Web Annex Table 1: Age-standardised mortality rates and percentage change from preceding cohort for all cause mortality by ethnicity, period and sex, by age group , for 1996-99 onwards. (Full tables are available as web annex tables at <http://www.uow.otago.ac.nz/nzcms-info.html>)

|  | **Males** | **Females** |
| --- | --- | --- |
| **Age** | **Ethnicity** | **Year** | **Std Rate (95 CI)** | **%****diff†** | **Std Rate (95 CI)** | **%****diff†** |
|  |  |  |  |  |  |  |
| All ages | Māori | 1996-99 | 823.90 (788.98-858.82) |   | 541.30 (514.20-568.40) |   |
|   |   | 2001-04 | 697.50 (668.14-726.86) | 15.3 | 488.90 (465.73-512.07) | 9.7 |
|   |   | 2001-03 | 735.20 (701.80-768.60) | 10.8 | 517.00 (490.74-543.26) | 4.5 |
|   |   | 2003-06 | 638.10 (607.68-668.52) | 13.2 | 443.80 (420.29-467.31) | 14.2 |
|   | Pacific | 1996-99 | 625.80 (573.66-677.94) |   | 361.60 (325.24-397.96) |   |
|   |   | 2001-04 | 526.80 (486.28-567.32) | 15.8 | 323.60 (294.00-353.20) | 10.5 |
|   |   | 2001-03 | 554.60 (508.33-600.87) | 11.4 | 338.60 (305.16-372.04) | 6.4 |
|   |   | 2003-06 | 453.10 (412.69-493.51) | 18.3 | 265.10 (237.16-293.04) | 21.7 |
|   | European.Other | 1996-99 | 339.20 (332.82-345.58) |   | 194.60 (190.08-199.12) |   |
|   |   | 2001-04 | 294.20 (288.31-300.09) | 13.3 | 178.20 (173.90-182.50) | 8.4 |
|   |   | 2001-03 | 301.40 (294.88-307.92) | 11.1 | 182.20 (177.41-186.99) | 6.4 |
|   |   | 2003-06 | 262.20 (255.94-268.46) | 13.0 | 163.20 (158.66-167.74) | 10.4 |
|   | Asian | 1996-99 | 254.80 (220.36-289.24) |   | 136.10 (113.80-158.40) |   |
|   |   | 2001-04 | 187.50 (166.66-208.34) | 26.4 | 106.40 (91.74-121.06) | 21.8 |
|   |   | 2001-03 | 198.30 (174.45-222.15) | 22.2 | 113.40 (96.31-130.49) | 16.7 |
|   |   | 2003-06 | 160.60 (139.73-181.47) | 19.0 | 88.00 (74.25-101.75) | 22.4 |
|  |  |  |  |  |  |  |
| 1-14 | Māori | 1996-99 | 47.10 (36.47-57.73) |   | 35.10 (25.82-44.38) |   |
|   |   | 2001-04 | 43.40 (33.33-53.47) | 7.9 | 25.80 (18.20-33.40) | 26.5 |
|   |   | 2001-03 | 40.90 (30.43-51.37) | 13.2 | 22.80 (15.33-30.27) | 35.0 |
|   |   | 2003-06 | 33.50 (21.77-45.23) | 18.1 | 20.00 (12.11-27.89) | 12.3 |
|   | Pacific | 1996-99 | 33.70 (19.55-47.85) |   | 24.10 (11.29-36.91) |   |
|   |   | 2001-04 | 26.40 (15.78-37.02) | 21.7 | 16.80 (7.97-25.63) | 30.3 |
|   |   | 2001-03 | 25.80 (14.71-36.89) | 23.4 | 14.70 (6.39-23.01) | 39.0 |
|   |   | 2003-06 | 15.20 (6.19-24.21) | 41.1 | 14.30 (1.74-26.86) | 2.7 |
|   | European.Other | 1996-99 | 24.00 (19.64-28.36) |   | 18.10 (14.24-21.96) |   |
|   |   | 2001-04 | 18.70 (14.91-22.49) | 22.1 | 20.40 (16.23-24.57) | -12.7 |
|   |   | 2001-03 | 20.60 (16.29-24.91) | 14.2 | 21.80 (17.19-26.41) | -20.4 |
|   |   | 2003-06 | 12.80 (8.49-17.11) | 37.9 | 11.50 (7.10-15.90) | 47.2 |
|   | Asian | 1996-99 | 25.00 (7.60-42.40) |   | 9.50 (1.13-17.87) |   |
