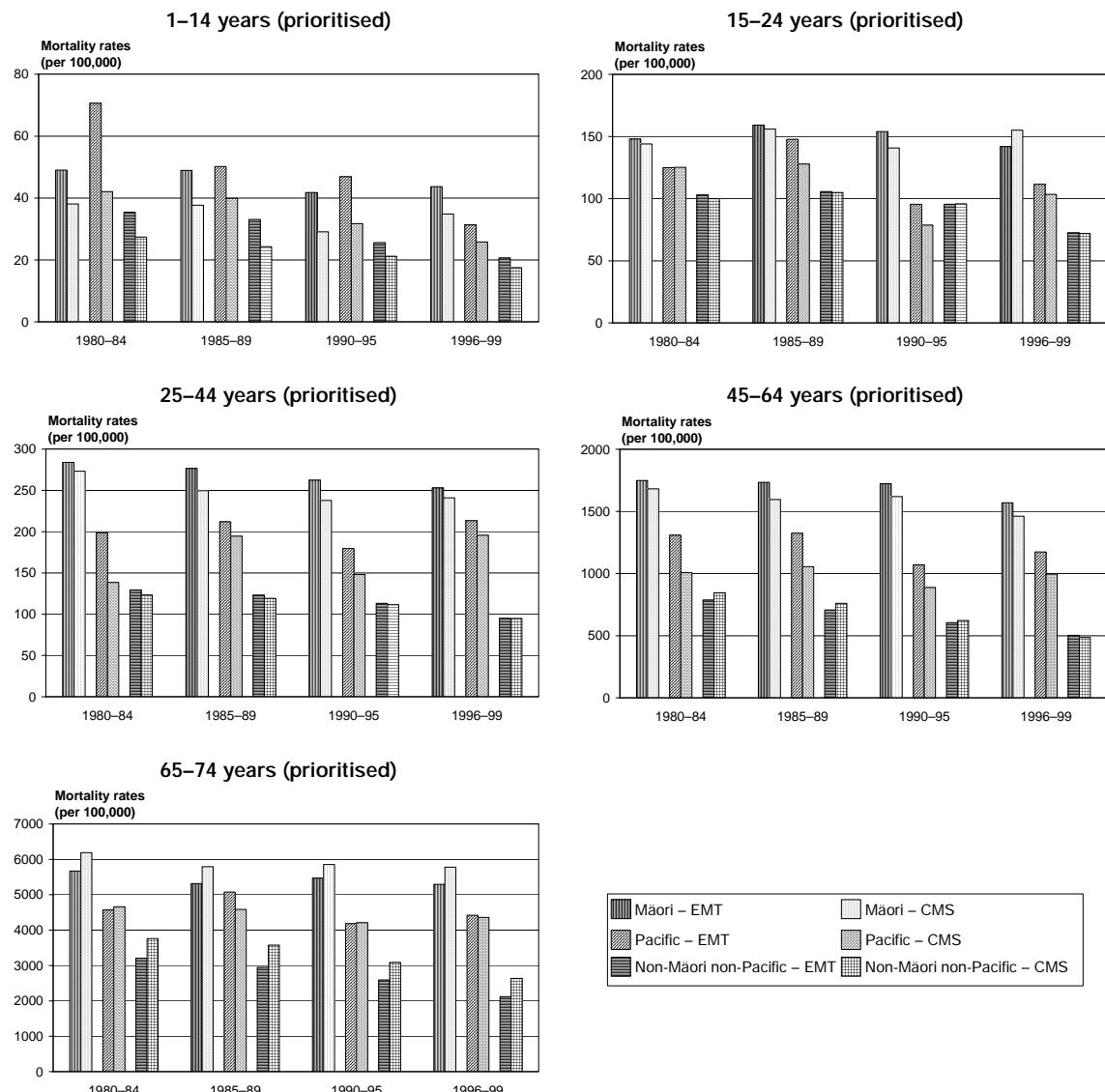


## Appendix 2: NZCMS Validation Study

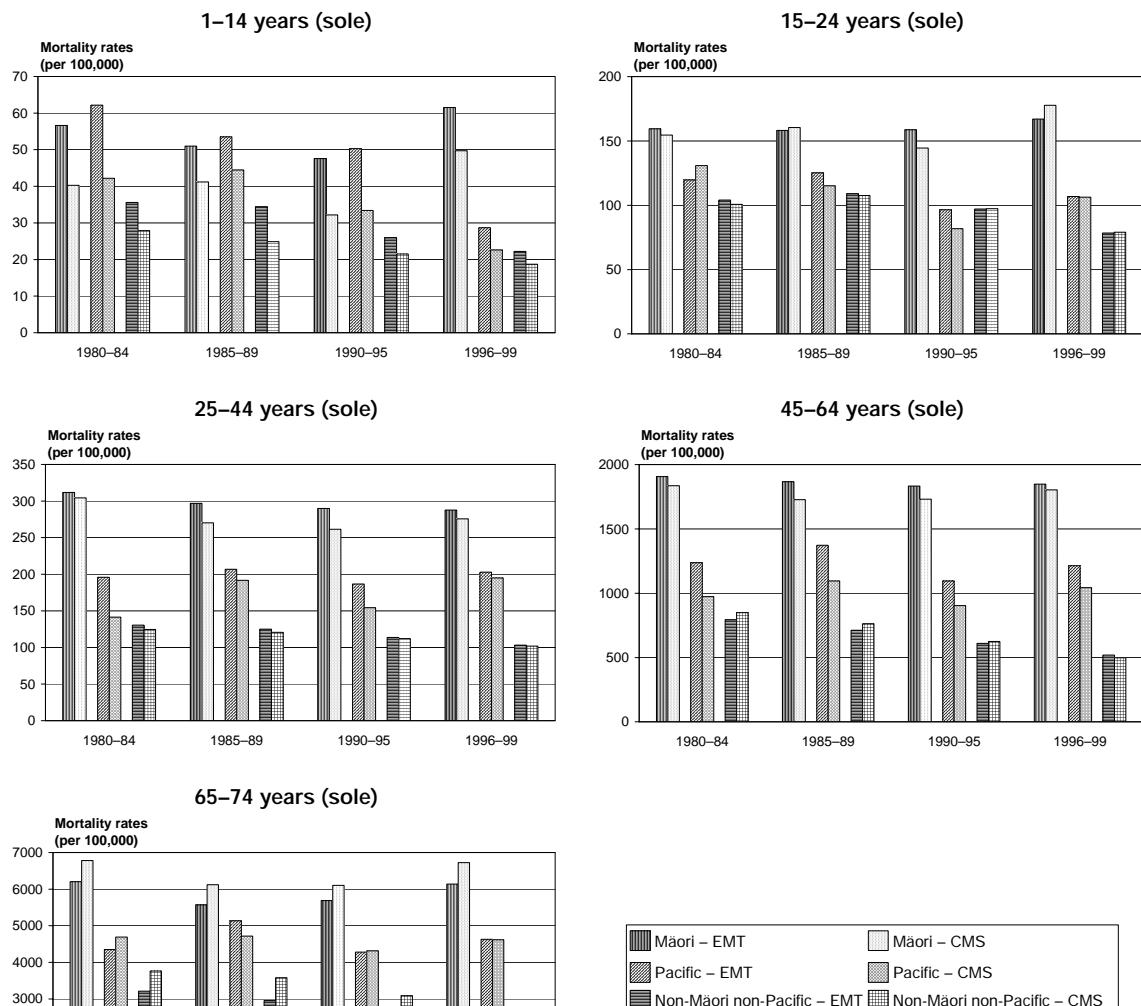
Results of directly calculating ethnic-specific mortality rates from the linked records of the NZCMS dataset are compared with those obtained by applying NZCMS-derived adjusters to routine Ministry of Health datasets (Figures 22 and 23) as a validation test.

**Figure 22:** Comparison of mortality rates, by age, EMT v. NZCMS, prioritised series



Corresponding table is Table 49.

**Figure 23:** Comparison of mortality rates, by age, EMT v. NZCMS, sole series



Corresponding table is Table 50.

While the patterns are similar for both methods, for both sole and prioritised series the NZCMS rates are consistently lower than the rates shown in this study for all age groups except 65–74 years, where the pattern is reversed.

The reason for the lower mortality rate is lower mortality numbers. This difference is about 600 for each cohort. There are two possible reasons for this finding. First, NZCMS excluded anyone who had the domicile code = 999 or missing to improve the linkage. Second, during the linkage records anyone who was not a New Zealand resident or whose status was not mentioned in either the census or mortality record ( $n = 300$  approximately) was excluded.

Given these differences, the pattern of NZCMS rates agrees reasonably closely with that calculated using adjusters and routine mortality data, as presented in this report.

## Appendix 3: Tables of Standardised Mortality Rates and Ratios

Note: In all tables, the numbers in parentheses are 95% confidence intervals.

**Table 3:** Overall standardised mortality rate, all ages (prioritised ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	851.5	1154.9 (1131–1179)	730.3	1063.8 (1043–1084)	769.4	1095.5 (1077–1114)	997.6	1061.8 (1043–1080)
Pacific	546.4	896.3 (843–950)	506.2	928.8 (888–969)	498.4	849.0 (820–878)	919.6	887.8 (859–917)
Non-Māori non-Pacific	734.5	710.5 (707–714)	698.9	666.9 (664–670)	615.1	584.2 (582–587)	513.9	508.3 (506–511)

**Table 4:** Male standardised mortality rate, all ages (prioritised ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1002.9	1361.0 (1323–1399)	865.9	1264.7 (1232–1298)	907.8	1295.5 (1266–1326)	1181.2	1257.9 (1227–1289)
Pacific	769.3	1263.9 (1143–1384)	625.0	1155.1 (1083–1227)	657.4	1121.5 (1065–1178)	1185.7	1144.2 (1092–1196)
Non-Māori non-Pacific	949.0	918.5 (912–925)	890.2	849.8 (844–855)	783.7	744.6 (740–749)	648.0	640.8 (636–646)

**Table 5:** Female standardised mortality rate, all ages (prioritised ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	712.3	965.2 (935–995)	610.8	885.5 (860–911)	653.9	927.2 (905–950)	840.1	893.7 (871–917)
Pacific	410.4	672.2 (613–731)	407.0	737.8 (690–786)	387.0	657.7 (624–691)	720.7	695.5 (662–729)
Non-Māori non-Pacific	571.4	553.1 (549–557)	548.6	524.5 (521–528)	484.5	460.9 (458–464)	411.1	406.9 (404–410)

**Table 6:** Overall standardised mortality rate, all ages (sole ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1118.7	1266.8 (1238–1295)	903.5	1127.6 (1104–1151)	911.2	1161.9 (1142–1182)	1458.5	1258.9 (1233–1285)
Pacific	557.8	846.2 (794–898)	579.7	944.4 (901–988)	536.6	877.3 (846–908)	1037.5	926.4 (893–959)
Non-Māori non-Pacific	724.4	713.9 (711–717)	688.4	671.3 (668–675)	607.1	587.0 (584–590)	508.6	522.0 (519–525)

**Table 7:** Male standardised mortality rate, all ages (sole ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1294.7	1467.3 (1423–1511)	1067.8	1334.9 (1297–1373)	1071.6	1367.7 (1334–1401)	1731.5	1492.8 (1449–1537)
Pacific	781.6	1188.1 (1071–1305)	708.2	1162.5 (1085–1240)	713.8	1168.7 (1106–1231)	1339.4	1196.3 (1136–1257)
Non-Māori non-Pacific	936.2	922.8 (917–929)	877.3	855.4 (850–861)	773.9	748.4 (744–753)	641.2	657.9 (653–663)

**Table 8:** Female standardised mortality rate, all ages (sole ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	945.0	1068.8 (1032–1105)	757.4	941.9 (913–971)	776.3	987.6 (962–1013)	1230.6	1064.1 (1032–1096)
Pacific	426.1	645.2 (586–704)	470.9	757.3 (705–809)	416.4	679.0 (644–714)	810.9	723.6 (686–762)
Non-Māori non-Pacific	563.7	555.8 (552–560)	540.5	527.8 (524–531)	478.2	462.9 (460–466)	407.0	417.5 (414–421)

**Table 9:** Overall standardised rate ratios, all ages (prioritised ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1.16	1.63 (1.59–1.66)	1.04	1.60 (1.56–1.63)	1.25	1.88 (1.84–1.91)	1.94	2.09 (2.05–2.13)
Pacific	0.74	1.26 (1.19–1.34)	0.72	1.39 (1.33–1.46)	0.81	1.45 (1.40–1.50)	1.79	1.75 (1.69–1.81)
Non-Māori non-Pacific	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)

**Table 10:** Male standardised rate ratios, all ages (prioritised ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1.06	1.48 (1.44–1.52)	0.97	1.49 (1.45–1.53)	1.16	1.74 (1.70–1.78)	1.82	1.96 (1.91–2.01)
Pacific	0.81	1.38 (1.25–1.51)	0.70	1.36 (1.28–1.45)	0.84	1.51 (1.43–1.59)	1.83	1.79 (1.70–1.87)
Non-Māori non-Pacific	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)

**Table 11:** Female standardised rate ratios, all ages (prioritised ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1.25	1.74 (1.69–1.80)	1.11	1.69 (1.64–1.74)	1.35	2.01 (1.96–2.06)	2.04	2.20 (2.14–2.26)
Pacific	0.72	1.22 (1.11–1.33)	0.74	1.41 (1.32–1.50)	0.80	1.43 (1.36–1.50)	1.75	1.71 (1.63–1.80)
Non-Māori non-Pacific	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)

**Table 12:** Overall standardised rate ratios, all ages (sole ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1.54	1.77 (1.73–1.82)	1.31	1.68 (1.64–1.72)	1.50	1.98 (1.94–2.02)	2.87	2.41 (2.36–2.46)
Pacific	0.77	1.19 (1.11–1.26)	0.84	1.41 (1.34–1.47)	0.88	1.49 (1.44–1.55)	2.04	1.77 (1.71–1.84)
Non-Māori non-Pacific	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)

**Table 13:** Male standardised rate ratios, all ages (sole ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1.38	1.59 (1.54–1.64)	1.22	1.56 (1.52–1.61)	1.38	1.83 (1.78–1.87)	2.70	2.27 (2.20–2.34)
Pacific	0.83	1.29 (1.17–1.42)	0.81	1.36 (1.27–1.45)	0.92	1.56 (1.48–1.65)	2.09	1.82 (1.73–1.91)
Non-Māori non-Pacific	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)

**Table 14:** Female standardised rate ratios, all ages (sole ethnic group)

Ethnic group	1980–84		1985–89		1990–95		1996–99	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
Māori	1.68	1.92 (1.86–1.99)	1.40	1.78 (1.73–1.84)	1.62	2.13 (2.08–2.19)	3.02	2.55 (2.47–2.63)
Pacific	0.76	1.16 (1.06–1.27)	0.87	1.43 (1.34–1.54)	0.87	1.47 (1.39–1.54)	1.99	1.73 (1.64–1.83)
Non-Māori non-Pacific	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)	1.00	1.00 (0.99–1.01)

**Table 15:** Overall age-specific mortality rate, by age group (prioritised series)

Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
1–14 years	Māori	49.0 (44.8–53.2)	48.9 (44.7–53.1)	41.8 (38.2–45.3)	43.7 (39.7–47.8)
	Pacific	70.6 (60.2–81.0)	50.2 (42.0–58.3)	46.9 (40.5–53.3)	31.3 (25.2–37.4)
	Non-Māori non-Pacific	35.4 (33.6–37.2)	33.1 (31.3–34.9)	25.6 (24.1–27.1)	20.6 (19.0–22.2)
15–24 years	Māori	148.0 (138–157)	159.2 (150–169)	154.0 (145–163)	141.9 (132–152)
	Pacific	124.9 (105–144)	147.7 (130–166)	95.5 (83.9–107)	111.7 (96.4–127)
	Non-Māori non-Pacific	103.0 (99.5–106)	105.7 (102–109)	95.5 (92.4–98.7)	72.4 (68.9–75.9)
25–44 years	Māori	283.9 (270–298)	276.6 (264–290)	262.3 (252–273)	252.9 (242–264)
	Pacific	198.6 (177–220)	212.1 (193–231)	179.6 (166–193)	213.3 (196–230)
	Non-Māori non-Pacific	129.0 (126–132)	122.9 (120–126)	113.3 (111–116)	94.9 (92.3–97.6)
45–64 years	Māori	1749.7 (1697–1803)	1734.0 (1685–1783)	1723.0 (1682–1764)	1569.2 (1527–1612)
	Pacific	1309.5 (1204–1415)	1324.5 (1241–1408)	1071.0 (1015–1127)	1173.2 (1109–1237)
	Non-Māori non-Pacific	787.3 (779–796)	707.1 (699–715)	605.5 (599–612)	502.3 (495–510)
65–74 years	Māori	5671.7 (5452–5891)	5317.9 (5111–5525)	5469.3 (5291–5647)	5295.8 (5118–5473)
	Pacific	4567.4 (4078–5057)	5074.6 (4653–5496)	4184.9 (3922–4448)	4421.2 (4148–4695)
	Non-Māori non-Pacific	3205.0 (3175–3235)	2948.7 (2921–2977)	2592.3 (2569–2615)	2122.2 (2098–2147)

**Table 16:** Age-specific male mortality rate, by age group (prioritised series)

Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
1–14 years	Māori	55.4 (49.1–61.6)	61.8 (55.1–68.5)	50.5 (45.1–55.9)	50.6 (44.5–56.6)
	Pacific	66.7 (52.7–80.7)	55.2 (43.3–67.1)	56.7 (46.9–66.5)	32.8 (24.2–41.5)
	Non-Māori non-Pacific	41.9 (39.1–44.7)	37.7 (35.0–40.4)	29.7 (27.5–31.9)	22.8 (20.4–25.1)
15–24 years	Māori	202.3 (187–218)	226.9 (211–243)	237.5 (222–253)	199.9 (183–217)
	Pacific	169.0 (137–201)	208.8 (178–239)	134.6 (115–155)	165.9 (139–192)
	Non-Māori non-Pacific	145.2 (140–151)	156.1 (150–162)	139.0 (134–144)	101.9 (96.1–108)
25–44 years	Māori	339.7 (318–361)	355.9 (335–377)	327.6 (311–344)	337.1 (319–355)
	Pacific	253.7 (220–288)	270.6 (241–301)	235.8 (213–258)	245.6 (219–272)
	Non-Māori non-Pacific	162.7 (158–168)	157.7 (153–162)	149.3 (145–153)	127.3 (123–132)
45–64 years	Māori	2070.1 (1988–2152)	2011.8 (1936–2087)	1960.3 (1897–2023)	1874.8 (1809–1941)
	Pacific	1630.5 (1462–1799)	1644.0 (1512–1776)	1318.3 (1229–1408)	1464.2 (1362–1566)
	Non-Māori non-Pacific	1011.7 (998–1026)	890.6 (878–903)	736.9 (726–748)	607.2 (596–619)
65–74 years	Māori	6552.8 (6216–6890)	6282.3 (5951–6614)	6542.7 (6255–6830)	6146.3 (5865–6428)
	Pacific	6291.3 (5431–7152)	6788.4 (6066–7510)	5595.3 (5135–6056)	5994.1 (5510–6478)
	Non-Māori non-Pacific	4265.7 (4214–4317)	3939.8 (3892–3988)	3447.8 (3408–3487)	2756.8 (2716–2798)

**Table 17:** Age-specific female mortality rate, by age group (prioritised series)

Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
1–14 years	Māori	42.5 (36.9–48.0)	35.5 (30.3–40.6)	32.8 (28.4–37.2)	36.6 (31.3–41.9)
	Pacific	75.0 (59.6–90.4)	44.9 (33.9–55.9)	36.3 (28.2–44.5)	29.5 (20.9–38.1)
	Non-Māori non-Pacific	28.7 (26.3–31.0)	28.2 (25.8–30.6)	21.2 (19.3–23.2)	18.4 (16.2–20.5)
15–24 years	Māori	94.2 (83.5–105)	91.6 (81.4–102)	73.6 (65.2–82.0)	86.3 (75.6–97.0)
	Pacific	82.2 (60.1–104)	92.1 (72.6–112)	60.4 (47.5–73.2)	60.1 (44.4–75.7)
	Non-Māori non-Pacific	58.3 (54.6–62.0)	53.2 (49.6–56.8)	50.4 (47.2–53.7)	42.4 (38.6–46.2)
25–44 years	Māori	229.6 (212–247)	201.1 (185–217)	202.1 (189–215)	176.5 (164–189)
	Pacific	138.0 (112–163)	153.7 (131–176)	126.3 (110–143)	184.8 (163–207)
	Non-Māori non-Pacific	95.2 (91.3–99.0)	88.0 (84.5–91.4)	78.1 (75.3–81.0)	63.8 (60.7–66.8)
45–64 years	Māori	1440.1 (1373–1507)	1464.5 (1401–1528)	1496.5 (1443–1550)	1274.9 (1221–1328)
	Pacific	987.3 (859–1116)	1003.8 (901–1107)	837.8 (769–907)	897.8 (820–975)
	Non-Māori non-Pacific	571.1 (561–582)	524.0 (514–534)	472.6 (464–481)	397.6 (388–407)
65–74 years	Māori	4820.9 (4538–5104)	4495.8 (4236–4755)	4552.2 (4332–4773)	4563.7 (4339–4788)
	Pacific	3153.7 (2601–3706)	3655.1 (3170–4141)	3066.7 (2766–3367)	3208.3 (2899–3518)
	Non-Māori non-Pacific	2333.7 (2299–2368)	2144.8 (2113–2177)	1878.9 (1852–1906)	1557.1 (1528–1586)

**Table 18:** Overall age-specific mortality rate, by age group (sole series)

Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
1–14 years	Māori	56.6 (51.1–62.0)	51.0 (45.6–56.4)	47.6 (43.0–52.2)	61.5 (54.3–68.7)
	Pacific	62.2 (52.4–72.0)	53.5 (43.9–63.1)	50.3 (43.0–57.7)	28.7 (21.7–35.8)
	Non-Māori non-Pacific	35.6 (33.8–37.3)	34.4 (32.6–36.1)	25.9 (24.5–27.3)	22.2 (20.7–23.7)
15–24 years	Māori	159.4 (148–171)	158.3 (147–169)	158.8 (149–169)	167.0 (152–182)
	Pacific	119.7 (100–139)	125.3 (107–143)	96.6 (83.9–109)	106.8 (89.3–124)
	Non-Māori non-Pacific	104.1 (101–107)	109.1 (106–113)	97.1 (94.0–100)	78.4 (75.1–81.8)
25–44 years	Māori	311.9 (295–328)	297.0 (282–312)	289.9 (278–302)	287.7 (273–303)
	Pacific	196.0 (174–218)	206.8 (187–226)	186.8 (172–201)	202.9 (185–221)
	Non-Māori non-Pacific	130.4 (127–134)	124.9 (122–128)	113.8 (111–116)	103.2 (101–106)
45–64 years	Māori	1906.7 (1845–1969)	1866.7 (1811–1923)	1833.6 (1788–1879)	1848.2 (1792–1905)
	Pacific	1238.0 (1134–1342)	1372.7 (1283–1463)	1095.9 (1038–1154)	1213.3 (1144–1283)
	Non-Māori non-Pacific	793.5 (785–802)	711.5 (703–720)	609.3 (603–616)	519.1 (512–526)
65–74 years	Māori	6205.5 (5941–6470)	5571.7 (5337–5806)	5691.8 (5496–5887)	6141.4 (5903–6380)
	Pacific	4350.8 (3866–4836)	5136.3 (4684–5589)	4281.8 (4007–4556)	4632.6 (4327–4938)
	Non-Māori non-Pacific	3213.3 (3183–3243)	2957.1 (2929–2985)	2600.1 (2577–2623)	2151.6 (2127–2176)

**Table 19:** Age-specific male mortality rate, by age group (sole series)

Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
1–14 years	Māori	64.0 (55.8–72.1)	64.2 (55.7–72.7)	57.4 (50.3–64.5)	70.8 (60.1–81.5)
	Pacific	58.5 (45.3–71.7)	58.4 (44.4–72.5)	60.7 (49.5–71.8)	27.9 (18.3–37.5)
	Non-Māori non-Pacific	42.1 (39.5–44.8)	39.3 (36.6–41.9)	30.1 (28.0–32.2)	24.7 (22.5–27.0)
15–24 years	Māori	217.3 (198–236)	222.7 (204–241)	239.9 (222–258)	231.1 (206–256)
	Pacific	162.7 (130–195)	176.9 (146–208)	135.5 (114–157)	165.9 (135–197)
	Non-Māori non-Pacific	147.1 (141–153)	161.6 (156–167)	142.0 (137–147)	110.4 (105–116)
25–44 years	Māori	371.6 (346–397)	379.8 (356–404)	356.4 (337–376)	378.9 (354–404)
	Pacific	249.8 (215–284)	262.4 (231–293)	244.7 (221–268)	236.4 (208–265)
	Non-Māori non-Pacific	164.5 (160–169)	160.7 (156–165)	150.2 (146–154)	138.3 (134–143)
45–64 years	Māori	2251.4 (2155–2348)	2156.1 (2071–2242)	2063.8 (1995–2133)	2164.6 (2078–2251)
	Pacific	1537.1 (1371–1703)	1698.3 (1557–1840)	1345.8 (1253–1439)	1494.3 (1384–1605)
	Non-Māori non-Pacific	1019.9 (1006–1034)	896.5 (884–909)	742.4 (732–753)	629.7 (618–641)
65–74 years	Māori	7112.9 (6710–7515)	6623.8 (6246–7002)	6828.5 (6511–7145)	7165.2 (6782–7548)
	Pacific	6016.3 (5158–6875)	6715.6 (5957–7474)	5666.0 (5191–6141)	6252.1 (5715–6790)
	Non-Māori non-Pacific	4274.5 (4223–4326)	3950.4 (3902–3998)	3458.3 (3419–3498)	2794.4 (2754–2835)

**Table 20:** Age-specific female mortality rate, by age group (sole series)

Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
1–14 years	Māori	49.0 (41.8–56.2)	37.1 (30.5–43.7)	37.5 (31.6–43.3)	51.4 (41.9–60.9)
	Pacific	66.3 (51.6–80.9)	48.3 (35.2–61.4)	39.1 (29.7–48.5)	29.6 (19.3–39.9)
	Non-Māori non-Pacific	28.7 (26.5–31.0)	29.3 (27.0–31.6)	21.5 (19.7–23.3)	19.5 (17.5–21.5)
15–24 years	Māori	101.9 (88.9–115)	92.3 (80.3–104)	77.7 (67.6–87.8)	103.0 (86.0–120)
	Pacific	78.4 (56.5–100)	78.5 (58.7–98.3)	61.4 (47.3–75.5)	51.1 (34.0–68.1)
	Non-Māori non-Pacific	58.8 (55.2–62.5)	54.7 (51.2–58.2)	51.0 (47.8–54.2)	46.3 (42.6–50.0)
25–44 years	Māori	251.9 (231–273)	217.1 (199–235)	226.9 (212–242)	202.7 (185–221)
	Pacific	136.3 (111–162)	150.7 (127–174)	131.5 (114–149)	173.3 (150–197)
	Non-Māori non-Pacific	96.2 (92.4–100.0)	89.3 (85.9–92.8)	78.2 (75.5–81.0)	69.8 (66.7–72.8)
45–64 years	Māori	1573.6 (1494–1653)	1583.6 (1511–1656)	1609.5 (1549–1670)	1537.0 (1465–1609)
	Pacific	939.1 (812–1067)	1044.2 (933–1155)	860.3 (789–932)	945.6 (860–1032)
	Non-Māori non-Pacific	575.4 (565–586)	526.9 (517–537)	475.1 (467–484)	409.2 (400–418)
65–74 years	Māori	5327.7 (4982–5673)	4690.4 (4398–4983)	4730.9 (4489–4973)	5285.7 (4987–5584)
	Pacific	2990.1 (2446–3535)	3777.1 (3245–4309)	3168.7 (2852–3485)	3376.8 (3030–3724)
	Non-Māori non-Pacific	2340.6 (2306–2375)	2151.3 (2119–2183)	1884.5 (1858–1911)	1579.2 (1550–1608)

