).

Aboriginal status: Where Aboriginal status was known, fewer than 10 infants and children/adolescents were identified as Aboriginal or Torres Strait Islander, or were identified as having at least one parent who was ATSI. The causes of death in these infants and children were congenital anomaly, SIDS, infection, other conditions determined at birth and undetermined.

Data on Victorian residents dying in other jurisdictions received from:

ACT – Child and Young People Death Review Committee

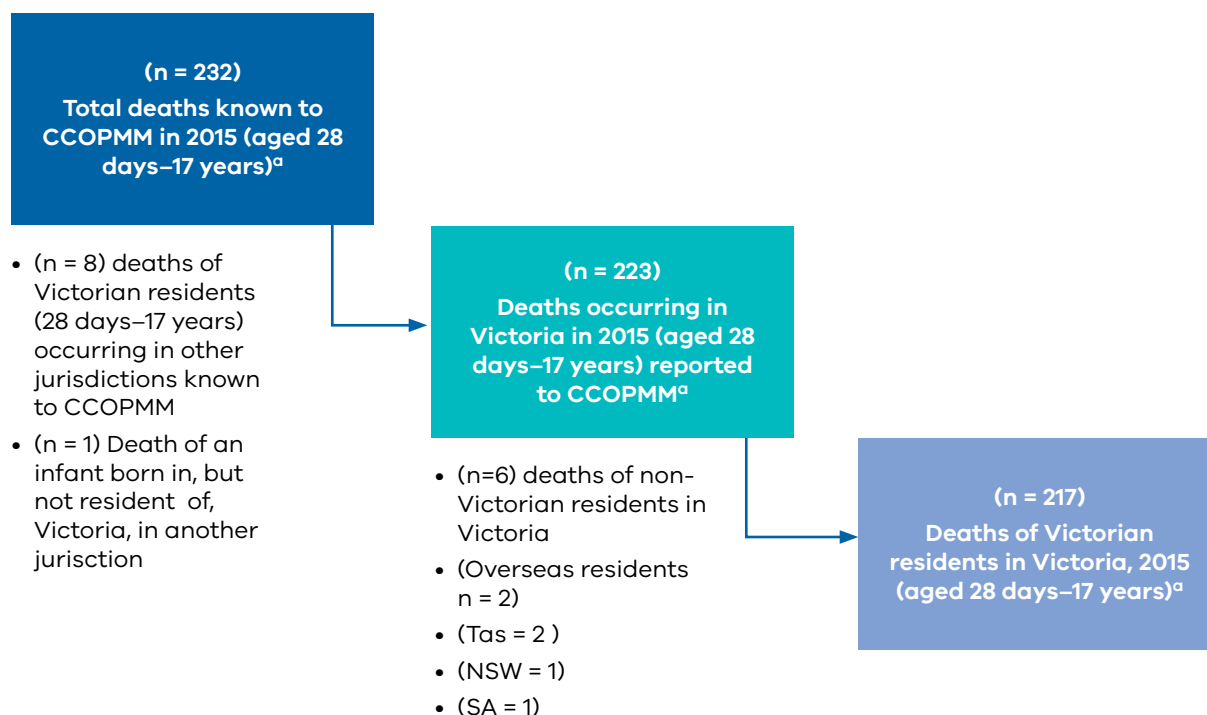
NSW – NSW Ombudsman

NT – NT Child Deaths Review and Prevention Committee

QLD – Queensland Family and Child Commission

SA – SA Child Death and Serious Injury Review Committee

TAS – Council on Obstetric and Paediatric Mortality and Morbidity

Figure 1b: Cases included in the review of post-neonatal infant, child and adolescent deaths in 2015^a

a. Neonatal deaths 0-27 days are not included in this section.

There were 8 deaths of Victorian residents in other jurisdictions (overseas 2 and interstate 6). The cause of death was congenital anomaly (3), other injury (3), transport related (1) and undetermined (1). The age groups of these children were 28–364 days (1), 1–4 years (4), 10–14 years (1) and 15–17 years (2).

There was one death of an infant, born in Victoria (to non-Victorian resident parents), resident in another state, who is known to have died interstate (NSW).

There were 6 deaths in Victoria of post-neonatal infants and children not resident in Victoria. The causes of death were motor vehicle accident (2), malignancy (1), infection (1), other acquired illness (1) and intentional self-harm (1). The place of residence was listed as overseas residents (2), Tasmania (2) NSW (1) and SA (1).

Aboriginal status: Where Aboriginal status was known, fewer than 10 infants and children/adolescents were identified as Aboriginal or Torres Strait Islander, or were identified as having at least one parent who was ATSI. The causes of death in these infants and children were congenital anomaly, SIDS and intentional self-harm.

Data on Victorian residents dying in other jurisdictions received from:

ACT – Child and Young People Death Review Committee

NSW – NSW Ombudsman

NT – NT Child Deaths Review and Prevention Committee

QLD – Queensland Family and Child Commission

SA – SA Child Death and Serious Injury Review Committee

Tas – Council on Obstetric and Paediatric Mortality and Morbidity

Rates of death by age and gender

Table 1a: Infant, child and adolescent deaths (0–17 years), age at death by gender, Victoria 2014

Age at death	Females		Males		Total	
	n	%	n	%	n	%
Under 1 year						
Less than 28 days	112	56.0	81	40.9	193	48.5
≥ 28 days to < 1 year	28	14.0	44	22.2	72	18.1
Subtotal 0–1 year	140	70.0	125	63.1	265	66.6
1 to 4 years	20	10.0	25	12.6	45	11.3
Subtotal 0–4 years	160	80.0	150	75.8	310	77.9
5 to 9 years	15	7.5	13	6.6	28	7.0
10 to 14 years	11	5.5	12	6.1	23	5.8
15 to 17 years	14	7.0	23	11.6	37	9.3
Subtotal 1–17 years	60	30.0	73	36.9	133	33.4
Total: 0–17 years^a	200	100.0	198	100.0	398	100.0

a. This table excludes:

- Live births < 20 w gestation, or, if gestation unknown, < 400 gm
- Neonates where birth occurred interstate or overseas, with death occurring in Victoria (N = 1)
- Neonatal deaths following termination of pregnancy for suspected or confirmed congenital anomaly or maternal psychosocial indication
- Post-neonatal infants, children and adolescents not resident of Victoria, dying in Victoria (N = 6)
- Victorian resident children dying out of Victoria (N = 9).

Table 1b: Infant, child and adolescent deaths (0–17 years), age at death by gender, Victoria 2015

Age at death	Females		Males		Total	
	n	%	n	%	n	%
Under 1 year						
Less than 28 days	69	42.9	89	41.6	158	42.1
≥ 28 days to < 1 year	29	18.0	33	15.4	62	16.5
Subtotal 0–1 year	98	60.9	122	57.0	220	58.7
1–4 years	22	13.7	26	12.1	48	12.8
Subtotal 0–4 years	120	74.5	148	69.2	268	71.5
5–9 years	8	5.0	8	3.7	16	4.3
10–14 years	17	10.6	18	8.4	35	9.3
15–17 years	16	9.9	40	18.7	56	14.9
Subtotal 1–17 years	63	39.1	92	43.0	155	41.3
Total: 0–17 years^a	161	100.0	214	100.0	375	100.0

a. This table excludes:

- Live births < 20 w gestation, or, if gestation unknown, < 400 gm
- Neonates where birth occurred interstate or overseas, with death occurring in Victoria (N = 0)
- Neonatal deaths following termination of pregnancy for suspected or confirmed congenital anomaly
- Post-neonatal infants, children and adolescents not resident of Victoria, dying in Victoria (N = 6)
- Victorian resident children dying out of Victoria (N = 8)
- One infant, born in Victoria but resident elsewhere, dying interstate.

Table 2a: Infant, child and adolescent deaths (0–17 years), death rates for age group by gender, Victoria 2014

Age category	Females		Males		Total	
	n	Rate per 100,000 ^a	n	Rate per 100,000 ^a	n	Rate per 100,000 ^a
Less than 28 days	112	300.2	81	206.9	193	252.4
≥ 28 days to < 1 year	28	75.0	44	112.4	72	94.2
Subtotal 0–1 year	140	375.2	125	319.3	265	346.6
1 to 4 years	20	13.7	25	16.2	45	15.0
Subtotal 0–4 years	160	87.4	150	77.6	310	82.3
5 to 9 years	15	8.6	13	7.1	28	7.8
10 to 14 years	11	6.7	12	7.0	23	6.8
15 to 17 years	14	13.9	23	21.5	37	17.8
Subtotal 1–17 years	60	10.3	73	11.8	133	11.1
Total: 0–17 years	200	32.1	198	30.2	398	31.1

Notes: Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016

This table excludes:

- Live births < 20 w gestation, or, if gestation unknown, < 400 gm
- Neonates where birth occurred interstate or overseas, with death occurring in Victoria (N = 1)
- Neonatal deaths following termination of pregnancy for suspected or confirmed congenital anomaly or maternal psychosocial indication
- Post-neonatal infants, children and adolescents not resident of Victoria, dying in Victoria (N = 6)
- Victorian resident children dying elsewhere (N = 9).

Table 2b: Infant, child and adolescent deaths (0–17 years), death rates for age group by gender, Victoria 2015

Age category	Females		Males		Total	
	n	Rate per 100,000 ^a	n	Rate per 100,000 ^a	n	Rate per 100,000 ^a
Less than 28 days	69	195.7	89	239.1	158	218.0
≥ 28 days to < 1 year	29	82.3	33	88.6	62	85.5
Subtotal 0–1 year	98	278.0	122	327.7	220	303.5
1 to 4 years	22	14.8	26	16.5	48	15.7
Subtotal 0–4 years	120	65.3	148	76.1	268	70.9
5 to 9 years	8	4.5	8	4.3	16	4.4
10 to 14 years	17	10.3	18	10.3	35	10.3
15 to 17 years	16	15.7	40	37.5	56	26.9
Subtotal 1–17 years	63	10.6	92	14.7	155	12.7
Total: 0–17 years	161	25.6	214	32.2	375	29.0

Notes: Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016

This table excludes:

- Live births < 20 w gestation, or, if gestation unknown, < 400 gm
- Neonates where birth occurred interstate or overseas, with death occurring in Victoria (N = 0)
- Neonatal deaths following termination of pregnancy for suspected or confirmed congenital anomaly
- Post-neonatal infants, children and adolescents not resident of Victoria, dying in Victoria (N = 6)
- Victorian resident children dying elsewhere (N = 8)
- One infant, born in Victoria but resident elsewhere, dying interstate.

Infant mortality rate

Table 3: Neonatal, post-neonatal and infant mortality rates, Victoria 2000–2015 (by calendar year of birth)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Live births ^a	62,127	61,670	62,658	62,987	63,047	65,996	69,187	71,728	71,811	724,32	73,731	73,349	77,659	77,566	78,400	78,606
Neonatal deaths ^a	154	169	197	196	172	207	185	189	183	184	211	183	157	198	193	158
Post-neonatal infant deaths	73	86	78	60	75	87	88	87	84	54	95	56	54	77	67	78
Total infant deaths ^b	227	255	275	256	247	294	273	276	267	238	306	239	211	275	260	236
Mortality rate per 1,000 live births																
Neonatal mortality rate	2.5	2.7	3.1	3.1	2.7	3.1	2.7	2.6	2.5	2.5	2.9	2.5	2.0	2.6	2.5	2.0
Post-neonatal infant mortality rate	1.2	1.4	1.2	1.0	1.2	1.3	1.3	1.2	1.2	0.7	1.3	0.8	0.7	1.0	0.9	1.0
Infant mortality rate	3.7	4.1	4.4	4.1	3.9	4.5	3.9	3.8	3.7	3.3	4.2	3.3	2.7	3.5	3.3	3.0

a. The following are excluded:

- Live births and neonatal deaths from terminations of pregnancy for suspected or confirmed congenital anomaly or maternal psychosocial indication
- Births occurring interstate or overseas, with death occurring in Victoria (neonates N = 1 in 2014, 0 in 2015) post-neonatal infants (N = 4 in 2014, N = 2 in 2015)
- Deaths of Victorian-born infants occurring in other jurisdictions not reported to CCOPMM.

b. The deaths in all categories (neonatal, post-neonatal infant and infant deaths), and the corresponding rates, refer to all those who died who were *born in the index year*, regardless of whether they died in the index year or the following year.

For 2014: There were 66 post-neonatal infants born in Victoria in 2014 who died in Victoria. Forty-nine of these infants died in 2014, and 17 died in 2015. In addition, one infant born in Victoria in 2014 died overseas in 2015.

For 2015: There were 77 post-neonatal infants born in Victoria in 2015 who died in Victoria. Forty-four of these infants died in 2015 and 33 died in 2016. In addition, one infant born in Victoria in 2015 (but whose mother's usual place of residence was interstate) died interstate in 2015.

Figure 2: Neonatal, post-neonatal infant and infant mortality rates, Victoria 2000–2015

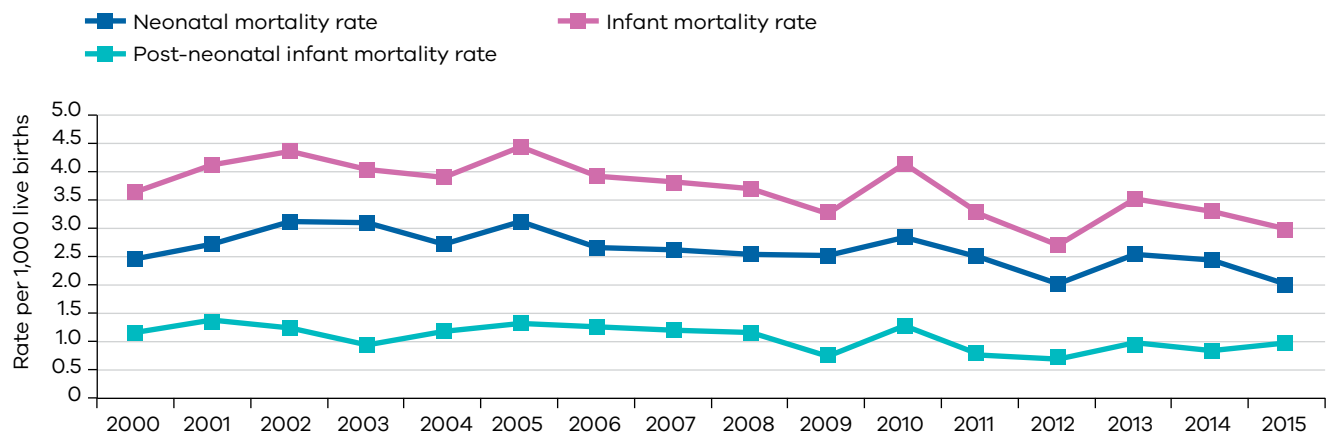


Table 4: Infant mortality rates (per 1,000 live births) of 34 OECD countries^{a,b}, 1960–2015

		1960	1970	1980	1990	2000	2005	2010	2011	2012	2013	2014	2015
1	Luxembourg	..	19.3	11.2	7.3	3.9	2.8	1.9	1.8	1.6	1.6	1.6	1.5
2	Iceland	17.5	12.8	7.8	5.1	3.1	2.4	1.9	1.8	1.7	1.6	1.6	1.6
3	Finland	21.9	13.2	7.2	5.5	3.5	3.1	2.5	2.4	2.2	2.1	2	1.9
4	Japan	30.4	13.4	7.4	4.6	3.3	2.7	2.4	2.3	2.2	2.1	2.1	2.0
5	Norway	18.4	13.1	8.2	7	4	3.2	2.6	2.5	2.3	2.3	2.2	2.0
6	Slovenia	..	..	..	8.8	4.5	3.5	2.7	2.6	2.4	2.3	2.2	2.1
7	Estonia	..	..	22.4	16.5	8.8	5.8	3.6	3.2	2.9	2.7	2.5	2.3
8	Sweden	16.3	11.3	7.2	5.8	3.4	3	2.5	2.4	2.4	2.4	2.4	2.4
9	Czech Republic	..	..	..	12.7	5.6	4.4	3.4	3.2	3.2	3	2.9	2.8
10	Austria	37.3	25	13.9	8	4.6	4	3.6	3.4	3.3	3.2	3	2.9
11	Korea, Rep.	80.2	41.4	12.3	6.1	5.2	4.8	3.5	3.4	3.3	3.2	3	2.9
12	Italy	44.2	29.7	14.3	8.3	4.7	3.7	3.4	3.3	3.2	3.1	3	2.9
13	Denmark	21.3	13.9	8.3	7.3	4.6	4.1	3.3	3.2	3.2	3.1	3	2.9
14	Portugal	84.6	55.4	22.8	11.5	5.5	3.7	3.1	3.1	3.1	3.1	3	3.0
15	Ireland	30.4	19	12	7.7	5.9	4.4	3.5	3.4	3.4	3.2	3.1	3.0
16	Australia	20.3	17.8	10.8	7.6	5.1	4.8	4.1	3.8	3.6	3.4	3.2	3.0
	Victoria ^b					3.7	4.5	4.2	3.3	2.7	3.5	3.3	3.0
17	Germany	..	22.1	12.6	7	4.4	3.9	3.5	3.4	3.3	3.3	3.2	3.1
18	Netherlands	16.4	12.6	8.8	6.8	5.1	4.5	3.7	3.6	3.5	3.3	3.3	3.2
19	Israel	..	..	15.3	9.7	5.6	4.5	3.7	3.5	3.4	3.3	3.3	3.2
20	Belgium	29.5	20.6	12.2	8.3	4.8	4.1	3.6	3.5	3.5	3.4	3.4	3.3
21	Switzerland	21.6	15	8.4	6.7	4.6	4.3	3.9	3.8	3.7	3.6	3.5	3.4
22	Spain	47.7	25.5	15.3	9.3	5.4	4.8	3.9	3.8	3.7	3.7	3.6	3.5
23	France	23.7	15.1	10.2	7.4	4.4	3.8	3.5	3.5	3.5	3.6	3.6	3.5
24	United Kingdom	22.9	18	12	7.9	5.6	5.1	4.4	4.2	4.1	3.9	3.7	3.5
25	Greece	48.3	33.7	21.3	11.3	6.9	4.8	4.1	4	3.9	3.8	3.7	3.6
26	Canada	27.8	18.5	10.3	6.8	5.2	5.3	4.9	4.7	4.7	4.6	4.4	4.3
27	Poland	57.8	32.2	21	15.1	8.1	6.6	5	4.7	4.6	4.5	4.5	4.5
28	New Zealand	22.6	16.9	12.7	9.2	6.1	5.4	5.1	5	4.9	4.9	4.8	4.7
29	Hungary	53.4	39	23.8	16.9	9.7	7.2	5.7	5.5	5.4	5.4	5.3	5.3
30	United States	25.9	19.9	12.6	9.4	7.1	6.8	6.3	6.1	6.1	5.9	5.7	5.6
31	Slovak Republic	..	..	..	15.6	10.2	8.4	7	6.8	6.5	6.3	6.1	5.8
	OECD members	48.5	38.7	26.6	17.0	10.7	8.6	7.2	6.9	6.6	6.4	6.1	5.9
32	Chile	127.6	67.6	28.2	16	9.2	7.7	7.6	7.5	7.4	7.3	7.2	7.0
33	Mexico	..	77.5	56.1	37.1	21.6	16.7	14.4	13.8	13.1	12.5	11.9	11.3
34	Turkey	166	126.2	90.2	55.8	32.1	23.2	16.4	15.3	14.2	13.2	12.3	11.6

a. Selected data (ranked by 2015 value), taken from data series SP.DYN.IMRT.IN.