|   |   | 2001-04 | 18.60 (5.53-31.67) | 25.6 | 11.80 (2.29-21.31) | -24.2 |
|   |   | 2001-03 | 18.10 (4.25-31.95) | 27.6 | 16.00 (2.05-29.95) | -68.4 |
|   |   | 2003-06 | 24.80 (24.80-24.80) | -37.0 | 11.40 (1.19-21.61) | 28.8 |
|  |  |  |  |  |  |  |
| 15-24 | Māori | 1996-99 | 225.00 (186.77-263.23) |   | 91.90 (70.21-113.59) |   |
|   |   | 2001-04 | 164.70 (134.71-194.69) | 26.8 | 67.30 (50.37-84.23) | 26.8 |
|   |   | 2001-03 | 163.20 (130.46-195.94) | 27.5 | 79.80 (57.78-101.82) | 13.2 |
|   |   | 2003-06 | 157.40 (126.51-188.29) | 3.6 | 61.70 (43.75-79.65) | 22.7 |
|   | Pacific | 1996-99 | 166.80 (120.25-213.35) |   | 47.10 (24.76-69.44) |   |
|   |   | 2001-04 | 148.60 (107.99-189.21) | 10.9 | 57.50 (33.95-81.05) | -22.1 |
|   |   | 2001-03 | 134.50 (92.15-176.85) | 19.4 | 61.00 (34.82-87.18) | -29.5 |
|   |   | 2003-06 | 116.60 (80.25-152.95) | 13.3 | 35.30 (15.19-55.41) | 42.1 |
|   | NonMPA | 1996-99 | 112.80 (100.25-125.35) |   | 44.60 (36.97-52.23) |   |
|   |   | 2001-04 | 104.30 (92.05-116.55) | 7.5 | 36.30 (29.38-43.22) | 18.6 |
|   |   | 2001-03 | 96.90 (84.24-109.56) | 14.1 | 38.30 (30.21-46.39) | 14.1 |
|   |   | 2003-06 | 94.20 (82.14-106.26) | 2.8 | 35.20 (27.74-42.66) | 8.1 |
|   | Asian | 1996-99 | 62.00 (32.52-91.48) |   | 36.20 (16.25-56.15) |   |
|   |   | 2001-04 | 67.10 (42.17-92.03) | -8.2 | 31.80 (15.70-47.90) | 12.2 |
|   |   | 2001-03 | 75.20 (46.31-104.09) | -21.3 | 36.30 (17.92-54.68) | -0.3 |
|   |   | 2003-06 | 32.00 (11.01-52.99) | 57.4 | 10.40 (0.25-20.55) | 71.3 |
|  |  |  |  |  |  |  |
| 25-44 | Māori | 1996-99 | 316.50 (281.55-351.45) |   | 152.80 (132.98-172.62) |   |
|   |   | 2001-04 | 261.40 (232.07-290.73) | 17.4 | 145.30 (127.11-163.49) | 4.9 |
|   |   | 2001-03 | 286.90 (252.41-321.39) | 9.4 | 156.60 (135.91-177.29) | -2.5 |
|   |   | 2003-06 | 263.70 (228.92-298.48) | 8.1 | 143.30 (122.84-163.76) | 8.5 |
|   | Pacific | 1996-99 | 242.80 (196.50-289.10) |   | 152.30 (120.41-184.19) |   |
|   |   | 2001-04 | 192.40 (155.70-229.10) | 20.8 | 110.10 (85.50-134.70) | 27.7 |
|   |   | 2001-03 | 218.10 (172.80-263.40) | 10.2 | 117.80 (89.52-146.08) | 22.7 |
|   |   | 2003-06 | 198.80 (153.56-244.04) | 8.8 | 84.00 (60.93-107.07) | 28.7 |
|   | European.Other | 1996-99 | 134.00 (125.07-142.93) |   | 63.40 (58.18-68.62) |   |
|   |   | 2001-04 | 115.70 (107.40-124.00) | 13.7 | 63.40 (58.04-68.76) | 0.0 |
|   |   | 2001-03 | 125.40 (115.70-135.10) | 6.4 | 65.80 (59.70-71.90) | -3.8 |
|   |   | 2003-06 | 109.10 (99.24-118.96) | 13.0 | 59.20 (53.10-65.30) | 10.0 |
|   | Asian | 1996-99 | 86.20 (58.80-113.60) |   | 52.00 (35.73-68.27) |   |
|   |   | 2001-04 | 76.00 (54.20-97.80) | 11.8 | 42.30 (29.48-55.12) | 18.7 |
|   |   | 2001-03 | 85.30 (58.35-112.25) | 1.0 | 45.90 (30.74-61.06) | 11.7 |
|   |   | 2003-06 | 47.90 (27.53-68.27) | 43.8 | 34.90 (20.99-48.81) | 24.0 |
|  |  |  |  |  |  |  |