**Table 21:** Age-specific mortality rate ratios, by gender (prioritised)

Ethnic group	Gender	Age group	1980–84	1985–89	1990–95	1996–99
Māori	Males	1–14 years	1.32 (1.16–1.51)	1.64 (1.44–1.86)	1.70 (1.49–1.94)	2.22 (1.90–2.60)
		15–24 years	1.39 (1.28–1.52)	1.45 (1.34–1.58)	1.71 (1.58–1.84)	1.96 (1.77–2.17)
		25–44 years	2.09 (1.95–2.24)	2.26 (2.11–2.41)	2.19 (2.07–2.32)	2.65 (2.48–2.82)
		45–64 years	2.05 (1.96–2.13)	2.26 (2.17–2.35)	2.66 (2.57–2.76)	3.09 (2.97–3.21)
		65–74 years	1.54 (1.46–1.62)	1.59 (1.51–1.68)	1.90 (1.81–1.99)	2.23 (2.12–2.34)
	Females	1–14 years	1.48 (1.27–1.73)	1.26 (1.06–1.49)	1.54 (1.31–1.82)	1.99 (1.65–2.40)
		15–24 years	1.62 (1.42–1.84)	1.72 (1.51–1.96)	1.46 (1.28–1.66)	2.04 (1.75–2.37)
		25–44 years	2.41 (2.21–2.63)	2.29 (2.09–2.49)	2.59 (2.40–2.78)	2.77 (2.54–3.02)
		45–64 years	2.52 (2.40–2.65)	2.80 (2.67–2.93)	3.17 (3.04–3.30)	3.21 (3.06–3.36)
		65–74 years	2.07 (1.94–2.19)	2.10 (1.97–2.22)	2.42 (2.30–2.55)	2.93 (2.78–3.09)
Pacific	Males	1–14 years	1.59 (1.28–1.98)	1.46 (1.16–1.84)	1.91 (1.58–2.30)	1.44 (1.09–1.91)
		15–24 years	1.16 (0.96–1.41)	1.34 (1.15–1.56)	0.97 (0.83–1.13)	1.63 (1.37–1.93)
		25–44 years	1.56 (1.36–1.79)	1.72 (1.53–1.92)	1.58 (1.43–1.74)	1.93 (1.72–2.16)
		45–64 years	1.61 (1.45–1.79)	1.85 (1.70–2.00)	1.79 (1.67–1.92)	2.41 (2.24–2.59)
		65–74 years	1.47 (1.29–1.69)	1.72 (1.55–1.92)	1.62 (1.49–1.76)	2.17 (2.00–2.36)
	Females	1–14 years	2.62 (2.10–3.26)	1.59 (1.23–2.07)	1.71 (1.34–2.18)	1.61 (1.17–2.20)
		15–24 years	1.41 (1.07–1.86)	1.73 (1.39–2.16)	1.20 (0.96–1.50)	1.42 (1.08–1.86)
		25–44 years	1.45 (1.20–1.75)	1.75 (1.50–2.04)	1.62 (1.41–1.85)	2.90 (2.55–3.29)
		45–64 years	1.73 (1.52–1.97)	1.92 (1.73–2.13)	1.77 (1.63–1.93)	2.26 (2.06–2.47)
		65–74 years	1.35 (1.13–1.61)	1.70 (1.49–1.95)	1.63 (1.48–1.80)	2.06 (1.87–2.27)

**Table 22:** Age-specific mortality rate ratios, by gender (sole)

Ethnic group	Gender	Age group	1980–84	1985–89	1990–95	1996–99
Māori	Males	1–14 years	1.52 (1.32–1.75)	1.64 (1.41–1.90)	1.91 (1.65–2.20)	2.86 (2.40–3.41)
		15–24 years	1.48 (1.34–1.63)	1.38 (1.26–1.51)	1.69 (1.56–1.83)	2.09 (1.86–2.36)
		25–44 years	2.26 (2.10–2.43)	2.36 (2.21–2.53)	2.37 (2.24–2.52)	2.74 (2.55–2.95)
		45–64 years	2.21 (2.11–2.31)	2.40 (2.31–2.51)	2.78 (2.68–2.88)	3.44 (3.29–3.59)
		65–74 years	1.66 (1.57–1.76)	1.68 (1.58–1.78)	1.97 (1.88–2.07)	2.56 (2.43–2.71)
	Females	1–14 years	1.70 (1.44–2.01)	1.27 (1.04–1.54)	1.74 (1.46–2.08)	2.64 (2.13–3.26)
		15–24 years	1.73 (1.50–2.00)	1.69 (1.46–1.95)	1.52 (1.32–1.76)	2.22 (1.85–2.67)
		25–44 years	2.62 (2.39–2.87)	2.43 (2.22–2.66)	2.90 (2.69–3.13)	2.91 (2.63–3.21)
		45–64 years	2.73 (2.59–2.89)	3.01 (2.86–3.16)	3.39 (3.25–3.53)	3.76 (3.57–3.96)
		65–74 years	2.28 (2.13–2.43)	2.18 (2.04–2.32)	2.51 (2.38–2.65)	3.35 (3.15–3.55)
Pacific	Males	1–14 years	1.39 (1.10–1.76)	1.49 (1.16–1.91)	2.02 (1.66–2.45)	1.13 (0.79–1.61)
		15–24 years	1.11 (0.90–1.35)	1.09 (0.92–1.31)	0.95 (0.81–1.12)	1.50 (1.24–1.83)
		25–44 years	1.52 (1.32–1.75)	1.63 (1.45–1.84)	1.63 (1.47–1.80)	1.71 (1.51–1.93)
		45–64 years	1.51 (1.35–1.68)	1.89 (1.74–2.06)	1.81 (1.69–1.95)	2.37 (2.20–2.56)
		65–74 years	1.41 (1.22–1.62)	1.70 (1.52–1.90)	1.64 (1.51–1.78)	2.24 (2.05–2.44)
	Females	1–14 years	2.31 (1.82–2.91)	1.65 (1.24–2.19)	1.82 (1.41–2.35)	1.52 (1.06–2.18)
		15–24 years	1.33 (1.00–1.77)	1.44 (1.11–1.86)	1.20 (0.95–1.53)	1.10 (0.78–1.55)
		25–44 years	1.42 (1.17–1.72)	1.69 (1.43–1.98)	1.68 (1.47–1.92)	2.48 (2.15–2.87)
		45–64 years	1.63 (1.42–1.87)	1.98 (1.78–2.21)	1.81 (1.66–1.97)	2.31 (2.10–2.54)
		65–74 years	1.28 (1.06–1.53)	1.76 (1.52–2.02)	1.68 (1.52–1.86)	2.14 (1.93–2.37)

**Table 23:** Sole and prioritised Māori mortality rates, by age group

Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
1–14 years	Sole	56.6 (51.1–62.0)	51.0 (45.6–56.4)	47.6 (43.0–52.2)	61.5 (54.3–68.7)
	Prioritised	49.0 (44.8–53.2)	48.9 (44.7–53.1)	41.8 (38.2–45.3)	43.7 (39.7–47.8)
15–24 years	Sole	159.4 (148–171)	158.3 (147–169)	158.8 (149–169)	167.0 (152–182)
	Prioritised	148.0 (138–157)	159.2 (150–169)	154.0 (145–163)	141.9 (132–152)
25–44 years	Sole	311.9 (295–328)	297.0 (282–312)	289.9 (278–302)	287.7 (273–303)
	Prioritised	283.9 (270–298)	276.6 (264–290)	262.3 (252–273)	252.9 (242–264)
45–64 years	Sole	1906.7 (1845–1969)	1866.7 (1811–1923)	1833.6 (1788–1879)	1848.2 (1792–1905)
	Prioritised	1749.7 (1697–1803)	1734.0 (1685–1783)	1723.0 (1682–1764)	1569.2 (1527–1612)
65–74 years	Sole	6205.5 (5941–6470)	5571.7 (5337–5806)	5691.8 (5496–5887)	6141.4 (5903–6380)
	Prioritised	5671.7 (5452–5891)	5317.9 (5111–5525)	5469.3 (5291–5647)	5295.8 (5118–5473)

**Table 24:** Sole and prioritised Pacific mortality rates, by age group

Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
1–14 years	Sole	62.2 (52.4–72.0)	53.5 (43.9–63.1)	50.3 (43.0–57.7)	28.7 (21.7–35.8)
	Prioritised	70.6 (60.2–81.0)	50.2 (42.0–58.3)	46.9 (40.5–53.3)	31.3 (25.2–37.4)
15–24 years	Sole	119.7 (100–139)	125.3 (107–143)	96.6 (83.9–109)	106.8 (89.3–124)
	Prioritised	124.9 (105–144)	147.7 (130–166)	95.5 (83.9–107)	111.7 (96.4–127)
25–44 years	Sole	196.0 (174–218)	206.8 (187–226)	186.8 (172–201)	202.9 (185–221)
	Prioritised	198.6 (177–220)	212.1 (193–231)	179.6 (166–193)	213.3 (196–230)
45–64 years	Sole	1238.0 (1134–1342)	1372.7 (1283–1463)	1095.9 (1038–1154)	1213.3 (1144–1283)
	Prioritised	1309.5 (1204–1415)	1324.5 (1241–1408)	1071.0 (1015–1127)	1173.2 (1109–1237)
65–74 years	Sole	4350.8 (3866–4836)	5136.3 (4684–5589)	4281.8 (4007–4556)	4632.6 (4327–4938)
	Prioritised	4567.4 (4078–5057)	5074.6 (4653–5496)	4184.9 (3922–4448)	4421.2 (4148–4695)

**Table 25:** Life expectancy, by age (prioritised series)

Gender	Age	Prioritised ethnic group	1980–84	1985–89	1990–95	1996–99
Males	At birth	Māori	64.6	64.9	65.2	65.8
		Pacific	66.7	66.9	68.6	67.9
		Non-Māori non-Pacific	70.9	71.9	73.7	75.7
	15 years	Māori	51.1	51.5	51.5	51.9
		Pacific	53.0	53.1	54.6	53.8
		Non-Māori non-Pacific	57.2	58.0	59.5	61.3
	45 years	Māori	24.2	24.9	24.7	25.1
		Pacific	25.4	25.9	27.0	26.3
		Non-Māori non-Pacific	29.2	30.1	31.5	33.0
	65 years	Māori	11.2	12.0	11.5	11.6
		Pacific	11.1	11.8	11.8	11.7
		Non-Māori non-Pacific	13.4	13.9	14.8	15.9
Females	At birth	Māori	69.4	70.5	70.2	71.0
		Pacific	74.2	73.2	75.0	74.2
		Non-Māori non-Pacific	77.2	77.9	79.4	80.8
	15 years	Māori	55.7	56.8	56.2	56.9
		Pacific	60.6	59.4	60.9	60.0
		Non-Māori non-Pacific	63.2	63.8	65.1	66.4
	45 years	Māori	27.9	28.7	28.1	28.6
		Pacific	32.2	31.1	32.2	31.8
		Non-Māori non-Pacific	34.4	34.9	36.1	37.2
	65 years	Māori	13.7	14.9	14.2	13.9
		Pacific	17.0	15.7	16.2	16.0
		Non-Māori non-Pacific	17.3	17.6	18.6	19.4

**Table 26:** Life expectancy, by age (sole series)

Gender	Age	Sole ethnic group	1980–84	1985–89	1990–95	1996–99
Males	At birth	Mäori	63.34	64.10	64.27	63.60
		Pacific	67.40	66.88	68.21	67.67
		Non-Mäori non-Pacific	70.86	71.75	73.64	75.31
	15 years	Mäori	50.09	50.81	50.81	50.04
		Pacific	53.54	53.17	54.36	53.48
		Non-Mäori non-Pacific	57.17	57.95	59.44	61.02
	45 years	Mäori	23.40	24.27	24.20	23.49
		Pacific	25.99	25.78	26.73	25.91
		Non-Mäori non-Pacific	29.18	30.06	31.43	32.80
	65 years	Mäori	10.66	11.60	11.12	10.41
		Pacific	11.50	11.84	11.66	11.20
		Non-Mäori non-Pacific	13.34	13.85	14.76	15.78
Females	At birth	Mäori	67.95	69.60	69.15	68.66
		Pacific	74.79	72.88	74.61	73.89
		Non-Mäori non-Pacific	77.10	77.76	79.36	80.51
	15 years	Mäori	54.53	55.91	55.38	54.82
		Pacific	61.08	59.18	60.52	59.59
		Non-Mäori non-Pacific	63.17	63.76	65.02	66.12
	45 years	Mäori	26.78	27.92	27.36	26.75
		Pacific	32.63	30.77	31.91	31.23
		Non-Mäori non-Pacific	34.33	34.86	36.03	37.04
	65 years	Mäori	12.79	14.41	13.76	12.54
		Pacific	17.25	15.48	15.97	15.57
		Non-Mäori non-Pacific	17.26	17.59	18.60	19.33

**Table 27:** Age-substituted life expectancy, by gender (prioritised series)

Gender	Prioritised ethnic group	Period	Age-substituted life expectancy			
			0–14 years	15–44 years	45–64 years	65+ years
Males	Mäori	1980–84	0.33	1.45	3.21	1.36
		1985–89	0.60	1.67	3.51	1.18
		1990–95	0.70	1.74	3.96	2.17
		1996–99	0.71	2.05	4.32	2.89
	Pacific	1980–84	0.03	0.68	1.96	1.55
		1985–89	0.12	1.01	2.45	1.39
		1990–95	0.36	0.58	2.01	2.21
		1996–99	0.40	1.22	3.05	3.16
Females	Mäori	1980–84	0.42	1.22	3.40	2.72
		1985–89	0.37	1.08	3.85	2.01
		1990–95	0.53	1.09	4.22	3.37
		1996–99	0.53	1.17	3.69	4.48
	Pacific	1980–84	0.40	0.47	1.84	0.27
		1985–89	0.34	0.74	2.07	1.50
		1990–95	0.24	0.45	1.69	2.01
		1996–99	0.29	1.12	2.31	2.88

**Table 28:** Age-substituted life expectancy, by gender (sole series)

Gender	Prioritised ethnic group	Period	Age-substituted life expectancy			
			0–14 years	15–44 years	45–64 years	65+ years
Males	Māori	1980–84	0.64	1.70	3.58	1.60
		1985–89	0.70	1.74	3.84	1.37
		1990–95	0.95	1.91	4.17	2.34
		1996–99	0.99	2.35	4.87	3.50
	Pacific	1980–84	-0.10	0.61	1.68	1.28
		1985–89	0.18	0.73	2.59	1.36
		1990–95	0.44	0.62	2.06	2.31
		1996–99	0.19	1.01	3.01	3.42
Females	Māori	1980–84	0.72	1.40	3.74	3.29
		1985–89	0.46	1.17	4.22	2.31
		1990–95	0.74	1.29	4.57	3.61
		1996–99	0.75	1.37	4.45	5.28
	Pacific	1980–84	0.25	0.43	1.62	0.01
		1985–89	0.38	0.61	2.21	1.67
		1990–95	0.30	0.49	1.76	2.20
		1996–99	0.15	0.88	2.43	3.15

**Table 29:** Cause-specific standardised mortality rates, ages 1–74 years (prioritised series)

Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Category I	Māori	28.7 (25.4–32.0)	26.3 (23.4–29.3)	20.0 (17.8–22.1)	14.2 (12.3–16.1)
	Pacific	36.4 (27.7–45.1)	40.0 (32.6–47.3)	20.3 (16.6–24.1)	14.9 (11.7–18.1)
	Non-Māori non-Pacific	10.3 (9.8–10.7)	9.6 (9.2–10.0)	7.3 (6.9–7.6)	4.5 (4.2–4.9)
Category II	Māori	698.0 (682–714)	670.0 (655–685)	680.7 (668–694)	641.3 (628–654)
	Pacific	527.2 (494–561)	562.9 (535–591)	469.2 (451–488)	522.2 (502–542)
	Non-Māori non-Pacific	347.5 (345–350)	314.3 (312–317)	274.5 (273–276)	226.8 (225–229)
Category III	Māori	69.5 (65.6–73.4)	76.7 (72.9–80.4)	71.3 (68.2–74.4)	70.9 (67.6–74.2)
	Pacific	56.2 (48.6–63.8)	50.1 (44.2–56.0)	41.7 (37.8–45.7)	39.5 (35.3–43.8)
	Non-Māori non-Pacific	46.1 (45.1–47.0)	46.9 (45.9–47.9)	42.0 (41.2–42.9)	34.7 (33.8–35.7)

**Table 30:** Cause-specific standardised mortality rates, ages 1–74 years, by gender (prioritised series)

Gender	Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Category I	Māori	32.2 (27.3–37.2)	29.3 (24.9–33.8)	25.4 (21.9–29)	14.3 (11.5–17.1)
		Pacific	43.2 (29–57.3)	58.4 (45.4–71.3)	26.6 (20–33.1)	16.7 (11.7–21.7)
		Non-Māori non-Pacific	12.1 (11.4–12.8)	11.9 (11.3–12.6)	9.5 (9–10.1)	5.7 (5.2–6.2)
	Category II	Māori	800.2 (775.6–824.9)	776.6 (752.9–800.2)	783.2 (763–803.5)	749.6 (729–770.1)
		Pacific	668.4 (611.9–725)	703.9 (657.7–750.1)	590.2 (559.5–620.8)	662.1 (628.2–696.1)
		Non-Māori non-Pacific	448.5 (444.4–452.5)	401.2 (397.5–405)	343.6 (340.5–346.7)	279.8 (276.5–283.1)
	Category III	Māori	106.3 (99.5–113.2)	115.9 (109.3–122.4)	107.5 (102.1–112.8)	109.6 (103.6–115.5)
		Pacific	92.0 (78.3–105.7)	79.7 (68.6–90.8)	67.7 (60.4–75)	62.8 (55–70.5)
		Non-Māori non-Pacific	66.9 (65.2–68.6)	70.1 (68.4–71.8)	63.8 (62.3–65.2)	52.5 (50.8–54.1)
Females	Category I	Māori	25.2 (20.9–29.6)	23.3 (19.3–27.2)	15.1 (12.6–17.7)	14.1 (11.5–16.8)
		Pacific	30.4 (19.6–41.3)	23.1 (15.3–31)	15.1 (10.9–19.3)	13.2 (9–17.4)
		Non-Māori non-Pacific	8.6 (8.1–9.2)	7.6 (7.1–8.1)	5.1 (4.7–5.5)	3.5 (3.1–3.9)
	Category II	Māori	599.5 (578.7–620.4)	572.6 (553.4–591.8)	588.6 (572.1–605)	541.9 (525.3–558.5)
		Pacific	401.6 (362.2–441)	435.4 (401.7–469.2)	365.6 (343.7–387.4)	404.9 (381–428.7)
		Non-Māori non-Pacific	258.1 (255.1–261.1)	237.2 (234.4–240.1)	212.5 (210.1–214.9)	177.6 (175–180.2)
	Category III	Māori	33.4 (29.7–37.1)	38.8 (35.1–42.6)	37.0 (33.8–40.2)	34.9 (31.8–38.1)
		Pacific	19.3 (12.9–25.8)	22.1 (17.2–27.1)	17.5 (13.9–21)	17.9 (13.9–22)
		Non-Māori non-Pacific	25.0 (24–26)	23.5 (22.5–24.5)	20.3 (19.5–21.1)	17.3 (16.4–18.3)

**Table 31:** Standardised mortality rates, ages 1–74 years – specific causes (prioritised series)

Causes	Ethnic group	1980–84	1985–89	1990–95	1996–99
Cancer	Mäori	189.7 (181–198)	192.6 (185–201)	205.2 (198–212)	215.2 (208–223)
	Pacific	155.6 (138–174)	175.8 (160–191)	144.7 (135–155)	179.3 (168–191)
	Non-Mäori non-Pacific	119.4 (118–121)	117.5 (116–119)	115.6 (114–117)	104.0 (103–105)
Lung cancer	Mäori	66.1 (61.0–71.2)	64.7 (59.9–69.5)	72.1 (67.8–76.4)	76.8 (72.2–81.4)
	Pacific	28.0 (20.2–35.8)	35.9 (28.8–43.1)	34.8 (29.6–39.9)	40.3 (34.5–46.1)
	Non-Mäori non-Pacific	25.2 (24.6–25.9)	24.4 (23.7–25.0)	22.9 (22.4–23.5)	19.0 (18.4–19.6)
Colorectal cancer	Mäori	10.0 (8.0–11.9)	11.4 (9.4–13.3)	11.8 (10.1–13.5)	14.8 (12.8–16.8)
	Pacific	1.4 (0.1–2.7)	7.3 (3.9–10.7)	6.8 (4.6–9.0)	13.6 (10.4–16.9)
	Non-Mäori non-Pacific	19.4 (18.8–20.0)	18.9 (18.3–19.5)	18.6 (18.1–19.1)	16.8 (16.2–17.3)
Cardiovascular disease	Mäori	345.8 (334.4–357.3)	317.5 (307.0–328.0)	305.5 (296.8–314.1)	264.9 (256.5–273.4)
	Pacific	255.3 (231.8–278.9)	261.1 (241.7–280.6)	215.8 (203.3–228.3)	208.9 (196.1–221.7)
	Non-Mäori non-Pacific	171.1 (169.4–172.8)	142.3 (140.8–143.8)	111.4 (110.2–112.6)	78.5 (77.2–79.7)
Ischaemic heart disease	Mäori	199.8 (191–209)	178.2 (170–186)	179.0 (172–186)	156.4 (150–163)
	Pacific	127.4 (111–144)	135.9 (122–150)	112.2 (103–121)	105.9 (96.7–115)
	Non-Mäori non-Pacific	117.6 (116–119)	98.4 (97.1–99.6)	74.3 (73.3–75.3)	51.2 (50.2–52.2)
Stroke	Mäori	56.8 (52.1–61.5)	50.2 (45.9–54.4)	44.4 (41.1–47.8)	32.7 (29.7–35.6)
	Pacific	76.6 (63.2–90.1)	60.4 (50.8–70.0)	52.0 (45.7–58.3)	45.9 (39.7–52.1)
	Non-Mäori non-Pacific	30.2 (29.4–30.9)	23.2 (22.5–23.8)	18.8 (18.3–19.3)	13.5 (13.0–14.0)
Respiratory diseases	Mäori	81.4 (75.9–86.8)	73.7 (68.6–78.7)	62.1 (58.1–66.1)	54.5 (50.5–58.4)
	Pacific	68.5 (56.0–81.0)	79.1 (68.2–89.9)	34.5 (29.4–39.6)	37.6 (32.0–43.1)
	Non-Mäori non-Pacific	29.3 (28.6–30.0)	27.1 (26.5–27.8)	19.4 (18.9–19.9)	16.7 (16.2–17.3)
Unintentional injuries	Mäori	59.7 (56.1–63.3)	60.4 (57.1–63.7)	53.0 (50.3–55.8)	44.7 (42.1–47.4)
	Pacific	41.5 (35.0–47.9)	36.6 (31.5–41.7)	27.3 (24.1–30.5)	24.8 (21.3–28.3)
	Non-Mäori non-Pacific	33.9 (33.0–34.7)	32.9 (32.1–33.7)	26.8 (26.1–27.4)	19.9 (19.2–20.6)
Road traffic crash	Mäori	36.7 (34.0–39.4)	40.5 (37.8–43.2)	35.4 (33.2–37.5)	27.6 (25.6–29.6)
	Pacific	21.9 (17.9–25.9)	17.7 (14.6–20.8)	17.1 (14.6–19.6)	14.3 (11.7–16.9)
	Non-Mäori non-Pacific	19.1 (18.5–19.8)	21.1 (20.4–21.7)	17.0 (16.5–17.5)	12.1 (11.5–12.6)
Suicide	Mäori	7.2 (5.9–8.4)	10.2 (9.0–11.4)	13.7 (12.5–14.9)	21.4 (19.7–23.2)
	Pacific	7.7 (5.0–10.4)	9.1 (6.9–11.2)	10.6 (8.6–12.6)	10.9 (8.8–13.0)
	Non-Mäori non-Pacific	11.1 (10.6–11.5)	12.4 (11.9–12.9)	13.6 (13.2–14.1)	13.8 (13.2–14.4)

Note: ICD9 codes used: Cancer 140–208, Lung cancer 162, Colorectal cancer 153–154, Cardiovascular diseases 390–459, Ischaemic heart disease 410–414, Stroke 430–438, Respiratory diseases 460–519, Unintentional injuries 800–949, Road traffic crash 810–825, Suicide: 950–959.

**Table 32:** Standardised mortality rates, ages 1–74 years, by gender – specific causes (prioritised series)

Gender	Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Cancer	Māori	204.7 (192–217)	208.4 (196–221)	224.9 (214–236)	229.2 (218–241)
		Pacific	203.3 (172–235)	219.3 (193–245)	166.2 (150–183)	210.9 (192–230)
		Non-Māori non-Pacific	136.6 (134–139)	132.2 (130–134)	128.8 (127–131)	113.8 (112–116)
	Lung cancer	Māori	84.2 (76.0–92.3)	76.3 (68.6–83.9)	86.6 (79.6–93.6)	85.8 (78.7–92.9)
		Pacific	54.8 (38.0–71.5)	55.5 (42.5–68.5)	58.6 (48.6–68.6)	64.0 (53.1–74.8)
		Non-Māori non-Pacific	40.6 (39.4–41.9)	36.4 (35.3–37.6)	31.7 (30.7–32.6)	24.5 (23.6–25.5)
	Prostate cancer	Māori	11.5 (8.3–14.7)	13.9 (10.5–17.4)	15.5 (12.4–18.7)	16.1 (12.8–19.3)
		Pacific	18.0 (7.4–28.6)	20.8 (11.7–29.8)	13.5 (8.2–18.7)	11.2 (6.5–15.9)
		Non-Māori non-Pacific	8.8 (8.2–9.3)	8.9 (8.4–9.5)	9.7 (9.2–10.2)	8.6 (8.0–9.1)
	Colorectal cancer	Māori	12.9 (9.8–16.1)	13.7 (10.6–16.8)	14.2 (11.4–16.9)	18.9 (15.5–22.2)
		Pacific	1.7 (0.5–3.8)	11.1 (4.9–17.2)	8.1 (4.6–11.5)	17.9 (12.3–23.5)
		Non-Māori non-Pacific	21.4 (20.5–22.3)	21.0 (20.1–21.8)	21.7 (20.9–22.5)	19.6 (18.7–20.5)
	Cardiovascular disease	Māori	411.9 (394.1–429.7)	381.6 (365.0–398.2)	380.1 (66.0–394.1)	343.8 (29.9–357.8)
		Pacific	322.3 (283.5–361.1)	334.0 (302.3–365.6)	286.9 (65.7–308.0)	284.4 (62.2–306.6)
		Non-Māori non-Pacific	240.0 (237.0–243.0)	203.3 (200.6–205.9)	158.4 (56.3–160.5)	113.2 (11.1–115.3)
	Ischaemic heart disease	Māori	257.5 (243–272)	228.2 (215–241)	241.1 (230–252)	218.1 (207–229)
		Pacific	188.7 (159–218)	199.4 (174–225)	158.5 (143–174)	166.4 (150–183)
		Non-Māori non-Pacific	175.4 (173–178)	149.2 (147–151)	112.3 (111–114)	79.9 (78.1–81.6)
	Stroke	Māori	51.0 (44.6–57.3)	51.8 (45.5–58.2)	42.8 (38.1–47.6)	31.3 (27.1–35.6)
		Pacific	81.4 (61.4–101)	71.8 (56.5–87.1)	58.2 (48.3–68.1)	51.8 (42.0–61.7)
		Non-Māori non-Pacific	33.8 (32.7–34.9)	26.4 (25.4–27.3)	21.6 (20.8–22.3)	15.3 (14.5–16.0)
	Respiratory diseases	Māori	89.7 (81.4–97.9)	78.3 (70.6–85.9)	61.4 (55.6–67.3)	52.4 (46.7–58.1)
		Pacific	93.2 (70.8–116)	110.5 (91.4–130)	46.9 (37.7–56.1)	59.1 (48.4–69.7)
		Non-Māori non-Pacific	40.4 (39.2–41.6)	34.9 (33.8–35.9)	23.9 (23.1–24.7)	20.0 (19.1–20.8)
	Unintentional injuries	Māori	91.6 (85.2–98.0)	89.1 (83.3–94.9)	78.4 (73.7–83.0)	68.6 (63.8–73.4)
		Pacific	69.8 (58.1–81.6)	57.0 (47.4–66.5)	43.0 (37.2–48.9)	39.3 (33.0–45.5)
		Non-Māori non-Pacific	49.4 (48.0–50.9)	48.8 (47.4–50.2)	39.8 (38.6–41.0)	29.6 (28.4–30.8)
	Road traffic crashes	Māori	53.5 (48.8–58.2)	56.0 (51.5–60.5)	51.0 (47.3–54.6)	40.0 (36.4–43.5)
		Pacific	36.8 (29.3–44.4)	25.7 (20.7–30.7)	24.6 (20.3–29.0)	21.1 (16.6–25.6)
		Non-Māori non-Pacific	27.4 (26.4–28.5)	30.1 (29.0–31.2)	24.1 (23.2–25.0)	17.0 (16.1–18.0)
	Suicide	Māori	11.0 (8.8–13.3)	17.2 (14.9–19.6)	22.5 (20.3–24.8)	33.9 (30.7–37.1)
		Pacific	10.5 (6.3–14.8)	15.3 (11.3–19.3)	18.9 (15.0–22.7)	17.2 (13.4–21.1)
		Non-Māori non-Pacific	16.1 (15.3–16.9)	19.2 (18.3–20.1)	21.8 (21.0–22.7)	21.6 (20.6–22.6)

