

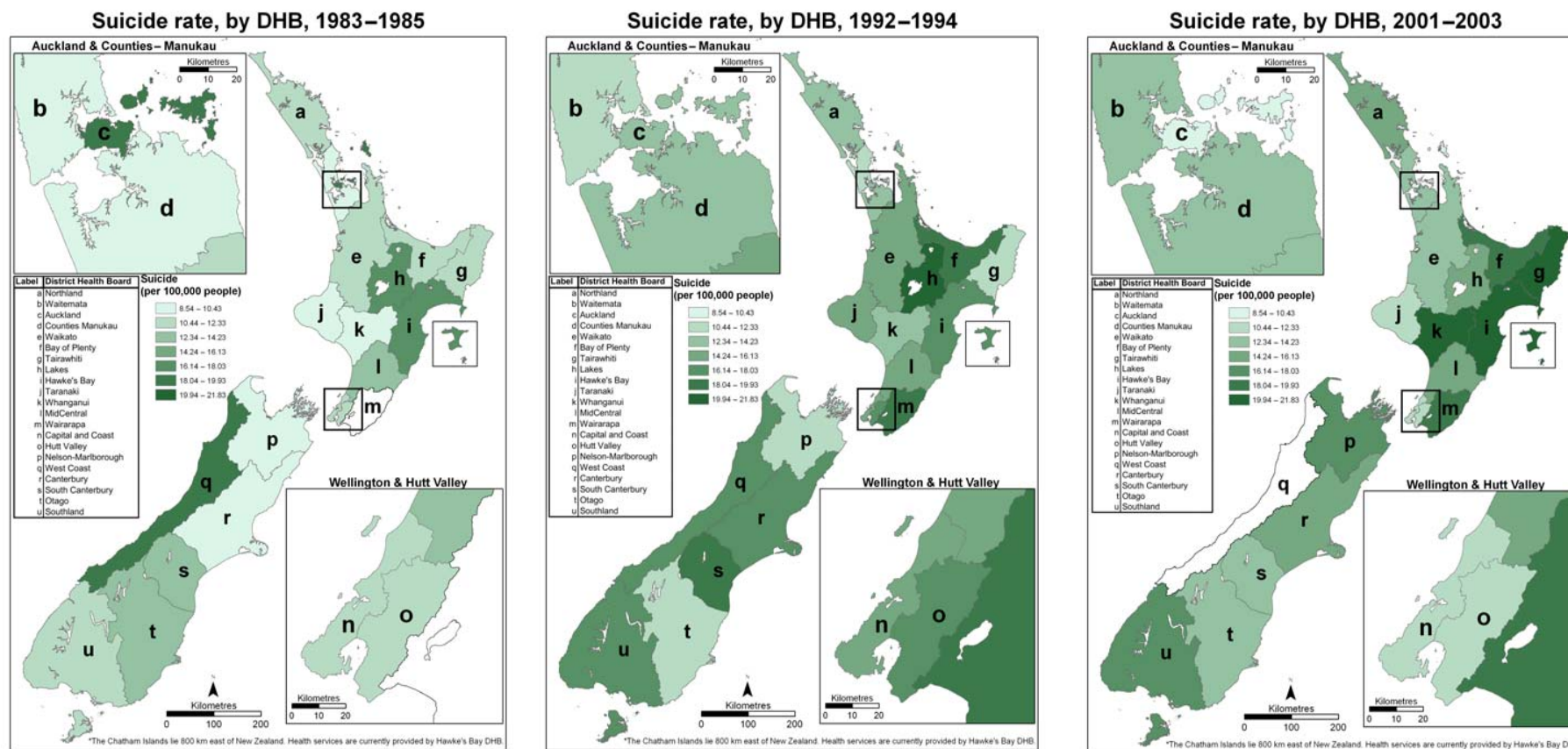
Trends by District Health Board

Deaths

Figure 40 displays age-standardised suicide rates for each District Health Board (DHB) in 1983–1985, 1992–1994 and 2001–2003. Suicide rates have been divided into seven equal interval categories, which are consistent over time. Increasing suicide rates can be seen by the increasing prevalence of dark shades over time and decreasing prevalence of light shades over time.