Data from database: World Development Indicators. Last updated: 11/17/2016.

<http://databank.worldbank.org/data/reports.aspx?source=world-development-indicators#advancedDownloadOptions> Accessed December 13, 2016.

b. This table includes the measured IMR for Victoria.

Under 5 mortality rate

Table 5: Under 5 mortality rate (U5MR), Victoria, 2000–2015

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Live births ^a	62,127	61,670	62,658	62,987	63,047	65,996	69,187	71,728	71,811	72,432	73,731	73,349	77,659	77,566	78,400	78,606
Neonatal deaths ^a	154	169	197	196	172	207	185	189	183	184	211	183	157	198	193	158
Post-neonatal infant deaths ^b	89	73	86	67	75	82	84	86	84	64	93	60	67	67	72	62
1–4 year deaths	52	45	62	62	40	44	35	47	47	50	49	49	55	33	45	48
Total 0–4 deaths	295	287	345	325	287	333	304	322	314	298	353	292	279	298	310	268
U5MR	4.7	4.7	5.5	5.2	4.6	5.0	4.4	4.5	4.4	4.1	4.8	4.0	3.6	3.8	4.0	3.4

The U5MR refers to deaths of children 0–4 years (per 1,000 live births) occurring in the index year.

a. The following are excluded:

- Live births and neonatal deaths from terminations of pregnancy for suspected or confirmed congenital anomaly or maternal psychosocial indication
- Neonates or infants where birth occurred interstate or overseas, with death occurring in Victoria
- Post-neonatal infants and children not normally resident in Victoria, dying in Victoria
- Deaths of Victorian residents 0–4 years, known to have occurred outside Victoria.

Note that the post-neonatal infant numbers are different to those tables and calculations for infant mortality rate (Figure 2 and Table 3). For the U5MR calculation, post-neonatal infant deaths **occurring in the index year** are counted. For the infant mortality rate, post-neonatal infant deaths **occurring in infants born in the index year** are counted, regardless of when they occurred.

Figure 3: Under 5 mortality rate (U5MR), Victoria, 2000–2015

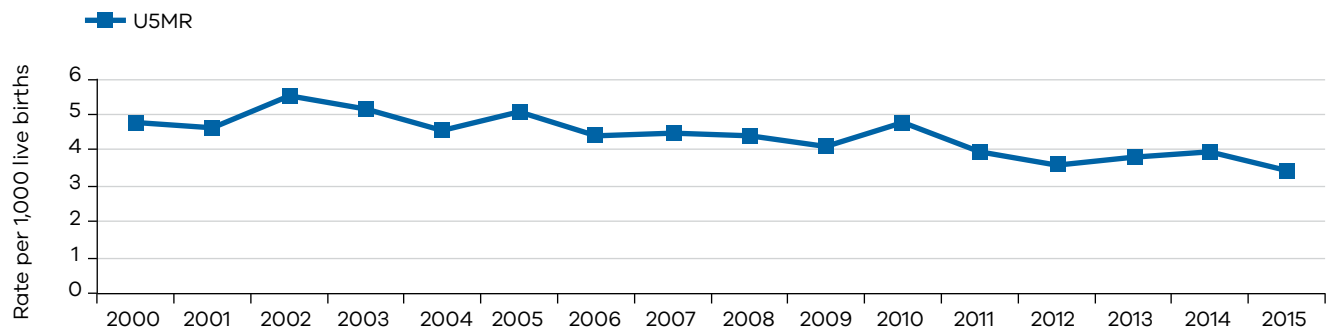


Table 6: Under 5 mortality rate (probability of dying by age 5 per 1,000 live births), of 34 OECD countries, 1960–2015^{a,b}

Rank	Country Name	1960	1970	1980	1990	2000	2005	2010		2012	2013	2014	2015
1	Luxembourg	..	22.4	13.3	8.8	4.8	3.5	2.4		2.1	2	2	1.9
2	Iceland	21.4	15.8	9.8	6.4	4	3.1	2.4		2.2	2.1	2.1	2
3	Finland	26.8	16.1	8.7	6.7	4.3	3.8	3		2.7	2.6	2.4	2.3
4	Norway	22.6	16.2	10.1	8.7	4.9	4	3.2		3	2.8	2.7	2.6
5	Slovenia	..	..	..	10.4	5.5	4.3	3.3		3	2.8	2.7	2.6
6	Japan	39.7	17.5	9.9	6.3	4.5	3.7	3.2		3	2.9	2.8	2.7
7	Estonia	..	..	27.1	20.2	11	7.3	4.6		3.8	3.5	3.2	2.9
8	Sweden	19.6	13.4	8.5	6.9	4.1	3.6	3.1		3	3	3	3
9	Czech Republic	..	..	..	14.6	6.6	5.2	4.1		3.8	3.7	3.5	3.4
10	Korea, Rep.	112.9	52.8	14.3	7.1	6.1	5.6	4.1		3.8	3.7	3.6	3.4
	Victoria^b					4.7	5	4.8		3.6	3.8	4.0	3.4
11	Italy	52	33.6	16.1	9.7	5.5	4.4	4		3.8	3.7	3.6	3.5
12	Denmark	25	16.6	10	8.9	5.6	4.9	4		3.8	3.7	3.6	3.5
13	Austria	42.8	29.1	16.3	9.5	5.5	4.9	4.4		4	3.9	3.7	3.5
14	Ireland	35.3	22.2	14.3	9.2	7.1	5.2	4.2		4	3.8	3.7	3.6
15	Portugal	114.6	68.2	27.6	14.7	7.2	4.7	3.9		3.8	3.8	3.7	3.6
16	Germany	..	25.7	15	8.5	5.4	4.7	4.2		4	3.9	3.8	3.7
17	Netherlands	20.8	15.8	10.9	8.3	6.2	5.4	4.4		4.2	4	3.9	3.8
18	Australia	24.9	21.4	13	9.2	6.2	5.7	4.8		4.3	4.1	3.9	3.8
19	Switzerland	26.5	18.4	10.4	8.2	5.6	5.1	4.5		4.3	4.2	4	3.9
20	Israel	..	..	18	11.6	6.9	5.6	4.6		4.3	4.2	4.1	4
21	Spain	55.6	29.2	17.8	11	6.5	5.7	4.6		4.4	4.3	4.2	4.1
22	Belgium	33.9	23.9	14.5	10	5.8	5	4.5		4.3	4.3	4.2	4.1
23	United Kingdom	26.6	21	14.1	9.3	6.6	6	5.2		4.8	4.6	4.4	4.2
24	France	28.5	18.2	12.4	9	5.4	4.6	4.3		4.3	4.4	4.4	4.3
25	Greece	55.8	37.6	23.5	12.6	7.8	5.5	4.7		4.7	4.7	4.6	4.6
26	Canada	32.6	22	12.5	8.3	6.2	6.1	5.6		5.3	5.2	5	4.9
27	Poland	64.7	36.3	23.9	17.3	9.3	7.6	5.8		5.3	5.2	5.2	5.2
28	New Zealand	27.9	20.8	15.6	11.2	7.4	6.6	6.2		6	5.9	5.8	5.7
29	Hungary	58.9	42.7	26.2	19.1	11.2	8.3	6.6		6.3	6.2	6.1	5.9
30	United States	30.1	23.3	15	11.2	8.4	8	7.4		7.1	6.9	6.7	6.5
	OECD members	63.5	51.2	34.9	21.4	12.9	10.2	8.4		7.8	7.5	7.2	6.9
31	Slovak Republic	..	..	..	17.7	11.7	9.9	8.4		7.9	7.7	7.5	7.3
32	Chile	157.3	79.6	33.2	19.1	10.9	9.1	8.8		8.6	8.4	8.3	8.1
33	Mexico	..	108.6	75.1	46.6	25.6	19.5	16.8		15.3	14.5	13.8	13.2
34	Turkey	249	186.9	128.7	74.5	39.6	27.7	19.1		16.5	15.4	14.3	13.5

a. Selected data (ranked by 2015 value), taken from data series SH.DYN.MORT.

Data from database: World Development Indicators. Last updated: 11/17/2016.

<http://databank.worldbank.org/data/reports.aspx?source=world-development-indicators#advancedDownloadOptions>

Accessed December 13, 2016.

b. This table includes the measured U5MR for Victoria.

Table 7: Neonatal, post-neonatal, infant and under-5 mortality rates, Victoria 2000–2015

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Neonatal mortality rate	2.5	2.7	3.1	3.1	2.7	3.1	2.7	2.6	2.5	2.5	2.9	2.5	2.0	2.6	2.5	2.0
Post-neonatal infant mortality rate	1.2	1.4	1.2	1.0	1.2	1.3	1.3	1.2	1.2	0.7	1.3	0.8	0.7	1.0	0.9	1.0
Infant mortality rate	3.7	4.1	4.4	4.1	3.9	4.5	3.9	3.8	3.7	3.3	4.2	3.3	2.7	3.5	3.3	3.0
Under 5 mortality rate	4.7	4.7	5.5	5.2	4.6	5.0	4.4	4.5	4.4	4.1	4.8	4.0	3.6	3.8	4.0	3.4

Note: For the U5MR calculation, post-neonatal infant deaths *occurring in the index year* are counted. For neonatal, post-neonatal infant and overall infant mortality rate post-neonatal infant deaths *occurring in infants born in the index year* are counted, regardless of when they occurred.

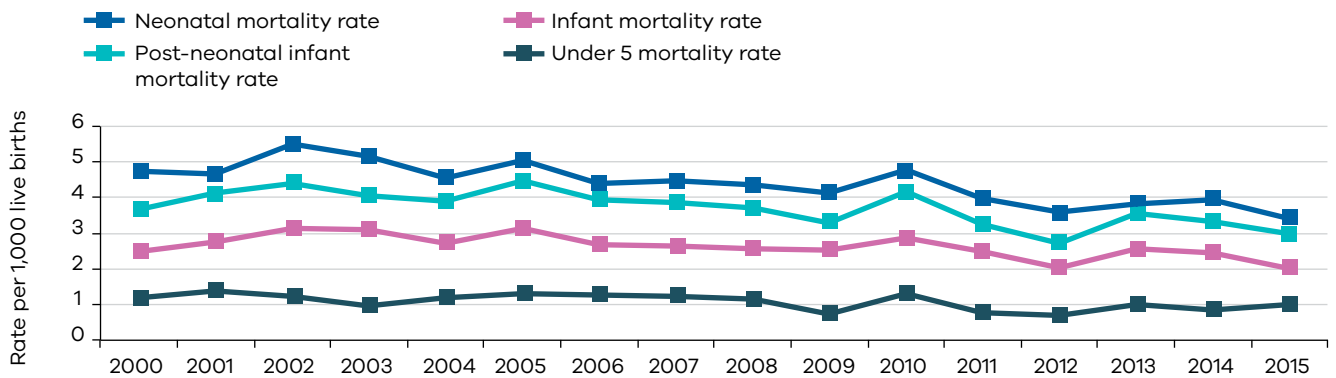
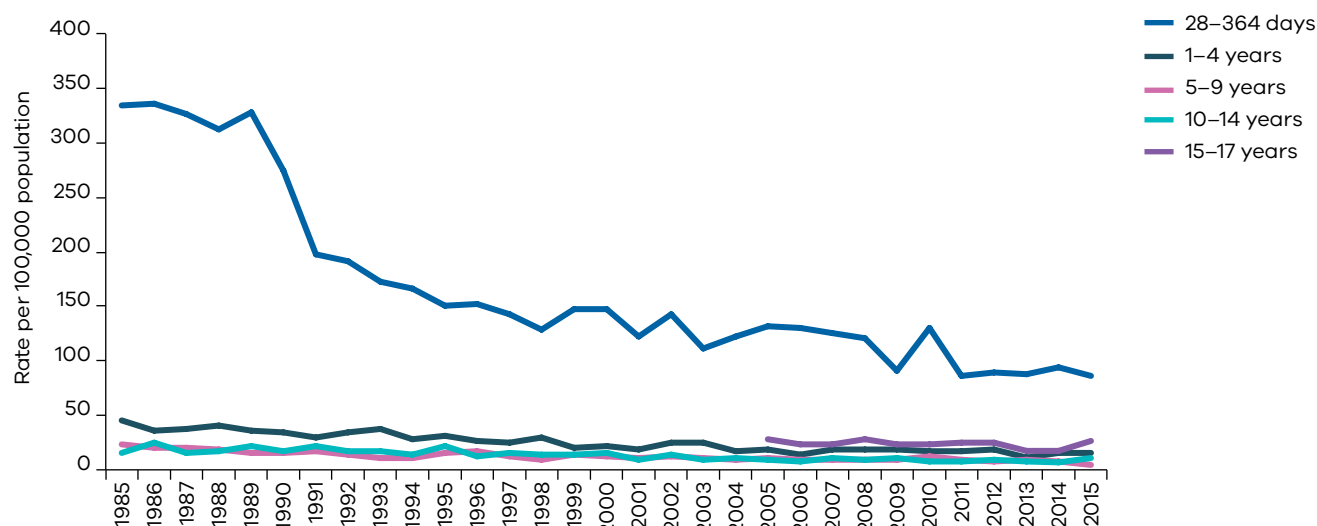
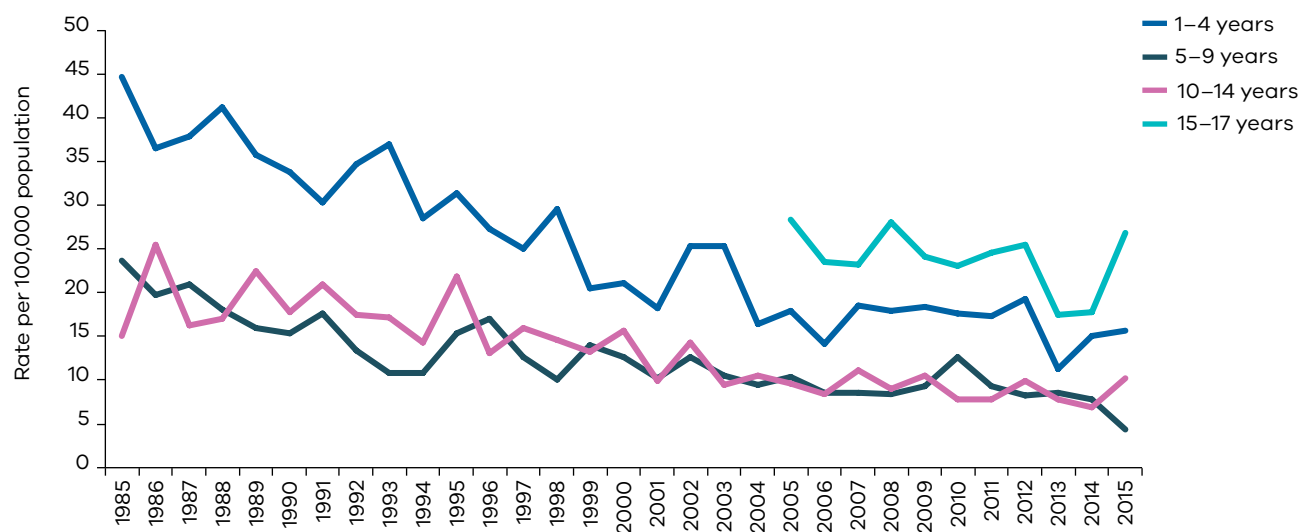
Figure 4: Neonatal, post-neonatal, infant and under-5 mortality rates, Victoria 2000–2015

Figure 5a: Rates of death by age group, Victoria, 1985–2015^{a,b}

a. For post-neonatal infants, the denominator includes all Victorian resident infants 0–364 days of age; while the numerator includes only post-neonatal infants aged 28–364 days.