(Continued)

Gender	Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Females	Cancer	Māori	175.4 (164–186)	179.3 (169–190)	188.4 (179–198)	203.1 (193–213)
		Pacific	118.0 (97.2–139)	138.3 (120–156)	128.6 (116–141)	154.1 (140–169)
		Non-Māori non-Pacific	105.2 (103–107)	105.5 (104–107)	104.7 (103–106)	95.4 (93.4–97.3)
	Lung cancer	Māori	48.7 (42.6–54.8)	54.5 (48.4–60.5)	59.6 (54.4–64.9)	68.7 (62.7–74.7)
		Pacific	5.0 (1.3–8.7)	18.2 (11.2–25.2)	14.3 (9.9–18.8)	20.3 (14.8–25.8)
		Non-Māori non-Pacific	11.6 (10.9–12.2)	13.6 (12.9–14.3)	15.1 (14.5–15.8)	14.0 (13.2–14.7)
	Breast cancer	Māori	31.0 (26.6–35.5)	30.6 (26.5–34.8)	29.7 (26.1–33.3)	35.7 (31.7–39.7)
		Pacific	14.6 (8.6–20.7)	36.2 (27.8–44.6)	26.5 (21.2–31.8)	42.8 (35.4–50.2)
		Non-Māori non-Pacific	24.4 (23.4–25.3)	24.8 (23.9–25.8)	23.8 (22.9–24.6)	21.3 (20.3–22.2)
	Colorectal cancer	Māori	7.1 (4.8–9.3)	9.2 (6.7–11.6)	9.8 (7.7–11.9)	11.2 (8.8–13.6)
		Pacific	1.1 (0.3–2.6)	3.8 (0.6–6.9)	5.7 (3.0–8.4)	10.3 (6.5–14.0)
		Non-Māori non-Pacific	17.5 (16.7–18.3)	17.1 (16.3–17.8)	15.8 (15.1–16.4)	14.1 (13.4–14.8)
	Cardiovascular disease	Māori	282.0 (267.4–296.6)	257.7 (244.6–270.9)	237.0 (226.4–247.6)	191.9 (181.8–201.9)
		Pacific	188.9 (160.9–216.8)	192.6 (169.2–216.1)	152.0 (137.6–166.5)	143.5 (129.1–157.9)
		Non-Māori non-Pacific	108.9 (107.0–110.8)	87.0 (85.4–88.6)	68.3 (67.0–69.6)	45.7 (44.5–47.0)
	Ischaemic heart disease	Māori	143.9 (133–155)	130.9 (121–140)	122.0 (114–130)	99.2 (92.0–107)
		Pacific	68.0 (51.5–84.6)	77.9 (62.8–93.0)	69.5 (59.5–79.4)	52.9 (44.0–61.8)
		Non-Māori non-Pacific	65.1 (63.7–66.5)	52.1 (50.8–53.3)	39.2 (38.2–40.2)	24.1 (23.2–25.0)
	Stroke	Māori	62.5 (55.7–69.4)	49.0 (43.3–54.8)	45.9 (41.2–50.5)	33.9 (29.7–38.1)
		Pacific	71.0 (53.1–89.0)	49.9 (37.8–62.0)	46.5 (38.4–54.5)	41.2 (33.4–49.1)
		Non-Māori non-Pacific	27.1 (26.1–28.0)	20.4 (19.6–21.2)	16.4 (15.7–17.0)	11.9 (11.2–12.5)
	Respiratory diseases	Māori	73.4 (66.2–80.6)	69.7 (63.0–76.4)	63.0 (57.5–68.5)	56.6 (51.1–62.1)
		Pacific	47.4 (33.8–61.0)	51.5 (39.7–63.2)	25.0 (19.4–30.6)	20.8 (15.4–26.1)
		Non-Māori non-Pacific	19.8 (19.0–20.6)	20.7 (19.9–21.5)	15.6 (14.9–16.2)	13.8 (13.1–14.5)
	Unintentional injuries	Māori	28.3 (24.8–31.7)	32.7 (29.2–36.3)	28.9 (26.0–31.9)	22.4 (19.8–24.9)
		Pacific	12.5 (7.2–17.7)	17.3 (12.8–21.8)	12.7 (9.7–15.7)	11.4 (8.1–14.7)
		Non-Māori non-Pacific	18.0 (17.1–18.9)	16.8 (16.0–17.6)	13.7 (13.0–14.4)	10.3 (9.6–11.1)
	Road traffic crashes	Māori	20.1 (17.3–22.9)	25.7 (22.6–28.8)	20.5 (18.1–22.9)	16.1 (13.9–18.2)
		Pacific	6.6 (4.2–9.0)	10.0 (6.3–13.8)	10.2 (7.4–13.0)	8.1 (5.2–10.9)
		Non-Māori non-Pacific	10.6 (10.0–11.3)	11.9 (11.2–12.6)	9.8 (9.2–10.4)	7.2 (6.6–7.8)
	Suicide	Māori	3.4 (2.3–4.5)	3.3 (2.5–4.2)	5.4 (4.3–6.4)	9.9 (8.3–11.6)
		Pacific	4.6 (1.3–7.9)	3.1 (1.3–4.9)	2.9 (1.4–4.4)	5.0 (3.0–7.0)
		Non-Māori non-Pacific	6.0 (5.5–6.6)	5.7 (5.2–6.1)	5.5 (5.1–5.9)	6.1 (5.6–6.7)

**Table 33:** Cause-specific standardised mortality rates, by age group (prioritised series)

Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Category I	1–14 years	Māori	4.8 (3.5–6.1)	4.8 (3.5–6.1)	4.0 (2.9–5.0)	3.0 (2.0–4.0)
		Pacific	9.9 (5.9–13.8)	10.7 (7.0–14.5)	6.4 (4.1–8.6)	4.6 (2.4–6.9)
		Non-Māori non-Pacific	3.0 (2.5–3.5)	2.6 (2.1–3.2)	2.6 (2.1–3.1)	1.5 (1.1–1.9)
	15–24 years	Māori	3.8 (2.3–5.3)	2.2 (1.1–3.4)	4.1 (2.6–5.5)	2.0 (0.8–3.1)
		Pacific	1.7 (0.5–4.0)	6.0 (2.4–9.6)	1.9 (0.3–3.6)	5.9 (2.4–9.4)
		Non-Māori non-Pacific	2.1 (1.6–2.6)	2.0 (1.6–2.5)	1.5 (1.1–1.8)	1.1 (0.6–1.5)
	25–44 years	Māori	6.8 (4.6–9.0)	6.6 (4.6–8.5)	7.4 (5.6–9.1)	5.2 (3.7–6.8)
		Pacific	15.1 (9.4–20.8)	7.3 (3.8–10.8)	11.8 (8.3–15.4)	5.0 (2.5–7.6)
		Non-Māori non-Pacific	3.0 (2.5–3.5)	3.8 (3.3–4.3)	5.3 (4.7–5.8)	3.0 (2.5–3.4)
	45–64 years	Māori	52.1 (43.0–61.2)	53.6 (45.0–62.2)	38.7 (32.5–44.8)	21.2 (16.4–26.1)
		Pacific	52.6 (32.0–73.1)	73.3 (53.9–92.7)	22.6 (14.4–30.8)	31.4 (20.9–41.9)
		Non-Māori non-Pacific	15.5 (14.2–16.7)	13.8 (12.7–15.0)	9.9 (9.0–10.8)	6.5 (5.6–7.3)
	65–74 years	Māori	255.3 (208–302)	212.5 (171–254)	146.4 (117–176)	129.9 (102–158)
		Pacific	330.1 (196–464)	343.4 (235–452)	184.2 (128–241)	84.3 (46.4–122)
		Non-Māori non-Pacific	91.6 (86.5–96.6)	83.9 (79.2–88.6)	49.1 (46.0–52.3)	31.7 (28.7–34.7)
Category II	1–14 years	Māori	17.5 (15.0–20.0)	16.2 (13.8–18.7)	12.4 (10.5–14.4)	13.9 (11.7–16.2)
		Pacific	33.8 (26.6–41.0)	23.0 (17.5–28.5)	20.7 (16.4–25.0)	16.3 (11.9–20.8)
		Non-Māori non-Pacific	15.1 (13.9–16.3)	14.6 (13.4–15.8)	10.7 (9.8–11.7)	10.2 (9.0–11.3)
	15–24 years	Māori	47.5 (42.1–52.9)	29.3 (25.2–33.4)	29.0 (25.2–32.7)	27.5 (23.2–31.8)
		Pacific	45.5 (33.7–57.2)	53.5 (42.9–64.2)	25.4 (19.4–31.4)	41.9 (32.5–51.2)
		Non-Māori non-Pacific	24.0 (22.4–25.7)	20.5 (19.0–22.1)	18.7 (17.3–20.1)	15.6 (14.0–17.2)
	25–44 years	Māori	199.7 (188–211)	179.4 (169–190)	171.4 (163–180)	152.9 (144–162)
		Pacific	128.1 (110–146)	156.9 (140–173)	123.1 (112–135)	157.3 (143–172)
		Non-Māori non-Pacific	79.0 (76.6–81.5)	67.5 (65.4–69.7)	58.5 (56.7–60.2)	49.0 (47.2–50.9)
	45–64 years	Māori	1616.3 (1565–1667)	1604.6 (1557–1652)	1611.8 (1572–1652)	1483.4 (1442–1525)
		Pacific	1181.4 (1081–1282)	1188.5 (1109–1268)	996.9 (943–1051)	1095.2 (1034–1157)
		Non-Māori non-Pacific	722.5 (714–731)	644.9 (637–653)	553.3 (547–560)	458.7 (452–466)
	65–74 years	Māori	5296.1 (5084–5508)	5006.0 (4805–5207)	5239.2 (5065–5413)	5106.3 (4932–5281)
		Pacific	4149.3 (3683–4616)	4639.1 (4236–5043)	3941.8 (3686–4197)	4313.6 (4043–4584)
		Non-Māori non-Pacific	3031.1 (3002–3060)	2796.8 (2770–2824)	2488.8 (2466–2511)	2041.1 (2017–2065)

(Continued)

Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Category III	1–14 years	Māori	26.4 (23.4–29.5)	27.5 (24.3–30.7)	25.3 (22.6–28.1)	26.1 (23.0–29.3)
		Pacific	26.9 (20.6–33.3)	16.4 (11.8–21.1)	19.2 (15.1–23.3)	10.3 (6.8–13.8)
		Non-Māori non-Pacific	17.0 (15.7–18.2)	15.3 (14.1–16.6)	11.8 (10.8–12.8)	8.6 (7.5–9.6)
	15–24 years	Māori	95.1 (87.5–103)	125.4 (117–134)	119.2 (112–127)	110.9 (102–120)
		Pacific	72.7 (57.8–87.5)	88.2 (74.5–102)	66.3 (56.6–75.9)	62.2 (50.8–73.5)
		Non-Māori non-Pacific	75.8 (72.8–78.8)	82.0 (78.9–85.1)	73.8 (71.0–76.6)	55.1 (52.0–58.1)
	25–44 years	Māori	75.3 (68.4–82.1)	89.5 (82.6–96.4)	82.6 (77.0–88.2)	92.8 (86.4–99.2)
		Pacific	52.6 (41.8–63.4)	47.9 (39.3–56.4)	42.5 (36.2–48.9)	49.0 (41.1–56.9)
		Non-Māori non-Pacific	46.2 (44.3–48.0)	50.3 (48.4–52.1)	48.2 (46.6–49.8)	41.8 (40.0–43.6)
	45–64 years	Māori	79.0 (68.2–89.9)	73.0 (63.1–83.0)	69.0 (60.9–77.0)	62.5 (54.2–70.8)
		Pacific	75.6 (51.6–99.6)	51.5 (35.4–67.7)	46.0 (34.5–57.6)	46.6 (34.3–58.9)
		Non-Māori non-Pacific	47.9 (45.7–50.1)	46.5 (44.4–48.7)	40.9 (39.1–42.7)	35.9 (33.9–37.8)
	65–74 years	Māori	120.3 (88.2–152)	91.0 (64.0–118)	77.8 (56.4–99.3)	59.6 (41.0–78.2)
		Pacific	88.0 (23.2–153)	92.1 (35.5–149)	47.5 (20.8–74.3)	23.2 (3.7–42.8)
		Non-Māori non-Pacific	79.0 (74.3–83.7)	64.5 (60.4–68.6)	50.7 (47.5–53.9)	47.7 (43.9–51.4)

**Table 34:** Mortality rate in 35–64 and 65–74-year-old males and females for cancers and cardiovascular diseases (prioritised series)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Cancer	35–64 years	Māori	322.8 (298–348)	315.3 (293–338)	326.3 (307–346)	339.3 (318–361)
			Pacific	312.2 (255–369)	285.8 (245–327)	212.3 (185–239)	277.3 (244–311)
			Non-Māori non-Pacific	196.6 (192–201)	183.7 (179–188)	173.1 (169–177)	154.0 (150–158)
		65–74 years	Māori	1474.7 (1315–1634)	1667.3 (1497–1838)	1865.9 (1713–2019)	1863.9 (1709–2019)
			Pacific	1641.9 (1198–2086)	1947.4 (1560–2335)	1554.8 (1310–1799)	1866.3 (1596–2136)
			Non-Māori non-Pacific	1127.4 (1101–1154)	1140.7 (1115–1167)	1156.7 (1134–1180)	1020.5 (996–1045)
	Lung cancer	35–64 years	Māori	131.0 (115–147)	104.3 (91.1–117)	118.8 (107–131)	123.7 (111–137)
			Pacific	84.5 (55.1–114)	89.0 (64.8–113)	78.3 (61.5–95.0)	83.6 (64.9–102)
			Non-Māori non-Pacific	57.1 (54.6–59.7)	50.8 (48.5–53.1)	40.9 (39.0–42.8)	30.0 (28.0–31.9)
		65–74 years	Māori	686.0 (577–795)	717.2 (606–829)	816.9 (715–919)	773.5 (674–873)
			Pacific	458.3 (216–700)	443.0 (263–623)	568.8 (422–716)	632.1 (475–789)
			Non-Māori non-Pacific	375.4 (360–391)	338.9 (325–353)	315.6 (304–328)	255.1 (243–268)
	Prostate cancer	35–64 years	Māori	13.1 (7.9–18.3)	15.7 (10.3–21.1)	15.0 (10.7–19.3)	12.3 (8.1–16.5)
			Pacific	— —	— —	— —	— —
			Non-Māori non-Pacific	6.8 (5.9–7.6)	6.8 (6.0–7.6)	7.3 (6.5–8.1)	6.9 (5.9–7.8)
		65–74 years	Māori	126.3 (78.7–174.0)	154.1 (102–206)	187.7 (138–238)	215.4 (162–268)
			Pacific	— —	311.7 (155–468)	204.6 (113–296)	161.0 (83–239)
			Non-Māori non-Pacific	116.8 (108–125)	119.4 (111–128)	130.8 (123–138)	112.4 (104–121)
	Colorectal cancer	35–64 years	Māori	19.7 (13.7–25.7)	24.1 (17.8–30.4)	17.6 (13.2–22.1)	27.0 (20.9–33.1)
			Pacific	— —	— —	— —	17.3 (9.2–25.4)
			Non-Māori non-Pacific	34.8 (32.8–36.8)	33.8 (31.9–35.8)	33.0 (31.3–34.7)	27.9 (26.0–29.8)
		65–74 years	Māori	104.3 (61.7–146.9)	89.2 (50.0–128.5)	138.5 (96.8–180.1)	167.5 (121–214)
			Pacific	— —	— —	— —	198.9 (112–285)
			Non-Māori non-Pacific	163.5 (153–174)	163.0 (153–173)	181.1 (172–190)	174.9 (165–185)
	Cardiovascular disease	35–64 years	Māori	643.2 (608–677)	618.2 (586–649)	603.6 (577–629)	553.2 (526–580)
			Pacific	463.6 (397–530)	494.1 (439–548)	417.0 (379–454)	399.8 (359–439)
			Non-Māori non-Pacific	319.3 (313–325)	261.6 (256–267)	194.3 (190–198)	140.6 (136–144)
		65–74 years	Māori	3243.0 (3005–3480)	2856.4 (2632–3079)	2915.4 (2723–3107)	2648.6 (2464–2833)
			Pacific	2778.4 (2215–3341)	2714.4 (2256–3172)	2429.9 (2129–2730)	2484.8 (2174–2795)
			Non-Māori non-Pacific	2282.8 (2245–2320)	1986.9 (1952–2021)	1603.3 (1576–1630)	1136.4 (1110–1162)
	Ischaemic heart disease	35–64 years	Māori	396.5 (369–424)	393.6 (368–419)	375.1 (354–396)	357.1 (335–379)
			Pacific	268.5 (219–318)	294.9 (252–338)	236.0 (208–264)	250.1 (219–282)
			Non-Māori non-Pacific	247.3 (242–253)	201.8 (197–206)	144.4 (141–148)	103.9 (100–108)
		65–74 years	Māori	2119.4 (1928–2311)	1606.8 (1439–1774)	1946.5 (1790–2103)	1679.0 (1533–1825)
			Pacific	1679.9 (1244–2116)	1749.9 (1381–2118)	1320.9 (1103–1539)	1384.8 (1152–1617)
			Non-Māori non-Pacific	1598.9 (1567–1630)	1417.5 (1389–1446)	1115.5 (1093–1138)	784.3 (762–806)

(Continued)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Stroke	35–64 years	Māori	71.2 (59.5–82.8)	64.5 (54.3–74.7)	61.5 (53.1–69.9)	44.1 (36.5–51.7)
			Pacific	112.7 (79.3–146)	90.6 (67.3–114)	81.3 (64.4–98.3)	51.4 (36.8–65.9)
			Non-Māori non-Pacific	34.6 (32.6–36.6)	26.9 (25.2–28.6)	21.4 (20.0–22.8)	16.3 (14.9–17.8)
	Cancer	65–74 years	Māori	437.7 (350–525)	523.9 (428–620)	357.9 (290–425)	273.5 (214–333)
			Pacific	751.9 (458–1046)	719.1 (483–955)	533.8 (389–678)	612.6 (459–767)
			Non-Māori non-Pacific	385.6 (370–401)	298.8 (286–312)	248.6 (238–259)	168.8 (159–179)
Females	Lung cancer	35–64 years	Māori	303.1 (280–326)	316.7 (295–339)	336.4 (317–355)	344.1 (323–365)
			Pacific	200.0 (159–241)	242.4 (206–279)	220.6 (195–246)	246.7 (217–277)
			Non-Māori non-Pacific	178.5 (174–183)	177.1 (173–182)	176.8 (173–181)	157.4 (153–162)
	Breast cancer	65–74 years	Māori	1100.5 (966–1235)	1133.2 (1003–1263)	1167.9 (1056–1279)	1380.3 (1257–1503)
			Pacific	772.1 (499–1045)	800.8 (575–1027)	837.5 (680–995)	1017.2 (842–1192)
			Non-Māori non-Pacific	674.7 (656–693)	698.8 (680–717)	701.3 (685–718)	660.7 (642–680)
	Colorectal cancer	35–64 years	Māori	77.6 (65.6–89.6)	87.5 (75.8–99.2)	101.9 (91.2–112.5)	102.2 (90.6–113.8)
			Pacific	— —	27.0 (13.9–40.0)	20.1 (12.1–28.1)	27.1 (16.9–37.2)
			Non-Māori non-Pacific	18.2 (16.7–19.6)	21.7 (20.2–23.3)	23.0 (21.6–24.5)	20.4 (18.8–22.0)
	Cardiovascular disease	65–74 years	Māori	391.8 (312–472)	425.9 (346–506)	431.2 (364–498)	593.5 (513–674)
			Pacific	— —	— —	132.9 (69.7–196.2)	191.8 (116–268)
			Non-Māori non-Pacific	94.6 (87.6–101.6)	108.8 (1026–116)	126.5 (120–133)	122.7 (114–131)

(Continued)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Females	Ischaemic heart disease	35–64 years	Māori	190.4 (172–209)	174.0 (157–191)	178.1 (164–192)	133.7 (121–147)
			Pacific	135.8 (98.8–173)	103.2 (78.1–128)	83.4 (66.7–100)	64.6 (48.8–80.4)
			Non-Māori non-Pacific	68.3 (65.6–71.1)	53.3 (50.9–55.7)	38.0 (36.1–39.8)	23.7 (22.0–25.4)
	Stroke	65–74 years	Māori	1390.8 (1238–1543)	1267.1 (1129–1405)	1076.2 (969–1184)	947.7 (845–1050)
			Pacific	360.1 (173–548)	749.4 (525–974)	728.4 (582–875)	537.8 (411–664)
			Non-Māori non-Pacific	748.6 (729–768)	607.2 (590–624)	469.9 (457–483)	286.7 (274–299)
		35–64 years	Māori	91.8 (79.0–105)	71.1 (60.6–81.7)	65.6 (57.2–73.9)	48.3 (40.4–56.1)
			Pacific	68.9 (43.3–94.5)	60.5 (41.1–79.9)	61.0 (46.8–75.3)	50.6 (36.7–64.5)
			Non-Māori non-Pacific	30.3 (28.4–32.2)	21.3 (19.8–22.9)	19.1 (17.7–20.4)	13.8 (12.4–15.1)
		65–74 years	Māori	524.0 (431–617)	426.1 (346–506)	399.4 (334–465)	299.0 (242–356)
			Pacific	832.9 (549–1117)	511.3 (329–693)	451.3 (335–567)	423.6 (311–536)
			Non-Māori non-Pacific	287.6 (276–300)	225.4 (215–236)	170.6 (163–179)	121.7 (114–130)

Note: ‘—’ indicates insufficient data.

**Table 35:** Mortality rate in 1–14, 15–24 and 25–44-year-old males and females for unintentional injuries and motor vehicle accidents (prioritised series)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Unintentional injuries	1–14 years	Mäori	30.1 (25.5–34.7)	29.9 (25.3–34.6)	29.5 (25.3–33.6)	26.1 (21.8–30.5)
			Pacific	33.6 (23.8–43.4)	15.0 (8.8–21.2)	21.3 (15.3–27.4)	11.3 (6.4–16.3)
			Non-Mäori non-Pacific	20.4 (18.5–22.3)	16.8 (15.0–18.6)	12.9 (11.4–14.3)	9.2 (7.7–10.7)
	15–24 years		Mäori	127.1 (115–140)	128.5 (116–141)	123.3 (112–134)	90.9 (79.7–102)
			Pacific	100.5 (75.6–125)	105.1 (83.4–127)	67.3 (53.2–81.4)	59.1 (43.2–74.9)
			Non-Mäori non-Pacific	95.3 (90.7–100.0)	98.2 (93.5–103)	74.9 (71.0–78.8)	48.8 (44.8–52.9)
	25–44 years		Mäori	96.0 (85.0–107)	116.4 (105–128)	91.7 (83.1–100)	85.7 (76.6–94.7)
			Pacific	64.0 (47.3–80.6)	46.6 (34.7–58.5)	48.1 (38.3–57.9)	40.7 (30.4–51.1)
			Non-Mäori non-Pacific	48.9 (46.2–51.5)	51.8 (49.2–54.4)	45.3 (43.1–47.5)	33.7 (31.4–36.0)
Females	Road traffic crashes	1–14 years	Mäori	14.8 (11.6–18.0)	10.8 (8.0–13.6)	15.1 (12.1–18.1)	12.6 (9.5–15.6)
			Pacific	25.2 (16.7–33.7)	— —	8.6 (4.7–12.4)	— —
			Non-Mäori non-Pacific	8.2 (7.0–9.4)	8.1 (6.9–9.4)	6.7 (5.6–7.8)	4.5 (3.5–5.5)
	15–24 years		Mäori	89.3 (78.8–99.7)	95.3 (84.9–106)	103.8 (93.6–114)	66.3 (56.7–75.8)
			Pacific	83.2 (60.6–106)	67.2 (49.8–84.5)	40.9 (29.9–51.9)	36.6 (24.1–49.0)
			Non-Mäori non-Pacific	70.2 (66.3–74.2)	75.3 (71.1–79.4)	56.0 (52.6–59.3)	35.9 (32.5–39.4)
	25–44 years		Mäori	62.7 (53.8–71.6)	76.4 (67.4–85.5)	55.3 (48.7–61.9)	54.6 (47.5–61.8)
			Pacific	31.2 (19.5–42.9)	30.3 (20.9–39.7)	33.9 (25.7–42.1)	26.2 (17.9–34.5)
			Non-Mäori non-Pacific	25.8 (23.9–27.8)	31.5 (29.5–33.6)	27.4 (25.7–29.1)	19.1 (17.4–20.8)
Females	Unintentional injuries	1–14 years	Mäori	18.3 (14.7–21.9)	19.6 (15.8–23.5)	14.5 (11.5–17.4)	15.4 (12.0–18.8)
			Pacific	— —	11.3 (5.8–16.8)	11.6 (7.0–16.2)	5.7 (1.9–9.5)
			Non-Mäori non-Pacific	11.9 (10.4–13.4)	11.5 (10.0–13.0)	8.0 (6.8–9.1)	5.7 (4.5–6.9)
	15–24 years		Mäori	36.8 (30.1–43.4)	41.9 (34.9–48.8)	28.1 (22.9–33.3)	34.1 (27.4–40.8)
			Pacific	— —	26.9 (16.4–37.5)	18.9 (11.7–26.1)	13.3 (6.0–20.6)
			Non-Mäori non-Pacific	27.4 (24.9–30.0)	25.5 (23.0–27.9)	23.5 (21.2–25.7)	16.6 (14.2–19.0)
	25–44 years		Mäori	25.4 (19.6–31.2)	28.2 (22.8–33.6)	31.5 (26.6–36.4)	23.4 (18.9–27.9)
			Pacific	— —	19.2 (11.7–26.6)	10.0 (5.8–14.3)	11.7 (6.3–17.1)
			Non-Mäori non-Pacific	11.4 (10.1–12.7)	13.8 (12.5–15.2)	12.5 (11.3–13.6)	7.8 (6.8–8.9)
	Road traffic crashes	1–14 years	Mäori	12.1 (9.1–15.0)	11.3 (8.4–14.3)	8.4 (6.2–10.7)	9.8 (7.0–12.5)
			Pacific	— —	— —	— —	— —
			Non-Mäori non-Pacific	6.0 (4.9–7.1)	6.6 (5.4–7.7)	4.9 (4.0–5.8)	3.2 (2.3–4.1)
	15–24 years		Mäori	31.3 (25.2–37.5)	38.4 (31.8–45.0)	23.1 (18.4–27.8)	28.5 (22.3–34.6)
			Pacific	— —	— —	16.9 (10.1–23.7)	— —
			Non-Mäori non-Pacific	21.9 (19.6–24.1)	22.4 (20.1–24.7)	19.9 (17.8–22.0)	13.8 (11.6–16.0)
	25–44 years		Mäori	18.2 (13.4–23.0)	24.1 (19.1–29.1)	23.5 (19.3–27.6)	17.2 (13.4–21.0)
			Pacific	— —	— —	7.7 (3.9–11.5)	9.9 (4.9–14.9)
			Non-Mäori non-Pacific	7.1 (6.0–8.1)	10.6 (9.4–11.7)	8.9 (7.9–9.8)	6.0 (5.1–7.0)

Note: ‘—’ indicates insufficient data.