Table 4 presents the three-year moving average age-standardised suicide rates for each midpoint year of the period 1983–2003 for each DHB.

Figure 40: Maps of age-standardised suicide rates, by District Health Board (DHB), three-year moving averages, 1983–1985, 1992–1994 and 2001–2003



Source: New Zealand Health Information Service

Table 4: Age-standardised suicide rates, by District Health Board (DHB), three-year moving averages, 1983–2003

DHB	Midpoint year of moving average																		
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Auckland	18.2	17.7	16.8	16.8	18.0	18.2	17.3	15.0	13.6	13.1	13.9	12.9	13.4	14.0	15.6	14.8	12.4	9.9	9.6
Bay of Plenty	11.2	10.8	10.5	12.1	12.9	12.9	14.1	16.5	16.1	18.5	17.2	18.3	19.8	20.5	22.0	17.9	17.3	15.9	18.4
Canterbury	9.8	12.4	13.7	16.9	16.6	18.3	17.7	17.8	16.8	17.2	17.8	18.6	19.7	19.2	17.2	14.2	14.0	14.6	14.7
Capital and Coast	10.8	11.6	11.5	12.5	15.0	14.8	15.7	15.2	15.8	15.9	16.7	18.3	17.7	15.3	11.8	10.9	11.3	12.5	12.2
Counties Manukau	8.5	9.4	12.0	13.9	15.7	15.7	17.1	16.3	15.0	13.7	14.3	15.7	14.7	14.1	13.5	13.4	13.6	13.4	14.2
Hawke's Bay	16.7	16.4	17.9	18.4	19.5	17.6	13.2	14.5	15.6	17.9	16.4	16.9	15.9	16.9	16.5	19.3	21.0	23.1	21.8
Hutt Valley	11.8	10.6	9.7	9.9	10.7	11.5	13.4	14.2	15.4	16.8	18.0	19.0	18.2	16.9	16.0	15.5	13.7	11.3	12.2
Lakes	17.1	15.9	13.0	14.4	14.2	13.7	12.5	15.9	16.2	20.8	19.7	19.8	18.2	19.8	21.5	20.3	18.1	16.3	15.4
MidCentral	13.3	11.3	13.5	14.0	15.6	14.1	14.7	14.0	14.2	14.5	12.8	15.5	15.6	18.8	17.9	15.8	14.3	13.1	15.9
Nelson-Marlborough	9.1	8.0	7.6	9.2	10.6	11.6	12.5	14.6	12.3	11.3	12.0	13.0	14.4	14.5	16.7	20.1	21.8	21.1	16.7
Northland	12.0	12.5	13.0	16.3	17.2	16.5	13.9	13.0	12.6	13.9	13.3	17.5	16.4	20.8	20.9	20.0	16.6	13.3	15.8
Otago	13.1	14.9	14.8	17.0	15.1	13.0	11.6	10.8	12.5	12.2	13.2	13.3	13.9	14.1	13.6	14.6	14.2	13.5	14.1
South Canterbury	12.7	13.2	14.2	15.2	14.3	9.3	11.5	12.1	20.3	18.4	22.6	16.0	19.0	17.8	20.7	17.8	16.7	13.9	12.7
Southland	12.1	13.6	14.0	15.3	15.5	14.8	12.4	10.7	11.4	16.2	20.3	19.7	16.7	17.6	21.6	19.3	15.0	13.5	16.7
Tairāwhiti	10.7	12.9	–	14.0	13.5	13.7	–	11.4	–	11.4	15.4	18.7	20.3	23.3	21.3	17.9	–	–	20.1
Taranaki	9.7	11.9	14.1	15.3	12.9	10.8	8.4	12.9	13.3	15.3	13.1	13.9	13.4	14.5	15.3	16.0	14.3	11.4	10.7
Waikato	11.7	12.2	13.4	13.9	13.1	12.0	13.0	14.2	14.9	14.3	13.6	13.2	14.2	15.0	15.4	14.8	14.3	14.4	13.3
Wairarapa	–	–	–	–	–	–	16.0	21.0	26.5	19.7	13.8	–	–	12.7	–	–	–	–	18.6
Waitemata	10.2	11.2	13.9	15.1	15.3	15.0	15.1	15.1	13.3	12.0	13.6	14.9	16.7	15.3	14.6	13.2	13.1	13.7	13.8
West Coast	18.7	21.4	17.8	21.4	20.5	22.3	20.0	18.1	17.3	16.7	14.6	24.7	29.0	36.5	28.9	28.0	20.9	17.4	–
Whanganui	9.1	–	7.4	7.7	10.7	12.6	13.6	15.9	12.8	13.1	11.1	16.2	20.3	22.4	22.1	17.2	16.0	17.8	20.6
New Zealand	11.9	12.4	13.1	14.6	15.0	14.8	14.6	14.6	14.3	14.4	14.8	15.6	16.0	16.2	15.9	14.8	14.0	13.3	13.5