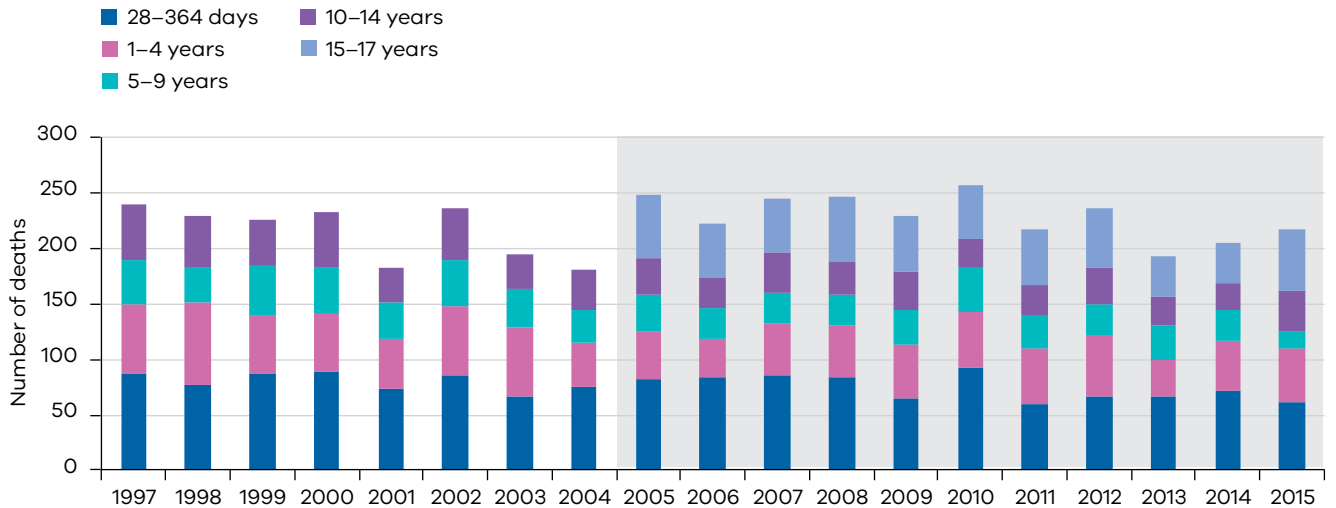
Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016

b. CCOPMM commenced reporting on the 15–17 year age group in 2005.

Figure 5b: Rates of death by age group, (excluding 28–364 days) Victoria 1985–2015^{a,b}

a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

b. CCOPMM commenced reporting on the 15–17 year age group in 2005.

Figure 6: Post-neonatal infant, child and adolescent deaths by age group, Victoria 1997–2015^a

a. CCOPMM commenced reporting on the 15–17 year age group in 2005.

Table 8: Post-neonatal infant, child and adolescent deaths by age group, Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
28–364 days	87	77	88	89	73	86	67	75	82	84	86	84	64	93	60	67	67	72	62
1–4 years	63	74	51	52	45	62	62	40	44	35	47	47	50	49	49	55	33	45	48
5–9 years	40	32	45	41	33	41	34	30	33	27	27	27	30	41	31	28	30	28	16
10–14 years	50	46	42	50	32	47	31	35	32	28	37	30	35	26	26	33	26	23	35
15–17 years	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	57	48	48	58	50	48	51	53	36	37	56
Total	240	229	226	232	183	236	194	180	248	222	245	246	229	257	217	236	192	205	217

N/A – not applicable. CCOPMM commenced reporting in the 15–17 year age group in 2005

Most common causes of death by age group

Table 9: Rank cause of death, post-neonatal infants (28 to 364 days), Victoria 2014

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Congenital anomaly	28	38.9	36.6
2	Infection	12	16.7	15.7
3	Prematurity	10	13.9	13.1
4	Sudden infant death syndrome (SIDS II)	9	12.5	11.8
5	Undetermined	6	8.3	7.8
6	Malignancy	2	2.8	2.6
6	Other acquired disease	2	2.8	2.6
8	Motor vehicle accident	1	1.4	1.3
8	Drowning	1	1.4	1.3
8	Asphyxiation	1	1.4	1.3
Total		72	100.0	94.2

Notes:

- Denominator includes all Victorian resident infants 0 to 364 days of age; while the numerator includes only post-neonatal infants aged 28–364 days. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.
- This table excludes one death of a Victorian resident aged 28–364 days known to have died interstate from diseases and morbid conditions.
- This table excludes deaths of non-Victorian residents aged 28–364 days occurring in Victoria.

Table 10: Rank cause of death, post-neonatal infants (28 to 364 days), Victoria 2015

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Congenital anomaly	25	40.3	34.5
2	Prematurity	11	17.7	15.2
2	Sudden infant death syndrome (SIDS IB, SIDS II)	11	17.7	15.2
4	Infection	7	11.3	9.7
5	Undetermined	4	6.5	5.5
6	Intentional trauma (inflicted by other)	2	3.2	2.8
7	Drowning	1	1.6	1.4
7	Malignancy	1	1.6	1.4
Total		62	100.0	85.5

Notes:

- Denominator includes all Victorian resident infants 0 to 364 days of age; while the numerator includes only post-neonatal infants aged 28–364 days. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.
- This table excludes the death of a Victorian resident aged 28–364 days known to have occurred overseas from a congenital anomaly.
- This table excludes the death of a Victorian born (but interstate resident) post-neonatal infant who died interstate from unknown cause.
- This table excludes deaths of non-Victorian residents aged 28–364 days occurring in Victoria.

Table 11: Rank cause of death, children aged 1 to 4 years, Victoria 2014

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Congenital anomaly	13	28.9	4.3
2	Infection	6	13.3	2.0
3	Motor vehicle accident	5	11.1	1.7
3	Malignancy	5	11.1	1.7
5	Drowning	4	8.9	1.3
5	Intentional trauma (inflicted by other)	4	8.9	1.3
7	Other acquired disease	3	6.7	1.0
8	Fire	2	4.4	0.7
8	Undetermined	2	4.4	0.7
10	Prematurity	1	2.2	0.3
	Total	45	100.0	15.0

Notes:

- Denominator includes all Victorian resident children aged 1 to 4 years. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.
- This table excludes one death of a Victorian resident aged 1–4 years known to have died interstate from a transport accident.
- This table excludes deaths of non-Victorian residents aged 1–4 years occurring in Victoria.

Table 12: Rank cause of death, children aged 1 to 4 years, Victoria 2015

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Congenital anomaly	17	35.4	5.6
2	Malignancy	6	12.5	2.0
2	Intentional trauma (inflicted by other)	6	12.5	2.0
4	Infection	5	10.4	1.6
5	Other unintentional injury	3	6.3	1.0
5	Other acquired disease	3	6.3	1.0
5	Undetermined	3	6.3	1.0
8	Drowning	2	4.2	0.7
9	Prematurity	1	2.1	0.3
9	Motor vehicle accident	1	2.1	0.3
9	Asphyxiation	1	2.1	0.3
	Total	48	100.0	15.7

Notes:

- Denominator includes all Victorian resident children aged 1 to 4 years. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016
- This table excludes four Victorian residents aged 1–4 years known to have died interstate (3) or overseas (1), from congenital anomaly (2) and injury (2).
- This table excludes deaths of non-Victorian residents aged 1–4 years occurring in Victoria.

Table 13: Rank cause of death, children aged 5 to 9 years, Victoria 2014

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Malignancy	10	35.7	2.8
2	Congenital anomaly	6	21.4	1.7
3	Motor vehicle accident	5	17.9	1.4
4	Prematurity	1	3.6	0.3
4	Other conditions determined at birth	1	3.6	0.3
4	Drowning	1	3.6	0.3
4	Asphyxiation	1	3.6	0.3
4	Infection	1	3.6	0.3
4	Other acquired disease	1	3.6	0.3
4	Undetermined	1	3.6	0.3
	Total	28	100.0	7.8

Notes:

- Denominator includes all Victorian resident children 5 to 9 years. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.
- This table excludes four deaths of Victorian residents aged 5–9 years known to have died interstate (three) and overseas (one) from transport injury (2), drowning (1) and malignancy (1).
- This table excludes deaths of non-Victorian residents aged 5–9 years occurring in Victoria.

Table 14: Rank cause of death, children aged 5 to 9 years, Victoria 2015

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Malignancy	8	50.0	2.2
2	Congenital anomaly	3	18.8	0.8
2	Motor vehicle accident	3	18.8	0.8
4	Other acquired disease	2	12.5	0.5
	Total	16	100.0	4.4

Notes:

- Denominator includes all Victorian resident children 5 to 9 years. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.
- This table excludes deaths of non-Victorian residents aged 5–9 years occurring in Victoria.

Table 15: Rank of cause of death, children aged 10 to 14 years, Victoria 2014

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Malignancy	7	30.4	2.1
2	Motor vehicle accident	5	21.7	1.5
3	Congenital anomaly	3	13.0	0.9
4	Birth hypoxia/asphyxia	1	4.3	0.3
4	Prematurity	1	4.3	0.3
4	Fire	1	4.3	0.3
4	Other unintentional injury	1	4.3	0.3
4	Other acquired disease	1	4.3	0.3
4	Undetermined	1	4.3	0.3
4	Intentional trauma (inflicted by other)	1	4.3	0.3
4	Intentional self-harm	1	4.3	0.3
Total		23	100.0	6.8

Notes:

- Denominator includes all Victorian resident children 10 to 14 years. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.
- This table excludes two deaths of Victorian residents aged 10–14 years known to have died overseas from transport injury.
- This table excludes deaths of non-Victorian residents aged 10–14 years occurring in Victoria.

Table 16: Rank of cause of death, children aged 10 to 14 years, Victoria 2015

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Congenital anomaly	12	34.3	3.5
2	Malignancy	10	28.6	2.9
3	Intentional self-harm	5	14.3	1.5
4	Other acquired disease	4	11.4	1.2
5	Birth hypoxia/asphyxia	2	5.7	0.6
6	Motor vehicle accident	1	2.9	0.3
6	Intentional trauma (inflicted by other)	1	2.9	0.3
Total		35	100.0	10.3

Notes:

- Denominator includes all Victorian resident children 10 to 14 years. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016
- This table excludes one death of a Victorian resident aged 10–14 years known to have died interstate from injury.
- This table excludes deaths of non-Victorian residents aged 10–14 years occurring in Victoria.

Table 17: Rank of cause of death, adolescents aged 15 to 17 years, Victoria 2014

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Intentional self-harm	16	43.2	7.7
2	Congenital anomaly	6	16.2	2.9
3	Motor vehicle accident	5	13.5	2.4
3	Malignancy	5	13.5	2.4
5	Other acquired disease	2	5.4	1.0
6	Other conditions determined at birth	1	2.7	0.5
6	Train	1	2.7	0.5
6	Other unintentional injury	1	2.7	0.5
Total		37	100.0	17.8

Notes:

- Denominator includes all Victorian resident adolescents aged 15 to 17 years. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.
- This table excludes the death of a Victorian resident aged 15–17 years known to have died interstate from other injury.
- This table excludes deaths of non-Victorian residents aged 15–17 years occurring in Victoria.

Table 18: Rank of cause of death, adolescents aged 15 to 17 years, Victoria 2015

Rank	Cause of death	n	%	Rate per 100,000 ^a
1	Motor vehicle accident	16	28.6	7.7
2	Intentional self-harm	14	25.0	6.7
3	Other acquired disease	7	12.5	3.4
4	Malignancy	6	10.7	2.9
5	Congenital anomaly	4	7.1	1.9
6	Undetermined	3	5.4	1.4
7	Other unintentional injury	2	3.6	1.0
7	Intentional trauma (inflicted by other)	2	3.6	1.0
9	Other conditions determined at birth	1	1.8	0.5
9	Infection	1	1.8	0.5
Total		56	100.0	26.9

Notes:

- Denominator includes all Victorian resident adolescents aged 15 to 17 years. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.
- This table excludes two deaths of Victorian residents aged 15–17 years known to have died interstate from transport-related injury (1) and undetermined cause (1).
- This table excludes deaths of non-Victorian residents aged 15–17 years occurring in Victoria.

Causes of death by age group

Table 19: Cause of death by age group, 28 days to 17 years, Victoria 2014

Category	Age group					Total	%
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years		
Determined at birth							
Birth hypoxia/asphyxia	0	0	0	1	0	1	0.5
Congenital anomaly	28	13	6	3	6	56	27.3
Prematurity	10	1	1	1	0	13	6.3
Other	0	0	1	0	1	2	1.0
Subtotal	38	14	8	5	7	72	35.1
Sudden infant death syndrome/ USID^a							
Category 1A SIDS	0	0	0	0	0	0	0.0
Category 1B SIDS	0	0	0	0	0	0	0.0
Category II SIDS	9	0	0	0	0	9	4.4
Unclassified sudden infant death	0	0	0	0	0	0	0.0
Subtotal	9	0	0	0	0	9	4.4
Unintentional injury							
Motor vehicle accident	1	5	5	5	5	21	10.2
Drowning	1	4	1	0	0	6	2.9
Fire	0	2	0	1	0	3	1.5
Asphyxiation	1	0	1	0	0	2	1.0
Train	0	0	0	0	1	1	0.5
Other	0	0	0	1	1	2	1.0
Subtotal	3	11	7	7	7	35	17.1
Acquired disease							
Infection	12	6	1	0	0	19	9.3
Malignancy	2	5	10	7	5	29	14.1
Other	2	3	1	1	2	9	4.4
Subtotal	16	14	12	8	7	57	27.8
Undetermined							
Undetermined	6	2	1	1	0	10	4.9
Subtotal	6	2	1	1	0	10	4.9
Intentional injury							
Intentional trauma (inflicted by other)	0	4	0	1	0	5	2.4
Suicide	0	0	0	1	16	17	8.3
Subtotal	0	4	0	2	16	22	10.7
Total	72	45	28	23	37	205	100

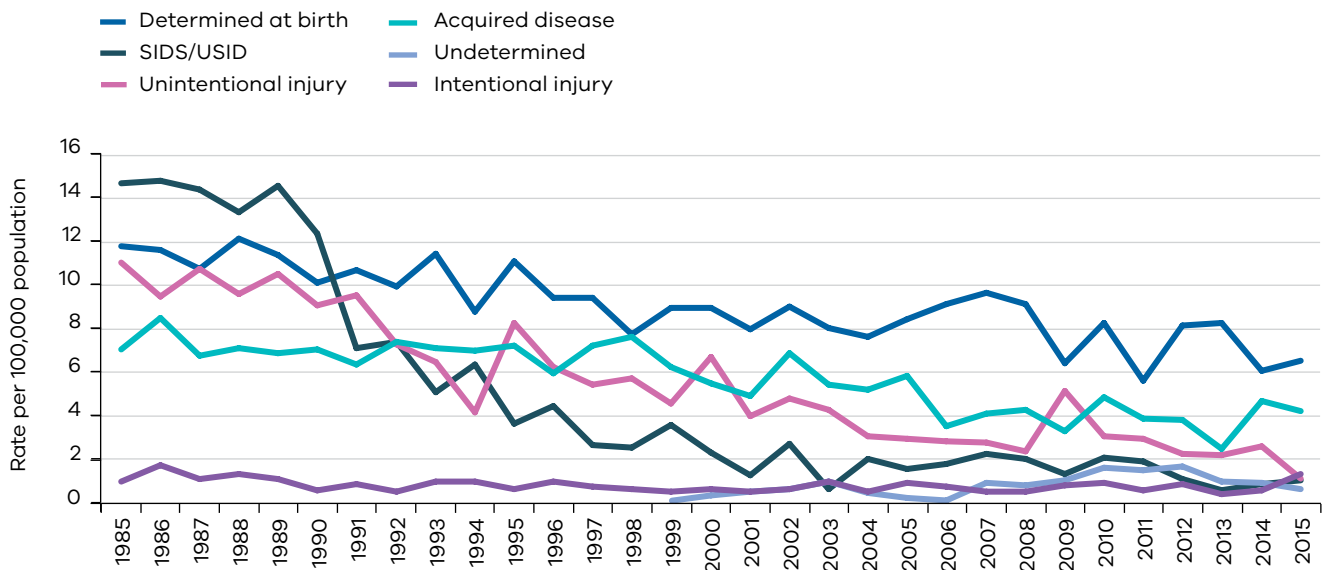
a. The classification of SIDS/USID is detailed in Appendix 1.

Table 20: Cause of death by age group, 28 days to 17 years, Victoria 2015

Category	Age group					Total	%
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years		
Determined at birth							
Birth hypoxia/asphyxia	0	0	0	2	0	2	0.9
Congenital anomaly	25	17	3	12	4	61	28.1
Prematurity	11	1	0	0	0	12	5.5
Other	0	0	0	0	1	1	0.5
Subtotal	36	18	3	14	5	76	35.0
Sudden infant death syndrome/ USID^a							
Category 1A SIDS	0	0	0	0	0	0	0.0
Category 1B SIDS	1	0	0	0	0	1	0.5
Category II SIDS	10	0	0	0	0	10	4.6
Unclassified sudden infant death	0	0	0	0	0	0	0.0
Subtotal	11	0	0	0	0	11	5.1
Unintentional injury							
Motor vehicle accident	0	1	3	1	16	21	9.7
Drowning	1	2	0	0	0	3	1.4
Fire	0	0	0	0	0	0	0.0
Asphyxiation	0	1	0	0	0	1	0.5
Train	0	0	0	0	0	0	0.0
Other	0	3	0	0	2	5	2.3
Subtotal	1	7	3	1	18	30	13.8
Acquired disease							
Infection	7	5	0	0	1	13	6.0
Malignancy	1	6	8	10	6	31	14.3
Other	0	3	2	4	7	16	7.4
Subtotal	8	14	10	14	14	60	27.6
Undetermined							
Undetermined	4	3	0	0	3	10	4.6
Subtotal	4	3	0	0	3	10	4.6
Intentional injury							
Intentional trauma (inflicted by other)	2	6	0	1	2	11	5.1
Suicide	0	0	0	5	14	19	8.8
Subtotal	2	6	0	6	16	30	13.8
Total	62	48	16	35	56	217	100

The classification of SIDS/USID is detailed in Appendix 1.