**Table 36:** Mortality rate in 15–24, 25–44 and 45–74-year-old males and females for suicide (prioritised series)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Suicide	15–24 years	Māori	13.5 (9.4–17.6)	46.5 (39.1–53.8)	58.8 (51.2–66.5)	64.0 (54.5–73.4)
			Pacific	— —	33.1 (21.0–45.3)	40.7 (29.7–51.7)	37.0 (24.4–49.6)
			Non-Māori non-Pacific	19.0 (16.9–21.1)	26.9 (24.4–29.4)	36.8 (34.0–39.5)	31.3 (28.1–34.5)
		25–44 years	Māori	16.3 (11.8–20.9)	18.2 (13.6–22.9)	29.3 (24.6–34.0)	54.6 (47.5–61.6)
			Pacific	16.7 (8.4–24.9)	19.9 (12.2–27.6)	18.5 (12.4–24.5)	25.9 (17.5–34.3)
			Non-Māori non-Pacific	20.9 (19.2–22.7)	23.7 (21.9–25.5)	28.0 (26.3–29.7)	32.2 (29.9–34.4)
		45–74 years	Māori	13.4 (7.4–19.4)	10.9 (5.9–15.9)	10.5 (6.6–14.5)	19.0 (12.9–25.0)
			Pacific	— —	— —	21.8 (11.4–32.1)	— —
			Non-Māori non-Pacific	23.8 (21.9–25.7)	26.7 (24.7–28.7)	25.1 (23.3–26.8)	23.3 (21.4–25.3)
Females	Suicide	15–24 years	Māori	4.5 (2.2–6.8)	14.0 (10.0–18.0)	15.9 (12.0–19.7)	23.0 (17.5–28.5)
			Pacific	— —	— —	— —	11.7 (4.8–18.6)
			Non-Māori non-Pacific	4.8 (3.7–5.9)	6.4 (5.2–7.6)	6.8 (5.6–8.0)	10.9 (8.9–12.8)
		25–44 years	Māori	5.3 (2.9–7.8)	— —	5.1 (3.2–7.0)	13.5 (10.1–17.0)
			Pacific	— —	— —	— —	7.8 (3.4–12.2)
			Non-Māori non-Pacific	7.5 (6.4–8.5)	6.9 (6.0–7.9)	7.0 (6.2–7.9)	7.9 (6.8–9.0)
		45–74 years	Māori	— —	— —	— —	— —
			Pacific	— —	— —	— —	— —
			Non-Māori non-Pacific	11.1 (9.8–12.4)	9.0 (7.8–10.1)	8.0 (7.0–9.0)	6.5 (5.5–7.5)

Note: ‘—’ indicates insufficient data.

**Table 37:** Cause-specific standardised mortality rates (sole series)

Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Category I	Māori	31.5 (27.6–35.4)	27.9 (24.5–31.3)	21.2 (18.8–23.6)	17.1 (14.4–19.7)
	Pacific	34.6 (26.0–43.3)	40.7 (32.8–48.6)	21.0 (17.1–24.9)	15.0 (11.5–18.6)
	Non-Māori non-Pacific	10.3 (9.9–10.7)	9.7 (9.3–10.1)	7.3 (7.0–7.6)	4.8 (4.5–5.1)
Category II	Māori	762.5 (743–782)	712.9 (696–730)	720.1 (706–734)	749.7 (732–767)
	Pacific	501.1 (468–534)	573.0 (543–603)	480.9 (462–500)	538.6 (516–561)
	Non-Māori non-Pacific	349.4 (347–352)	316.2 (314–318)	275.7 (274–278)	233.3 (231–235)
Category III	Māori	76.3 (71.7–81.0)	80.1 (75.8–84.3)	76.5 (72.9–80.0)	83.2 (78.5–88.0)
	Pacific	53.6 (46.1–61.1)	47.8 (41.6–54.1)	43.0 (38.8–47.2)	38.2 (33.5–43.0)
	Non-Māori non-Pacific	46.5 (45.5–47.4)	47.9 (46.9–48.9)	42.4 (41.6–43.2)	37.0 (36.1–38.0)

**Table 38:** Cause-specific standardised mortality rates, ages 1–74 years, by gender (sole series)

Gender	Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Category I	Māori	35.1 (29.2–41)	31.1 (26–36.2)	26.8 (22.9–30.8)	17.1 (13.2–21)
		Pacific	41.2 (27.1–55.3)	58.6 (45–72.2)	27.2 (20.4–34)	17.5 (11.9–23.1)
		Non-Māori non-Pacific	12.2 (11.5–12.8)	12.0 (11.4–12.7)	9.6 (9.1–10.1)	5.9 (5.5–6.4)
	Category II	Māori	870.0 (840.8–899.3)	826.1 (799.2–853)	823.7 (801.4–846)	869.4 (841.9–897)
		Pacific	636.0 (579.9–692.1)	707.9 (659.1–756.7)	601.1 (569.4–632.8)	679.2 (641.9–716.5)
		Non-Māori non-Pacific	450.8 (446.8–454.9)	403.6 (399.8–407.4)	345.4 (342.3–348.5)	287.8 (284.5–291.1)
	Category III	Māori	116.3 (108.1–124.5)	120.2 (112.7–127.7)	113.6 (107.5–119.6)	126.2 (117.9–134.6)
		Pacific	87.7 (74.2–101.2)	75.4 (63.7–87)	69.5 (61.8–77.2)	61.4 (52.8–70)
		Non-Māori non-Pacific	67.5 (65.9–69.2)	71.7 (70–73.4)	64.5 (63.1–66)	56.1 (54.5–57.7)
Females	Category I	Māori	27.9 (22.7–33.1)	24.6 (20.2–29.1)	16.1 (13.3–19)	17.0 (13.4–20.7)
		Pacific	28.9 (18.1–39.6)	23.7 (15.2–32.2)	15.7 (11.3–20.1)	12.9 (8.3–17.5)
		Non-Māori non-Pacific	8.7 (8.1–9.2)	7.6 (7.1–8.2)	5.1 (4.8–5.5)	3.7 (3.3–4)
	Category II	Māori	658.4 (633.4–683.4)	610.0 (588.1–631.8)	626.8 (608.5–645.1)	640.0 (617.6–662.3)
		Pacific	382.0 (343.1–420.9)	448.2 (411.6–484.8)	377.0 (354.1–399.9)	420.4 (393.9–447)
		Non-Māori non-Pacific	259.6 (256.6–262.5)	238.6 (235.8–241.4)	213.3 (210.9–215.7)	182.7 (180.2–185.3)
	Category III	Māori	36.9 (32.4–41.3)	40.8 (36.5–45.2)	40.3 (36.6–44)	42.3 (37.6–46.9)
		Pacific	18.2 (11.9–24.6)	21.4 (16.1–26.7)	18.1 (14.3–21.9)	16.7 (12.3–21.1)
		Non-Māori non-Pacific	25.2 (24.2–26.2)	23.9 (23–24.9)	20.4 (19.6–21.2)	18.4 (17.5–19.3)

**Table 39:** Standardised mortality rates, ages 1–74 years – specific causes (sole series)

Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Cancer	Mäori	207.1 (197–217)	205.1 (196–214)	217.3 (210–225)	249.5 (239–260)
	Pacific	148.1 (130–166)	179.0 (163–196)	148.3 (138–159)	181.1 (168–194)
	Non-Mäori non-Pacific	120.1 (119–122)	118.3 (117–120)	116.2 (115–117)	106.8 (105–108)
Lung cancer	Mäori	72.2 (66.1–78.2)	68.8 (63.3–74.2)	76.0 (71.3–80.7)	90.0 (83.8–96.2)
	Pacific	26.6 (18.9–34.4)	36.9 (29.3–44.6)	35.6 (30.2–40.9)	41.9 (35.5–48.2)
	Non-Mäori non-Pacific	25.4 (24.7–26.0)	24.5 (23.8–25.1)	23.0 (22.5–23.6)	19.6 (19.0–20.2)
Colorectal cancer	Mäori	10.9 (8.6–13.2)	12.1 (9.9–14.4)	12.5 (10.6–14.4)	15.9 (13.3–18.5)
	Pacific	1.4 (0.1–2.7)	7.5 (3.9–11.2)	7.0 (4.7–9.3)	14.1 (10.5–17.7)
	Non-Mäori non-Pacific	19.5 (18.9–20.1)	19.0 (18.4–19.6)	18.7 (18.1–19.2)	17.1 (16.5–17.6)
Cardiovascular disease	Mäori	377.84 (364.1–391.5)	337.83 (325.9–349.7)	323 (313.4–332.6)	310.21 (298.9–321.6)
	Pacific	242.67 (219.3–265.9)	266.2 (245.3–287.0)	221.09 (208.1–234.1)	218.47 (204.2–232.7)
	Non-Mäori non-Pacific	171.96 (170.2–173.6)	142.98 (141.4–144.5)	111.9 (110.7–113.1)	80.65 (79.4–81.8)
Ischaemic heart disease	Mäori	218.3 (208–229)	189.6 (181–199)	189.0 (182–196)	180.6 (172–189)
	Pacific	121.1 (105–137)	139.1 (124–154)	114.9 (106–124)	110.7 (101–121)
	Non-Mäori non-Pacific	118.2 (117–120)	98.8 (97.5–100)	74.6 (73.6–75.6)	52.6 (51.6–53.6)
Stroke	Mäori	62.1 (56.5–67.6)	53.3 (48.5–58.1)	47.0 (43.3–50.7)	38.8 (34.8–42.8)
	Pacific	72.9 (59.6–86.1)	61.7 (51.4–72.0)	53.2 (46.7–59.8)	46.9 (40.1–53.7)
	Non-Mäori non-Pacific	30.3 (29.6–31.0)	23.3 (22.7–23.9)	18.9 (18.4–19.4)	13.8 (13.3–14.3)
Respiratory diseases	Mäori	89.0 (82.5–95.6)	78.2 (72.4–83.9)	65.5 (61.1–69.9)	64.0 (58.7–69.3)
	Pacific	65.3 (52.9–77.6)	80.5 (68.8–92.1)	35.4 (30.1–40.7)	39.9 (33.7–46.2)
	Non-Mäori non-Pacific	29.4 (28.7–30.1)	27.3 (26.6–28.0)	19.4 (18.9–19.9)	17.1 (16.6–17.7)
Unintentional injuries	Mäori	65.5 (61.2–69.9)	63.3 (59.4–67.1)	57.0 (53.9–60.2)	53.4 (49.6–57.2)
	Pacific	39.3 (33.0–45.7)	35.0 (29.6–40.4)	28.2 (24.8–31.6)	24.6 (20.7–28.5)
	Non-Mäori non-Pacific	34.2 (33.3–35.0)	33.6 (32.8–34.4)	27.0 (26.4–27.7)	21.1 (20.4–21.8)
Motor vehicle accident	Mäori	40.2 (37.0–43.5)	42.3 (39.2–45.4)	37.9 (35.4–40.4)	33.3 (30.3–36.2)
	Pacific	20.7 (16.7–24.6)	16.5 (13.2–19.8)	17.6 (14.9–20.3)	13.8 (11.0–16.7)
	Non-Mäori non-Pacific	19.3 (18.7–19.9)	21.5 (20.9–22.2)	17.2 (16.6–17.7)	12.8 (12.3–13.4)
Suicide	Mäori	7.9 (6.4–9.3)	10.5 (9.1–11.9)	14.5 (13.1–16.0)	24.4 (21.9–26.9)
	Pacific	7.4 (4.7–10.0)	8.5 (6.3–10.8)	10.8 (8.7–13.0)	9.7 (7.4–11.9)
	Non-Mäori non-Pacific	11.2 (10.7–11.6)	12.6 (12.1–13.1)	13.7 (13.3–14.2)	14.7 (14.2–15.3)

**Table 40:** Standardised mortality rates, ages 1–74 years, by gender – specific causes (sole series)

Gender	Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Cancer	Māori	222.9 (208–238)	221.7 (208–236)	236.4 (224–248)	262.3 (247–278)
		Pacific	193.4 (162–225)	220.7 (193–248)	169.3 (152–186)	207.7 (187–228)
		Non-Māori non-Pacific	137.3 (135–140)	133.0 (131–135)	129.5 (128–131)	116.9 (115–119)
	Lung cancer	Māori	91.5 (81.8–101)	81.1 (72.3–89.8)	90.7 (83.0–98.3)	99.6 (90.1–109)
		Pacific	52.2 (35.5–68.9)	56.2 (42.5–69.9)	59.7 (49.4–70.0)	66.0 (54.1–77.9)
		Non-Māori non-Pacific	40.8 (39.6–42.1)	36.6 (35.5–37.7)	31.8 (30.9–32.8)	25.2 (24.3–26.2)
	Prostate cancer	Māori	12.6 (8.8–16.4)	14.8 (10.9–18.7)	16.2 (12.8–19.7)	18.1 (13.8–22.4)
		Pacific	17.2 (6.6–27.8)	20.8 (11.2–30.4)	13.7 (8.2–19.1)	11.5 (6.3–16.7)
		Non-Māori non-Pacific	8.8 (8.3–9.4)	8.9 (8.4–9.5)	9.8 (9.2–10.3)	8.7 (8.2–9.3)
	Colorectal cancer	Māori	14.1 (10.3–17.8)	14.6 (11.1–18.2)	14.9 (11.8–18.0)	19.7 (15.5–24.0)
		Pacific	1.6 (0.5–3.7)	11.3 (4.7–17.9)	8.2 (4.6–11.7)	18.6 (12.3–24.8)
		Non-Māori non-Pacific	21.6 (20.7–22.5)	21.1 (20.2–22.0)	21.8 (21.0–22.6)	20.0 (19.1–20.9)
	Cardiovascular disease	Māori	447.5 (426.3–468.6)	406.1 (387.3–425.0)	400.0 (384.5–415.5)	398.0 (379.4–416.6)
		Pacific	306.3 (268.0–344.7)	336.5 (303.0–370.0)	292.1 (270.2–313.9)	298.0 (273.4–322.6)
		Non-Māori non-Pacific	241.3 (238.3–244.2)	204.3 (201.6–207.0)	159.2 (157.1–161.3)	116.4 (114.3–118.5)
	Ischaemic heart disease	Māori	279.7 (263–296)	243.0 (228–258)	253.6 (241–266)	249.0 (234–264)
		Pacific	179.3 (150–209)	201.9 (175–229)	161.3 (145–177)	174.0 (155–193)
		Non-Māori non-Pacific	176.3 (174–179)	149.9 (148–152)	112.9 (111–115)	82.1 (80.4–83.9)
	Stroke	Māori	55.5 (48.0–63.1)	55.1 (47.9–62.3)	45.1 (39.8–50.3)	36.0 (30.4–41.7)
		Pacific	77.4 (57.6–97.1)	72.4 (56.2–88.6)	59.3 (49.0–69.5)	53.5 (42.6–64.4)
		Non-Māori non-Pacific	33.9 (32.8–35.0)	26.5 (25.5–27.4)	21.7 (20.9–22.4)	15.6 (14.9–16.4)
	Respiratory diseases	Māori	97.6 (87.8–107)	83.1 (74.4–91.7)	64.5 (58.0–70.9)	62.0 (54.3–69.8)
		Pacific	89.4 (67.0–112)	111.1 (90.9–131)	47.8 (38.2–57.3)	62.9 (51.0–74.9)
		Non-Māori non-Pacific	40.6 (39.4–41.8)	35.0 (34.0–36.1)	24.0 (23.2–24.8)	20.4 (19.5–21.2)
	Unintentional injuries	Māori	100.3 (92.6–108)	92.7 (86.1–99.3)	83.1 (77.8–88.4)	80.0 (73.3–86.7)
		Pacific	66.4 (54.8–78.0)	54.0 (44.0–64.1)	44.2 (38.1–50.3)	38.7 (31.7–45.7)
		Non-Māori non-Pacific	49.9 (48.5–51.3)	49.9 (48.5–51.3)	40.3 (39.2–41.4)	31.6 (30.4–32.8)
	Motor vehicle accident	Māori	58.5 (52.9–64.0)	58.0 (52.8–63.2)	53.7 (49.5–57.9)	46.7 (41.7–51.7)
		Pacific	35.0 (27.5–42.4)	23.6 (18.4–28.7)	25.2 (20.7–29.8)	19.7 (14.9–24.6)
		Non-Māori non-Pacific	27.7 (26.7–28.8)	30.8 (29.7–31.9)	24.5 (23.6–25.4)	18.2 (17.3–19.1)
	Suicide	Māori	12.0 (9.4–14.7)	17.7 (15.0–20.4)	23.5 (21.0–26.1)	37.7 (33.2–42.1)
		Pacific	10.2 (6.0–14.4)	14.2 (10.1–18.3)	19.3 (15.3–23.3)	16.2 (12.0–20.4)
		Non-Māori non-Pacific	16.3 (15.5–17.1)	19.5 (18.7–20.4)	22.1 (21.2–22.9)	23.1 (22.1–24.2)

(Continued)

Gender	Cause	Ethnic group	1980–84	1985–89	1990–95	1996–99
Females	Cancer	Māori	192.1 (179–205)	191.4 (179–203)	201.5 (191–212)	239.2 (226–253)
		Pacific	112.6 (92.0–133)	141.8 (122–161)	132.7 (119–146)	160.2 (144–176)
		Non-Māori non-Pacific	105.8 (104–108)	106.2 (104–108)	105.2 (103–107)	97.8 (95.9–99.8)
	Lung cancer	Māori	53.4 (46.2–60.7)	58.0 (51.2–64.9)	63.4 (57.6–69.3)	81.6 (73.5–89.7)
		Pacific	4.8 (1.1–8.5)	18.9 (11.2–26.5)	14.8 (10.1–19.4)	21.3 (15.2–27.5)
		Non-Māori non-Pacific	11.6 (11.0–12.3)	13.7 (13.0–14.3)	15.2 (14.5–15.8)	14.4 (13.7–15.1)
	Breast cancer	Māori	33.8 (28.5–39.1)	32.9 (28.1–37.7)	31.9 (27.9–35.9)	43.0 (37.5–48.4)
		Pacific	14.2 (8.2–20.2)	37.1 (28.1–46.1)	27.5 (21.9–33.0)	43.9 (35.7–52.1)
		Non-Māori non-Pacific	24.5 (23.6–25.5)	25.0 (24.0–25.9)	23.9 (23.1–24.7)	21.8 (20.9–22.7)
	Colorectal cancer	Māori	7.7 (5.1–10.3)	9.8 (7.0–12.6)	10.5 (8.1–12.8)	12.6 (9.4–15.7)
		Pacific	1.1 (0.3–2.6)	4.0 (0.5–7.4)	5.9 (3.0–8.7)	10.6 (6.4–14.9)
		Non-Māori non-Pacific	17.6 (16.8–18.4)	17.2 (16.4–17.9)	15.8 (15.2–16.5)	14.4 (13.6–15.1)
	Cardiovascular disease	Māori	310.1 (292.5–327.7)	274.2 (259.2–289.1)	251.7 (240.0–263.5)	228.3 (214.8–241.8)
		Pacific	179.5 (151.8–207.1)	198.8 (173.3–224.3)	156.7 (141.6–171.9)	149.5 (133.4–165.5)
		Non-Māori non-Pacific	109.5 (107.6–111.3)	87.4 (85.8–89.0)	68.5 (67.2–69.8)	47.0 (45.7–48.3)
	Ischaemic heart disease	Māori	158.3 (145–171)	138.9 (128–150)	129.3 (121–138)	116.9 (107–127)
		Pacific	64.6 (48.2–81.0)	80.5 (64.1–96.9)	71.5 (61.1–82.0)	55.0 (45.1–64.9)
		Non-Māori non-Pacific	65.4 (64.0–66.8)	52.3 (51.0–53.5)	39.3 (38.4–40.3)	24.7 (23.8–25.6)
	Stroke	Māori	68.6 (60.4–76.8)	52.1 (45.6–58.7)	48.8 (43.6–54.0)	41.4 (35.7–47.2)
		Pacific	67.5 (49.8–85.3)	51.6 (38.5–64.7)	47.9 (39.4–56.4)	41.9 (33.2–50.5)
		Non-Māori non-Pacific	27.2 (26.3–28.1)	20.5 (19.7–21.3)	16.4 (15.8–17.1)	12.1 (11.5–12.8)
	Respiratory diseases	Māori	80.8 (72.2–89.4)	74.0 (66.4–81.7)	66.9 (60.8–72.9)	66.4 (59.1–73.8)
		Pacific	45.0 (31.5–58.4)	53.0 (40.1–65.8)	25.8 (19.9–31.7)	21.8 (15.8–27.9)
		Non-Māori non-Pacific	19.9 (19.1–20.7)	20.8 (20.0–21.6)	15.6 (15.0–16.3)	14.2 (13.5–14.9)
	Unintentional injuries	Māori	31.2 (27.1–35.4)	34.5 (30.4–38.6)	31.6 (28.2–34.9)	27.9 (24.0–31.7)
		Pacific	11.7 (6.5–16.8)	16.7 (11.9–21.5)	13.2 (9.9–16.4)	11.5 (7.8–15.2)
		Non-Māori non-Pacific	18.1 (17.3–19.0)	17.1 (16.3–17.9)	13.8 (13.1–14.5)	10.9 (10.2–11.6)
	Motor vehicle accident	Māori	22.2 (18.8–25.5)	27.1 (23.5–30.7)	22.3 (19.5–25.1)	20.3 (17.1–23.6)
		Pacific	6.0 (3.7–8.4)	9.7 (5.7–13.7)	10.6 (7.6–13.5)	8.5 (5.3–11.7)
		Non-Māori non-Pacific	10.7 (10.1–11.4)	12.1 (11.4–12.8)	9.9 (9.3–10.5)	7.5 (7.0–8.1)
	Suicide	Māori	3.8 (2.5–5.1)	3.4 (2.4–4.4)	5.8 (4.6–7.1)	11.8 (9.4–14.2)
		Pacific	4.3 (1.1–7.6)	3.0 (1.1–4.9)	3.0 (1.4–4.6)	3.6 (1.6–5.5)
		Non-Māori non-Pacific	6.1 (5.6–6.6)	5.7 (5.3–6.2)	5.5 (5.1–5.9)	6.6 (6.0–7.1)

**Table 41:** Cause-specific mortality rates, by age group (sole series)

Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Category I	1–14 years	Māori	5.6 (3.8–7.3)	5.0 (3.3–6.7)	4.6 (3.2–5.9)	3.9 (2.2–5.6)
		Pacific	8.7 (5.0–12.5)	11.4 (6.9–15.8)	6.8 (4.2–9.5)	4.3 (1.7–7.0)
		Non-Māori non-Pacific	3.0 (2.5–3.5)	2.7 (2.2–3.2)	2.6 (2.2–3.1)	1.7 (1.3–2.1)
	15–24 years	Māori	4.1 (2.3–5.9)	2.2 (0.9–3.5)	4.2 (2.5–5.8)	2.4 (0.6–4.3)
		Pacific	1.6 (0.6–3.9)	5.1 (1.5–8.7)	1.9 (0.2–3.6)	7.0 (2.5–11.4)
		Non-Māori non-Pacific	2.1 (1.7–2.6)	2.1 (1.6–2.6)	1.5 (1.1–1.9)	1.1 (0.7–1.5)
	25–44 years	Māori	311.9 (295–328)	297.0 (282–312)	289.9 (278–302)	287.7 (273–303)
		Pacific	196.0 (174–218)	206.8 (187–226)	186.8 (172–201)	202.9 (185–221)
		Non-Māori non-Pacific	130.4 (127–134)	124.9 (122–128)	113.8 (111–116)	103.2 (101–106)
	45–64 years	Māori	56.7 (46.0–67.4)	57.6 (47.8–67.4)	41.2 (34.3–48.0)	25.3 (18.8–31.8)
		Pacific	49.8 (29.5–70.0)	75.9 (55.2–96.7)	23.1 (14.6–31.7)	32.4 (20.9–43.8)
		Non-Māori non-Pacific	15.6 (14.4–16.8)	13.9 (12.8–15.0)	10.0 (9.1–10.8)	6.7 (5.9–7.5)
	65–74 years	Māori	280.1 (223–337)	222.7 (176–270)	152.1 (120–184)	158.5 (120–197)
		Pacific	315.1 (182–448)	347.6 (231–464)	188.9 (130–248)	87.8 (45.4–130)
		Non-Māori non-Pacific	91.8 (86.8–96.8)	84.1 (79.4–88.8)	49.3 (46.1–52.4)	32.1 (29.2–35.1)
Category II	1–14 years	Māori	20.2 (16.9–23.4)	16.9 (13.8–20.1)	14.2 (11.6–16.7)	18.2 (14.2–22.1)
		Pacific	29.8 (23.0–36.6)	24.6 (18.1–31.1)	22.2 (17.3–27.1)	15.1 (10.0–20.3)
		Non-Māori non-Pacific	15.2 (14.1–16.3)	15.2 (14.0–16.4)	10.8 (9.9–11.7)	10.7 (9.7–11.8)
	15–24 years	Māori	51.2 (44.7–57.7)	29.1 (24.4–33.9)	29.9 (25.5–34.3)	32.7 (26.0–39.4)
		Pacific	43.6 (31.9–55.3)	45.7 (34.8–56.5)	25.8 (19.2–32.4)	40.0 (29.3–50.7)
		Non-Māori non-Pacific	24.3 (22.7–25.9)	21.2 (19.6–22.7)	19.0 (17.7–20.4)	17.0 (15.4–18.5)
	25–44 years	Māori	218.7 (205–233)	193.3 (181–206)	190.2 (180–200)	175.3 (163–187)
		Pacific	126.5 (109–144)	153.6 (137–171)	127.9 (116–140)	152.0 (136–168)
		Non-Māori non-Pacific	79.9 (77.5–82.4)	68.6 (66.5–70.7)	58.7 (57.0–60.4)	53.5 (51.6–55.4)
	45–64 years	Māori	1762.0 (1702–1822)	1727.6 (1674–1781)	1714.8 (1671–1759)	1749.1 (1694–1804)
		Pacific	1116.5 (1017–1216)	1232.2 (1147–1318)	1020.1 (964–1076)	1131.2 (1064–1199)
		Non-Māori non-Pacific	728.2 (720–737)	648.8 (641–657)	556.8 (550–563)	474.0 (467–481)
	65–74 years	Māori	5793.5 (5538–6049)	5244.9 (5017–5473)	5452.6 (5261–5644)	5921.3 (5688–6155)
		Pacific	3952.5 (3491–4414)	4695.4 (4262–5128)	4032.8 (3767–4299)	4519.2 (4218–4821)
		Non-Māori non-Pacific	3038.9 (3010–3068)	2804.8 (2778–2832)	2496.3 (2474–2519)	2069.4 (2045–2093)

(Continued)

Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Category III	1–14 years	Mäori	30.5 (26.5–34.5)	28.7 (24.6–32.7)	28.9 (25.3–32.5)	38.4 (32.7–44.1)
		Pacific	23.7 (17.6–29.7)	17.5 (12.0–23.0)	20.6 (15.9–25.3)	9.3 (5.3–13.3)
		Non-Mäori non-Pacific	17.0 (15.8–18.3)	15.9 (14.7–17.1)	11.9 (11.0–12.9)	9.4 (8.4–10.4)
	15–24 years	Mäori	102.5 (93.3–112)	124.8 (115–135)	122.9 (114–132)	131.1 (118–145)
		Pacific	69.6 (54.8–84.3)	74.6 (60.7–88.4)	67.0 (56.4–77.5)	57.9 (45.0–70.8)
		Non-Mäori non-Pacific	76.6 (73.7–79.5)	84.6 (81.5–87.6)	75.0 (72.3–77.7)	59.5 (56.6–62.4)
	25–44 years	Mäori	83.4 (75.1–91.6)	95.5 (87.5–103)	90.5 (84.0–97.0)	104.5 (95.5–113)
		Pacific	51.8 (40.9–62.7)	46.0 (37.2–54.8)	44.3 (37.5–51.0)	45.6 (37.1–54.0)
		Non-Mäori non-Pacific	46.7 (44.8–48.5)	51.2 (49.4–53.0)	48.4 (46.8–50.0)	45.2 (43.4–47.0)
	45–64 years	Mäori	85.6 (72.9–98.2)	78.6 (67.3–89.9)	73.8 (64.8–82.8)	72.2 (61.2–83.2)
		Pacific	71.7 (48.0–95.4)	53.3 (36.0–70.5)	47.1 (35.2–59.1)	49.7 (36.1–63.4)
		Non-Mäori non-Pacific	48.2 (46.0–50.4)	46.9 (44.7–49.0)	41.1 (39.3–43.0)	37.0 (35.1–38.9)
	65–74 years	Mäori	131.9 (93.1–171)	95.3 (64.8–126)	80.9 (57.3–104)	61.6 (37.8–85.4)
		Pacific	83.3 (19.5–147)	93.2 (32.5–154)	48.4 (20.7–76.1)	25.6 (3.3–47.8)
		Non-Mäori non-Pacific	79.2 (74.5–83.9)	64.7 (60.6–68.8)	50.9 (47.6–54.1)	48.4 (44.7–52.1)