Source: New Zealand Health Information Service

Note: A – (dash) indicates that the rate was not included because the count was less than 5.

Hospitalisations

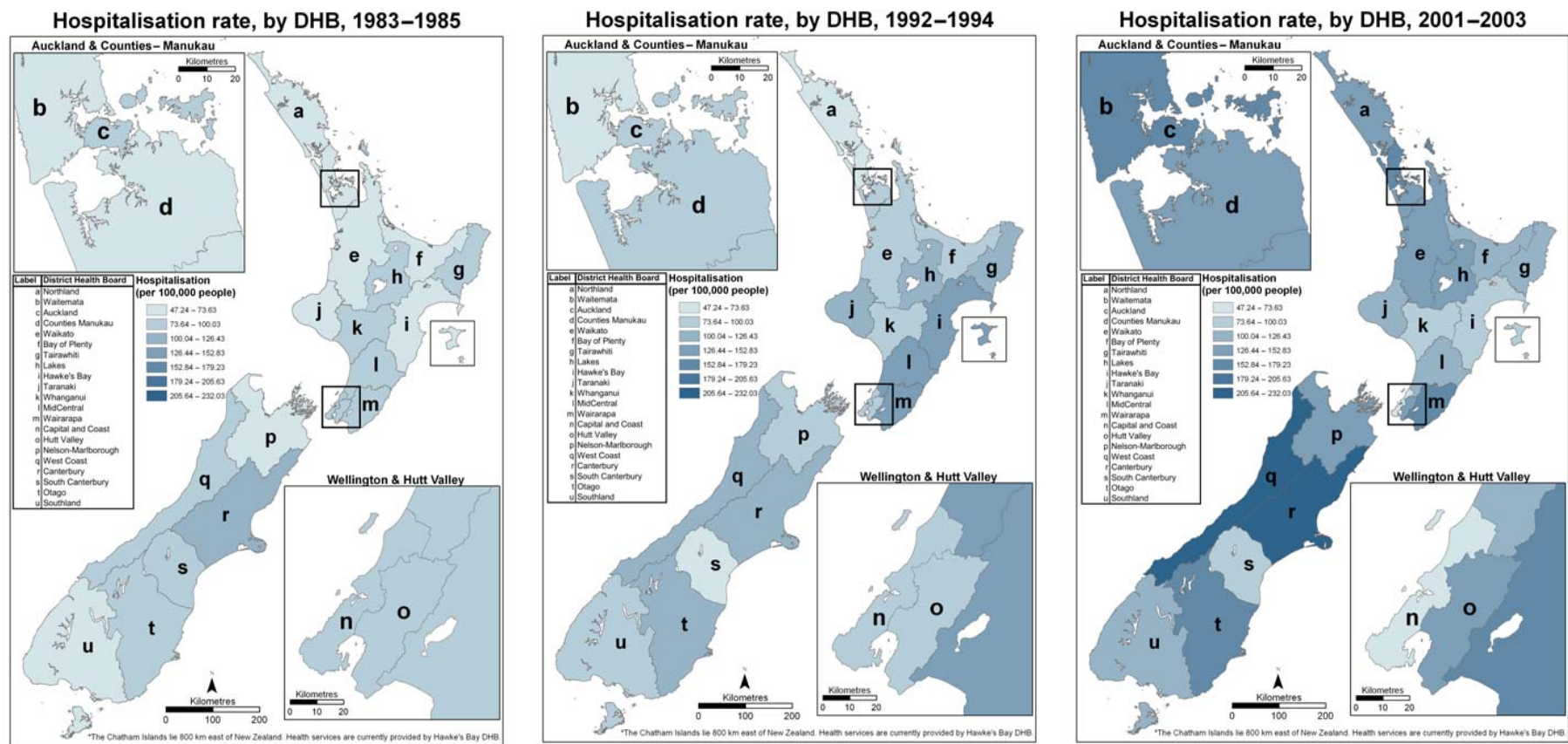
Figure 41 presents age-standardised hospitalisation rates for intentional self-harm for each DHB in 1983–1985, 1992–1994 and 2001–2003. Hospitalisation rates have been divided into seven equal interval categories, which are consistent over time. Increasing hospitalisation rates can be seen by the increasing prevalence of darker shades over time and decreasing prevalence by lighter shades over time.