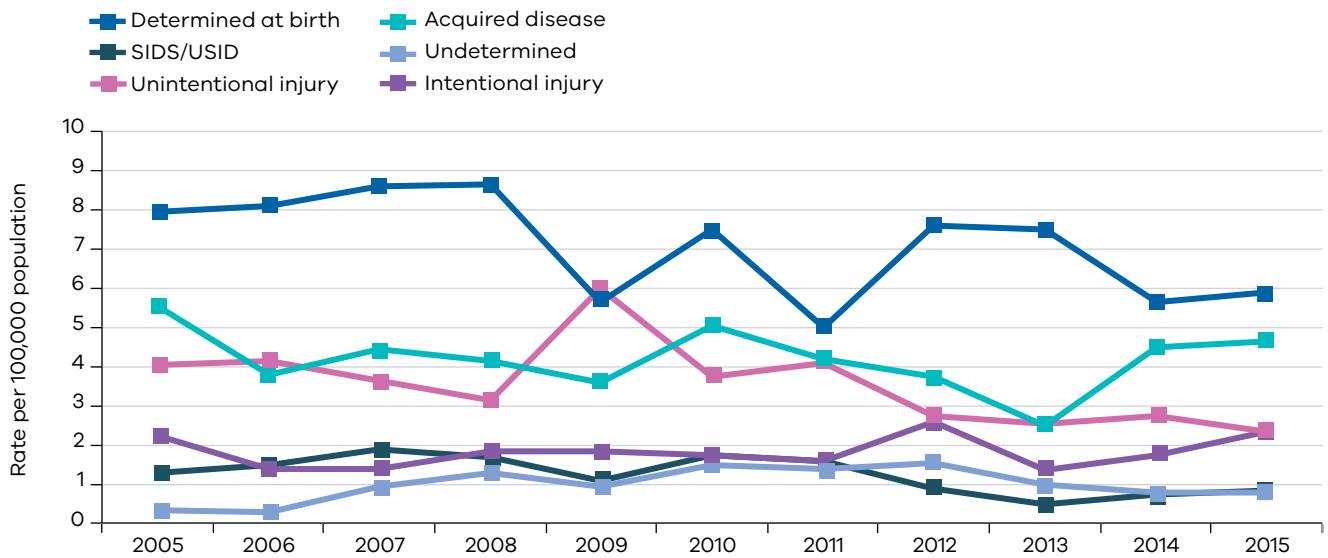
Figure 7a: Rates of major cause of death of post-neonatal infants and children 28 days to 14 years, 1985 to 2015^{a,b}



a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

b. Denominator includes all Victorian residents 0 to 14 years of age; while the numerator includes only those aged 28 days to 14 years.

Figure 7b: Rates of major cause of death of post-neonatal infants and children 28 days to 17 years, 2005 to 2015^{a,b}



a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015 Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016

b. Denominator includes all Victorian residents 0 to 17 years of age; while the numerator includes only those aged 28 days to 17 years. CCOPMM commenced reporting in the 15-17 year age group in 2015.

Figure 8a: Post-neonatal infant and child deaths (28 days to 14 years) by major cause, Victoria 1997–2015

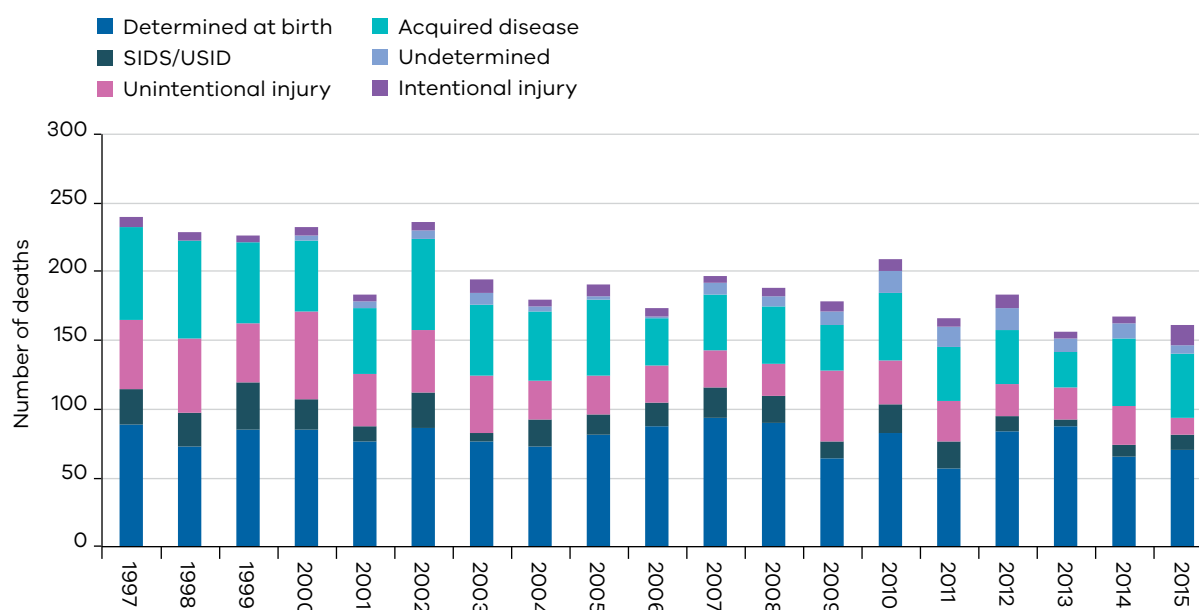
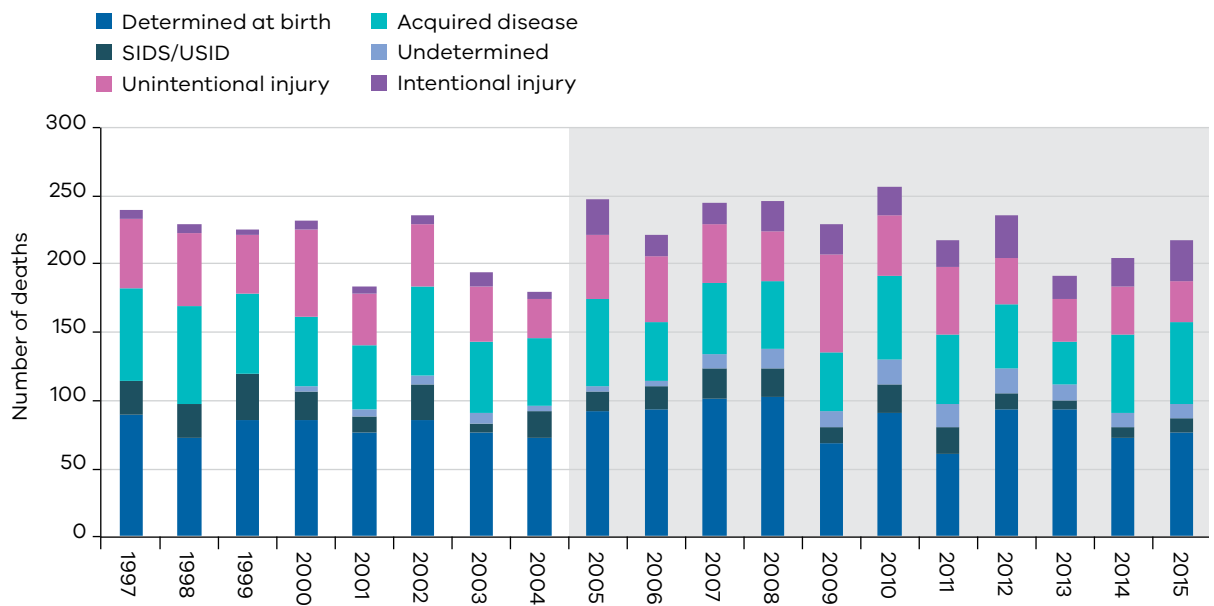


Table 21: Post-neonatal infant and child deaths (28 days to 14 years) by major cause, Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Determined at birth	89	73	85	85	76	86	77	73	81	88	94	90	64	83	57	84	87	65	71
SIDS/ USID ^a	25	24	34	22	12	26	6	19	15	17	22	20	13	21	19	11	6	9	11
Unintentional injury	51	54	43	64	38	46	41	29	28	27	27	23	51	31	30	23	23	28	12
Acquired disease	68	72	59	52	47	66	52	50	56	34	40	42	33	49	39	39	26	50	46
Undetermined ^b	N/A	N/A	0	3	5	6	8	4	2	1	9	7	10	16	15	17	10	10	7
Intentional injury	7	6	5	6	5	6	10	5	9	7	5	6	8	9	6	9	4	6	14
Total cases	240	229	226	232	183	236	194	180	191	174	197	188	179	209	166	183	156	168	161

a. SIDS/USID (Sudden Unexpected Death Syndrome and Unclassified Sudden Infant Death) represent all infants who die suddenly and unexpectedly and for whom no cause is determined at autopsy. It includes, prior to 2004, all SIDS infants. Since 2004, this category includes infants classified to SIDS 1A, SIDS 1B, SIDS II and USID. Prior to 2004, USID equivalent infants were classified as 'Undetermined'.

b. In reports prior to 2002 where a cause of death was not identified or has been classified as unascertained, it was included in 'Acquired Disease', under subcategory 'Other Acquired'. Since the 2002 annual report (incorporating data since 1999) these deaths have been classified under the category 'Undetermined'.

Figure 8b: Post-neonatal infant, child and adolescent deaths^{a,b} by major cause, Victoria 1997–2015

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children aged 28 days to 17 years.

Table 22: Post-neonatal infant, child and adolescent deaths^{a,b} by major cause, Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Determined at birth	89	73	85	85	76	86	77	73	92	94	101	103	68	91	61	94	94	72	76
SIDS/USID ^c	25	24	34	22	12	26	6	19	15	17	22	20	13	21	19	11	6	9	11
Unintentional injury	51	54	43	64	38	46	41	29	47	48	43	37	72	45	50	34	32	35	30
Acquired disease	68	72	59	52	47	66	52	50	64	44	52	49	43	61	51	46	31	57	60
Undetermined ^d	0	0	0	3	5	6	8	4	4	3	11	15	11	18	17	19	12	10	10
Intentional injury	7	6	5	6	5	6	10	5	26	16	16	22	22	21	19	32	17	22	30
Total cases	240	229	226	232	183	236	194	180	248	222	245	246	229	257	217	236	192	205	217

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children aged 28 days to 17 years.

c. SIDS/USID (Sudden Unexpected Death Syndrome and Unclassified Sudden Infant Death) represent all infants who die suddenly and unexpectedly and for whom no cause is determined at autopsy. It includes, prior to 2004, all SIDS infants. Since 2004, this category includes infants classified to SIDS 1A, SIDS 1B, SIDS II and USID. Prior to 2004, USID equivalent infants were classified as 'Undetermined'.

d. In reports prior to 2002 where a cause of death was not identified or has been classified as unascertained, it was included in 'Acquired Disease', under subcategory 'Other Acquired'. Since the 2002 annual report (incorporating data since 1999) these deaths have been classified under the category 'Undetermined'.

Deaths from conditions determined at birth

Figure 9a: Causes of death determined at birth: post-neonatal infants and children (28 days to 14 years), Victoria 1997–2015

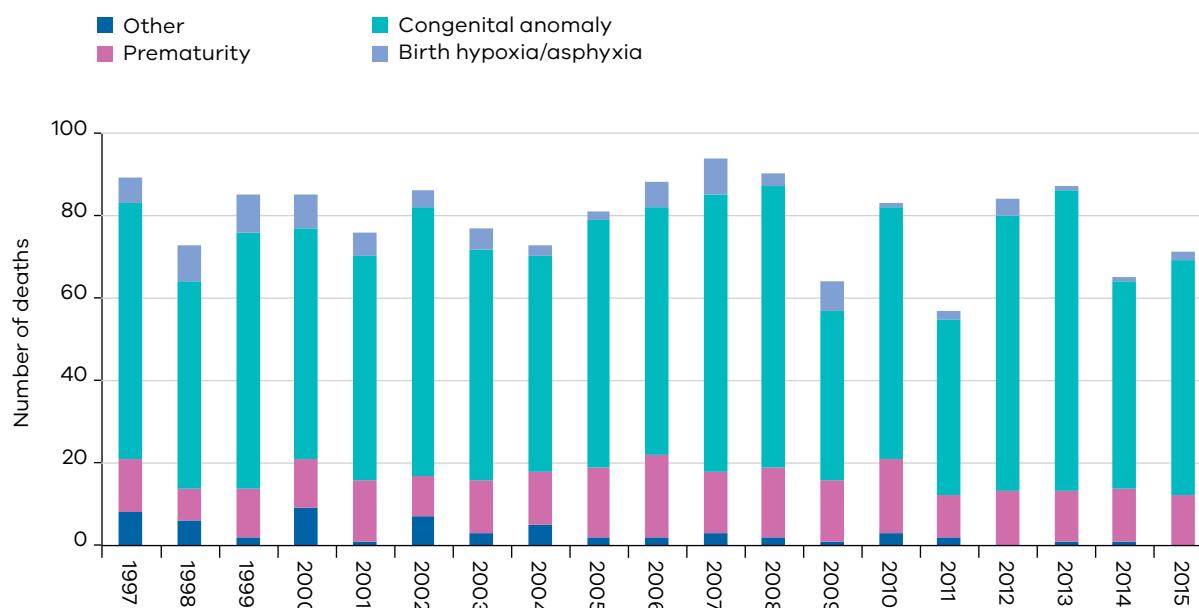
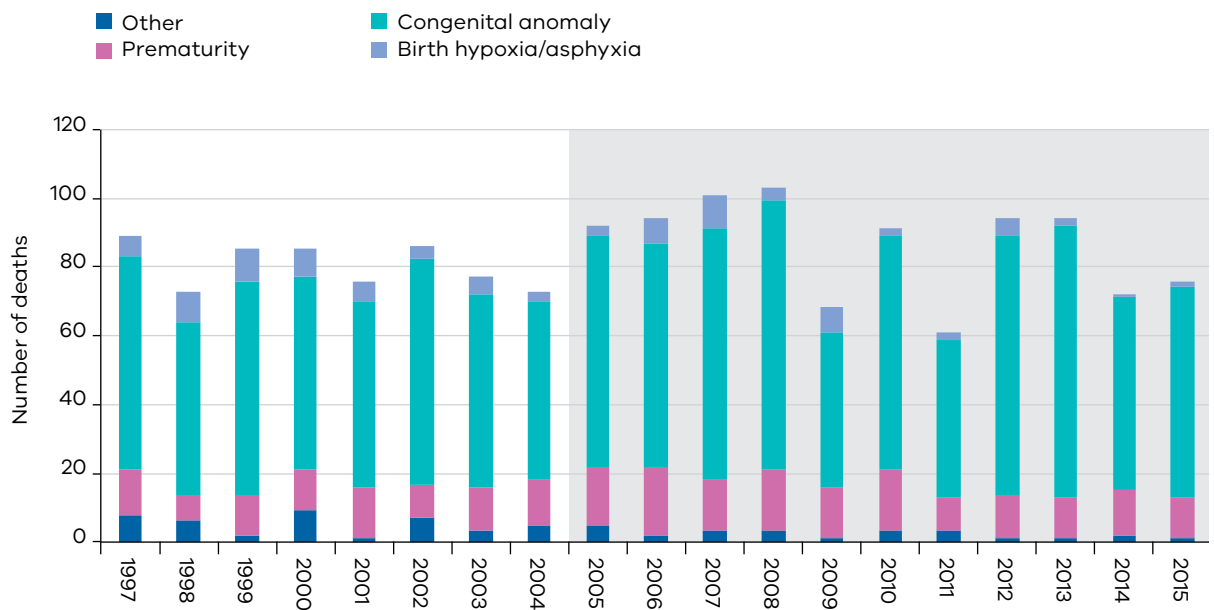


Table 23: Causes of death determined at birth: post-neonatal infants and children (28 days to 14 years), Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Birth hypoxia/asphyxia	6	9	9	8	6	4	5	3	2	6	9	3	7	1	2	4	1	1	2
Congenital anomaly	62	50	62	56	54	65	56	52	60	60	67	68	41	61	43	67	73	50	57
Prematurity	13	8	12	12	15	10	13	13	17	20	15	17	15	18	10	13	12	13	12
Other	8	6	2	9	1	7	3	5	2	2	3	2	1	3	2	0	1	1	0
Total cases	89	73	85	85	76	86	77	73	81	88	94	90	64	83	57	84	87	65	71

Figure 9b: Causes of death determined at birth: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015



a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children and adolescents aged 28 days to 17 years.

Table 24: Causes of death determined at birth: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Birth hypoxia/asphyxia	6	9	9	8	6	4	5	3	3	7	10	4	7	2	2	5	2	1	2
Congenital anomaly	62	50	62	56	54	65	56	52	67	65	73	78	45	68	46	75	79	56	61
Prematurity	13	8	12	12	15	10	13	13	17	20	15	18	15	18	10	13	12	13	12
Other	8	6	2	9	1	7	3	5	5	2	3	3	1	3	3	1	1	2	1
Total cases	89	73	85	85	76	86	77	73	92	94	101	103	68	91	61	94	94	72	76

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children and adolescents aged 28 days to 17 years.