| 45-64 | Māori | 1996-99 | 1742.40 (1635.45-1849.35) |   | 1175.60 (1091.00-1260.20) |   |
|   |   | 2001-04 | 1431.50 (1343.16-1519.84) | 17.8 | 1052.20 (979.39-1125.01) | 10.5 |
|   |   | 2001-03 | 1509.10 (1409.08-1609.12) | 13.4 | 1108.50 (1026.40-1190.60) | 5.7 |
|   |   | 2003-06 | 1284.10 (1192.89-1375.31) | 14.9 | 947.50 (873.82-1021.18) | 14.5 |
|   | Pacific | 1996-99 | 1294.40 (1137.41-1451.39) |   | 738.60 (625.11-852.09) |   |
|   |   | 2001-04 | 1049.70 (929.96-1169.44) | 18.9 | 705.40 (610.70-800.10) | 4.5 |
|   |   | 2001-03 | 1083.00 (949.35-1216.65) | 16.3 | 738.90 (631.52-846.28) | 0.0 |
|   |   | 2003-06 | 842.30 (728.22-956.38) | 22.2 | 577.70 (491.54-663.86) | 21.8 |
|   | European.Other | 1996-99 | 582.70 (564.54-600.86) |   | 380.90 (366.73-395.07) |   |
|   |   | 2001-04 | 516.50 (500.18-532.82) | 11.4 | 342.60 (329.83-355.37) | 10.1 |
|   |   | 2001-03 | 522.60 (504.71-540.49) | 10.3 | 346.90 (332.84-360.96) | 8.9 |
|   |   | 2003-06 | 457.70 (440.83-474.57) | 12.4 | 319.40 (306.13-332.67) | 7.9 |
|   | Asian | 1996-99 | 503.90 (403.78-604.02) |   | 260.80 (195.09-326.51) |   |
|   |   | 2001-04 | 328.60 (270.74-386.46) | 34.8 | 181.10 (140.16-222.04) | 30.6 |
|   |   | 2001-03 | 321.40 (259.55-383.25) | 36.2 | 180.70 (134.87-226.53) | 30.7 |
|   |   | 2003-06 | 333.20 (273.33-393.07) | -3.7 | 166.80 (128.34-205.26) | 7.7 |
|  |  |  |  |  |  |  |
| 65-74 | Maori | 1996-99 | 5756.60 (5322.70-6190.50) |  | 4136.40 (3783.82-4488.98) |  |
|   |   | 2001-04 | 5142.80 (4771.09-5514.51) | 10.7 | 3808.90 (3510.33-4107.47) | 7.9 |
|   |   | 2001-03 | 5411.10 (4987.82-5834.38) | 6.0 | 4021.50 (3682.89-4360.11) | 2.8 |
|   |   | 2003-06 | 4670.40 (4296.75-5044.05) | 13.7 | 3435.90 (3137.07-3734.73) | 14.6 |
|   | Pacific | 1996-99 | 4492.40 (3812.11-5172.69) |   | 2699.40 (2233.44-3165.36) |   |
|   |   | 2001-04 | 3982.80 (3451.45-4514.15) | 11.3 | 2368.10 (1996.32-2739.88) | 12.3 |
|   |   | 2001-03 | 4268.50 (3656.35-4880.65) | 5.0 | 2471.30 (2052.47-2890.13) | 8.5 |
|   |   | 2003-06 | 3537.90 (3008.63-4067.17) | 17.1 | 2011.90 (1650.42-2373.38) | 18.6 |
|   | European.Other | 1996-99 | 2773.50 (2707.72-2839.28) |   | 1535.20 (1488.50-1581.90) |   |
|   |   | 2001-04 | 2356.10 (2294.68-2417.52) | 15.0 | 1394.90 (1349.43-1440.37) | 9.1 |
|   |   | 2001-03 | 2424.10 (2356.11-2492.09) | 12.6 | 1425.40 (1375.12-1475.68) | 7.2 |
|   |   | 2003-06 | 2090.10 (2026.51-2153.69) | 13.8 | 1276.70 (1229.64-1323.76) | 10.4 |
|   | Asian | 1996-99 | 1954.30 (1491.47-2417.13) |   | 1050.60 (749.58-1351.62) |   |
|   |   | 2001-04 | 1457.00 (1188.09-1725.91) | 25.4 | 866.80 (671.53-1062.07) | 17.5 |
|   |   | 2001-03 | 1606.00 (1289.97-1922.03) | 17.8 | 941.80 (712.15-1171.45) | 10.4 |
|   |   | 2003-06 | 1189.80 (938.36-1441.24) | 25.9 | 696.00 (515.35-876.65) | 26.1 |

† 2001-04 compared to 1996-99; 2001-03 compared to 1996-99; and 2003-06 compared to 2001-03.