**Table 42:** Mortality rate in 35–64 and 65–74-year-old males and females for cancers and cardiovascular diseases (sole series)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Cancer	35–64 years	Mäori	351.3 (322–381)	338.5 (313–364)	344.8 (323–366)	384.5 (357–412)
			Pacific	295.2 (239–351)	294.1 (250–338)	217.2 (189–245)	275.6 (240–312)
			Non-Mäori non-Pacific	198.3 (194–203)	185.0 (181–189)	174.3 (170–178)	159.7 (155–164)
		65–74 years	Mäori	1600.5 (1410–1791)	1757.9 (1563–1953)	1947.8 (1779–2117)	2139.7 (1930–2349)
			Pacific	1573.7 (1130–2018)	1928.7 (1521–2336)	1575.6 (1323–1829)	1843.0 (1552–2134)
			Non-Mäori non-Pacific	1129.8 (1103–1156)	1143.8 (1118–1170)	1160.3 (1137–1183)	1034.8 (1010–1060)
	Lung cancer	35–64 years	Mäori	142.6 (124–161)	111.9 (96.9–127)	125.0 (112–138)	141.9 (125–159)
			Pacific	79.7 (50.9–109)	92.3 (66.4–118)	80.1 (62.8–97.5)	85.7 (65.3–106)
			Non-Mäori non-Pacific	57.6 (55.1–60.1)	51.1 (48.8–53.5)	41.2 (39.3–43.1)	31.3 (29.4–33.3)
		65–74 years	Mäori	744.3 (615–874)	756.0 (629–883)	852.2 (740–965)	909.8 (774–1046)
			Pacific	442.2 (199–685)	433.9 (248–620)	576.2 (424–728)	655.7 (481–830)
			Non-Mäori non-Pacific	376.2 (361–391)	339.8 (326–354)	316.6 (305–329)	259.2 (247–272)
	Prostate cancer	35–64 years	Mäori	14.4 (8.2–20.6)	16.9 (10.8–23.0)	15.8 (11.0–20.5)	13.7 (8.4–19.1)
			Pacific	— —	— —	— —	— —
			Non-Mäori non-Pacific	6.8 (6.0–7.7)	6.8 (6.0–7.7)	7.3 (6.5–8.1)	7.0 (6.1–8.0)
		65–74 years	Mäori	137.5 (80.3–194.7)	162.5 (103–222)	195.5 (140–250)	242.7 (172–314)
			Pacific	— —	309.8 (144–475)	207.9 (113–303)	164.1 (77.9–250.3)
			Non-Mäori non-Pacific	117.0 (109–125)	119.7 (111–128)	131.2 (123–139)	114.1 (106–122)
	Colorectal cancer	35–64 years	Mäori	21.4 (14.4–28.4)	25.9 (18.7–33.1)	18.7 (13.8–23.6)	28.8 (21.1–36.4)
			Pacific	— —	— —	— —	16.5 (8.1–24.9)
			Non-Mäori non-Pacific	35.1 (33.1–37.1)	34.1 (32.1–36.0)	33.2 (31.5–35.0)	28.7 (26.8–30.5)
		65–74 years	Mäori	113.3 (62.3–164.2)	94.1 (49.3–138.8)	144.6 (98.7–190.5)	171.2 (112–231)
			Pacific	— —	— —	— —	220.0 (121–319)
			Non-Mäori non-Pacific	163.9 (154–174)	163.4 (154–173)	181.7 (173–191)	177.0 (167–187)
	Cardiovascular disease	35–64 years	Mäori	698.3 (658–739)	663.0 (627–699)	639.1 (610–668)	639.6 (604–675)
			Pacific	439.1 (374–504)	508.6 (450–567)	426.9 (388–466)	410.8 (367–454)
			Non-Mäori non-Pacific	322.0 (316–328)	263.5 (258–269)	195.7 (191–200)	146.9 (143–151)
		65–74 years	Mäori	3520.9 (3237–3804)	3011.6 (2757–3266)	3042.9 (2831–3254)	3067.5 (2818–3317)
			Pacific	2647.9 (2088–3207)	2687.7 (2207–3169)	2458.9 (2148–2769)	2660.1 (2311–3010)
			Non-Mäori non-Pacific	2287.5 (2250–2325)	1992.1 (1958–2026)	1608.2 (1581–1635)	1151.9 (1126–1178)
	Ischaemic heart disease	35–64 years	Mäori	430.5 (399–462)	421.9 (393–451)	396.8 (374–420)	410.9 (382–439)
			Pacific	254.5 (205–304)	304.4 (258–350)	241.6 (213–271)	254.7 (221–289)
			Non-Mäori non-Pacific	249.4 (244–255)	203.2 (199–208)	145.4 (142–149)	108.4 (105–112)
		65–74 years	Mäori	2300.7 (2072–2530)	1694.2 (1503–1886)	2031.5 (1859–2204)	1896.0 (1700–2092)
			Pacific	1599.5 (1167–2032)	1735.0 (1347–2123)	1334.7 (1110–1559)	1489.5 (1227–1752)
			Non-Mäori non-Pacific	1602.2 (1571–1634)	1421.3 (1392–1450)	1118.9 (1096–1141)	796.0 (774–818)

(Continued)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Stroke	35–64 years	Māori	77.6 (63.9–91.3)	69.2 (57.7–80.8)	65.1 (55.8–74.4)	51.6 (41.5–61.6)
			Pacific	106.7 (73.9–140)	93.4 (68.5–118)	83.2 (65.7–101)	51.6 (35.9–67.3)
			Non-Māori non-Pacific	34.9 (32.9–36.9)	27.1 (25.4–28.8)	21.6 (20.2–23.0)	17.0 (15.5–18.4)
	Cancer	65–74 years	Māori	475.5 (371–580)	552.4 (443–662)	373.4 (299–448)	306.6 (227–386)
			Pacific	717.2 (425–1010)	712.6 (464–961)	541.2 (392–691)	647.8 (476–820)
			Non-Māori non-Pacific	386.4 (371–402)	299.5 (286–313)	249.3 (239–260)	171.0 (161–181)
Females	Lung cancer	35–64 years	Māori	330.8 (304–358)	342.7 (318–368)	364.7 (343–386)	411.1 (383–439)
			Pacific	192.1 (151–233)	250.1 (211–290)	227.3 (200–254)	257.5 (224–291)
			Non-Māori non-Pacific	180.0 (175–185)	178.3 (174–183)	177.6 (174–182)	162.1 (158–167)
	Breast cancer	65–74 years	Māori	1209.5 (1047–1372)	1182.3 (1035–1329)	1214.3 (1092–1337)	1590.2 (1427–1753)
			Pacific	732.1 (463–1001)	828.2 (580–1076)	865.4 (700–1031)	1090.7 (893–1289)
			Non-Māori non-Pacific	676.8 (658–695)	701.0 (683–719)	703.4 (687–720)	668.0 (649–687)
	Colorectal cancer	35–64 years	Māori	85.0 (70.8–99.1)	94.7 (81.3–108.2)	109.9 (97.9–121.9)	123.2 (107–139)
			Pacific	— —	27.9 (13.9–41.9)	20.6 (12.3–28.9)	28.1 (16.8–39.3)
			Non-Māori non-Pacific	18.3 (16.9–19.7)	21.8 (20.3–23.4)	23.1 (21.7–24.6)	21.2 (19.6–22.8)
	Cardiovascular disease	65–74 years	Māori	430.7 (334–528)	444.4 (355–534)	448.9 (375–523)	693.0 (585–801)
			Pacific	— —	— —	137.5 (71–204)	204.7 (118–291)
			Non-Māori non-Pacific	94.9 (87.9–101.8)	109.2 (102–116)	126.9 (120–134)	125.2 (117–133)

(Continued)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Females	Ischaemic heart disease	35–64 years	Māori	208.1 (186–230)	188.3 (169–207)	192.0 (176–208)	160.4 (143–178)
			Pacific	129.1 (92.4–166)	107.3 (80.4–134)	85.5 (68.1–103)	66.5 (49.2–83.8)
			Non-Māori non-Pacific	68.8 (66.1–71.6)	53.6 (51.2–56.0)	38.2 (36.3–40.0)	24.7 (23.0–26.4)
	Stroke	65–74 years	Māori	1539.4 (1353–1726)	1321.7 (1166–1477)	1117.9 (1000–1236)	1097.1 (961–1233)
			Pacific	341.4 (157–526)	772.0 (527–1017)	752.7 (598–907)	562.5 (421–704)
			Non-Māori non-Pacific	750.8 (731–770)	609.0 (592–626)	471.3 (458–485)	290.9 (279–303)

Note: ‘—’ indicates insufficient data.

**Table 43:** Mortality rate in 1–14, 15–24 and 25–44-year-old males and females for unintentional injuries and motor vehicle accidents (sole series)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Unintentional injuries	1–14 years	Māori	34.8 (28.8–40.8)	31.1 (25.2–37.1)	33.5 (28.1–38.9)	36.8 (29.1–44.4)
			Pacific	29.3 (20.1–38.6)	16.0 (8.7–23.4)	22.8 (16.0–29.7)	9.3 (3.9–14.7)
			Non-Māori non-Pacific	20.5 (18.6–22.4)	17.5 (15.7–19.2)	13.0 (11.6–14.4)	10.4 (8.9–11.8)
		15–24 years	Māori	136.6 (121–152)	126.3 (113–140)	124.5 (112–137)	105.7 (88.6–123)
			Pacific	96.4 (71.6–121)	88.8 (66.9–111)	67.7 (52.5–83.0)	59.0 (40.4–77.7)
			Non-Māori non-Pacific	96.5 (92.0–101)	101.6 (97.0–106)	76.5 (72.7–80.4)	52.5 (48.6–56.4)
		25–44 years	Māori	106.4 (93.1–120)	123.3 (110–136)	99.2 (89.3–109)	96.9 (84.4–109)
			Pacific	63.1 (46.3–79.8)	44.6 (32.4–56.8)	49.9 (39.6–60.3)	37.7 (26.6–48.7)
			Non-Māori non-Pacific	49.4 (46.7–52.0)	52.8 (50.2–55.4)	45.6 (43.5–47.8)	36.5 (34.2–38.7)
	Road traffic crashes	1–14 years	Māori	16.9 (12.7–21.0)	11.3 (7.7–14.9)	17.2 (13.3–21.1)	18.2 (12.8–23.7)
			Pacific	22.0 (14.0–30.0)	— —	9.1 (4.7–13.5)	— —
			Non-Māori non-Pacific	8.3 (7.1–9.5)	8.4 (7.2–9.6)	6.8 (5.8–7.8)	4.8 (3.9–5.8)
		15–24 years	Māori	95.9 (83.2–109)	93.7 (81.8–106)	104.9 (93.2–117)	78.8 (64.0–93.5)
			Pacific	79.7 (57.2–102)	56.8 (39.3–74.3)	41.0 (29.1–52.8)	32.7 (18.8–46.6)
			Non-Māori non-Pacific	71.1 (67.2–75.0)	77.9 (73.8–82.0)	57.2 (53.8–60.5)	38.5 (35.2–41.9)
		25–44 years	Māori	69.4 (58.7–80.1)	80.7 (70.3–91.1)	59.7 (52.1–67.3)	60.9 (51.0–70.7)
			Pacific	30.8 (19.0–42.6)	28.7 (19.1–38.3)	35.2 (26.6–43.9)	23.3 (14.6–32.0)
			Non-Māori non-Pacific	26.1 (24.2–28.0)	32.2 (30.1–34.2)	27.6 (25.9–29.3)	20.9 (19.2–22.6)
Females	Unintentional injuries	1–14 years	Māori	21.2 (16.5–26.0)	20.5 (15.6–25.4)	16.5 (12.7–20.4)	23.0 (16.7–29.4)
			Pacific	— —	12.3 (5.7–18.9)	12.5 (7.2–17.8)	6.5 (1.7–11.4)
			Non-Māori non-Pacific	12.0 (10.5–13.4)	12.0 (10.5–13.4)	8.0 (6.9–9.2)	6.0 (4.8–7.1)
		15–24 years	Māori	39.8 (31.6–47.9)	42.2 (34.1–50.3)	29.8 (23.6–36.1)	43.7 (32.6–54.8)
			Pacific	— —	22.8 (12.2–33.4)	19.2 (11.3–27.1)	— —
			Non-Māori non-Pacific	27.7 (25.2–30.2)	26.2 (23.8–28.6)	23.7 (21.5–25.9)	17.7 (15.4–20.0)
		25–44 years	Māori	28.0 (21.1–34.8)	30.3 (24.0–36.6)	35.1 (29.4–40.9)	26.9 (20.5–33.2)
			Pacific	18.2 (10.6–25.9)	10.5 (5.9–15.0)	12.4 (6.2–18.5)	8.5 (7.4–9.5)
			Non-Māori non-Pacific	11.5 (10.2–12.8)	14.1 (12.7–15.4)	12.5 (11.4–13.6)	— —
	Road traffic crashes	1–14 years	Māori	13.9 (10.1–17.8)	11.8 (8.1–15.6)	9.6 (6.6–12.6)	14.1 (9.1–19.1)
			Pacific	— —	— —	— —	— —
			Non-Māori non-Pacific	6.0 (5.0–7.0)	6.8 (5.7–7.9)	4.9 (4.1–5.8)	3.4 (2.6–4.3)
		15–24 years	Māori	33.9 (26.4–41.4)	38.7 (31.0–46.5)	24.4 (18.8–30.1)	36.5 (26.4–46.7)
			Pacific	— —	— —	17.1 (9.7–24.5)	— —
		25–44 years	Non-Māori non-Pacific	22.1 (19.8–24.3)	23.1 (20.8–25.3)	20.1 (18.1–22.1)	14.5 (12.4–16.6)

Note: ‘—’ indicates insufficient data.

**Table 44:** Mortality rate in 15–24, 25–44 and 45–74-year-old males and females for suicide (sole series)

Gender	Cause	Age group	Ethnic group	1980–84	1985–89	1990–95	1996–99
Males	Suicide	15–24 years	Mäori	14.52 (9.51–19.54)	45.59 (37.28–53.9)	59.59 (50.78–68.4)	72.88 (58.69–87.06)
			Pacific	— —	28.15 (15.87–40.44)	41.14 (29.22–53.06)	37.22 (22.36–52.09)
			Non-Mäori non-Pacific	19.26 (17.22–21.3)	27.81 (25.36–30.26)	37.56 (34.87–40.26)	33.96 (30.83–37.08)
		25–44 years	Mäori	18.14 (12.65–23.63)	19.45 (14.06–24.83)	31.44 (26.05–36.83)	57.98 (48.41–67.54)
			Pacific	16.38 (8.09–24.68)	18.91 (11.04–26.77)	19.16 (12.78–25.55)	22.85 (14.1–31.61)
			Non-Mäori non-Pacific	21.15 (19.4–22.91)	24.13 (22.36–25.9)	28.17 (26.47–29.88)	35.02 (32.78–37.25)
		45–74 years	Mäori	14.39 (7.33–21.46)	11.58 (5.91–17.25)	11.2 (6.78–15.63)	21.34 (13.3–29.38)
			Pacific	— —	— —	22.21 (11.5–32.92)	— —
			Non-Mäori non-Pacific	23.94 (22.05–25.83)	26.87 (24.87–28.88)	25.23 (23.5–26.96)	23.83 (21.91–25.75)
Females	Suicide	15–24 years	Mäori	4.89 (2.07–7.7)	14.07 (9.4–18.74)	16.82 (12.12–21.52)	26.46 (17.86–35.05)
			Pacific	— —	— —	— —	(1.2–14.6)
			Non-Mäori non-Pacific	4.83 (3.78–5.87)	6.58 (5.37–7.79)	6.89 (5.72–8.06)	12.05 (10.16–13.94)
		25–44 years	Mäori	5.95 (2.99–8.91)	— —	5.64 93.42–7.85	15.14 (10.34–19.94)
			Pacific	— —	— —	— —	— —
			Non-Mäori non-Pacific	7.55 (6.5–8.6)	7.02 (6.07–7.98)	7.01 (6.18–7.85)	8.58 (7.5–9.65)
		45–74 years	Mäori	— —	— —	— —	— —
			Pacific	— —	— —	— —	— —
			Non-Mäori non-Pacific	11.19 (9.89–12.48)	9.01 (7.86–10.16)	8.02 (7.04–8.99)	6.54 (5.55–7.54)

Note: ‘—’ indicates insufficient data.

**Table 45:** Cause-substituted life expectancy, by gender – categories I, II, III (prioritised series)

Prioritised ethnic group	Gender	Period	Cause-substituted life expectancy (in years)		
			Category I	Category II	Category III
Mäori	Males	1980–84	0.37	5.20	0.77
		1985–89	0.33	5.60	1.03
		1990–95	0.31	7.13	1.12
		1996–99	0.26	8.31	1.41
	Females	1980–84	0.47	7.06	0.24
		1985–89	0.37	6.57	0.38
		1990–95	0.26	8.57	0.40
		1996–99	0.30	9.01	0.57
Pacific	Males	1980–84	0.51	3.26	0.45
		1985–89	0.62	4.26	0.09
		1990–95	0.43	4.62	0.11
		1996–99	0.43	7.13	0.27
	Females	1980–84	0.50	2.67	-0.19
		1985–89	0.52	4.18	-0.05
		1990–95	0.34	4.12	-0.08
		1996–99	0.42	6.15	0.02

**Table 46:** Cause-substituted life expectancy, by gender – categories I, II, III (sole series)

Sole ethnic group	Gender	Period	Cause-substituted life expectancy (in years)		
			Category I	Category II	Category III
Māori	Males	1980–84	0.48	6.08	0.96
		1985–89	0.37	6.22	1.06
		1990–95	0.37	7.73	1.26
		1996–99	0.28	9.73	1.70
	Females	1980–84	0.60	8.22	0.34
		1985–89	0.41	7.34	0.42
		1990–95	0.32	9.40	0.49
		1996–99	0.34	10.71	0.79
Pacific	Males	1980–84	0.38	2.34	0.27
		1985–89	0.58	3.87	-0.05
		1990–95	0.36	3.80	0.11
		1996–99	0.34	6.52	0.10
	Females	1980–84	0.43	2.13	-0.23
		1985–89	0.50	4.13	-0.08
		1990–95	0.32	3.88	-0.06
		1996–99	0.33	5.70	-0.04

**Table 47:** Cause-substituted life expectancy by gender – specific causes (prioritised series)

Prioritised ethnic group	Gender	Period	Age-substituted life expectancy (in years)				
			Cancer	Diabetes	Cardiovascular disease	Respiratory disease	Unintentional injuries
Māori	Males	1980–84	0.92	0.47	2.49	0.89	0.85
		1985–89	1.01	0.45	2.58	0.70	0.90
		1990–95	1.37	0.65	3.50	0.63	1.00
		1996–99	1.84	0.81	4.01	0.58	1.06
	Females	1980–84	1.37	0.61	3.60	1.26	0.28
		1985–89	1.28	0.59	3.32	1.09	0.41
		1990–95	1.75	0.92	3.82	1.05	0.38
		1996–99	2.51	0.93	3.61	1.04	0.46
Pacific	Males	1980–84	0.81	0.20	1.67	0.69	0.42
		1985–89	1.23	0.24	1.70	1.08	0.04
		1990–95	0.59	0.43	2.47	0.54	0.07
		1996–99	1.84	0.66	3.06	0.74	0.26
	Females	1980–84	0.27	0.32	1.36	0.47	-0.20
		1985–89	0.49	0.51	2.00	0.82	-0.02
		1990–95	0.62	0.61	2.24	0.31	-0.03
		1996–99	1.50	1.09	2.62	0.29	0.03

**Table 48:** Cause-substituted life expectancy by gender – specific causes (sole series)

Sole ethnic group	Gender	Period	Age-substituted life expectancy (in years)				
			Cancer	Diabetes	Cardiovascular disease	Respiratory disease	Unintentional injuries
Māori	Males	1980–84	1.11	0.49	2.87	1.01	1.03
		1985–89	1.15	0.46	2.88	0.75	0.93
		1990–95	1.50	0.66	3.74	0.68	1.12
		1996–99	2.17	0.89	4.57	0.64	1.33
	Females	1980–84	1.65	0.64	4.11	1.40	0.37
		1985–89	1.49	0.62	3.66	1.18	0.45
		1990–95	1.99	0.96	4.08	1.12	0.47
		1996–99	3.12	1.02	4.21	1.15	0.69
Pacific	Males	1980–84	0.68	0.18	1.40	0.63	0.30
		1985–89	1.25	0.24	1.71	1.09	-0.08
		1990–95	0.64	0.43	2.56	0.55	0.10
		1996–99	1.74	0.68	3.26	0.78	0.15
	Females	1980–84	0.13	0.29	1.10	0.40	-0.23
		1985–89	0.55	0.52	2.13	0.85	-0.05
		1990–95	0.72	0.63	2.37	0.34	-0.02
		1996–99	1.57	1.11	2.73	0.31	0.02

**Table 49:** Comparison of mortality rates, by age, EMT v. NZCMS (prioritised series)

Age group	Period	Māori – EMT	Māori – CMS	Pacific – EMT	Pacific – CMS	Non-Māori non-Pacific – EMT	Non-Māori non-Pacific – CMS
1–14 years	1980–84	49.0	38.1	70.6	42.1	35.4	27.4
	1985–89	48.9	37.7	50.2	39.9	33.1	24.3
	1990–95	41.8	29.1	46.9	31.7	25.6	21.2
	1996–99	43.7	34.8	31.3	25.8	20.6	17.5
15–24 years	1980–84	148.0	144.0	124.9	125.2	102.9	100.1
	1985–89	159.2	155.9	147.7	127.8	105.7	105.0
	1990–95	154.0	140.8	95.5	78.7	95.5	95.9
	1996–99	141.9	155.1	111.6	103.4	72.4	71.9
25–44 years	1980–84	283.9	273.2	198.6	138.4	129.0	123.4
	1985–89	276.6	249.5	212.0	194.5	122.9	119.1
	1990–95	262.3	237.8	179.6	148.1	113.3	111.5
	1996–99	252.9	240.9	213.3	195.6	94.9	94.7
45–64 years	1980–84	1749.7	1681.3	1309.5	1007.3	787.2	844.8
	1985–89	1734.0	1595.4	1324.5	1056.2	707.1	760.7
	1990–95	1723.0	1618.9	1071.0	887.2	605.5	621.7
	1996–99	1569.2	1461.6	1173.2	995.7	502.3	485.6
65–74 years	1980–84	5671.6	6193.0	4567.4	4663.0	3205.0	3758.5
	1985–89	5317.9	5793.1	5074.5	4587.1	2948.7	3577.3
	1990–95	5469.3	5857.5	4184.9	4210.8	2592.3	3085.4
	1996–99	5295.8	5781.5	4421.2	4358.9	2122.2	2636.7

**Table 50:** Comparison of mortality rates, by age, EMT v. NZCMS (sole series)

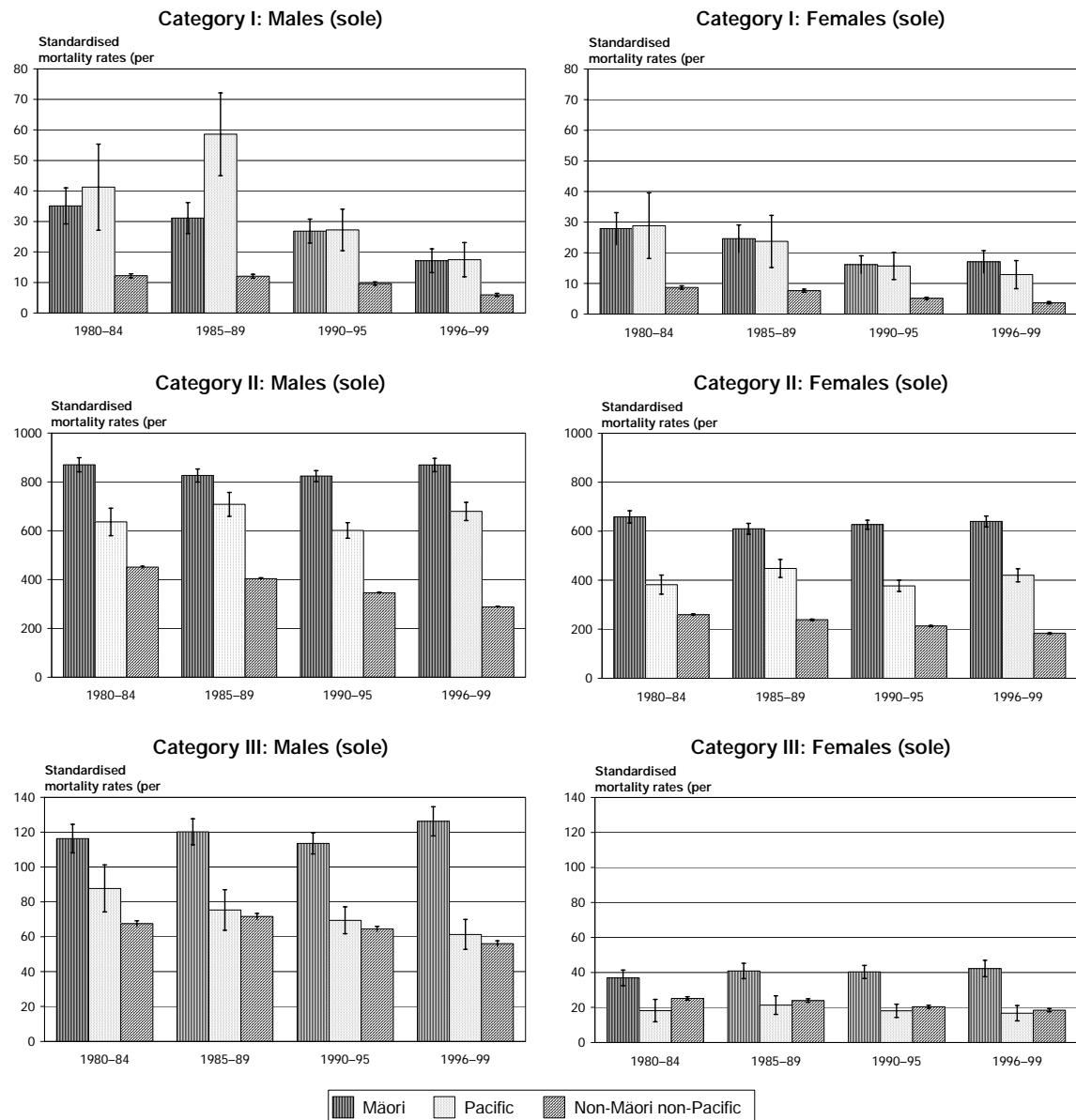
Age group	Period	Māori – EMT	Māori – CMS	Pacific – EMT	Pacific – CMS	Non-Māori non-Pacific – EMT	Non-Māori non-Pacific – CMS
1–14 years	1980–84	56.6	40.3	62.2	42.2	35.6	27.9
	1985–89	51.0	41.2	53.5	44.5	34.4	24.9
	1990–95	47.6	32.2	50.3	33.4	25.9	21.5
	1996–99	61.5	49.7	28.7	22.6	22.2	18.7
15–24 years	1980–84	159.4	154.6	119.7	130.9	104.1	100.7
	1985–89	158.3	160.4	125.3	115.1	109.1	107.6
	1990–95	158.8	144.5	96.5	81.8	97.1	97.4
	1996–99	167.0	177.8	106.8	106.3	78.4	79.0
25–44 years	1980–84	311.9	304.3	196.0	141.5	130.4	124.7
	1985–89	297.0	270.2	206.8	191.6	124.9	120.7
	1990–95	289.9	261.5	186.8	154.2	113.8	112.1
	1996–99	287.7	275.6	202.9	195.0	103.2	102.0
45–64 years	1980–84	1906.7	1835.7	1238.0	973.6	793.5	848.6
	1985–89	1866.7	1727.2	1372.7	1096.1	711.5	762.8
	1990–95	1833.6	1731.7	1095.9	904.0	609.3	625.4
	1996–99	1848.2	1804.3	1213.3	1043.3	519.1	497.4
65–74 years	1980–84	6205.5	6780.7	4350.8	4693.1	3213.2	3763.6
	1985–89	5571.7	6123.9	5136.3	4718.5	2957.1	3581.8
	1990–95	5691.8	6105.3	4281.8	4318.1	2600.1	3091.5
	1996–99	6141.4	6723.4	4632.6	4617.8	2151.6	2661.3

## Appendix 4: Results – Sole Series

### Global burden of disease categories I, II, III (sole series)

The pattern for the sole group is slightly different from that for the prioritised group, especially for Māori. Although there is evidence of decreasing mortality rates over time for cause category I, the trend is opposite for category II and there has been very little difference in injury mortality rates (category III).