Table 5 presents the three-year moving average age-standardised hospitalisation for intentional self-harm rates for each midpoint year of the period 1983–2003 for each DHB.

It should be noted that some of the regional differences in hospitalisation for intentional self-harm rates between DHBs may be because of different practices in reporting and patient management.

Comparison of Figures 40 and 41 indicates that there may be a relationship between high suicide rates and low hospitalisation rates and vice versa. Where suicide rates have clearly declined over time, hospitalisation rates have increased. Figure 41 also graphically highlights the increasing rates of hospitalisation for intentional self-harm over time that have been described in more detail earlier in this publication.

Figure 41: Maps of age-standardised intentional self-harm hospitalisation rates, by District Health Board (DHB), three-year moving averages, 1983–1985, 1992–1994, 2001–2003



Source: New Zealand Health Information Service

Table 5: Age-standardised intentional self-harm hospitalisation rates, by District Health Board (DHB), three-year moving averages, 1983–2003

DHB	Midpoint year of moving average																		
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Auckland	95.8	93.6	99.0	98.4	99.7	98.1	98.5	93.0	90.5	86.4	83.6	82.2	84.0	88.3	86.0	96.5	118.1	143.6	154.3
Bay of Plenty	70.1	65.9	72.0	73.5	74.6	72.5	74.1	74.7	90.4	99.8	110.2	101.8	108.1	110.1	115.3	131.6	140.9	135.0	119.0
Canterbury	116.1	122.2	119.3	117.6	107.2	104.4	99.6	101.2	107.5	117.0	130.4	132.4	137.2	149.0	161.0	170.6	184.2	200.4	221.5
Capital and Coast	92.0	88.9	91.5	95.3	88.0	90.8	85.3	90.0	88.8	89.9	90.9	97.4	104.4	105.7	95.5	86.8	80.2	76.4	71.6
Counties Manukau	58.3	57.2	58.8	64.8	70.2	71.8	67.2	62.2	69.6	86.5	95.0	95.6	88.3	90.6	98.2	111.6	127.0	141.7	148.6
Hawke's Bay	69.7	75.1	86.5	95.9	96.4	96.0	88.2	104.5	114.5	131.1	129.5	125.3	113.8	90.6	76.4	68.6	79.2	83.5	92.2
Hutt Valley	86.6	84.6	82.4	91.7	90.4	93.8	77.9	85.7	94.3	98.5	102.0	82.8	82.4	89.0	116.5	126.2	122.8	129.7	145.8
Lakes	85.9	86.6	92.2	104.6	108.2	105.9	98.6	97.4	114.7	124.5	138.3	121.8	109.8	104.3	104.2	107.8	112.8	129.9	141.0
MidCentral	94.9	83.5	90.3	105.5	118.0	128.1	119.3	123.7	118.5	131.5	133.4	127.9	132.0	138.7	147.4	131.5	121.3	116.0	116.3
Nelson-Marlborough	54.0	53.9	59.7	69.8	68.0	73.2	70.1	70.3	68.1	73.9	81.0	91.0	98.5	97.1	101.9	101.7	110.0	115.7	143.2