Table 25: Deaths from conditions determined at birth by age group, Victoria, 2014

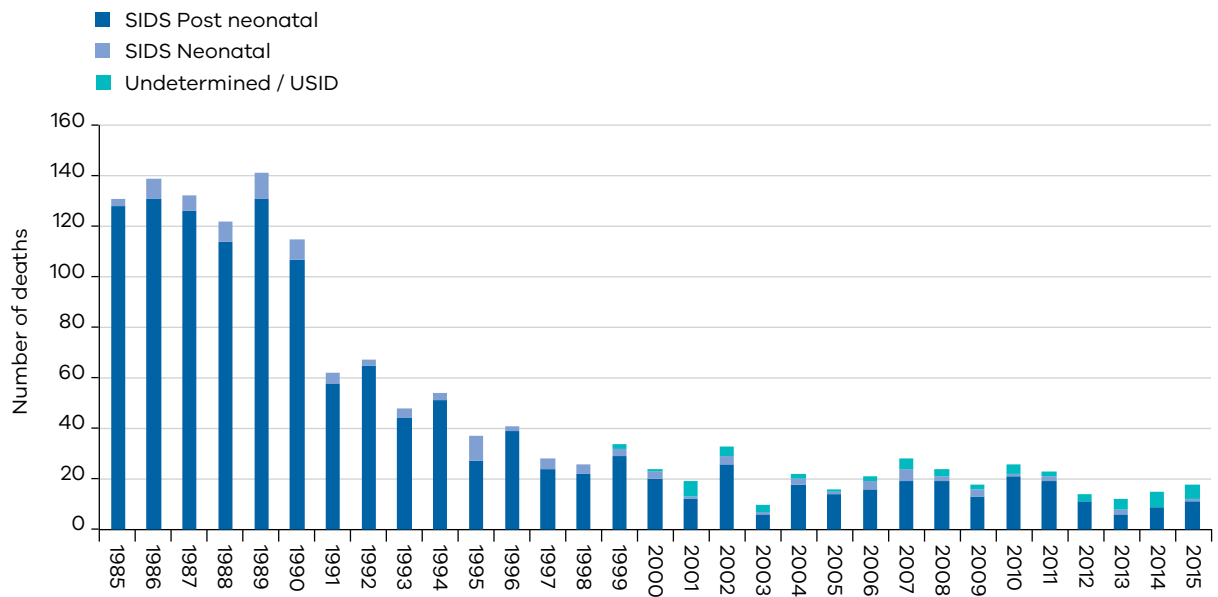
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	Total
Birth asphyxia/hypoxia	0	0	0	1	0	1
Congenital anomaly	28	13	6	3	6	56
Prematurity	10	1	1	1	0	13
Other	0	0	1	0	1	2
Total	38	14	8	5	7	72

Table 26: Deaths from conditions determined at birth by age group, Victoria, 2015

	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	Total
Birth asphyxia/hypoxia	0	0	0	2	0	2
Congenital anomaly	25	17	3	12	4	61
Prematurity	11	1	0	0	0	12
Other	0	0	0	0	1	1
Total	36	18	3	14	5	76

Sudden unexpected deaths in infants (SUDI)

Figure 10: Unexplained sudden unexpected death in infants, Victoria 1985–2015^{a,b}



a. SIDS categories 2A/2B/2C/2D until 2003 and since 2004 SIDS 1A/1B/II.

b. This figure has been amended to include USID/Undetermined SUDI cases as a separate category from 1999. From 2004–2007 unclassified sudden infant death (USID) was previously included in the SIDS categories in this figure, but is now listed in the undetermined category. Prior to 1999, USID equivalent cases were classified as 'undetermined', and are not included in this amended figure.

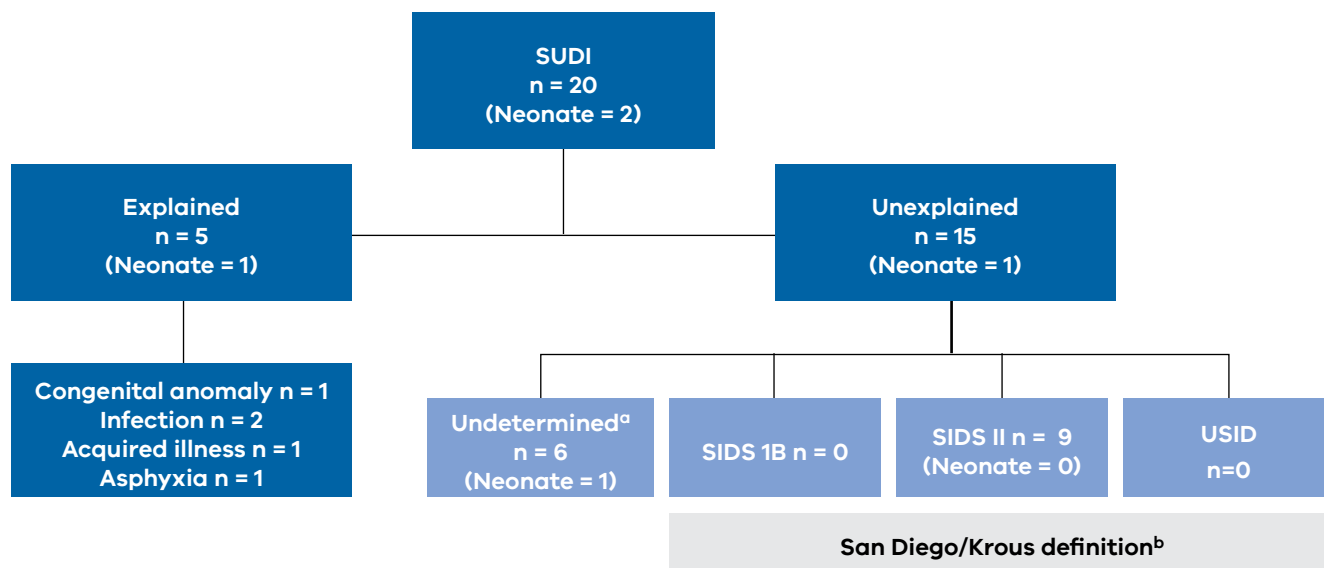
Table 27: Unexplained sudden unexpected death in infants, Victoria 1985–2015^{a,b}

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
SIDS Post-neonatal	128	131	126	114	131	107	58	65	44	51	27	39	24	22	29	20	12	26	6	18	14	16	19	19	13	21	19	11	6	9	11
SIDS Neonatal	3	8	6	8	10	8	4	2	4	3	10	2	4	4	3	3	1	3	1	2	1	3	5	2	3	1	2	0	2	0	1
Undetermined/USID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	6	4	3	2	1	2	4	3	2	4	2	3	4	6	6
Total	131	139	132	122	141	115	62	67	48	54	37	41	28	26	34	24	19	33	10	22	16	21	28	24	18	26	23	14	12	15	18

a. SIDS categories 2A/2B/2C/2D until 2003 and since 2004 SIDS 1A/1B/II.

b. This table has been amended to include USID/Undetermined SUDI cases as a separate category from 1999. From 2004–2007 unclassified sudden infant death (USID) was previously included in the SIDS categories in this figure, but is now listed in the undetermined category. Prior to 1999, USID equivalent cases were classified as 'undetermined', and are not included in this amended figure.

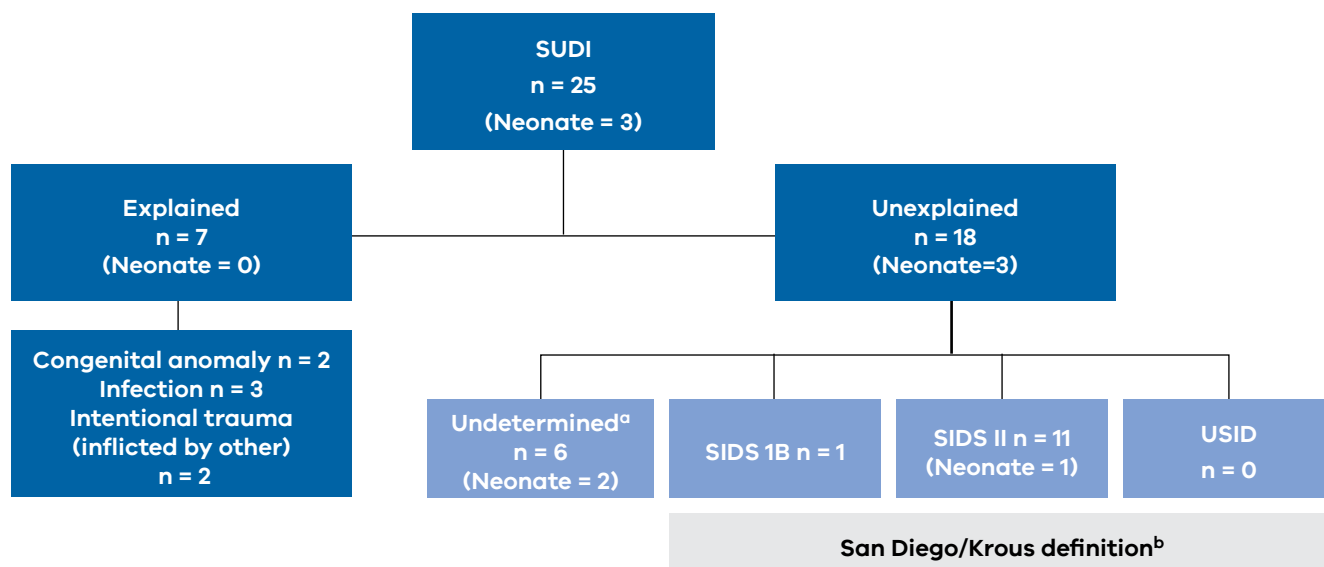
Figure 11a: Sudden unexpected deaths of infants, Victoria 2014



a. See Table 52

b. See Appendix 1 for full definition

Figure 11b: Sudden unexpected deaths of infants, Victoria 2015



a. See Table 53

b. See Appendix 1 for full definition

Table 28: SUDI^{a,b} deaths: cause of death, Victoria 2004–2015

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Unexplained deaths													
ICD 10 code	San Diego (Krous) definition												
R95	Sudden infant death syndrome (category SIDS 1B)	4	2	1	2	1	0	2	0	1	2	0	1
R95	Sudden infant death syndrome (category SIDS II)	16	13	18	22	20	16	20	21	10	6	9	11
	Undetermined ^b / undetermined sudden infant death	2	1	2	4	3	2	4	2	3	4	6	6
Explained deaths													
	Congenital anomaly/ genetic condition	2	1	1	1	1	1	0	0	0	0	1	2
	Asphyxiation	1	1	3	2	0	0	0	0	0	2	1	0
	Infection	5	5	1	1	0	1	0	0	0	0	2	3
	Intentional injury	0	2	0	0	0	0	0	0	0	0	0	2
	Acquired illness	0	0	0	0	0	0	0	0	0	0	1	0
	Aspiration pneumonia	0	1	0	0	0	0	0	0	0	0	0	0
	Intestinal ischaemia	0	0	1	0	0	0	0	0	0	0	0	0
	Complications of prematurity	0	0	0	1	0	0	0	0	0	0	0	0
Total		30	26	27	33	25	20	26	23	14	14	20	25

a. See Appendix 1 for full definition

b. See Tables 52 and 53

Table 29: Selected features of the (n = 20) infants categorised as SIDS II^a, Victoria 2014 and 2015

SIDS II features^a	n	% of cases (N = 20)
Prematurity	6	30
Age ≤ 21 days	1	5
Age ≥ 9 months	1	5
History of similar death among siblings, close relatives or infants in care of same caregiver	0	0
Neonatal or perinatal conditions which had resolved by the time of death	4	20
Mechanical asphyxia or suffocation caused by overlaying not determined with certainty (as co-sleeping or unsafe sleeping environment)	18	90
Marked inflammatory changes not sufficient to be unequivocal causes of death	8	40
Abnormal growth or development not thought to have contributed to death	4	20
Total	42	N/A

a. Infants can have more than one feature

N/A – not applicable

Table 30: Selected features of the (n = 33) unexplained SUDI deaths, 2014 and 2015^a

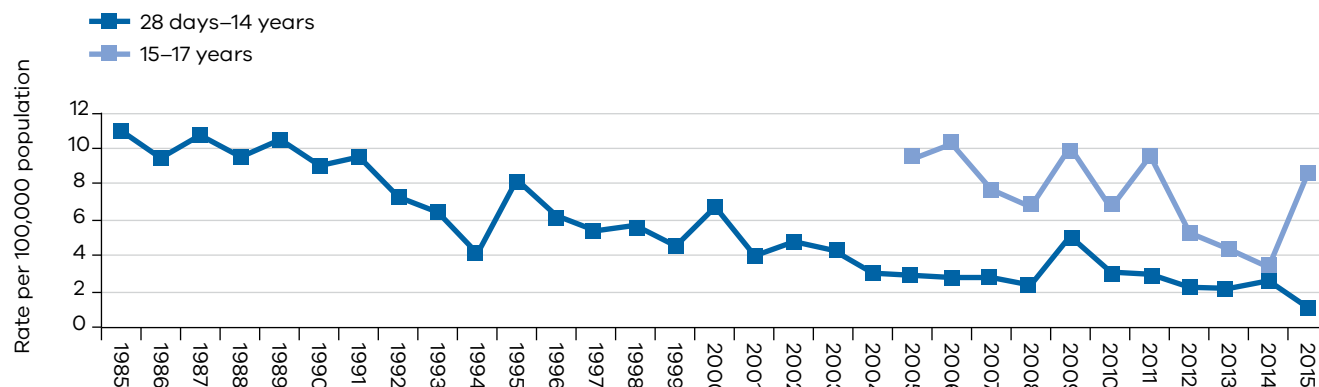
		Females	Males	Total	
		n	n	n	%
Sex and age at death	< 21 days	1	2	3	9.1
	21 days to < 1 month	1	0	1	3.0
	1 month	5	5	10	30.3
	2 months	3	1	4	12.1
	3 months	1	1	2	6.1
	4 months	2	3	5	15.2
	5 months	0	1	1	3.0
	≥ 6 months	3	4	7	21.2
	Total	16	17	33	100
		n	%		
Gestational age	Preterm < 37	7	21.2		
	Term	26	78.8		
	Total	33	100		
Birthweight	< 2500 g	5	15.2		
	≥ 2500 gm	27	81.8		
	Unknown ^b	1	3.0		
	Total	33	100		
Mother's age at delivery (years)	15–19	4	12.1		
	20–24	8	24.2		
	25–29	6	18.2		
	≥ 30 years	14	42.4		
	Unknown ^b	1	3.0		
	Total	33	100		
Position when placed to sleep	Prone	3	9.1		
	Side	6	18.2		
	Supine	12	36.4		
	Being held	3	9.1		
	Not adequately described	9	27.3		
	Total	33	100		
Co-sleeping	Yes	16	48.5		
	No	17	51.5		
	Total	33	100		
Co-sleeping site	Couch/chair	4	25.0		
	Adult bed	10	62.5		
	Other type of bed	2	12.5		
	Total	16	100		
Non co-sleeping bed ^c	Cot	5	29.4		
	Bassinet	4	23.5		
	Portable cot	1	5.9		
	Adult bed	6	35.3		
	Other type of bed	1	5.9		
	Total	17	100		

		Females	Males
		n	%
Position when found	Prone	10	30.3
	Not adequately described	23	69.7
	Total	33	100
DHHS region	Metropolitan	22	66.7
	Non-metropolitan	11	33.3
	Total	33	100
Season of death	Spring	10	30.3
	Summer	6	18.2
	Autumn	10	30.3
	Winter	7	21.2
	Total	33	100

- a. The 2014 (n = 15) unexplained SUDI deaths are coded as: SIDS 1A (n = 0), IB (n = 0), SIDS II (n = 9), USID (n = 0) and Undetermined (n = 6).
The 2015 (n = 18) unexplained SUDI deaths are coded as: SIDS 1A (n = 0), IB (n = 1), SIDS II (n = 11), USID (n = 0) and Undetermined (n = 6).
- b. Unknown mother's age and weight for baby as the birth occurred interstate resulting in birth details not being available.
- c. Sleeping site may not have been safe according to recommendations, all adult beds are considered unsafe sleep environments.

Deaths from unintentional injury

Figure 12: Rates of unintentional injury deaths by age group, Victoria 1985–2015^a

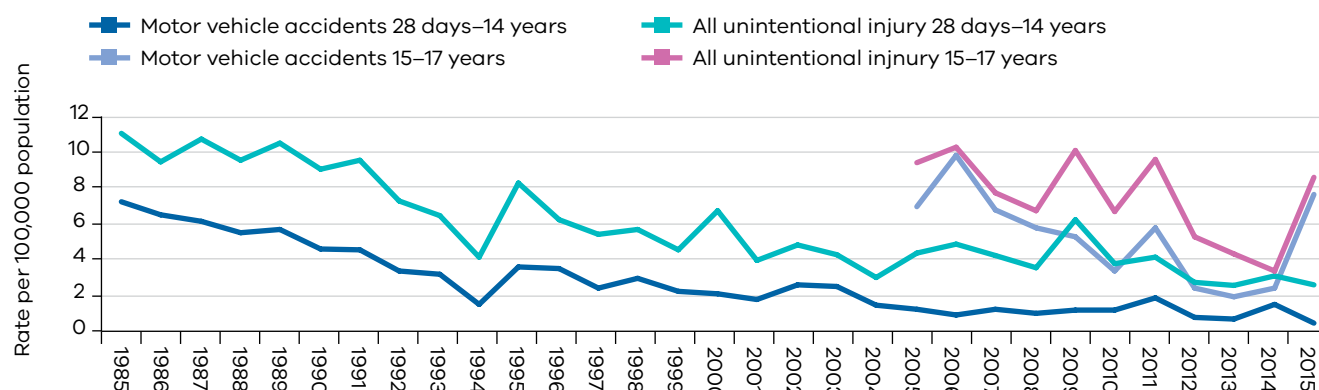


a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015. Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

Notes:

- For 28 days–14 years the denominator includes all Victorian resident infants 0–14 years of age; while the numerator includes only children aged 28 days–14 years.
- CCOPMM commenced reporting in the 15–17 year age group in 2005.