**Figure 24:** Cause-specific standardised mortality rates, ages 1–74 years, by gender (sole series)

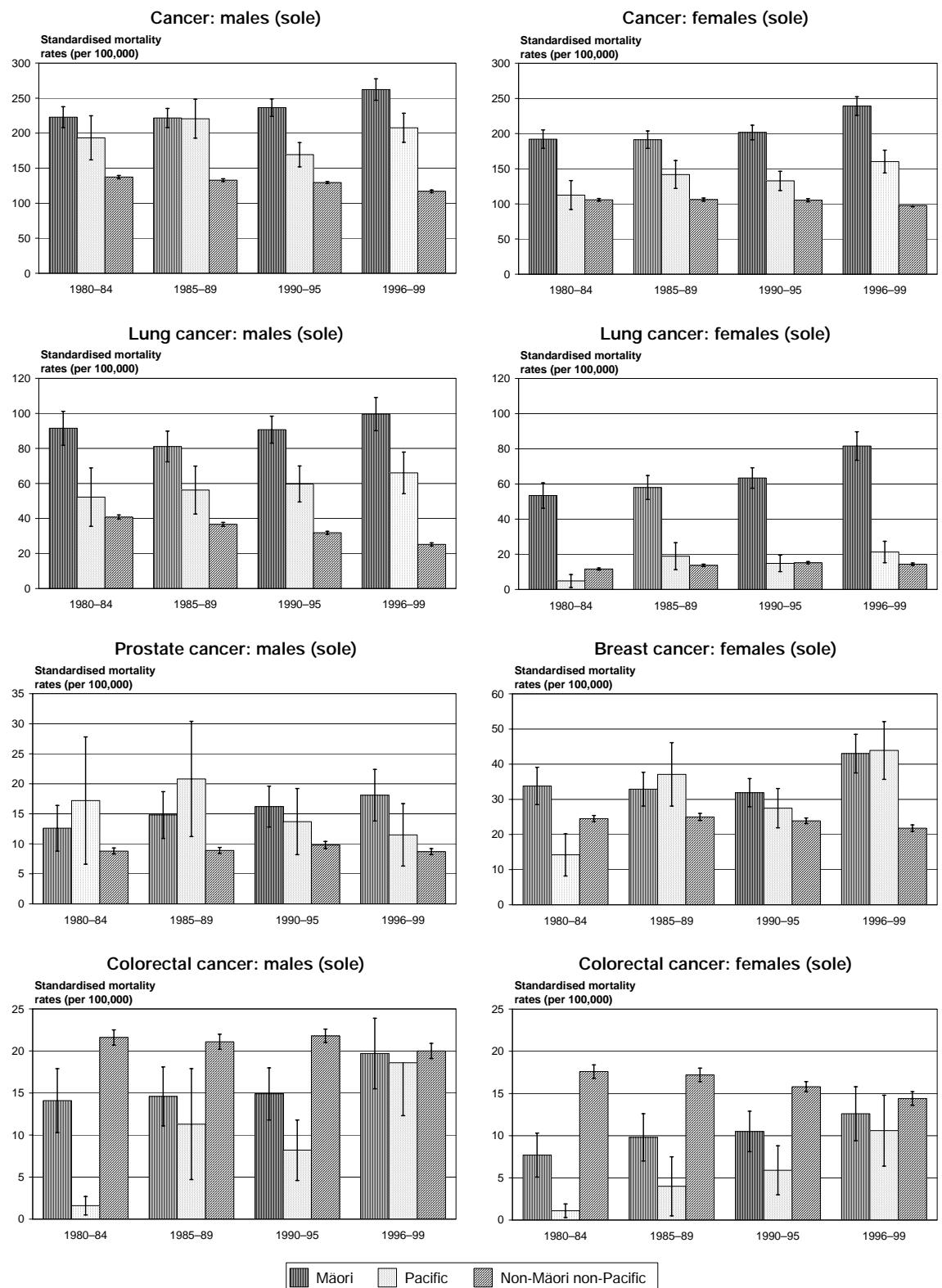


Corresponding table is Table 38. Category I: communicable disease, maternal, perinatal and nutritional conditions. Category II: non-communicable diseases. Category III: injuries.

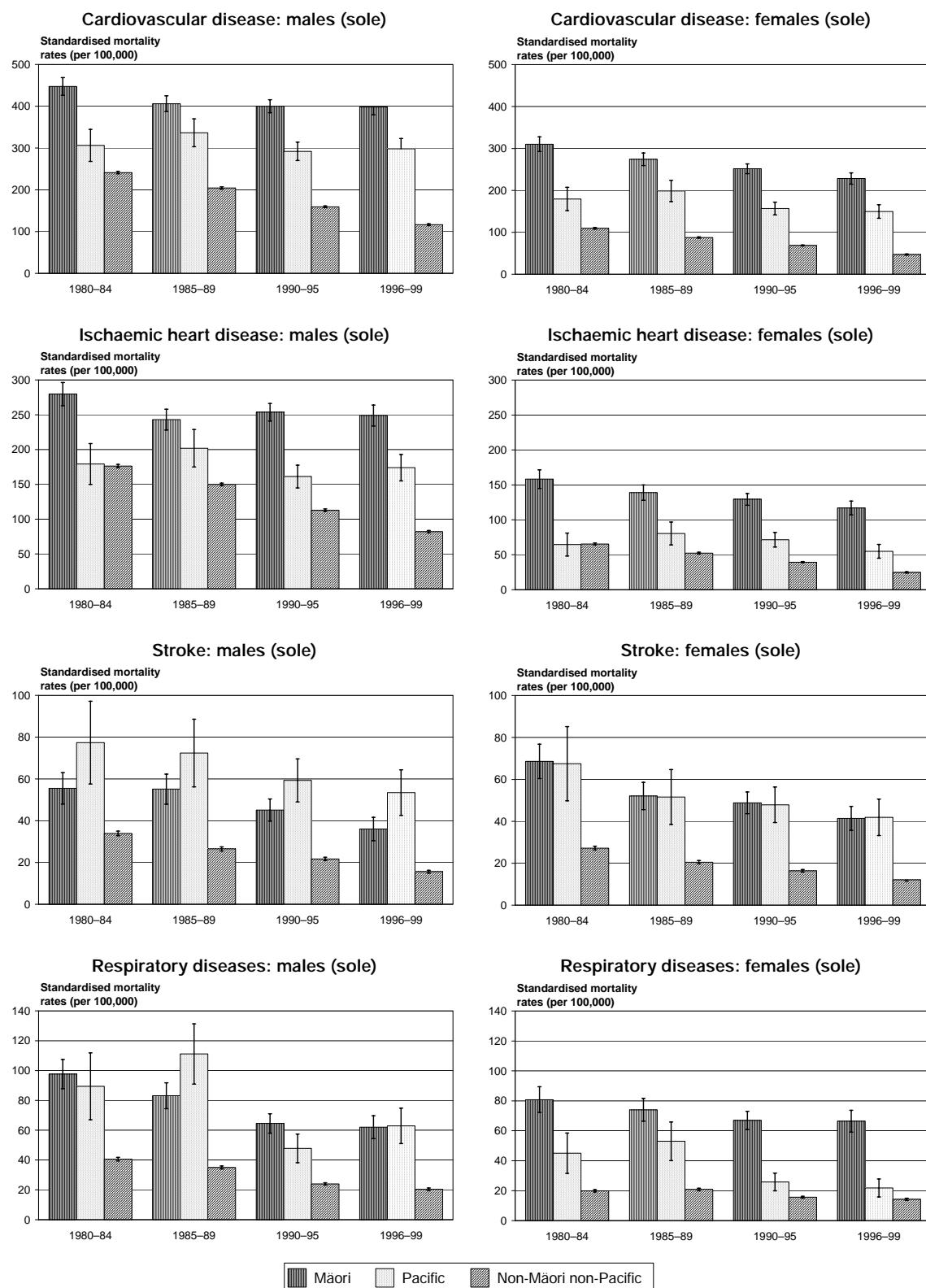
### Cause-specific mortality rates (sole series)

The pattern for the sole group was similar to that for the prioritised pattern.

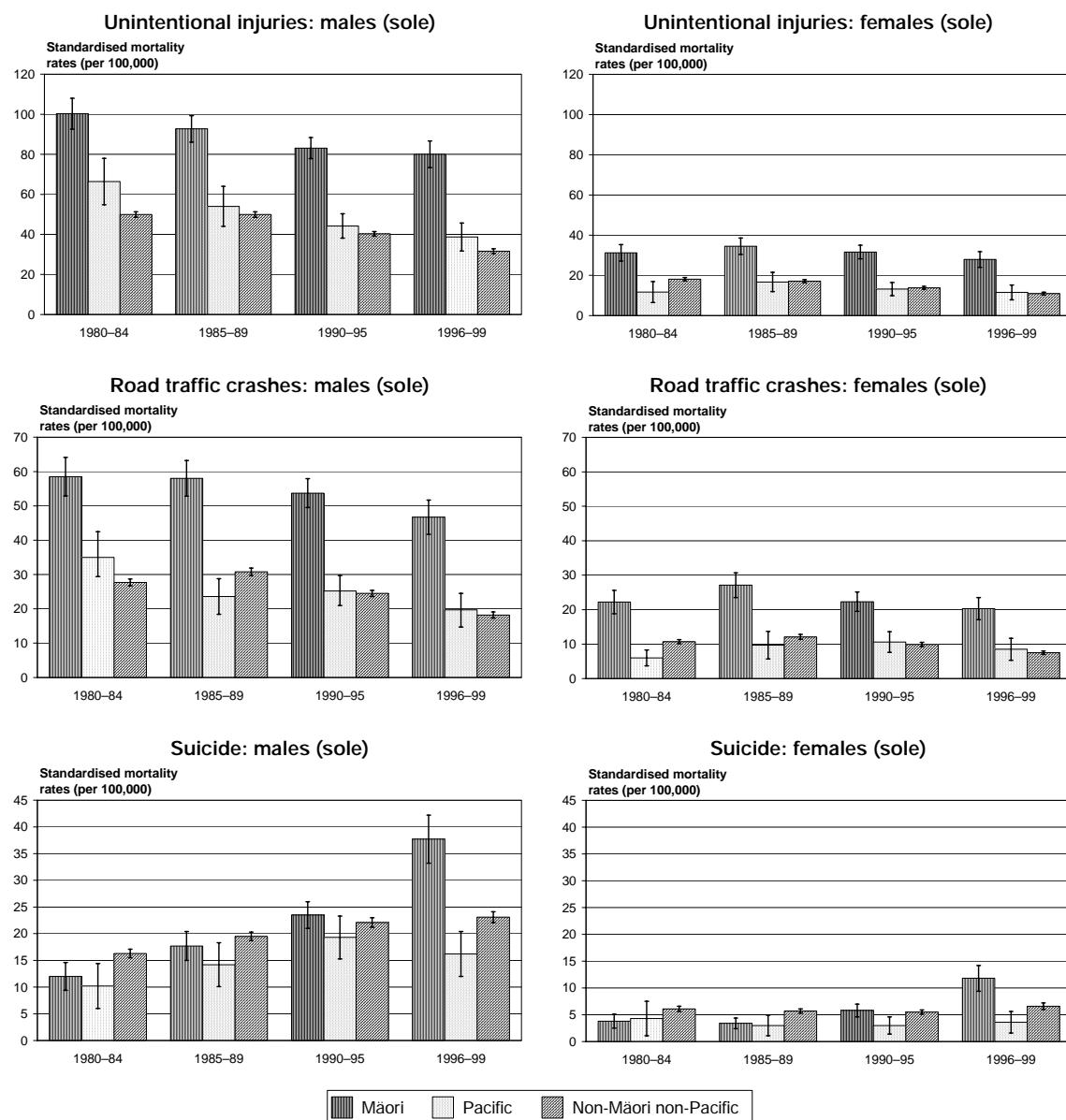
**Figure 25:** Standardised mortality rates, ages 1–74 years, by gender – specific causes (sole series)



(Continued)



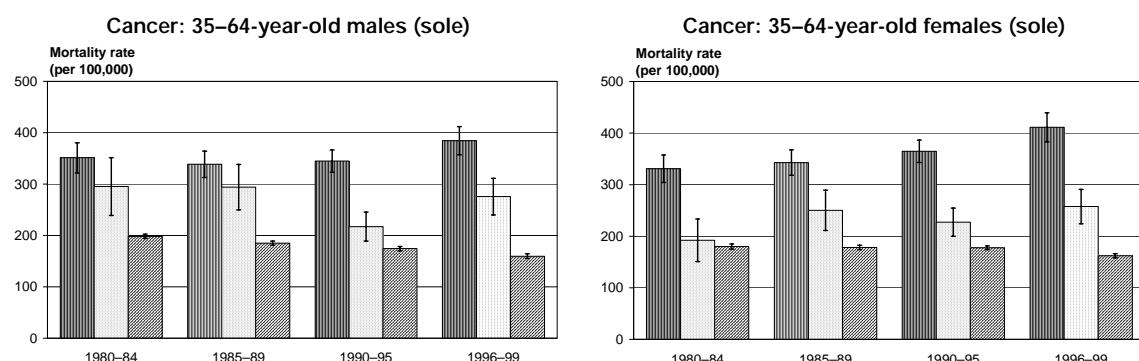
(Continued)

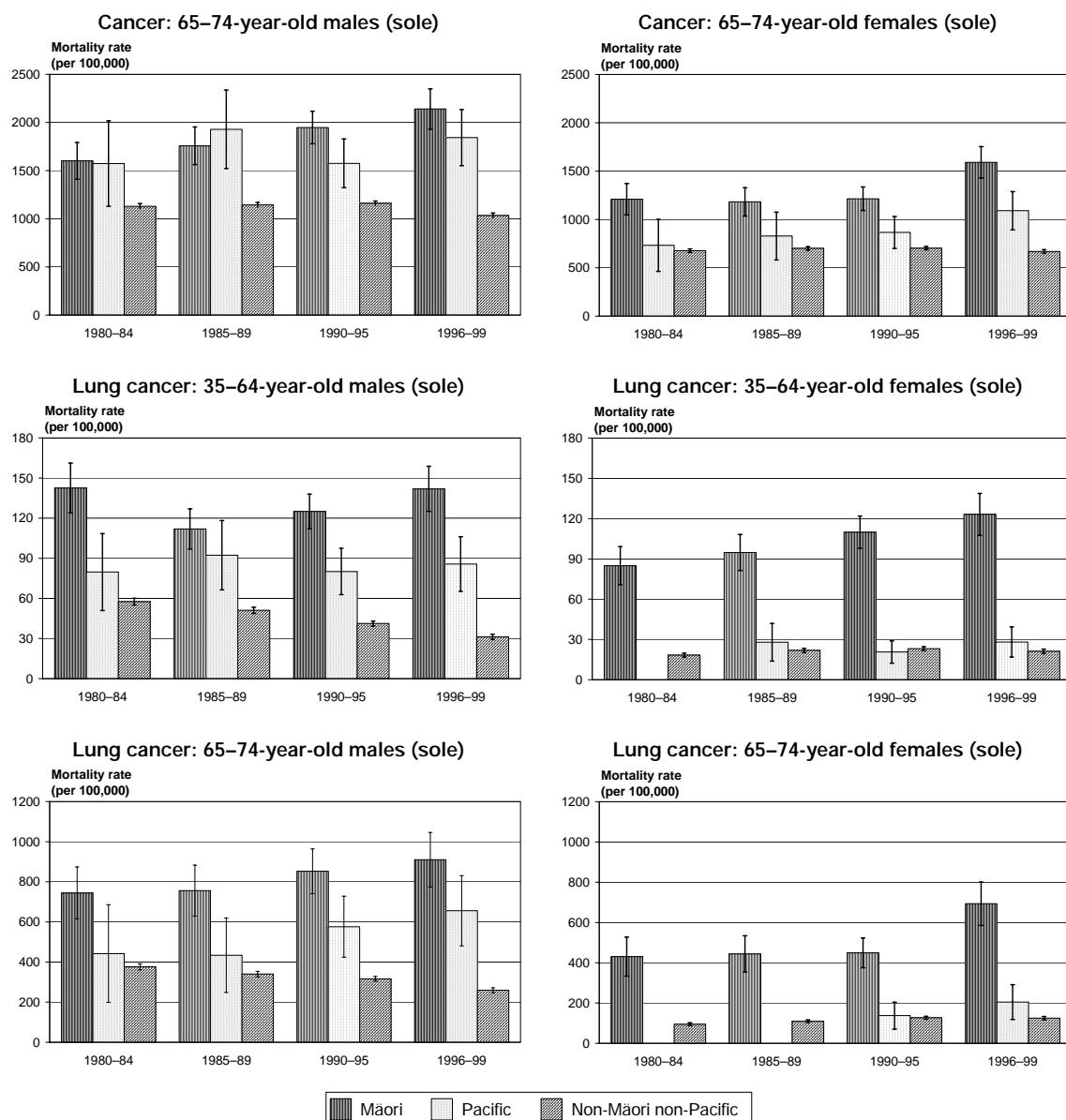


Corresponding table is Table 40.

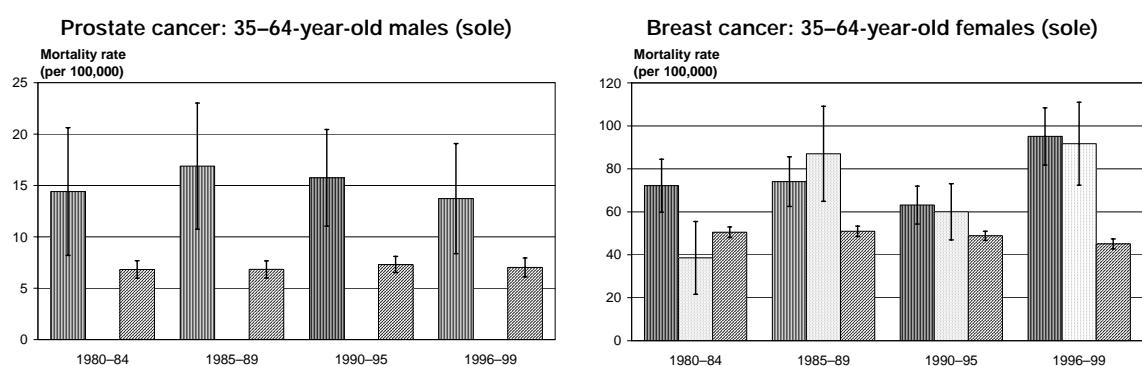
### Selected causes – specific age groups (sole series)

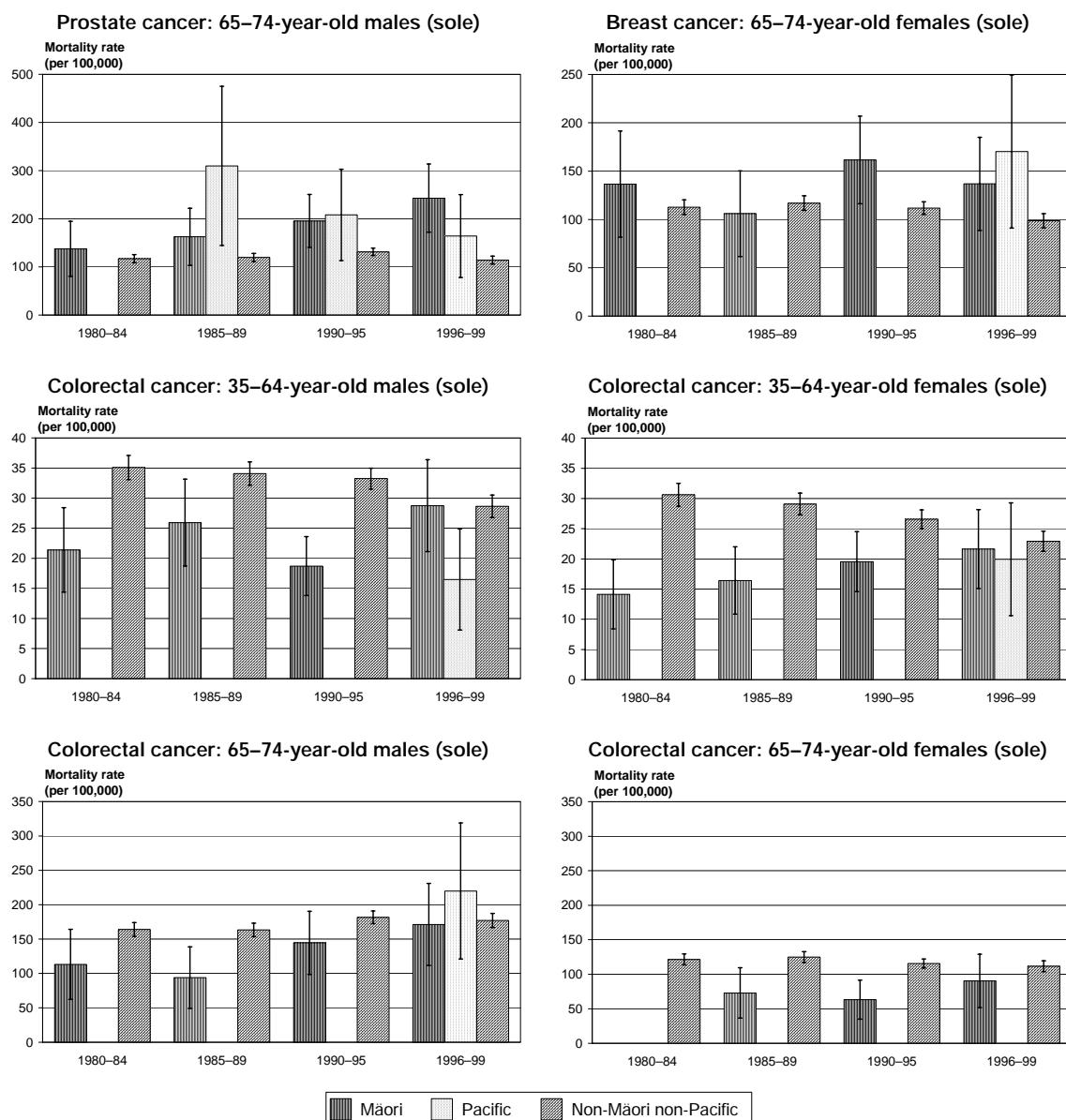
**Figure 26:** Mortality rate in 35–64 and 65–74-year-old males and females for cancers and cardiovascular diseases (sole series)



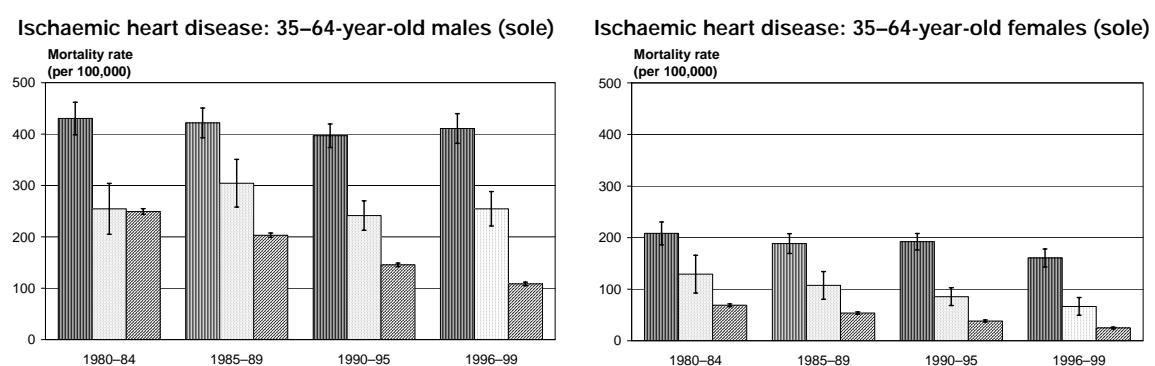


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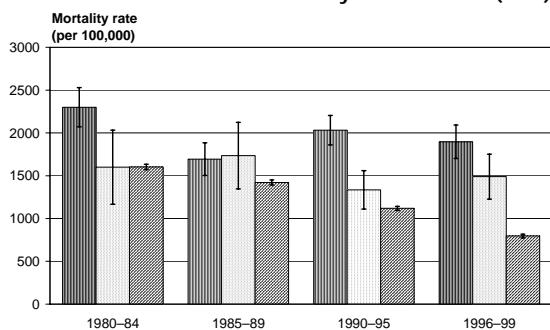




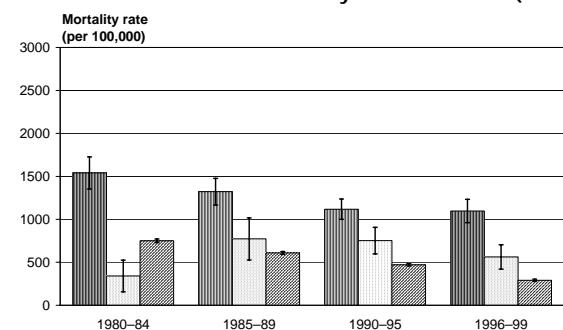
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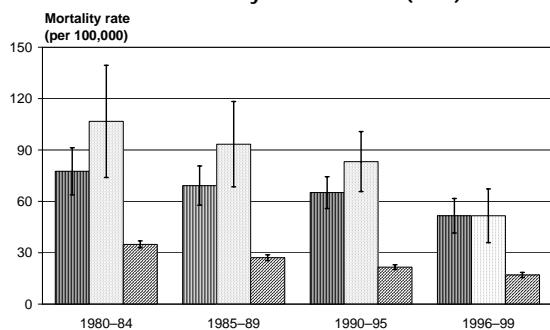
**Ischaemic heart disease: 65–74-year-old males (sole)**



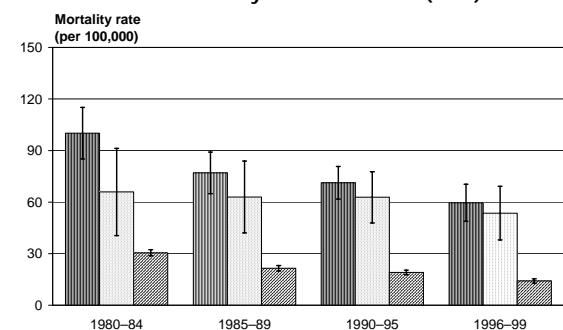
**Ischaemic heart disease: 65–74-year-old females (sole)**



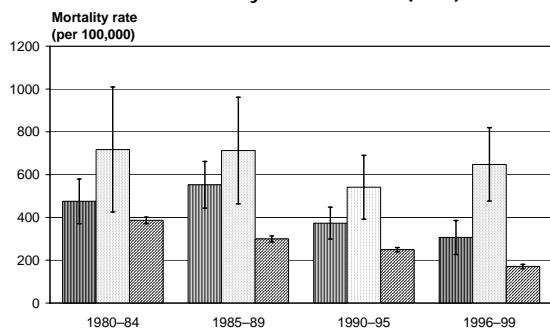
**Stroke: 35–64-year-old males (sole)**



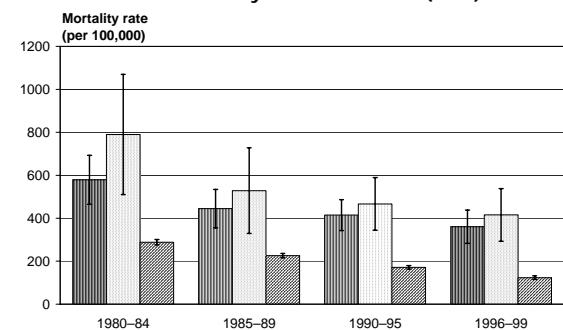
**Stroke: 35–64-year-old females (sole)**

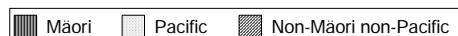


**Stroke: 65–74-year-old males (sole)**



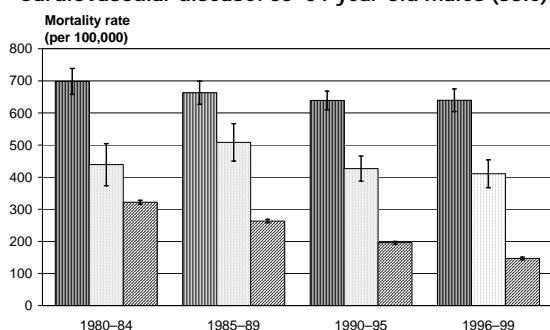
**Stroke: 65–74-year-old females (sole)**