Northland	58.3	61.7	53.6	50.6	46.8	53.3	58.9	69.3	72.0	65.6	62.7	68.4	90.1	106.5	114.1	118.1	125.6	135.8	148.5
Otago	96.5	82.8	76.4	80.4	77.6	83.8	83.7	89.2	92.2	103.9	119.7	139.1	146.8	146.2	135.6	149.4	161.3	169.5	163.2
South Canterbury	81.8	81.8	83.4	89.6	89.1	90.7	90.6	83.4	77.2	68.9	97.3	130.6	139.2	149.0	128.9	132.1	94.9	92.2	84.4
Southland	68.9	63.8	63.6	65.2	67.4	71.5	75.9	77.9	87.4	85.0	94.3	85.3	88.3	79.7	83.4	87.4	95.3	96.5	100.4
Tairāwhiti	86.5	82.8	84.5	88.0	105.1	111.3	112.7	105.7	109.2	100.3	115.3	125.9	152.6	154.4	132.5	109.8	93.8	109.2	107.4
Taranaki	47.2	60.9	76.7	85.3	90.9	92.7	97.6	112.7	115.5	108.1	104.5	108.7	117.0	113.2	103.5	108.7	109.3	118.0	123.1
Waikato	73.1	70.8	71.1	80.7	80.8	77.0	67.8	69.4	79.8	99.4	107.7	104.8	97.2	98.2	97.2	97.7	107.2	126.9	142.1
Wairarapa	79.5	66.4	74.4	97.7	109.3	104.8	112.7	125.2	134.5	140.9	157.5	169.2	161.8	146.2	124.4	127.6	136.3	163.3	175.2
Waitemata	57.1	53.9	59.8	60.5	71.6	69.5	74.6	69.3	66.9	62.7	60.3	64.0	64.7	62.3	64.1	84.5	121.0	154.3	170.0
West Coast	77.3	70.5	85.4	96.2	103.4	97.7	76.3	80.8	86.7	123.3	137.4	162.3	149.1	142.7	112.2	105.7	130.6	183.2	232.0
Whanganui	92.9	88.3	99.7	86.2	82.8	79.4	80.2	91.0	88.2	99.5	116.2	119.1	119.6	107.6	117.1	107.0	99.7	96.1	97.7
New Zealand	80.5	78.8	81.5	85.7	86.5	87.0	84.2	86.0	89.9	96.1	102.2	104.0	105.8	107.1	107.6	113.5	124.6	138.2	147.2

Source: New Zealand Health Information Service

Note: A – (dash) indicates that the rate was not included because the count was less than 5.

Summary of trends by District Health Board

- Many DHBs displayed individual trends in their suicide and hospitalisation rates.
- Some of the regional differences in hospitalisation for intentional self-harm rates between DHBs may be because of different practices in reporting, coding and patient management. This includes the use of different definitions for a hospital admission at different DHBs.
- Comparison of Figures 40 and 41 indicates that there may be a relationship between high suicide rates and low hospitalisation rates and vice versa. Where suicide rates have clearly declined over time, hospitalisation rates have increased.
- Figure 41 also graphically highlights the increasing rates of hospitalisation for intentional self-harm over time that have been described in more detail earlier in this publication.