Figure 13: Rates of motor vehicle accidents and all unintentional injury deaths by age group, Victoria 1985–2015^a

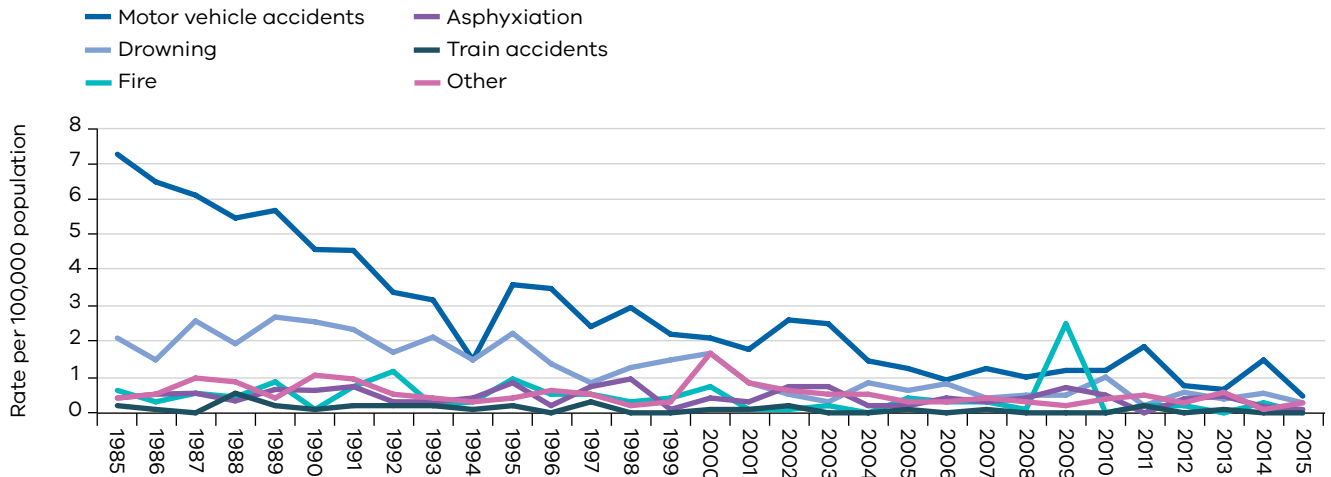


a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015. Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

Notes:

- For 28 days–14 years the denominator includes all Victorian resident infants 0–14 years of age; while the numerator includes only children aged 28 days–14 years.
- CCOPMM commenced reporting in the 15–17 year age group in 2005.

Figure 14: Rates of unintentional injury deaths, 28 days to 14 years, Victoria 1985–2015^a

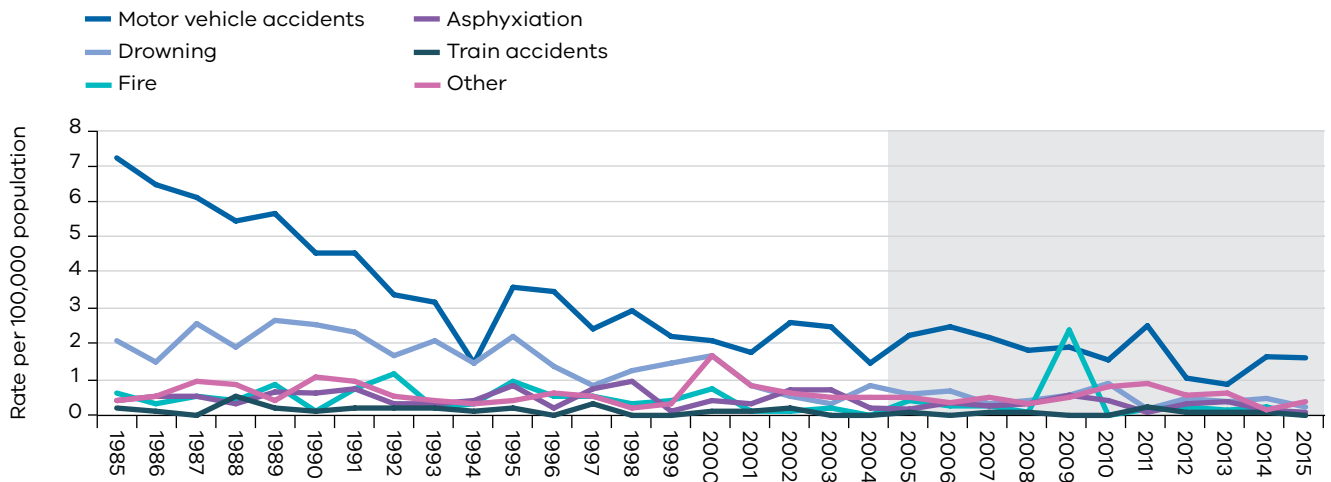


a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015. Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

Notes:

- For 28 days–14 years the denominator includes all Victorian resident infants 0–14 years of age; while the numerator includes only children aged 28 days–14 years.
- The spike in fire-related deaths in 2009 relates to the Victorian bushfires of February 2009.

Figure 15: Rates of unintentional injury deaths, Victoria 1985–2015^a

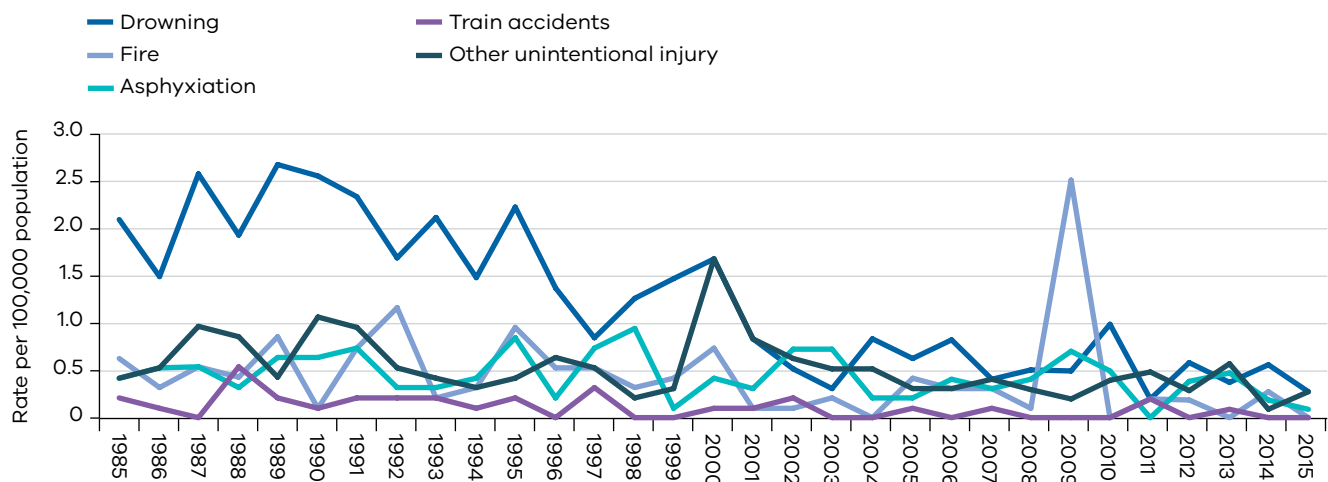


a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015. Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

Notes:

- For 1985–2004, the denominator includes all Victorian resident children 0–14 years of age; while the numerator includes only children aged 28 days–14 years.
- For 2005 onwards, the denominator includes all Victorian resident children 0–17 years of age; while the numerator includes only children aged 28 days–17 years.
- The spike in fire-related deaths in 2009 relates to the Victorian bushfires of February 2009.

Figure 16: Rates of unintentional injury deaths (excluding motor vehicle accidents), 28 days to 14 years, Victoria 1985–2015^a



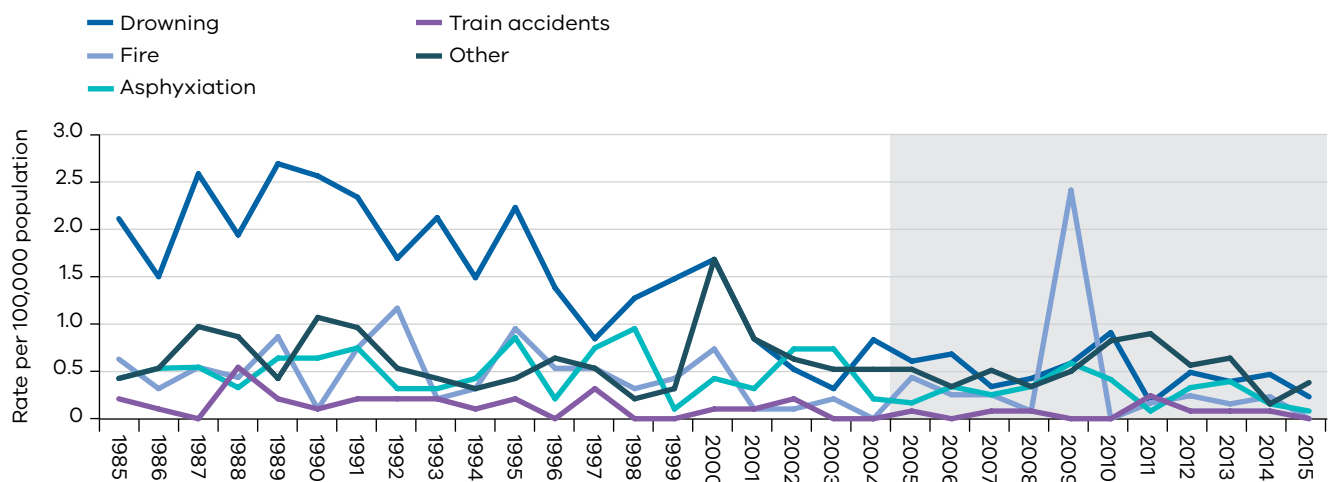
a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015

Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016

Note:

- For 0–14 years, the denominator includes all Victorian resident children 0–14 years of age; while the numerator includes only children aged 28 days–14 years.

Figure 17: Rates of unintentional injury deaths (excluding motor vehicle accidents), Victoria 1985–2015^a



a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015

Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016

Notes:

- CCOPMM commenced reporting in the 15–17 year age group in 2005
- For 1985–2004, the denominator includes all Victorian resident children 0–14 years of age; while the numerator includes only children aged 28 days–14 years.
- For 2005 onwards, the denominator includes all Victorian resident children 0–17 years of age; while the numerator includes only children aged 28 days–17 years.

Figure 18a: Unintentional injury deaths: post-neonatal infants and children (28 days to 14 years), Victoria 1997–2015

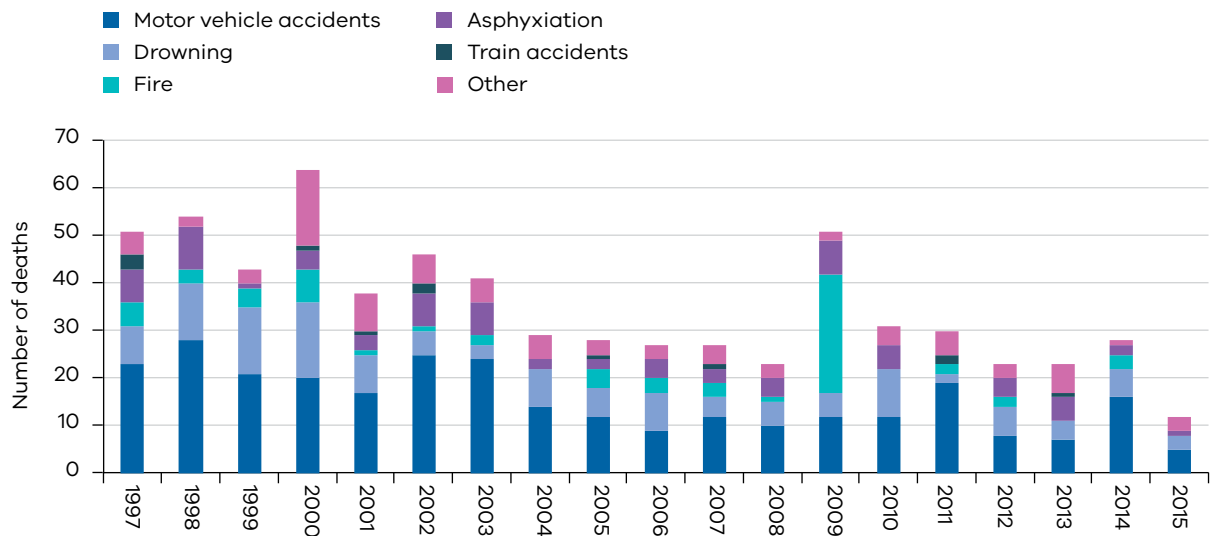
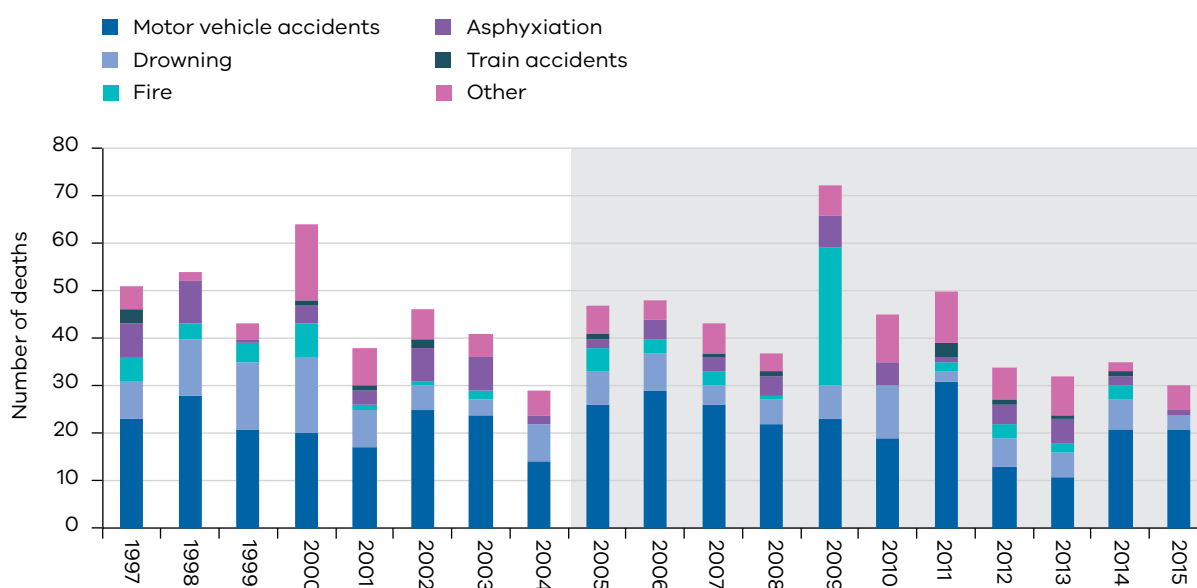


Table 31: Unintentional injury deaths: post-neonatal infants and children (28 days to 14 years), Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Motor vehicle accidents	23	28	21	20	17	25	24	14	12	9	12	10	12	12	19	8	7	16	5
Drowning	8	12	14	16	8	5	3	8	6	8	4	5	5	10	2	6	4	6	3
Fire	5	3	4	7	1	1	2	0	4	3	3	1	25	0	2	2	0	3	0
Asphyxiation	7	9	1	4	3	7	7	2	2	4	3	4	7	5	0	4	5	2	1
Train accidents	3	0	0	1	1	2	0	0	1	0	1	0	0	0	2	0	1	0	0
Other	5	2	3	16	8	6	5	5	3	3	4	3	2	4	5	3	6	1	3
Total	51	54	43	64	38	46	41	29	28	27	27	23	51	31	30	23	23	28	12

Figure 18b: Unintentional injury deaths: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015



a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children aged 28 days to 17 years.

Table 32: Unintentional injury deaths: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Motor vehicle accidents	23	28	21	20	17	25	24	14	26	29	26	22	23	19	31	13	11	21	21
Drowning	8	12	14	16	8	5	3	8	7	8	4	5	7	11	2	6	5	6	3
Fire	5	3	4	7	1	1	2	0	5	3	3	1	29	0	2	3	2	3	0
Asphyxiation	7	9	1	4	3	7	7	2	2	4	3	4	7	5	1	4	5	2	1
Train accidents	3	0	0	1	1	2	0	0	1	0	1	1	0	0	3	1	1	1	0
Other	5	2	3	16	8	6	5	5	6	4	6	4	6	10	11	7	8	2	5
Total	51	54	43	64	38	46	41	29	47	48	43	37	72	45	50	34	32	35	30

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children aged 28 days to 17 years.