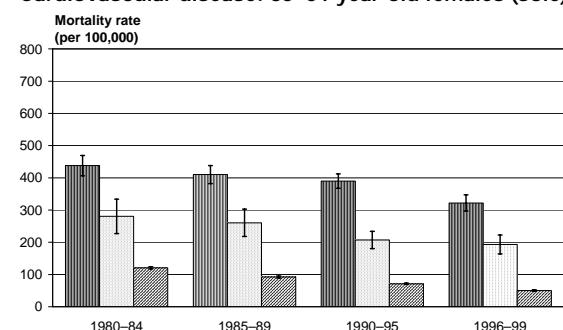


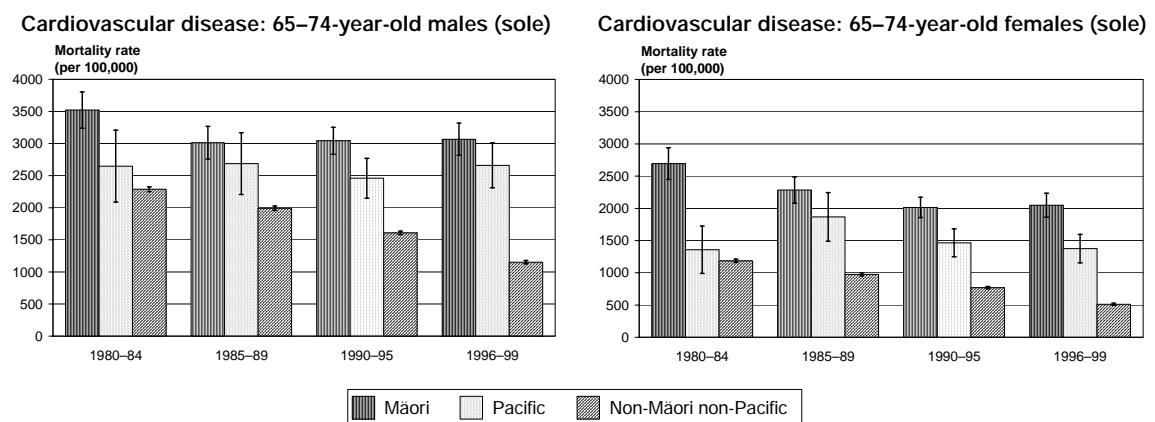
*(Continued)*

**Cardiovascular disease: 35–64-year-old males (sole)**



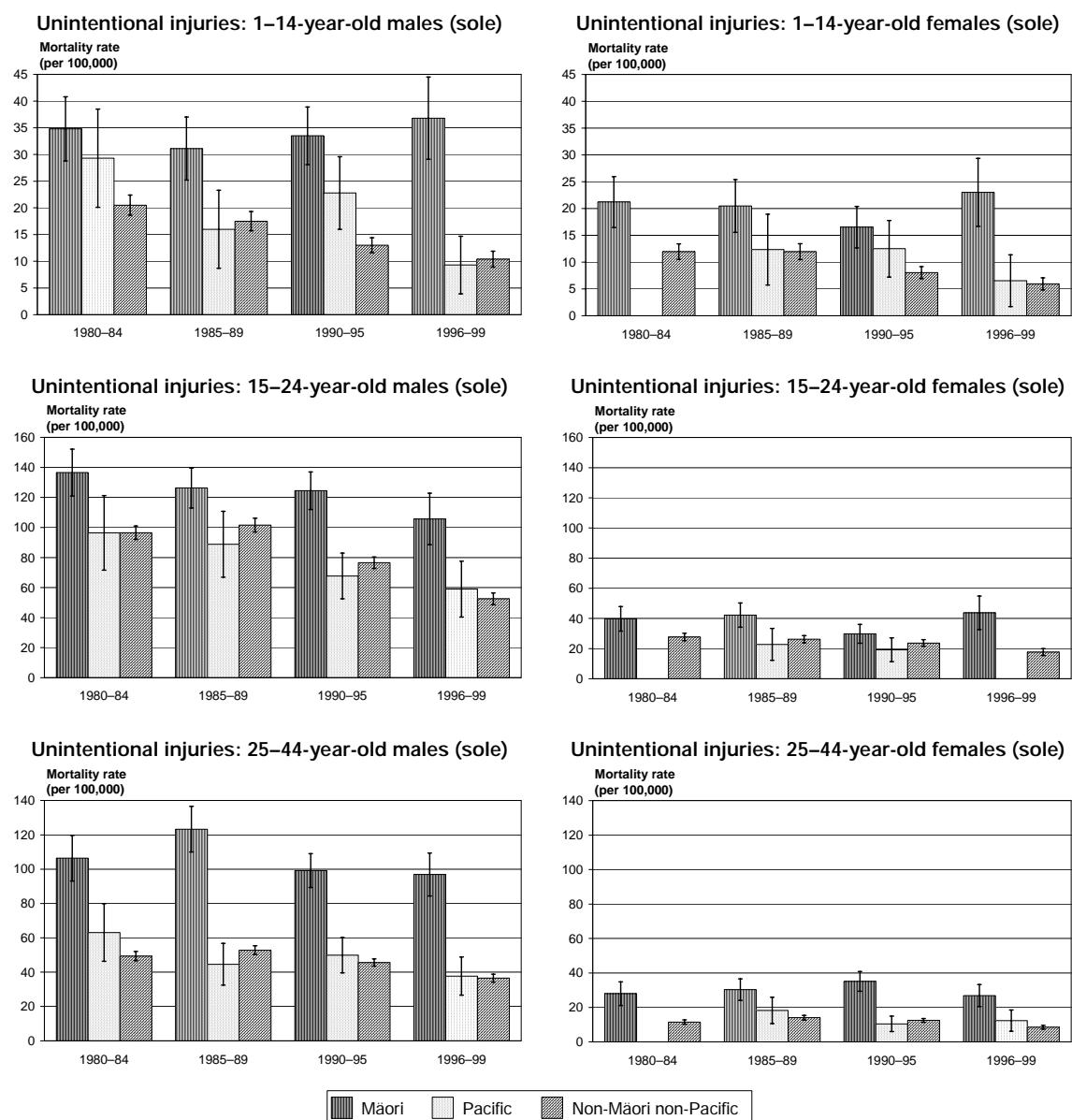
**Cardiovascular disease: 35–64-year-old females (sole)**



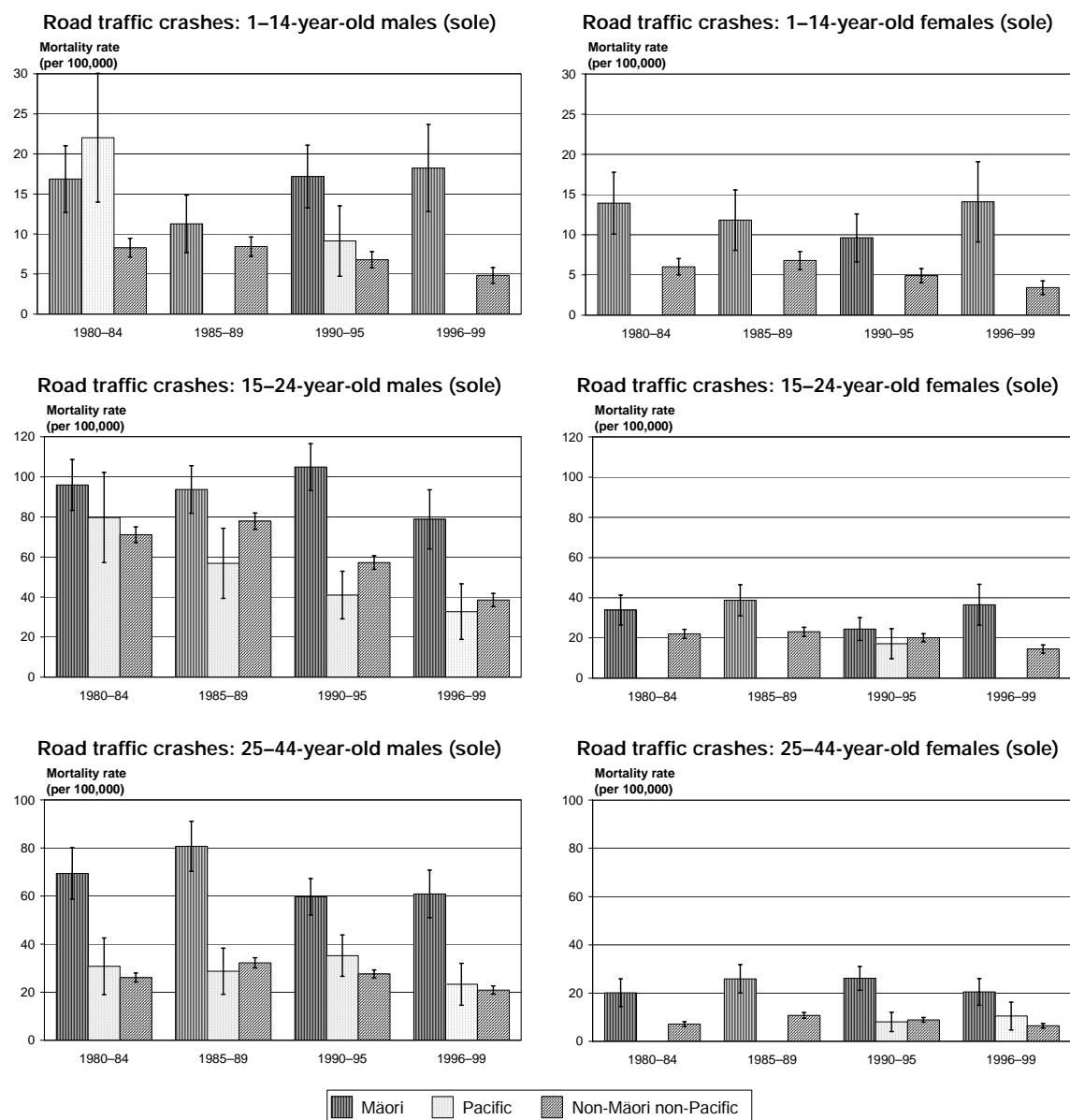


Corresponding table is Table 42.

**Figure 27:** Mortality rate in 1–14, 15–24 and 25–44-year-old males and females for unintentional injuries and road traffic crashes (sole series)

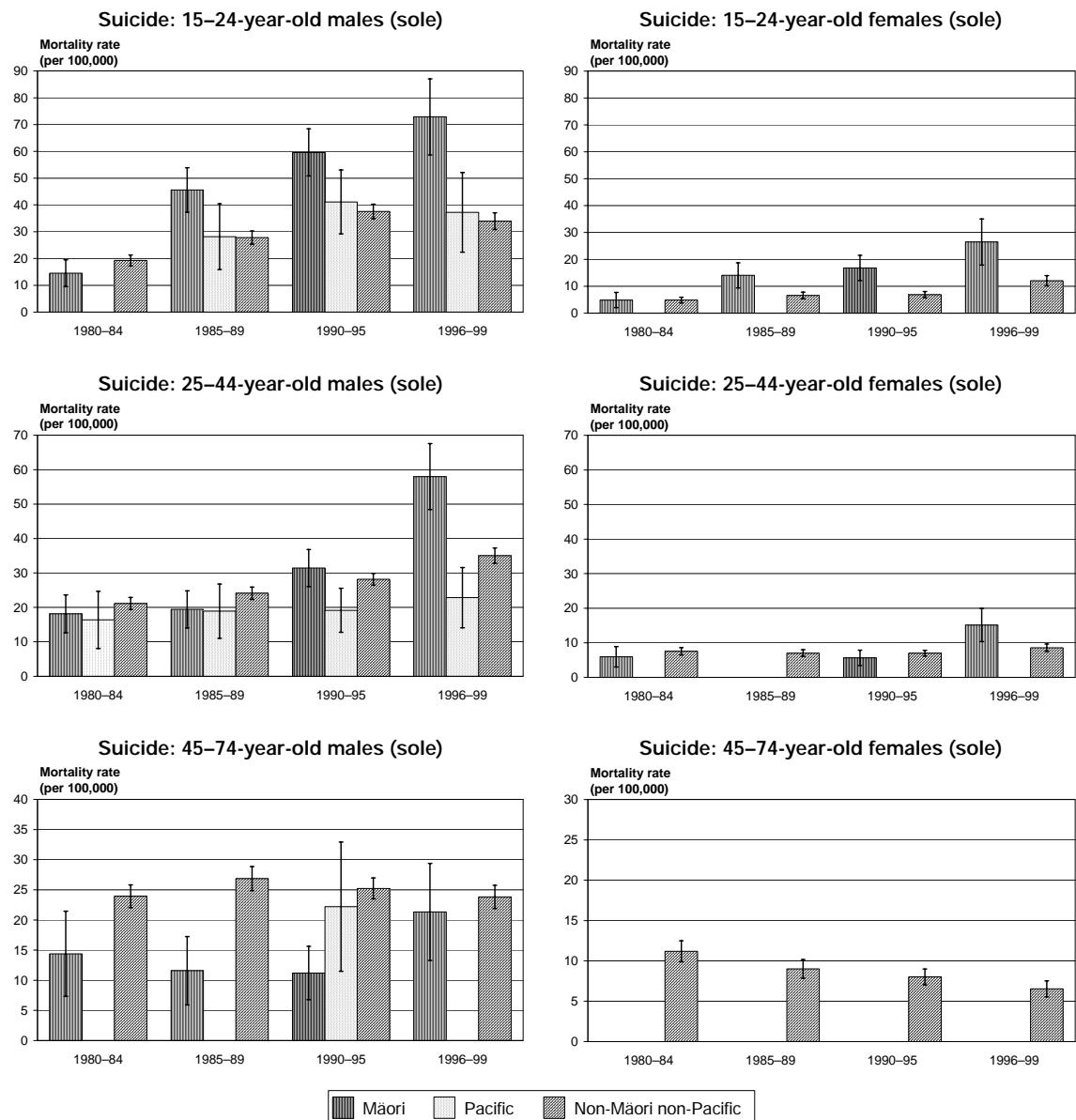


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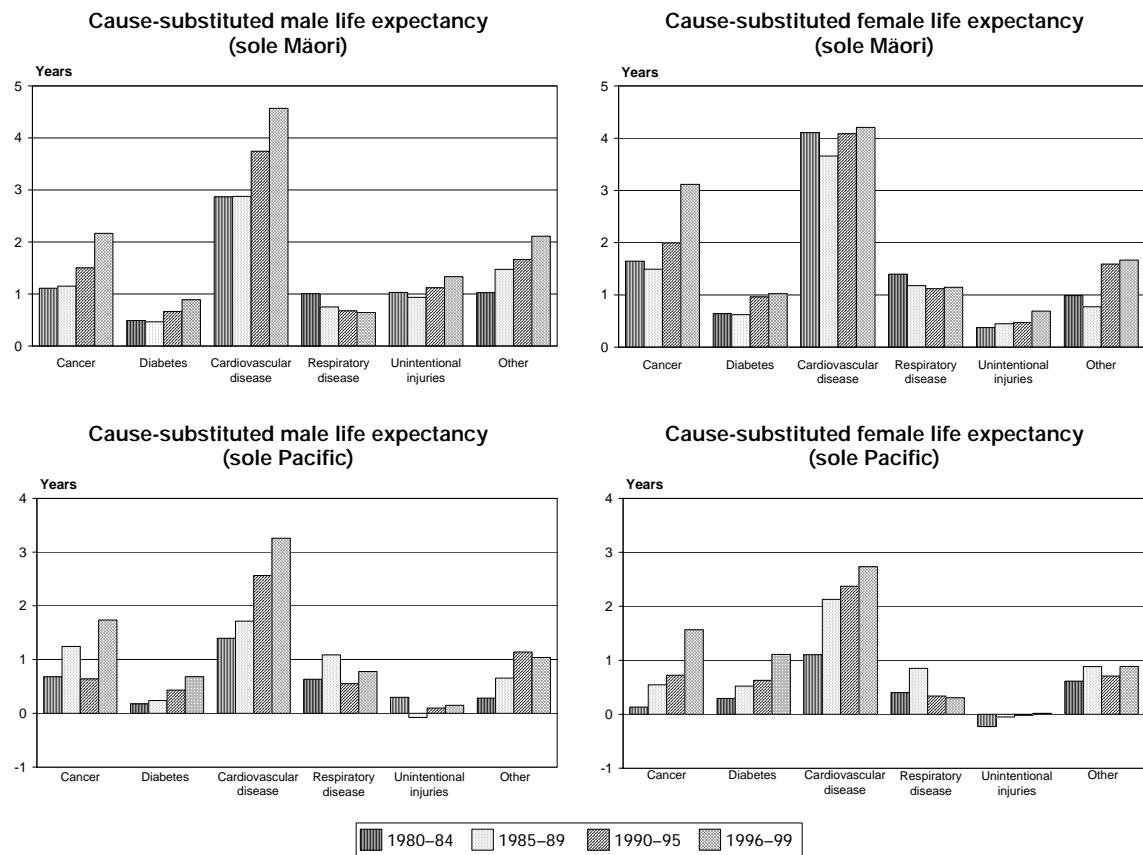
Corresponding table is Table 43.

**Figure 28:** Mortality rate in 15–24, 25–44 and 45–74-year-old males and females for suicide (sole series)



Corresponding table is Table 44.

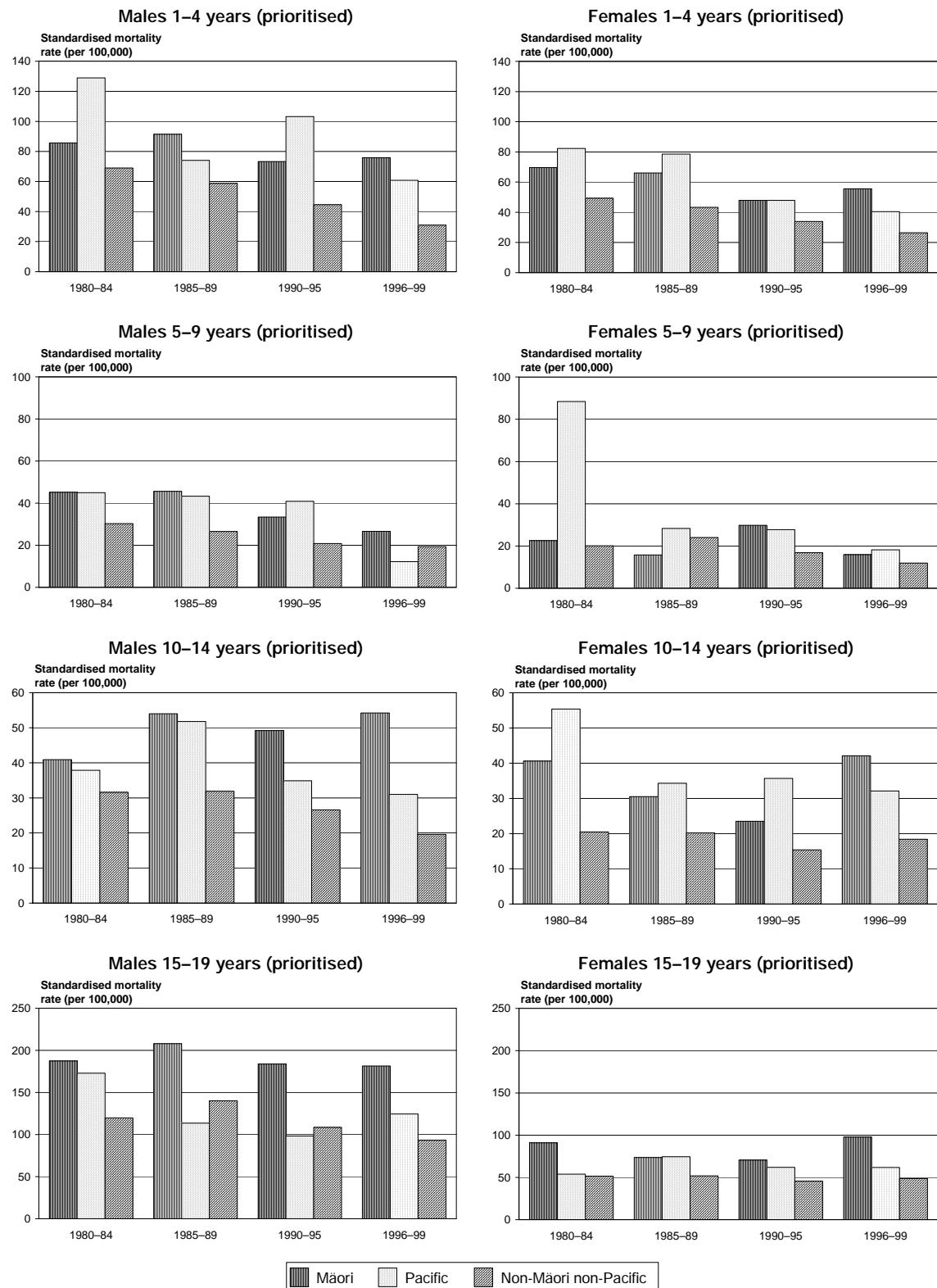
**Figure 29:** Cause substituted life expectancy, by gender – specific causes (sole series)



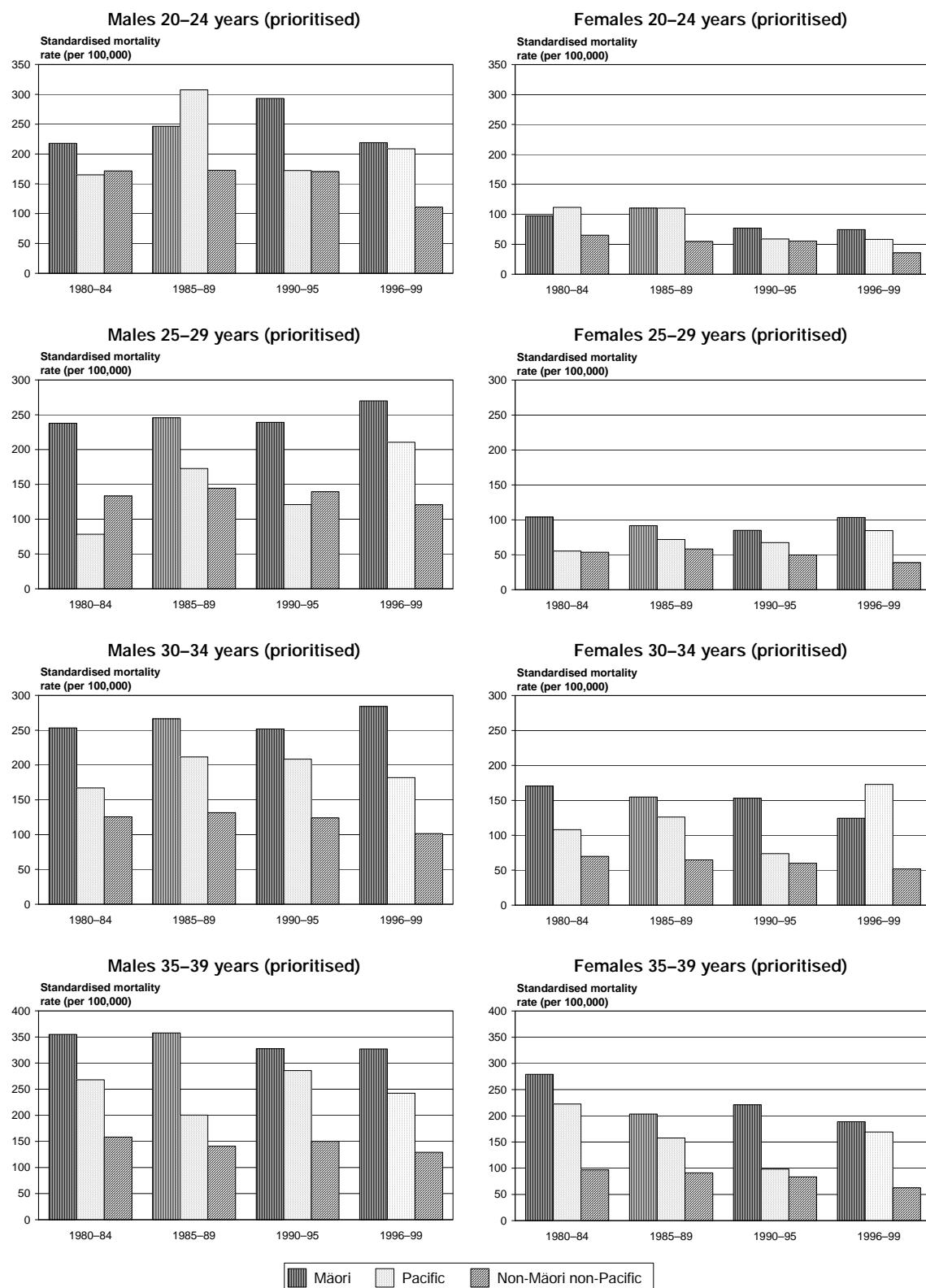
Corresponding table is Table 48.

## Appendix 5: Mortality Rates by Five-year Age Categories

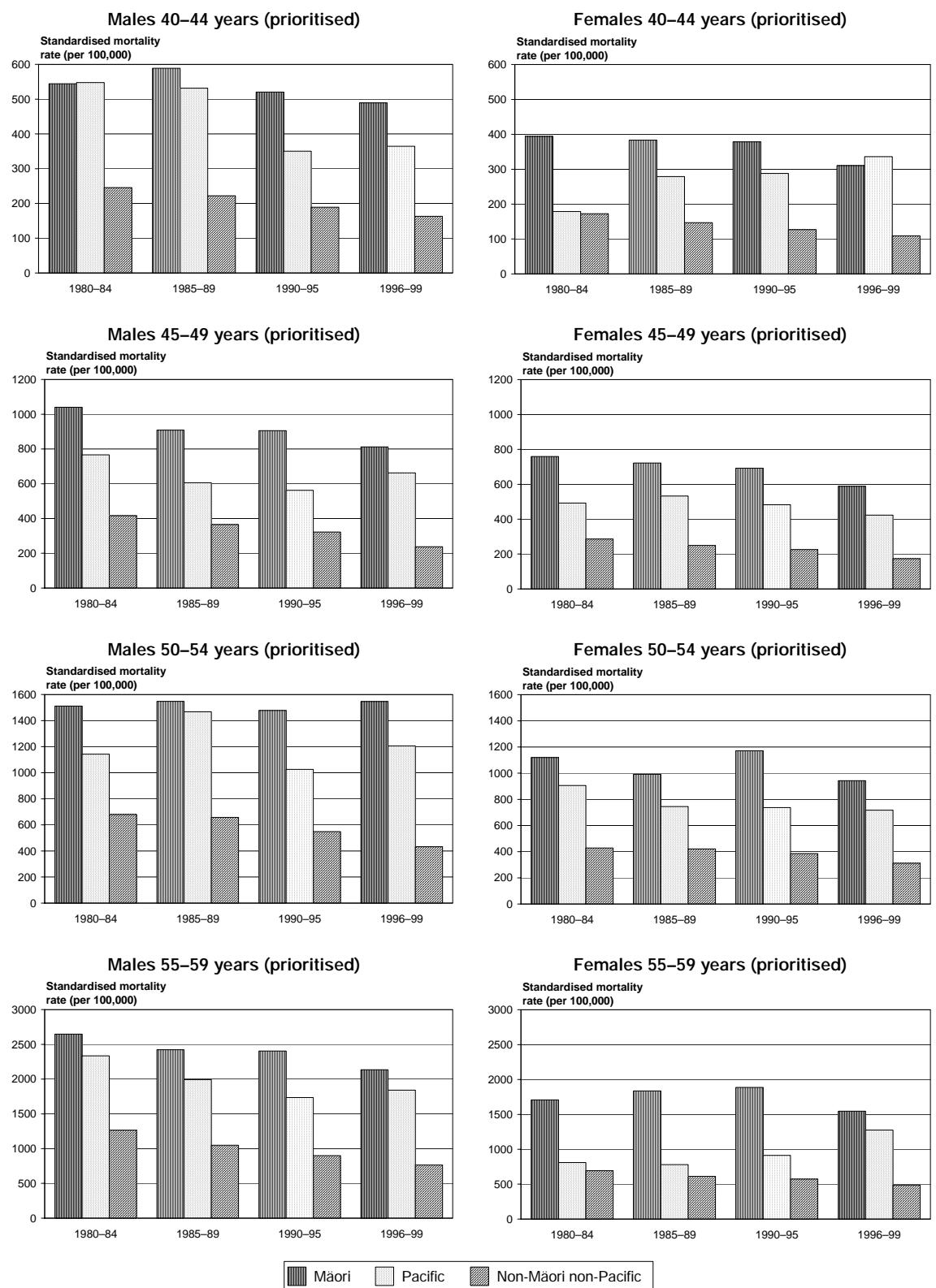
Figure 30: Mortality rate, by gender and five-year age group (prioritised series)