Web Annex Table 2: Age-standardised mortality rates and percentage change from preceding cohort for cause-specific mortality by ethnicity, period and sex, by ICD, for 1996-99 onwards. (Full tables are available as web annex tables at <http://www.uow.otago.ac.nz/nzcms-info.html>)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | **Males** | **Females** |
| **ICD** | **Ethnicity** | **Year** | **Std Rate (95 CI)** | **%****change†** | **Std Rate (95 CI)** | **%****change†** |
|  |
| Cardiovascular Disease | Maori | 1996-99 | 315.40 (293.40-337.40) |  | 178.00 (162.16-193.84) |  |
|  | 2001-04 | 250.10 (232.46-267.74) | 20.7 | 146.80 (133.96-159.64) | 17.5 |
|  |  | 2001-03 | 267.90 (247.86-287.94) | 15.1 | 155.30 (140.80-169.80) | 12.8 |
|  |  | 2003-06 | 212.50 (194.92-230.08) | 20.7 | 119.40 (106.94-131.86) | 23.1 |
|  | Pacific | 1996-99 | 241.20 (208.83-273.57) |  | 118.10 (97.44-138.76) |  |
|  |  | 2001-04 | 195.50 (170.72-220.28) | 18.9 | 91.80 (76.07-107.53) | 22.3 |
|  |  | 2001-03 | 207.50 (179.14-235.86) | 14.0 | 101.90 (83.53-120.27) | 13.7 |
|  |  | 2003-06 | 159.50 (135.42-183.58) | 23.1 | 73.20 (58.14-88.26) | 28.2 |
|  | European.Other | 1996-99 | 112.30 (108.92-115.68) |  | 44.80 (42.77-46.83) |  |
|  |  | 2001-04 | 83.70 (80.83-86.57) | 25.5 | 36.30 (34.51-38.09) | 19.0 |
|  |  | 2001-03 | 86.40 (83.20-89.60) | 23.1 | 37.20 (35.20-39.20) | 17.0 |
|  |  | 2003-06 | 72.60 (69.58-75.62) | 16.0 | 30.30 (28.49-32.11) | 18.5 |
|  | Asian | 1996-99 | 112.20 (88.29-136.11) |  | 36.30 (23.42-49.18) |  |
|  |  | 2001-04 | 63.70 (51.12-76.28) | 43.2 | 29.90 (21.73-38.07) | 17.6 |
|  |  | 2001-03 | 67.20 (52.84-81.56) | 40.1 | 32.10 (22.57-41.63) | 11.6 |
|  |  | 2003-06 | 52.40 (40.51-64.29) | 22.0 | 15.30 (9.29-21.31) | 52.3 |
|  |
| Lung Cancer | Maori | 1996-99 | 84.40 (73.15-95.65) |  | 61.90 (52.43-71.37) |  |
|  |  | 2001-04 | 60.80 (51.83-69.77) | 28.0 | 62.10 (53.63-70.57) | -0.3 |
|  |  | 2001-03 | 65.00 (54.58-75.42) | 23.0 | 64.30 (54.87-73.73) | -3.9 |
|  |  | 2003-06 | 65.50 (55.51-75.49) | -0.8 | 57.10 (48.59-65.61) | 11.2 |
|  | Pacific | 1996-99 | 54.40 (38.26-70.54) |  | 18.80 (9.93-27.67) |  |
|  |  | 2001-04 | 24.10 (14.65-33.55) | 55.7 | 24.20 (15.93-32.47) | -28.7 |
|  |  | 2001-03 | 27.00 (15.82-38.18) | 50.4 | 21.50 (13.10-29.90) | -14.4 |
|  |  | 2003-06 | 37.90 (25.53-50.27) | -40.4 | 18.90 (11.37-26.43) | 12.1 |
|  | European.Other | 1996-99 | 24.80 (23.25-26.35) |  | 14.20 (13.03-15.37) |  |
|  |  | 2001-04 | 22.60 (21.13-24.07) | 8.9 | 14.60 (13.45-15.75) | -2.8 |
|  |  | 2001-03 | 23.10 (21.48-24.72) | 6.9 | 15.10 (13.82-16.38) | -6.3 |