Figure 19a: Motor vehicle accident fatalities: post-neonatal infants and children (28 days to 14 years), Victoria 1997–2015

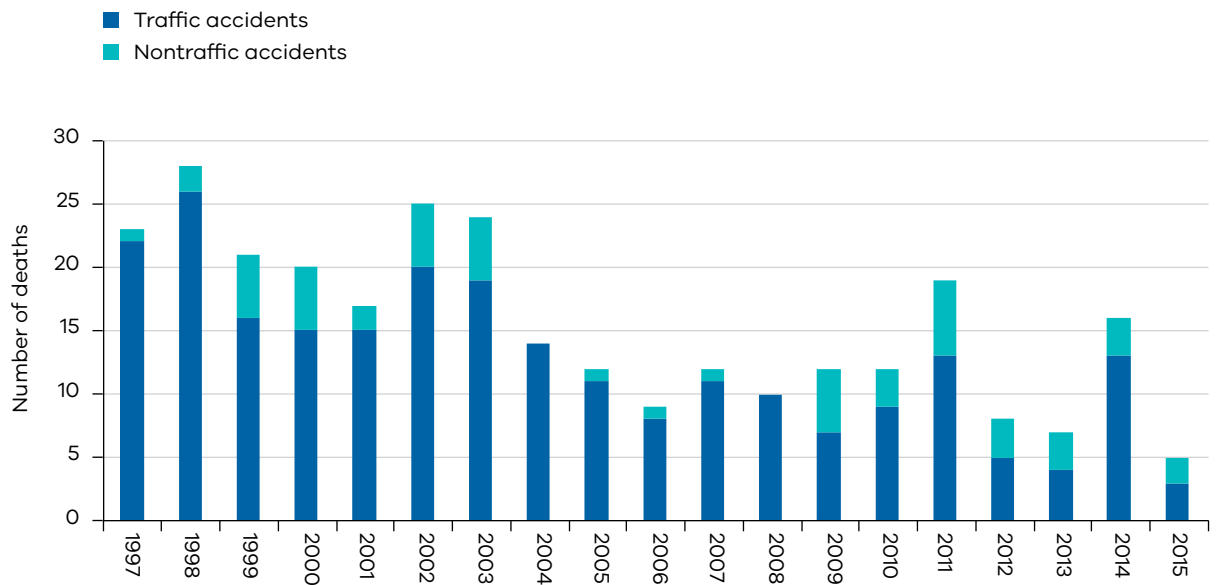
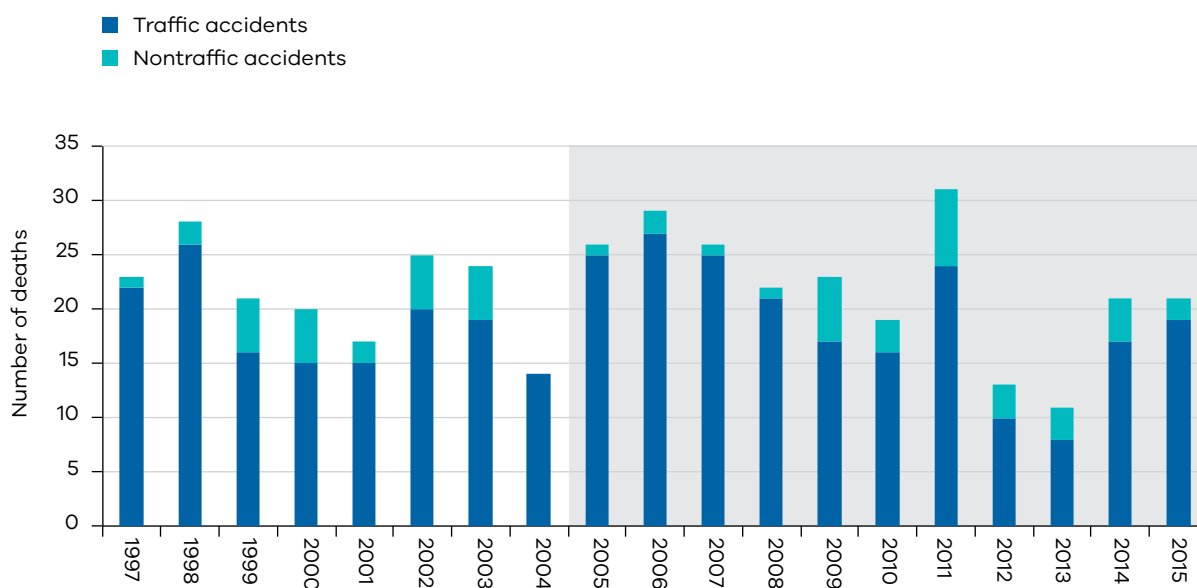


Table 33: Motor vehicle accident fatalities: post-neonatal infants and children (28 days to 14 years), Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Traffic accidents ^a	22	26	16	15	15	20	19	14	11	8	11	10	7	9	13	5	4	13	3
Non-traffic accidents ^a	1	2	5	5	2	5	5	0	1	1	1	0	5	3	6	3	3	3	2
Total	23	28	21	20	17	25	24	14	12	9	12	10	12	12	19	8	7	16	5

a. A traffic accident is defined (ICD-10) as a vehicle on the public highway (originating on, terminating on or involving a vehicle party on the highway), whereas a non-traffic accident is defined as any vehicle accident that occurs entirely in any place other than a public highway (for example, a private property or involving only off-road motor vehicles).

Figure 19b: Motor vehicle accident fatalities: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015



a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children aged 28 days to 17 years.

Table 34: Motor vehicle accident fatalities: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Traffic accidents ^c	22	26	16	15	15	20	19	14	25	27	25	21	17	16	24	10	8	17	19
Non-traffic accidents ^c	1	2	5	5	2	5	5	0	1	2	1	1	6	3	7	3	3	4	2
Total	23	28	21	20	17	25	24	14	26	29	26	22	23	19	31	13	11	21	21

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children and adolescents aged 28 days to 17 years.

c. A traffic accident is defined (ICD-10) as a vehicle on the public highway (originating on, terminating on or involving a vehicle party on the highway), whereas a non-traffic accident is defined as any vehicle accident that occurs entirely in any place other than a public highway (for example, a private property or involving only off-road motor vehicles).

Table 35: Mode of travel in motor vehicle accident fatalities by age group, Victoria 2014

	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	Total
Passenger in motor vehicle	0	3	3	4	3	13
Driver of motor vehicle	0	0	0	0	1	1
Pedestrian	1	2	2	0	0	5
Motorcycle/trailbike rider	0	0	0	1	0	1
Forklift driver	0	0	0	0	1	1
Total	1	5	5	5	5	21

Table 36: Mode of travel in motor vehicle accident fatalities by age group, Victoria 2015

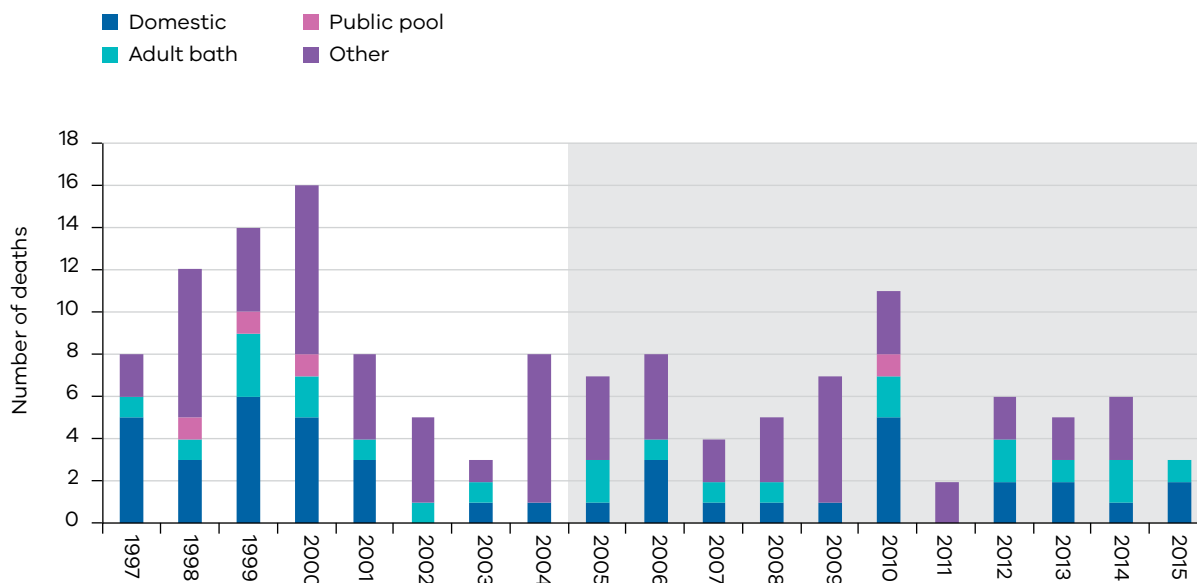
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	Total
Passenger in motor vehicle	0	1	2	1	11	15
Driver of motor vehicle	0	0	0	0	1	1
Pedestrian	0	0	1	0	4	5
Total	0	1	3	1	16	21

Table 37: Location of drowning fatalities by age group, Victoria 2014

	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	Total
Bath tub	1	1	0	0	0	2
Domestic pool	0	1	0	0	0	1
Sea	0	1	0	0	0	1
Drain	0	1	0	0	0	1
Lake	0	0	1	0	0	1
Total	1	4	1	0	0	6

Table 38: Location of drowning fatalities by age group, Victoria 2015

	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	Total
Spa bath	1	0	0	0	0	1
Domestic pool	0	2	0	0	0	2
Total	1	2	0	0	0	3

Figure 20: Drowning fatalities: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children aged 28 days to 17 years.

Table 39: Drowning fatalities: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Domestic pool ^c	5	3	6	5	3	0	1	1	1	3	1	1	1	5	0	2	2	1	2
Adult bath	1	1	3	2	1	1	1	0	2	1	1	1	0	2	0	2	1	2	1
Public pool	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Other ^d	2	7	4	8	4	4	1	7	4	4	2	3	6	3	2	2	2	3	0
Total	8	12	14	16	8	5	3	8	7	8	4	5	7	11	2	6	5	6	3

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children and adolescents ages 28 days to 17 years.

c. 'Domestic pool' includes spa, wading pool.

d. 'Other' includes bucket, river, sea, dam, irrigation channel, reservoir, storm drain, creek, river, lake.

Table 40: Fire fatalities by age group, Victoria 2014

	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	Total
House fire	0	2	0	1	0	3
Total	0	2	0	1	0	3

Table 41: Fire fatalities by age group, Victoria 2015

	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	Total
House fire	0	0	0	0	0	0
Total	0	0	0	0	0	0

Table 42: Deaths from asphyxiation, train and other types of injury, by age group, Victoria 2014

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Asphyxiation						
Suffocation	0	0	1	0	0	1
Smothered (co-sleeping)	1	0	0	0	0	1
Train						
Train deaths	0	0	0	0	1	1
Other injury type						
Boating accident	0	0	0	1	0	1
Head injury – fall	0	0	0	0	1	1
Total	1	0	1	1	2	5

Table 43: Deaths from asphyxiation, train and other types of injury, by age group, Victoria 2015

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Asphyxiation						
Crush injury	0	1	0	0	0	1
Train						
Train deaths	0	0	0	0	0	0
Other injury type						
Heat stroke	0	1	0	0	0	1
Head injuries	0	0	0	0	2	2
Haemorrhage – ingestion of foreign body	0	1	0	0	0	1
Complications following infusion	0	1	0	0	0	1
Total	0	4	0	0	2	6

Deaths from acquired disease and undetermined deaths

Figure 21: Acquired disease and undetermined deaths: post-neonatal infants and children (28 days to 14 years) Victoria 1997–2015

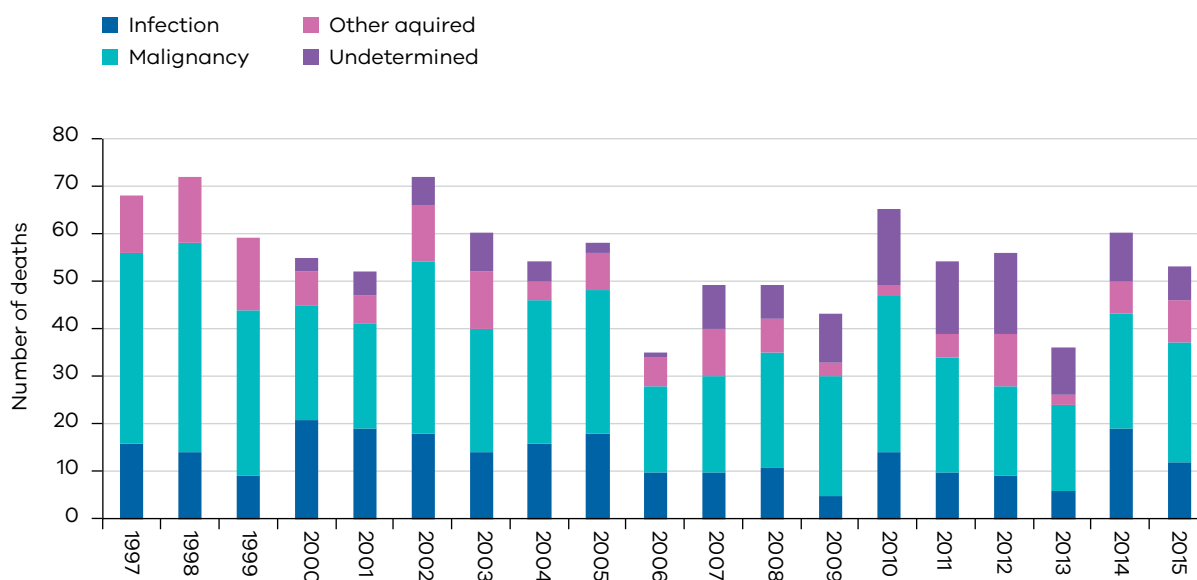


Table 44: Acquired disease and undetermined deaths: post-neonatal infants and children (28 days to 14 years) Victoria 1997–2015

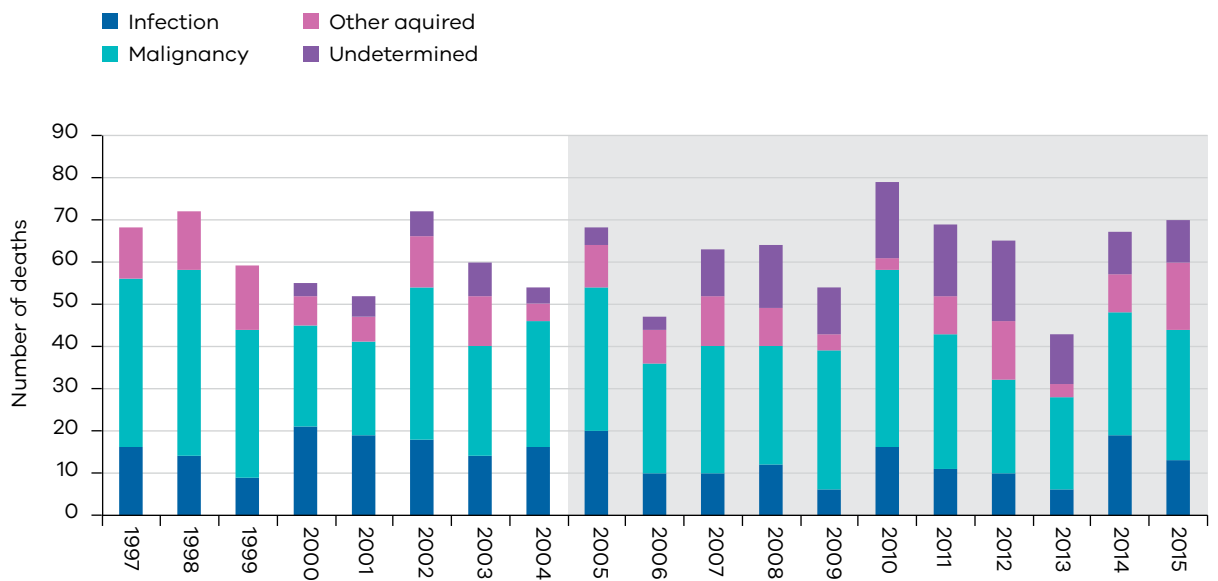
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Infection	16	14	9	21	19	18	14	16	18	10	10	11	5	14	10	9	6	19	12
Malignancy	40	44	35	24	22	36	26	30	30	18	20	24	25	33	24	19	18	24	25
Other acquired ^a	12	14	15	7	6	12	12	4	8	6	10	7	3	2	5	11	2	7	9
Undetermined ^b	N/A	N/A	0	3	5	6	8	4	2	1	9	7	10	16	15	17	10	10	7
Total	68	72	59	55	52	72	60	54	58	35	49	49	43	65	54	56	36	60	53

a. Other acquired category: this category is summarised in Tables 50 and 51.

b. Undetermined category: in reports prior to 2002 (backdated to 1999), where a cause of death was not identified or had been classified as 'unascertained/undetermined' it was included in the 'other acquired' category.

N/A – not applicable

Figure 22: Acquired disease deaths: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015



a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children aged 28 days to 17 years.

Table 45: Acquired disease deaths: post-neonatal infants, children and adolescents^{a,b}, Victoria 1997–2015.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Infection	16	14	9	21	19	18	14	16	20	10	10	12	6	16	11	10	6	19	13
Malignancy	40	44	35	24	22	36	26	30	34	26	30	28	33	42	32	22	22	29	31
Other acquired ^c	12	14	15	7	6	12	12	4	10	8	12	9	4	3	9	14	3	9	16
Undetermined ^d	N/A	N/A	0	3	5	6	8	4	4	3	11	15	11	18	17	19	12	10	10
Total	68	72	59	55	52	72	60	54	68	47	63	64	54	79	69	65	43	67	70

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children and adolescents ages 28 days to 17 years.

c. Other acquired category. This category is summarised in Tables 50 and 51.

d. Undetermined category. In reports prior to 2002 (backdated to 1999), where a cause of death was not identified or had been classified as 'unascertained/undetermined' it was included in 'other acquired'.