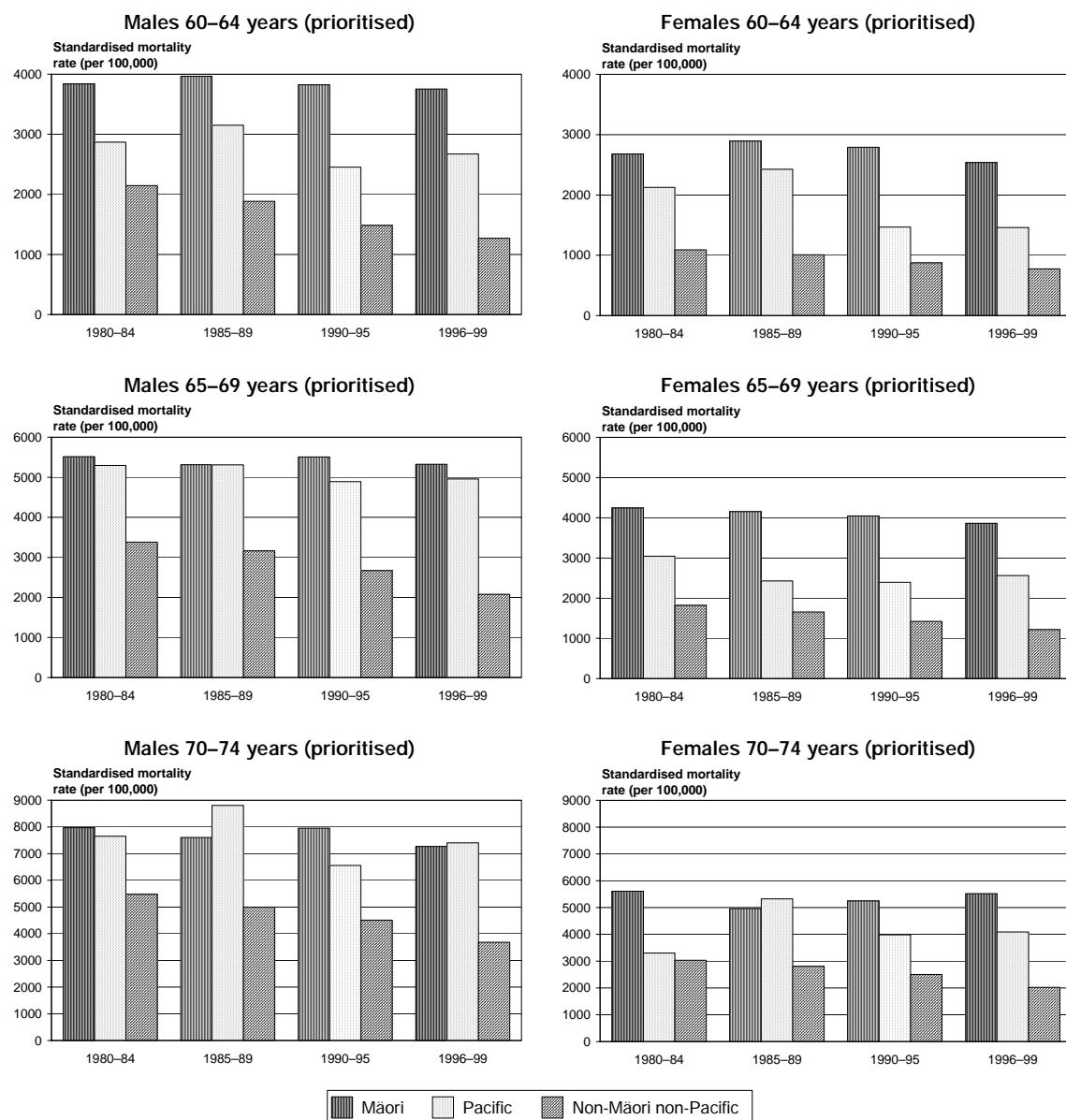
(Continued)



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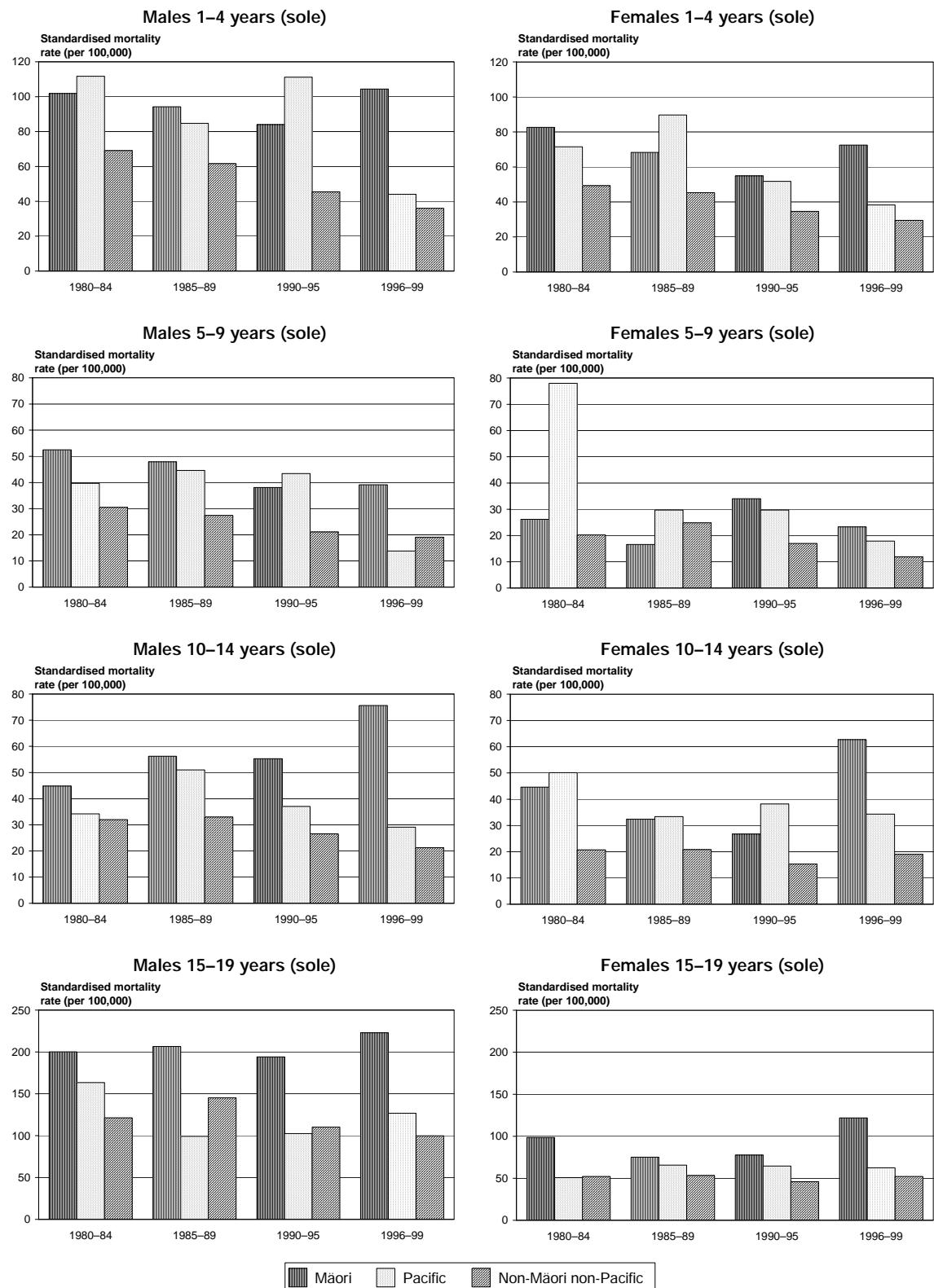


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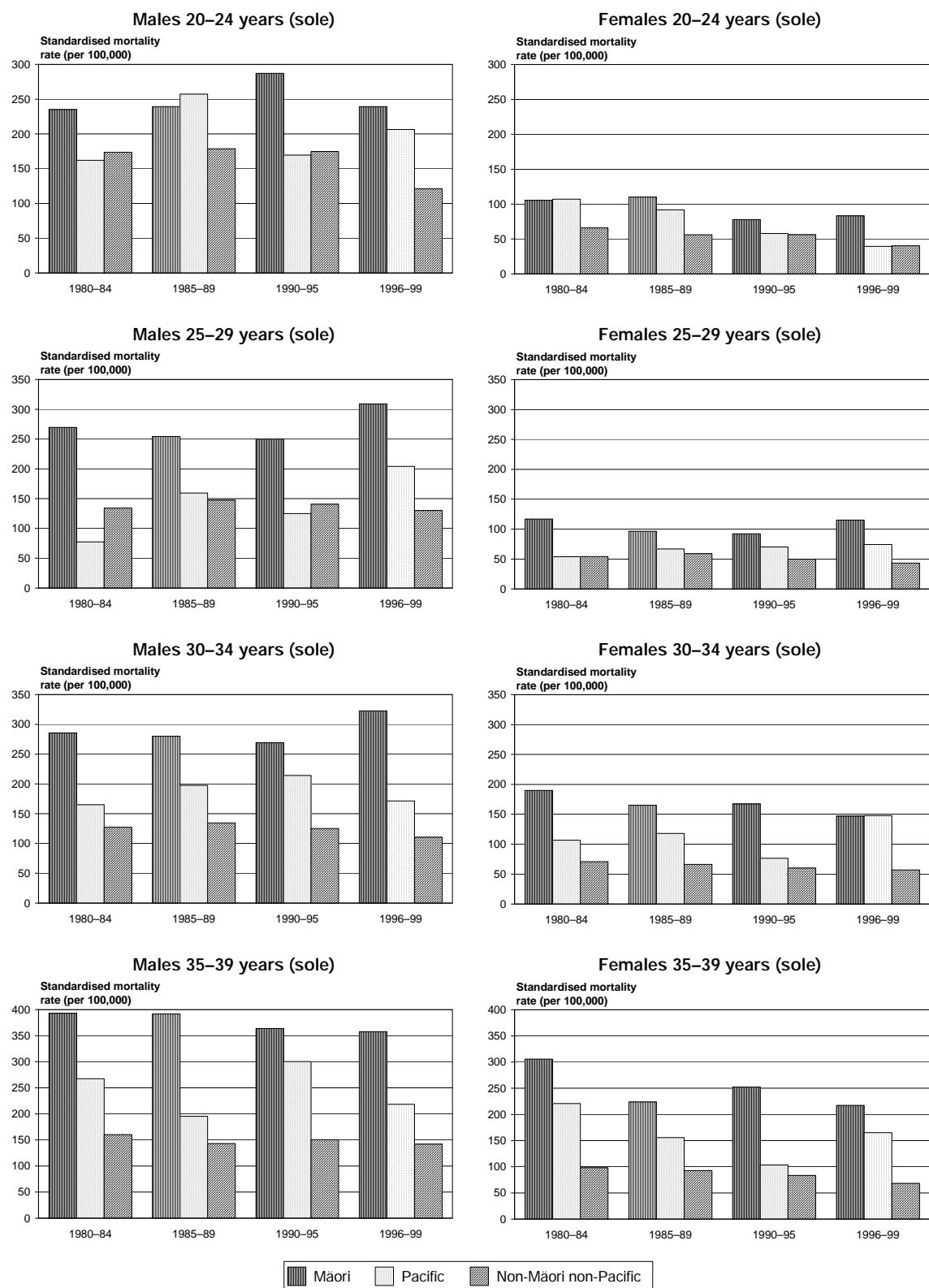


Corresponding table is Table 51.

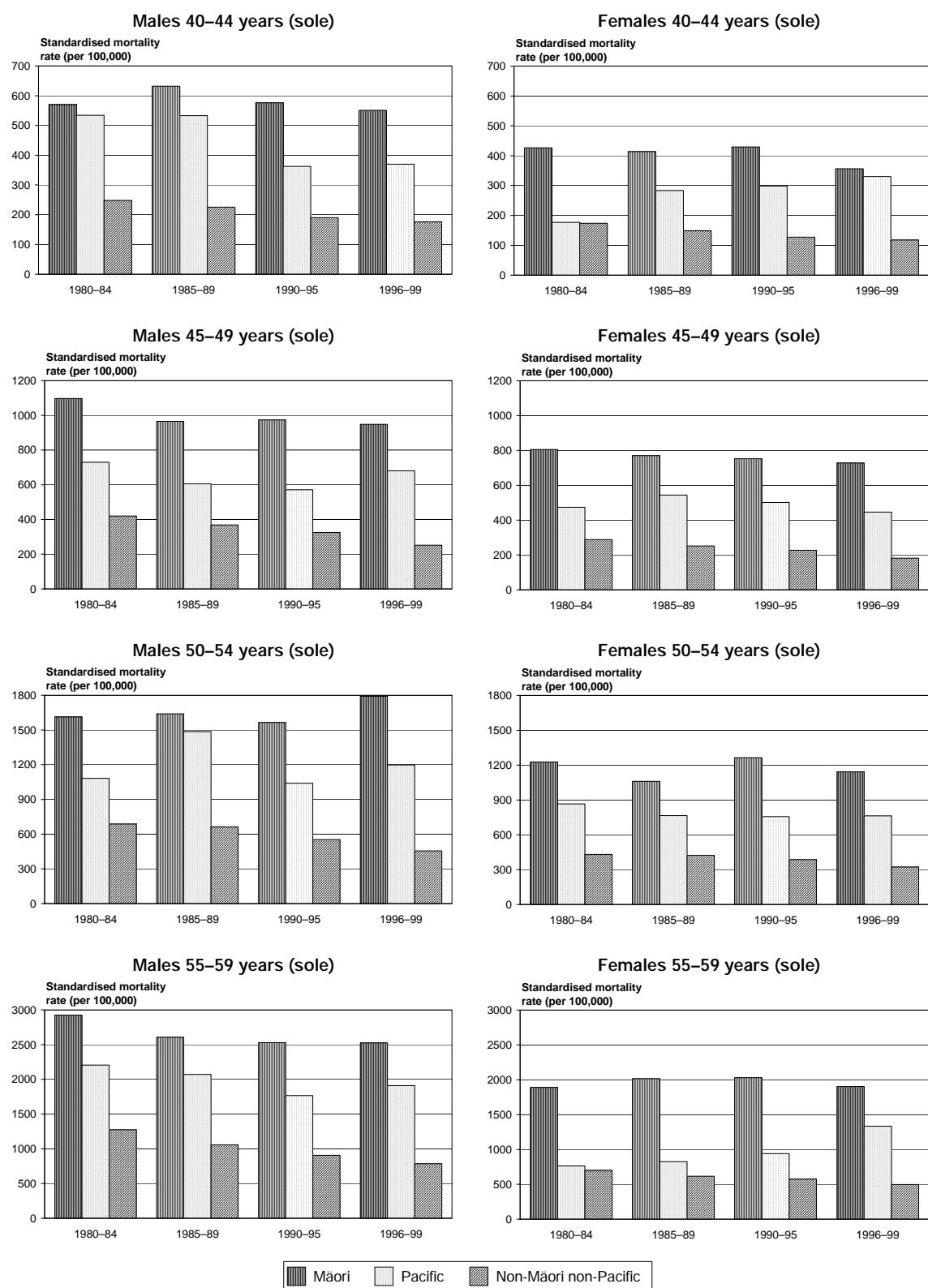
**Figure 31:** Mortality rate, by gender and five-year age group (sole series)



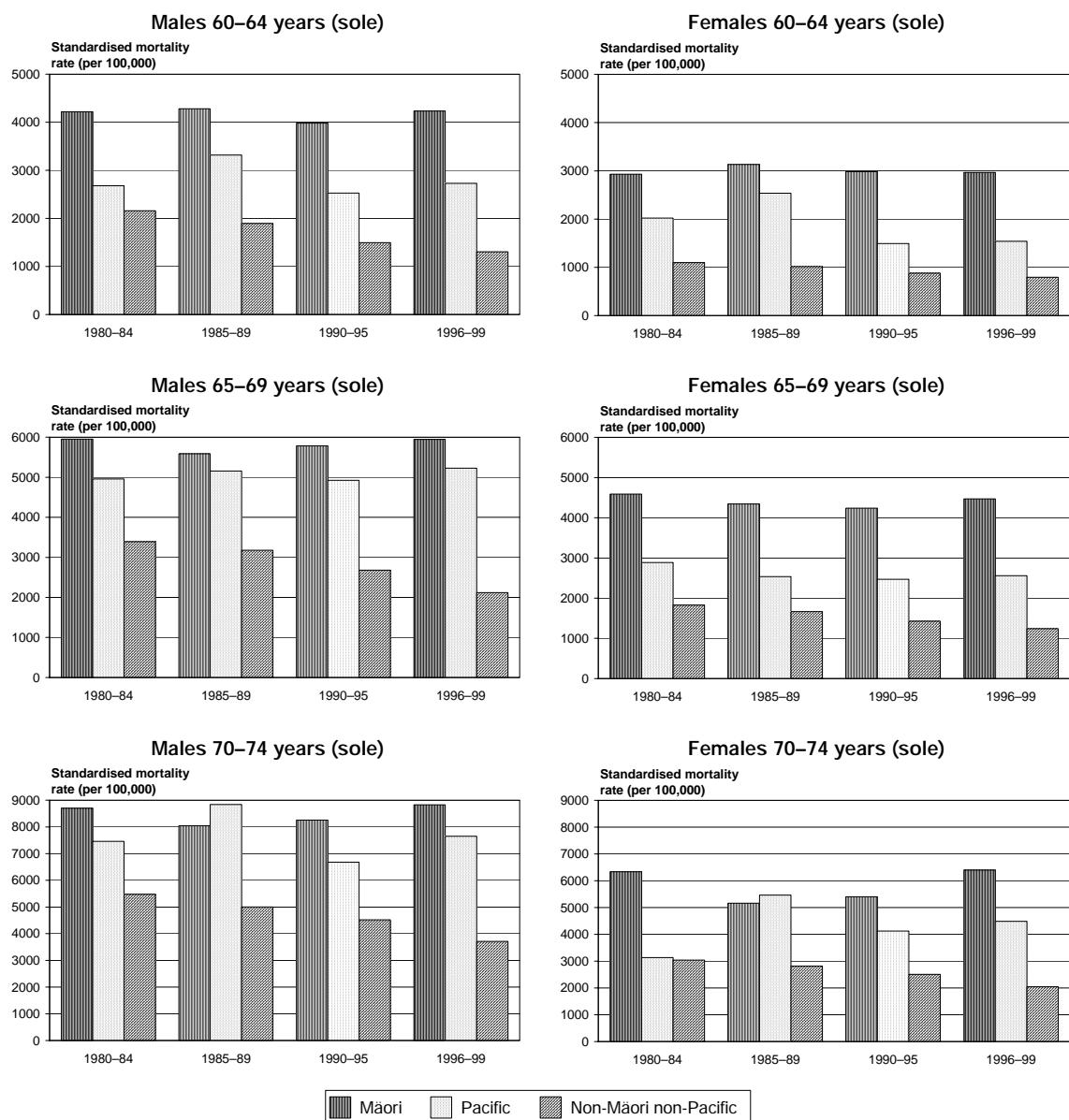
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Corresponding table is Table 52.

**Table 51:** Age-specific mortality rates, by gender (five-year age groups) – prioritised series

Age group	Prioritised ethnic group	Males				Females			
		1980–84	1985–89	1990–95	1996–99	1980–84	1985–89	1990–95	1996–99
1–4 years	Mäori	85.7	91.4	73.3	75.8	69.6	66.0	47.9	55.5
	Pacific	128.9	74.1	103.2	60.8	82.3	78.6	47.9	40.4
	Non-Mäori non-Pacific	69.0	58.8	44.6	30.9	49.3	43.3	33.9	26.4
5–9 years	Mäori	45.2	45.6	33.4	26.6	22.5	15.8	29.8	15.9
	Pacific	45.0	43.3	40.9	12.2	88.4	28.3	27.7	18.2
	Non-Mäori non-Pacific	30.3	26.5	20.8	19.3	20.1	24.0	16.8	11.9
10–14 years	Mäori	40.9	54.0	49.2	54.2	40.6	30.5	23.5	42.1
	Pacific	37.9	51.8	34.9	31.0	55.4	34.3	35.7	32.1
	Non-Mäori non-Pacific	31.6	31.9	26.6	19.6	20.5	20.2	15.4	18.4
15–19 years	Mäori	187.4	208.0	183.9	181.5	91.0	73.6	70.4	97.8
	Pacific	172.9	113.5	98.2	124.5	53.8	74.4	61.9	61.8
	Non-Mäori non-Pacific	119.7	140.0	108.6	93.3	51.6	51.8	45.7	48.6
20–24 years	Mäori	217.8	246.5	293.1	218.9	97.5	110.3	76.8	74.5
	Pacific	165.0	307.6	172.3	208.8	111.8	110.4	58.8	58.2
	Non-Mäori non-Pacific	171.7	172.8	170.5	110.9	65.2	54.7	55.4	35.9
25–29 years	Mäori	237.8	245.7	239.2	270.0	104.0	91.5	84.9	103.4
	Pacific	78.4	172.8	120.9	210.6	55.3	71.9	67.4	84.6
	Non-Mäori non-Pacific	133.3	144.5	139.4	120.7	53.6	58.2	49.8	38.7
30–34 years	Mäori	253.4	266.3	251.9	284.1	170.3	154.8	153.0	124.5
	Pacific	167.1	211.6	208.5	181.8	108.1	126.1	73.8	172.8
	Non-Mäori non-Pacific	125.6	131.6	124.1	101.5	69.9	64.9	60.0	51.7
35–39 years	Mäori	354.8	357.8	327.6	327.1	279.1	203.3	220.9	188.8
	Pacific	267.9	200.5	285.7	242.2	222.6	157.7	98.2	169.0
	Non-Mäori non-Pacific	158.1	140.7	149.9	129.2	96.8	91.2	83.5	62.6
40–44 years	Mäori	544.4	588.8	520.4	489.4	394.2	383.1	378.5	310.3
	Pacific	547.7	531.9	350.4	364.6	178.9	278.9	287.8	335.9
	Non-Mäori non-Pacific	245.7	222.2	189.3	163.0	172.4	146.8	127.1	109.0
45–49 years	Mäori	1040.1	908.7	905.8	812.0	759.0	722.0	692.0	588.3
	Pacific	766.2	605.5	561.8	662.8	492.6	532.7	483.0	423.2
	Non-Mäori non-Pacific	416.8	365.7	322.2	237.3	286.0	249.6	226.0	173.4
50–54 years	Mäori	1511.2	1547.5	1477.5	1546.8	1119.0	991.8	1170.8	942.2
	Pacific	1142.7	1467.7	1025.6	1205.4	906.2	744.7	736.6	717.7
	Non-Mäori non-Pacific	680.3	656.9	548.4	432.3	427.6	421.0	385.0	311.9
55–59 years	Mäori	2647.2	2423.8	2403.0	2134.8	1708.6	1837.5	1886.0	1544.7
	Pacific	2334.0	1993.8	1735.0	1841.4	810.6	779.3	912.6	1275.6
	Non-Mäori non-Pacific	1264.9	1049.4	899.5	763.5	694.5	613.2	573.2	487.4
60–64 years	Mäori	3838.7	3966.1	3824.3	3753.9	2679.4	2894.8	2792.3	2538.2
	Pacific	2869.5	3150.4	2454.0	2672.5	2127.4	2425.0	1467.8	1460.6
	Non-Mäori non-Pacific	2145.3	1885.2	1482.5	1268.2	1089.4	1008.3	875.4	774.9
65–69 years	Mäori	5515.6	5312.3	5506.9	5322.8	4242.0	4155.1	4044.4	3863.9
	Pacific	5293.2	5309.4	4891.6	4959.1	3044.4	2429.3	2395.2	2560.9
	Non-Mäori non-Pacific	3378.8	3165.1	2670.0	2078.9	1821.1	1657.9	1423.4	1216.5
70–74 years	Mäori	7967.1	7605.1	7955.2	7269.2	5610.3	4960.4	5244.6	5518.1
	Pacific	7652.3	8805.3	6554.9	7405.4	3302.6	5326.6	3982.5	4091.1
	Non-Mäori non-Pacific	5475.0	4996.2	4508.5	3681.1	3032.7	2808.8	2500.1	2021.5

**Table 52:** Age-specific mortality rates, by gender (five-year age groups) – sole series

Age group	Sole ethnic group	Males				Females			
		1980–84	1985–89	1990–95	1996–99	1980–84	1985–89	1990–95	1996–99
1–4 years	Mäori	101.8	94.2	84.0	104.4	82.6	68.3	54.9	72.5
	Pacific	111.7	84.7	111.2	44.0	71.5	89.7	51.8	38.3
	Non-Mäori non-Pacific	69.1	61.6	45.5	36.0	49.3	45.3	34.6	29.5
5–9 years	Mäori	52.5	47.9	38.1	39.1	26.2	16.6	34.0	23.3
	Pacific	39.7	44.6	43.4	13.8	78.0	29.7	29.7	17.9
	Non-Mäori non-Pacific	30.5	27.4	21.1	19.1	20.2	24.8	17.0	11.9
10–14 years	Mäori	44.8	56.2	55.3	75.6	44.6	32.4	26.7	62.7
	Pacific	34.2	51.0	37.0	29.1	50.1	33.4	38.2	34.3
	Non-Mäori non-Pacific	32.0	33.0	26.6	21.3	20.7	20.8	15.3	19.0
15–19 years	Mäori	200.2	206.6	194.2	223.0	98.5	75.1	77.6	121.9
	Pacific	163.4	99.3	102.6	126.7	50.7	65.6	64.6	62.4
	Non-Mäori non-Pacific	121.3	145.2	110.3	99.8	52.1	53.3	45.9	52.2
20–24 years	Mäori	235.0	239.4	287.2	239.4	105.4	110.1	77.8	83.3
	Pacific	162.1	257.2	169.6	206.4	107.1	91.9	58.0	39.4
	Non-Mäori non-Pacific	173.7	178.6	174.8	121.3	65.8	56.1	56.2	40.3
25–29 years	Mäori	269.5	254.3	250.2	309.1	116.8	96.4	92.1	115.1
	Pacific	77.3	159.4	124.9	204.1	53.9	66.9	70.2	74.3
	Non-Mäori non-Pacific	134.2	147.6	140.6	130.1	54.0	59.1	49.7	43.3
30–34 years	Mäori	285.5	280.0	269.2	322.5	189.9	165.2	167.3	146.8
	Pacific	165.0	197.6	214.2	171.4	106.7	118.0	76.6	147.7
	Non-Mäori non-Pacific	127.4	134.6	125.3	110.6	70.8	66.2	60.2	56.9
35–39 years	Mäori	392.9	391.6	363.8	357.6	305.7	223.9	252.2	217.2
	Pacific	267.4	195.4	300.4	218.3	220.7	155.6	103.2	165.3
	Non-Mäori non-Pacific	160.1	143.2	150.3	142.0	98.0	92.6	83.5	68.2
40–44 years	Mäori	569.8	632.0	576.0	550.9	426.2	413.9	429.1	356.2
	Pacific	534.6	533.2	362.4	369.9	176.9	283.2	298.7	330.1
	Non-Mäori non-Pacific	248.3	225.4	190.3	176.1	174.0	148.6	127.4	118.0
45–49 years	Mäori	1096.8	965.3	973.6	948.2	805.3	770.5	752.9	728.0
	Pacific	729.8	605.5	570.8	679.9	473.6	544.1	501.4	446.2
	Non-Mäori non-Pacific	420.3	368.9	324.9	251.7	288.2	251.4	227.4	181.2
50–54 years	Mäori	1613.0	1640.3	1564.6	1790.9	1227.3	1060.1	1263.4	1142.0
	Pacific	1081.7	1486.0	1039.1	1197.9	866.2	765.9	756.9	763.3
	Non-Mäori non-Pacific	687.5	662.4	552.5	455.6	430.9	423.9	387.0	323.0
55–59 years	Mäori	2924.1	2605.8	2529.0	2525.6	1890.6	2014.0	2029.4	1904.2
	Pacific	2205.7	2070.9	1766.7	1910.8	763.2	825.0	940.7	1333.8
	Non-Mäori non-Pacific	1275.1	1056.0	905.7	784.6	699.9	615.6	575.7	498.1
60–64 years	Mäori	4219.2	4281.0	3981.9	4233.5	2931.0	3131.1	2981.7	2968.4
	Pacific	2679.4	3316.8	2527.1	2729.7	2018.9	2533.8	1493.1	1538.9
	Non-Mäori non-Pacific	2160.1	1895.5	1493.3	1303.9	1097.4	1013.6	880.2	793.9
65–69 years	Mäori	5951.7	5585.5	5782.9	5945.4	4589.7	4342.7	4238.7	4468.4
	Pacific	4957.5	5157.7	4925.0	5226.7	2887.1	2537.3	2468.9	2560.2
	Non-Mäori non-Pacific	3389.8	3176.7	2679.9	2119.2	1828.7	1664.2	1428.2	1240.0
70–74 years	Mäori	8696.3	8039.8	8254.2	8828.6	6334.1	5164.5	5402.0	6400.2
	Pacific	7460.1	8840.1	6676.5	7650.3	3130.6	5467.7	4122.8	4490.3
	Non-Mäori non-Pacific	5481.0	5005.4	4519.8	3715.0	3038.6	2815.4	2506.7	2041.7