|  |  | 2003-06 | 21.20 (19.65-22.75) | 8.2 | 13.30 (12.13-14.47) | 11.9 |
|  | Asian | 1996-99 | 11.30 (4.08-18.52) |  | 6.00 (1.47-10.53) |  |
|  |  | 2001-04 | 11.00 (5.83-16.17) | 2.7 | 6.60 (2.77-10.43) | -10.0 |
|  |  | 2001-03 | 10.00 (4.71-15.29) | 11.5 | 6.50 (2.09-10.91) | -8.3 |
|  |  | 2003-06 | 8.60 (4.18-13.02) | 14.0 | 6.10 (2.31-9.89) | 6.2 |
|  |
| Other (not lung) Cancers | Maori | 1996-99 | 133.10 (119.27-146.93) |  | 128.20 (115.34-141.06) |  |
|  | 2001-04 | 142.40 (128.94-155.86) | -7.0 | 117.00 (105.73-128.27) | 8.7 |
|  |  | 2001-03 | 147.90 (132.65-163.15) | -11.1 | 125.70 (112.80-138.60) | 2.0 |
|  |  | 2003-06 | 129.90 (116.15-143.65) | 12.2 | 114.80 (103.12-126.48) | 8.7 |
|  | Pacific | 1996-99 | 121.00 (97.77-144.23) |  | 105.10 (84.98-125.22) |  |
|  |  | 2001-04 | 110.30 (91.01-129.59) | 8.8 | 98.10 (81.51-114.69) | 6.7 |
|  |  | 2001-03 | 115.50 (93.84-137.16) | 4.5 | 98.70 (80.43-116.97) | 6.1 |
|  |  | 2003-06 | 90.30 (72.06-108.54) | 21.8 | 74.10 (59.69-88.51) | 24.9 |
|  | European.Other | 1996-99 | 90.30 (87.22-93.38) |  | 81.80 (78.96-84.64) |  |
|  |  | 2001-04 | 87.80 (84.81-90.79) | 2.8 | 74.20 (71.50-76.90) | 9.3 |
|  |  | 2001-03 | 90.10 (86.76-93.44) | 0.2 | 74.90 (71.93-77.87) | 8.4 |
|  |  | 2003-06 | 78.70 (75.51-81.89) | 12.7 | 71.50 (68.56-74.44) | 4.5 |
|  | Asian | 1996-99 | 46.60 (32.49-60.71) |  | 42.80 (31.38-54.22) |  |
|  |  | 2001-04 | 46.50 (36.39-56.61) | 0.2 | 35.00 (26.74-43.26) | 18.2 |
|  |  | 2001-03 | 49.80 (38.20-61.40) | -6.9 | 37.60 (27.81-47.39) | 12.1 |
|  |  | 2003-06 | 40.60 (30.66-50.54) | 18.5 | 33.20 (25.02-41.38) | 11.7 |
|  |
| Chronic Lung Disease | Maori | 1996-99 | 38.30 (30.35-46.25) |  | 40.30 (32.60-48.00) |  |
|  | 2001-04 | 38.20 (31.04-45.36) | 0.3 | 45.30 (38.05-52.55) | -12.4 |
|  |  | 2001-03 | 42.00 (33.71-50.29) | -9.7 | 46.40 (38.43-54.37) | -15.1 |
|  |  | 2003-06 | 29.10 (22.44-35.76) | 30.7 | 39.80 (32.42-47.18) | 14.2 |
|  | Pacific | 1996-99 | 28.00 (15.67-40.33) |  | 8.00 (2.72-13.28) |  |
|  |  | 2001-04 | 17.50 (9.56-25.44) | 37.5 | 13.00 (6.99-19.01) | -62.5 |
|  |  | 2001-03 | 19.30 (9.99-28.61) | 31.1 | 16.00 (8.15-23.85) | -100.0 |
|  |  | 2003-06 | 16.20 (8.07-24.33) | 16.1 | 11.60 (5.41-17.79) | 27.5 |
|  | European/Other | 1996-99 | 15.30 (14.09-16.51) |  | 11.20 (10.19-12.21) |  |
|  |  | 2001-04 | 12.10 (11.05-13.15) | 20.9 | 10.10 (9.17-11.03) | 9.8 |
|  |  | 2001-03 | 13.80 (12.54-15.06) | 9.8 | 11.20 (10.09-12.31) | 0.0 |
|  |  | 2003-06 | 10.10 (9.02-11.18) | 26.8 | 9.30 (8.31-10.29) | 17.0 |
|  | Asian | 1996-99 | 3.30 (3.30-3.30) |  | 2.20 (2.20-2.20) |  |
|  |  | 2001-04 | 2.70 (0.03-5.37) | 18.2 | 0.60 (0.60-0.60) | 72.7 |