N/A – not applicable

Table 46: Deaths from infection by age group, Victoria 2014

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Viral myocarditis	2	2	0	0	0	4
Meningococcal meningitis	1	0	0	0	0	1
Pneumococcal meningitis	1	0	0	0	0	1
Bacterial meningitis (no organism detected)	0	0	1	0	0	1
Enteroviral meningoencephalitis	1	0	0	0	0	1
Enteroviral encephalitis	1	0	0	0	0	1
Septicaemia, unspecified	1	0	0	0	0	1
Septicaemia due to <i>Staphylococcus aureus</i>	1	1	0	0	0	2
Septicaemia due to <i>Streptococcus, Group A</i>	0	1	0	0	0	1
Influenza with other respiratory manifestations	1	0	0	0	0	1
Pneumonia due to <i>Haemophilus influenzae</i>	0	1	0	0	0	1
Bronchopneumonia	1	0	0	0	0	1
Urinary tract infection	1	0	0	0	0	1
Gastroenteritis	1	1	0	0	0	2
Total	12	6	1	0	0	19

Table 47: Deaths from infection by age group, Victoria 2015

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Meningoencephalitis due to <i>Human Herpes Virus 6</i>	1	0	0	0	0	1
Meningoencephalitis due to <i>Parechovirus</i>	1	0	0	0	0	1
Encephalitis due to <i>Herpes Simplex Virus Type 1</i>	1	0	0	0	0	1
Septicaemia due to <i>Escherichia coli</i>	1	1	0	0	0	2
Septicaemia due to <i>Streptococcus, Group A</i>	0	1	0	0	0	1
Pneumonia due to <i>Haemophilus influenzae</i>	0	1	0	0	0	1
Pneumonia due to other streptococci	0	1	0	0	0	1
Pneumonia, organism unspecified	1	0	0	0	0	1
Interstitial pneumonitis	1	0	0	0	0	1
Acute bronchiolitis	1	0	0	0	0	1
Lower respiratory tract infection	0	1	0	0	0	1
Infective endocarditis	0	0	0	0	1	1
Total	7	5	0	0	1	13

Table 48: Deaths from malignancy by age group, Victoria 2014

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Nervous system						
Neoplasm of brain stem	0	3	2	0	1	6
Neoplasm of brain, unspecified	0	0	1	0	0	1
Neoplasm of cerebellum	0	0	1	0	0	1
Neoplasm of frontal lobe	0	0	0	1	0	1
Neoplasm of optic nerve	0	0	1	0	0	1
Neoplasm of peripheral nerves and autonomic nervous system	0	0	0	1	0	1
Neoplasm of the pineal gland	0	1	0	0	1	2
Lymphoma						
Large cell (diffuse) non-Hodgkin's lymphoma	0	0	0	0	1	1
Hodgkin's disease, unspecified	0	0	0	1	0	1
Hepatoblastoma	0	0	1	0	1	2
Leukaemia						
Acute lymphoid leukaemia	0	0	0	2	0	2
Acute myeloid leukaemia	1	0	1	1	0	3
Other						
Neoplasm of anterior mediastinum	1	0	0	0	0	1
Neoplasm of accessory sinus	0	0	1	0	0	1
Neoplasm of adrenal gland	0	1	1	0	0	2
Neoplasm of kidney	0	0	1	0	0	1
Neoplasm of thorax	0	0	0	0	1	1
Unknown primary, secondary neoplasm of liver	0	0	0	1	0	1
Total	2	5	10	7	5	29

Table 49: Deaths from malignancy by age group, Victoria 2015

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Central nervous system						
Neoplasm of brain stem	0	2	1	3	1	7
Neoplasm of brain	0	0	1	0	1	2
Neoplasm of the pituitary fossa	0	0	1	0	0	1
Leukaemia						
Acute lymphoblastic leukaemia	0	0	4	1	2	7
Acute myeloid leukaemia	0	2	0	0	0	2
Prolymphocytic leukaemia	0	0	0	1	0	1
Other						
Neoplasm of anterior mediastinum	1	0	0	0	1	2
Neoplasm of adrenal gland, unspecified	0	0	0	1	0	1
Neoplasm of orbit	0	1	0	0	0	1
Neoplasm of retroperitoneum	0	0	0	1	0	1
Neoplasm of craniofacial bones	0	0	0	1	0	1
Neoplasm of heart	0	0	0	1	0	1
Neoplasm of scapula and long bones of upper limb	0	0	0	0	1	1
Neoplasm of long bones of lower limb	0	0	1	1	0	2
Neoplasm of liver and intrahepatic bile ducts	0	1	0	0	0	1
Total	1	6	8	10	6	31

Table 50: Deaths from other acquired disease by age group, Victoria 2014

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Anaphylaxis	0	0	0	0	1	1
Asthma	0	0	1	0	1	2
Epilepsy	0	1	0	0	0	1
Cardiomyopathy	1	1	0	0	0	2
Kawasaki disease	1	0	0	0	0	1
Haemolytic-uraemic syndrome	0	1	0	0	0	1
Portal vein thrombosis	0	0	0	1	0	1
Total	2	3	1	1	2	9

Table 51: Deaths from other acquired disease by age group, Victoria 2015

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Anaphylaxis	0	0	0	1	0	1
Malignant hyperthermia due to anaesthesia	0	0	0	1	0	1
Haemophagocytic syndrome, infection-associated	0	1	0	0	0	1
Juvenile dermatomyositis	0	1	0	0	0	1
Grave's Disease	0	0	0	0	1	1
Diabetes mellitus with ketoacidosis	0	0	0	0	1	1
Primary adrenocortical insufficiency	0	0	0	1	0	1
Hypoxic ischaemic injury from seizure	0	0	0	0	1	1
Primary pulmonary hypertension	0	0	0	0	1	1
Portal vein thrombosis and pulmonary hypertension	0	0	0	1	0	1
Chronic renal failure	0	0	1	0	0	1
Acute appendicitis with generalized peritonitis	0	0	0	0	1	1
Acute peritonitis	0	0	0	0	2	2
Intussusception	0	0	1	0	0	1
Acute and subacute hepatic failure	0	1	0	0	0	1
Total	0	3	2	4	7	16

Table 52: Deaths from unascertained cause by age group, Victoria 2014

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Undetermined (autopsy performed)	5	2	1	1	0	9
Undetermined (no autopsy performed)	1	0	0	0	0	1
Total	6	2	1	1	0	10

Table 53: Deaths from unascertained cause by age group, Victoria 2015

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Undetermined (autopsy performed)	3	1	0	0	2	6
Undetermined (no autopsy performed)	1	2	0	0	1	4
Total	4	3	0	0	3	10

Deaths from intentional trauma and intentional self-harm

Figure 23a: Intentional trauma (inflicted by other) and intentional self-harm deaths: post-neonatal infants and children (28 days to 14 years), Victoria 1997–2015

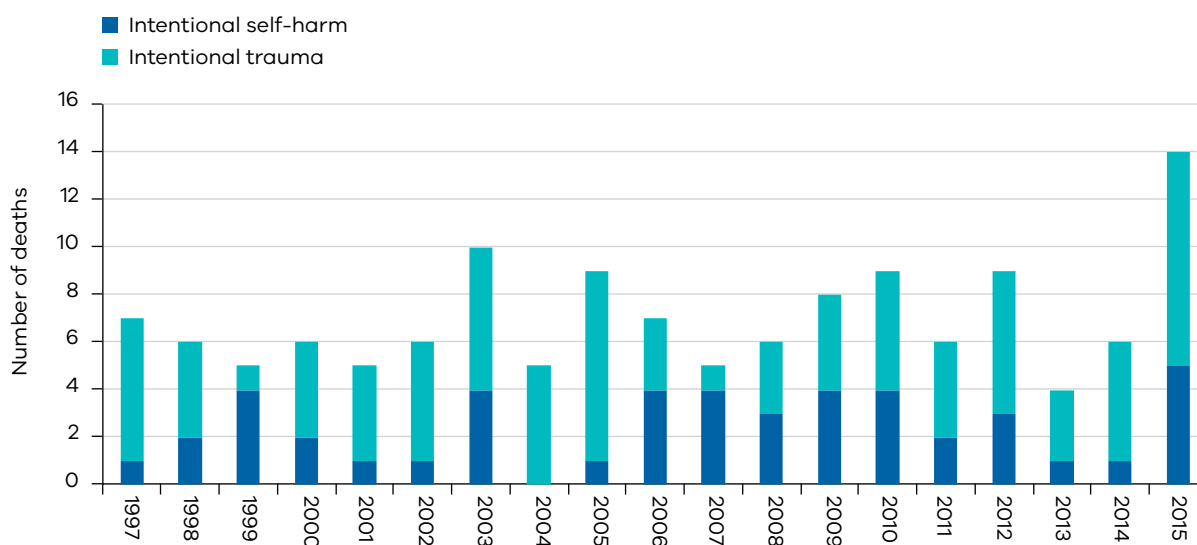
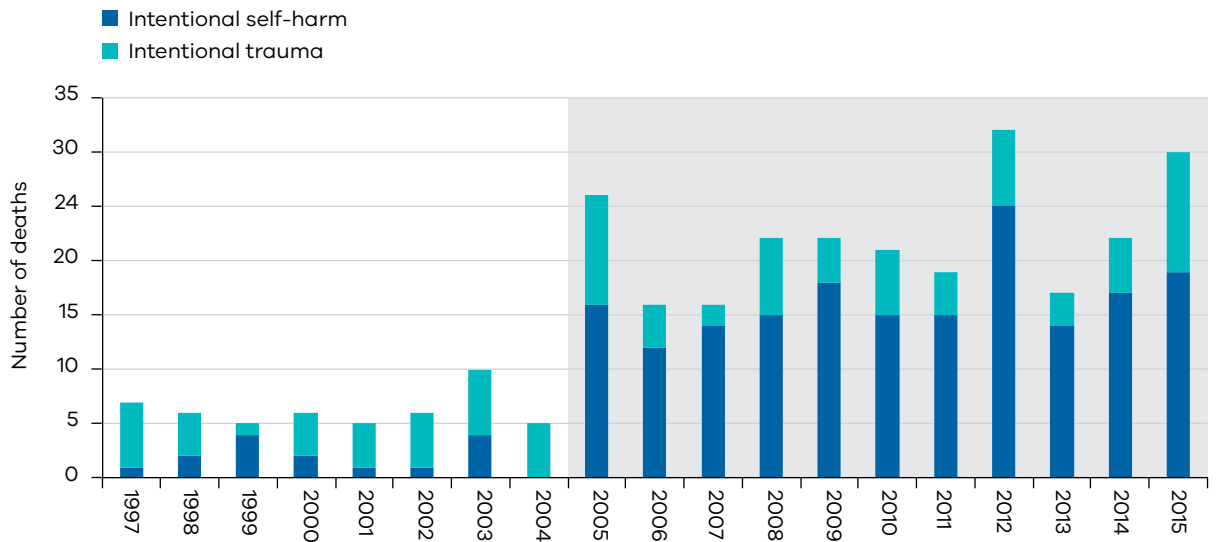


Table 54: Intentional trauma (inflicted by other) and intentional self-harm deaths: post-neonatal infants and children (28 days to 14 years), Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Intentional trauma	6	4	1	4	4	5	6	5	8	3	1	3	4	5	4	6	3	5	9
Intentional self-harm	1	2	4	2	1	1	4	0	1	4	4	3	4	4	2	3	1	1	5
Total	7	6	5	6	5	6	10	5	9	7	5	6	8	9	6	9	4	6	14

Figure 23b: Intentional trauma (inflicted by other) and intentional self-harm deaths: post-neonatal infants, children and adolescents,^{a,b} Victoria 1997–2015



a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children aged 28 days to 17 years.

Table 55: Intentional trauma (inflicted by other) and intentional self-harm deaths: post-neonatal infants, children and adolescents,^{a,b} Victoria 1997–2015

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Intentional trauma	6	4	1	4	4	5	6	5	10	4	2	7	4	6	4	7	3	5	11
Intentional self-harm	1	2	4	2	1	1	4	0	16	12	14	15	18	15	15	25	14	17	19
Total	7	6	5	6	5	6	10	5	26	16	16	22	22	21	19	32	17	22	30

a. 1997–2004 children aged 28 days to 14 years.

b. 2005–2015 children and adolescents aged 28 days to 17 years.

Table 56: Deaths from intentional trauma (inflicted by other) by age group, Victoria 2014

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Skull fracture	0	1	0	1	0	2
Head injury	0	1	0	0	0	1
Suffocation	0	2	0	0	0	2
Total	0	4	0	1	0	5

Table 57: Deaths from intentional trauma (inflicted by other) by age group, Victoria 2015

	Age group					Total
	28–364 days	1–4 years	5–9 years	10–14 years	15–17 years	
Head injury	2	1	0	0	0	3
Multiple trauma	0	0	0	0	1	1
Trauma to lung	0	1	0	0	1	2
Trauma to liver	0	1	0	0	0	1
Asphyxiation	0	0	0	1	0	1
Drowning	0	3	0	0	0	3
Total	2	6	0	1	2	11

Table 58: Deaths from intentional self-harm: age at death by gender, Victoria 2014

Age at death	Females	Males	Total
13 years	0	0	0
14 years	1	0	1
15 years	0	3	3
16 years	3	5	8
17 years	2	3	5
Total	6	11	17
Rate^a 13 to 17 years	3.6	6.3	5.0
Rate^a 15 to 17 years	5.0	10.3	7.7

a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015
Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

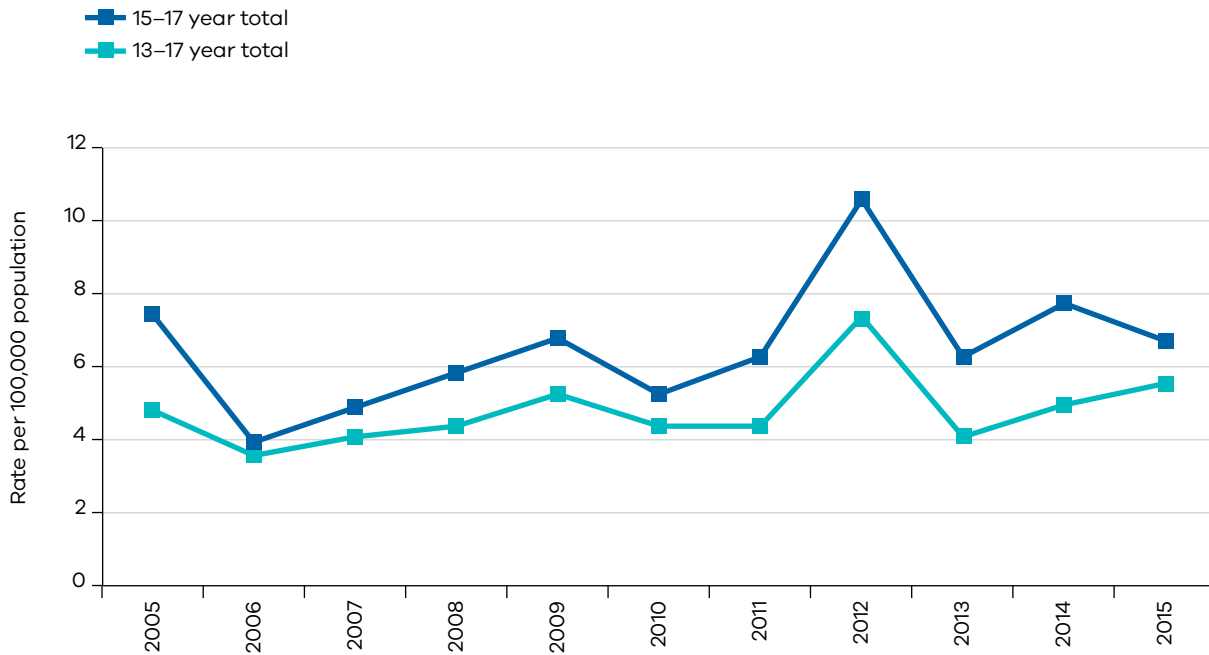
Rates expressed per 100,000 population aged 13–17 years or 15–17 years.

Table 59: Deaths from intentional self-harm: age at death by gender, Victoria 2015

Age at death	Females	Males	Total
13 years	1	1	2
14 years	1	2	3
15 years	2	2	4
16 years	2	4	6
17 years	0	4	4
Total	6	13	19
Rate^a 13 to 17 years	3.6	7.4	5.5
Rate^a 15 to 17 years	3.9	9.4	6.7

a. Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015
Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

Rates expressed per 100,000 population aged 13–17 years or 15–17 years.

Figure 24: Trends in intentional self-harm rates in adolescents, Victoria 2005–2015**Notes:**

- Note that in 2011, one 12 year old is included in the rate of intentional self-harm for the 13–17 year age group. Excluding this case decreases the intentional self-harm rate in the 13–17 year age group from 4.4 to 4.1 /100,000.
- Slight differences across the rates are noted from previously published annual reports as population denominators used to generate this data have been updated.
- Denominators were obtained from Australian Bureau of Statistics 2016, Australian Demographic Statistics, September 2015. Table 52: Estimated Resident Population by Single Year of Age, Victoria, cat. no. 3101.0, Commonwealth Government of Australia, Canberra. Issue 24 March 2016.