|  |  | 2001-03 | 3.20 (3.20-3.20) | 3.0 | 0.30 (0.30-0.30) | 86.4 |
|  |  | 2003-06 | 5.50 (1.64-9.36) | -71.9 | 3.10 (0.60-5.60) | -933.3 |
|  |
| Unintentional Injury | Maori | 1996-99 | 70.80 (61.25-80.35) |  | 21.30 (16.74-25.86) |  |
|  | 2001-04 | 56.80 (48.81-64.79) | 19.8 | 22.40 (18.05-26.75) | -5.2 |
|  |  | 2001-03 | 56.40 (47.65-65.15) | 20.3 | 24.50 (19.13-29.87) | -15.0 |
|  |  | 2003-06 | 52.00 (43.55-60.45) | 7.8 | 19.10 (14.55-23.65) | 22.0 |
|  | Pacific | 1996-99 | 39.40 (28.40-50.40) |  | 10.20 (4.89-15.51) |  |
|  |  | 2001-04 | 39.30 (29.68-48.92) | 0.3 | 7.20 (3.44-10.96) | 29.4 |
|  |  | 2001-03 | 43.00 (31.38-54.62) | -9.1 | 7.50 (2.88-12.12) | 26.5 |
|  |  | 2003-06 | 25.00 (16.17-33.83) | 41.9 | 6.20 (2.26-10.14) | 17.3 |
|  | European/Other | 1996-99 | 30.00 (27.53-32.47) |  | 10.00 (8.66-11.34) |  |
|  |  | 2001-04 | 30.10 (27.66-32.54) | -0.3 | 9.70 (8.41-10.99) | 3.0 |
|  |  | 2001-03 | 30.00 (27.35-32.65) | 0.0 | 9.80 (8.36-11.24) | 2.0 |
|  |  | 2003-06 | 25.30 (22.83-27.77) | 15.7 | 7.40 (6.22-8.58) | 24.5 |
|  | Asian | 1996-99 | 27.40 (16.75-38.05) |  | 6.80 (2.19-11.41) |  |
|  |  | 2001-04 | 16.50 (10.31-22.69) | 39.8 | 7.10 (3.34-10.86) | -4.4 |
|  |  | 2001-03 | 17.00 (10.39-23.61) | 38.0 | 7.00 (2.90-11.10) | -2.9 |
|  |  | 2003-06 | 8.50 (2.54-14.46) | 50.0 | 6.40 (2.85-9.95) | 8.6 |
|  |
| Suicide | Maori | 1996-99 | 39.40 (31.71-47.09) |  | 10.50 (7.35-13.65) |  |
|  |  | 2001-04 | 28.00 (22.40-33.60) | 28.9 | 7.90 (5.34-10.46) | 24.8 |
|  |  | 2001-03 | 29.30 (23.02-35.58) | 25.6 | 6.80 (4.27-9.33) | 35.2 |
|  |  | 2003-06 | 28.70 (22.31-35.09) | 2.0 | 10.60 (7.36-13.84) | -55.9 |
|  | Pacific | 1996-99 | 20.10 (11.98-28.22) |  | 6.20 (2.47-9.93) |  |
|  |  | 2001-04 | 17.40 (11.33-23.47) | 13.4 | 4.80 (1.33-8.27) | 22.6 |
|  |  | 2001-03 | 16.00 (9.17-22.83) | 20.4 | 2.50 (0.28-4.72) | 59.7 |
|  |  | 2003-06 | 22.40 (14.04-30.76) | -40.0 | 5.00 (1.39-8.61) | -100.0 |
|  | European/Other | 1996-99 | 25.60 (23.37-27.83) |  | 6.50 (5.46-7.54) |  |
|  |  | 2001-04 | 20.20 (18.24-22.16) | 21.1 | 6.70 (5.65-7.75) | -3.1 |
|  |  | 2001-03 | 20.20 (18.10-22.30) | 21.1 | 6.80 (5.67-7.93) | -4.6 |
|  |  | 2003-06 | 19.30 (17.15-21.45) | 4.5 | 6.00 (4.87-7.13) | 11.8 |
|  | Asian | 1996-99 | 11.00 (4.04-17.96) |  | 6.90 (2.88-10.92) |  |
|  |  | 2001-04 | 10.40 (5.71-15.09) | 5.5 | 5.80 (2.26-9.34) | 15.9 |
|  |  | 2001-03 | 11.00 (5.84-16.16) | 0.0 | 4.80 (1.91-7.69) | 30.4 |
|  |  | 2003-06 | 9.10 (3.80-14.40) | 17.3 | 5.00 (1.79-8.21) | -4.2 |
|  |
| Ischaemic Heart Disease | Maori | 1996-99 | 202.20 (184.70-219.70) |  | 92.50 (81.13-103.87) |  |
|  | 2001-04 | 159.50 (145.45-173.55) | 21.1 | 75.70 (66.44-84.96) | 18.2 |
|  |  | 2001-03 | 169.20 (153.31-185.09) | 16.3 | 82.40 (71.73-93.07) | 10.9 |
|  |  | 2003-06 | 140.00 (125.75-154.25) | 17.3 | 60.40 (51.37-69.43) | 26.7 |
|  | Pacific | 1996-99 | 151.00 (125.22-176.78) |  | 50.70 (37.20-64.20) |  |
|  |  | 2001-04 | 109.70 (91.05-128.35) | 27.4 | 41.90 (30.95-52.85) | 17.4 |
|  |  | 2001-03 | 114.80 (93.89-135.71) | 24.0 | 41.60 (29.78-53.42) | 17.9 |
|  |  | 2003-06 | 92.60 (74.39-110.81) | 19.3 | 33.70 (23.74-43.66) | 19.0 |
|  | European/Other | 1996-99 | 80.00 (77.16-82.84) |  | 23.90 (22.44-25.36) |  |
|  |  | 2001-04 | 56.90 (54.55-59.25) | 28.9 | 19.10 (17.82-20.38) | 20.1 |
|  |  | 2001-03 | 58.80 (56.18-61.42) | 26.5 | 19.20 (17.81-20.59) | 19.7 |
|  |  | 2003-06 | 48.70 (46.27-51.13) | 17.2 | 15.50 (14.24-16.76) | 19.3 |
|  | Asian | 1996-99 | 88.30 (66.88-109.72) |  | 19.40 (9.65-29.15) |  |
|  |  | 2001-04 | 42.10 (31.97-52.23) | 52.3 | 15.30 (9.05-21.55) | 21.1 |
|  |  | 2001-03 | 46.20 (34.16-58.24) | 47.7 | 17.60 (10.22-24.98) | 9.3 |
|  |  | 2003-06 | 32.80 (23.54-42.06) | 29.0 | 5.70 (2.12-9.28) | 67.6 |
|  |
| Chronic Pulmonary Disease | Maori | 1996-99 | 32.10 (24.70-39.50) |  | 31.80 (24.93-38.67) |  |
|  | 2001-04 | 36.90 (29.86-43.94) | -15.0 | 41.00 (34.05-47.95) | -28.9 |
|  |  | 2001-03 | 40.70 (32.51-48.89) | -26.8 | 41.20 (33.62-48.78) | -29.6 |
|  |  | 2003-06 | 26.80 (20.39-33.21) | 34.2 | 35.70 (28.65-42.75) | 13.3 |
|  | Pacific | 1996-99 | 23.50 (11.87-35.13) |  | 6.10 (1.46-10.74) |  |
|  |  | 2001-04 | 15.20 (7.70-22.70) | 35.3 | 8.70 (3.60-13.80) | -42.6 |
|  |  | 2001-03 | 17.00 (8.01-25.99) | 27.7 | 12.20 (5.17-19.23) | -100.0 |
|  |  | 2003-06 | 13.60 (6.00-21.20) | 20.0 | 10.40 (4.44-16.36) | 14.8 |
|  | European/Other | 1996-99 | 13.30 (12.19-14.41) |  | 9.40 (8.50-10.30) |  |
|  |  | 2001-04 | 11.70 (10.68-12.72) | 12.0 | 9.50 (8.60-10.40) | -1.1 |
|  |  | 2001-03 | 13.20 (11.99-14.41) | 0.8 | 10.30 (9.27-11.33) | -9.6 |
|  |  | 2003-06 | 9.60 (8.57-10.63) | 27.3 | 8.60 (7.68-9.52) | 16.5 |
|  | Asian | 1996-99 | 1.50 (1.50-1.50) |  | 0.00 (0.00-0.00) |  |
|  |  | 2001-04 | 1.50 (1.50-1.50) | 0.0 | 0.00 (0.00-0.00) | 0.0 |
|  |  | 2001-03 | 1.10 (1.10-1.10) | 26.7 | 0.00 (0.00-0.00) | 0.0 |
|  |  | 2003-06 | 5.50 (1.64-9.36) | -400.0 | 2.70 (0.33-5.07) | 0.0 |
|  |
| Colorectal Cancer | Maori | 1996-99 | 19.70 (14.45-24.95) |  | 11.60 (7.70-15.50) |  |
|  |  | 2001-04 | 21.00 (15.73-26.27) | -6.6 | 8.60 (5.52-11.68) | 25.9 |
|  |  | 2001-03 | 21.40 (15.49-27.31) | -8.6 | 8.70 (5.35-12.05) | 25.0 |
|  |  | 2003-06 | 18.60 (13.34-23.86) | 13.1 | 10.20 (6.64-13.76) | -17.2 |
|  | Pacific | 1996-99 | 19.90 (10.38-29.42) |  | 7.80 (2.29-13.31) |  |
|  |  | 2001-04 | 7.10 (2.39-11.81) | 64.3 | 9.80 (4.61-14.99) | -25.6 |
|  |  | 2001-03 | 9.20 (3.04-15.36) | 53.8 | 9.90 (4.18-15.62) | -26.9 |
|  |  | 2003-06 | 5.90 (0.67-11.13) | 35.9 | 5.40 (1.56-9.24) | 45.5 |
|  | European/Other | 1996-99 | 20.30 (18.87-21.73) |  | 14.30 (13.13-15.47) |  |
|  |  | 2001-04 | 17.40 (16.10-18.70) | 14.3 | 12.60 (11.53-13.67) | 11.9 |
|  |  | 2001-03 | 17.90 (16.46-19.34) | 11.8 | 12.90 (11.69-14.11) | 9.8 |
|  |  | 2003-06 | 15.60 (14.26-16.94) | 12.8 | 12.80 (11.62-13.98) | 0.8 |
|  | Asian | 1996-99 | 8.20 (2.22-14.18) |  | 4.40 (0.38-8.42) |  |
|  |  | 2001-04 | 5.50 (2.02-8.98) | 32.9 | 2.00 (0.34-3.66) | 54.5 |
|  |  | 2001-03 | 6.80 (2.42-11.18) | 17.1 | 3.30 (0.09-6.51) | 25.0 |
|  |  | 2003-06 | 5.50 (1.48-9.52) | 19.1 | 2.20 (2.20-2.20) | 33.3 |
|  |
| Prostate Cancer (males)Breast Cancer (females) | Maori | 1996-99 | 11.80 (7.48-16.12) |  | 34.80 (28.33-41.27) |  |
|  | 2001-04 | 14.50 (9.96-19.04) | -22.9 | 33.20 (27.38-39.02) | 4.6 |
|  |  | 2001-03 | 16.40 (11.02-21.78) | -39.0 | 37.20 (30.25-44.15) | -6.9 |
|  |  | 2003-06 | 13.10 (8.45-17.75) | 20.1 | 31.50 (25.49-37.51) | 15.3 |
|  | Pacific | 1996-99 | 11.30 (3.49-19.11) |  | 29.50 (18.96-40.04) |  |
|  |  | 2001-04 | 16.50 (8.39-24.61) | -46.0 | 23.00 (15.32-30.68) | 22.0 |
|  |  | 2001-03 | 20.00 (10.20-29.80) | -77.0 | 24.00 (15.13-32.87) | 18.6 |
|  |  | 2003-06 | 5.90 (0.73-11.07) | 70.5 | 18.30 (11.45-25.15) | 23.8 |
|  | European/Other | 1996-99 | 8.80 (7.91-9.69) |  | 21.10 (19.65-22.55) |  |
|  |  | 2001-04 | 8.60 (7.72-9.48) | 2.3 | 19.30 (17.93-20.67) | 8.5 |
|  |  | 2001-03 | 8.70 (7.73-9.67) | 1.1 | 20.10 (18.56-21.64) | 4.7 |
|  |  | 2003-06 | 7.50 (6.61-8.39) | 13.8 | 18.60 (17.12-20.08) | 7.5 |
|  | Asian | 1996-99 | 1.40 (1.40-1.40) |  | 13.80 (7.61-19.99) |  |
|  |  | 2001-04 | 2.80 (0.07-5.53) | -100.0 | 6.70 (3.55-9.85) | 51.4 |
|  |  | 2001-03 | 3.30 (0.03-6.57) | -135.7 | 6.30 (2.95-9.65) | 54.3 |
|  |  | 2003-06 | 0.90 (0.90-0.90) | 72.7 | 9.70 (5.50-13.90) | -54.0 |
|  |
| Stroke | Maori | 1996-99 | 29.50 (22.62-36.38) |  | 29.50 (22.79-36.21) |  |
|  |  | 2001-04 | 21.50 (16.29-26.71) | 27.1 | 27.70 (22.14-33.26) | 6.1 |
|  |  | 2001-03 | 22.70 (16.77-28.63) | 23.1 | 27.60 (21.59-33.61) | 6.4 |
|  |  | 2003-06 | 15.40 (10.59-20.21) | 32.2 | 24.60 (19.05-30.15) | 10.9 |
|  | Pacific | 1996-99 | 33.00 (20.66-45.34) |  | 28.20 (18.00-38.40) |  |
|  |  | 2001-04 | 27.30 (17.98-36.62) | 17.3 | 19.90 (12.59-27.21) | 29.4 |
|  |  | 2001-03 | 28.80 (18.11-39.49) | 12.7 | 24.70 (15.44-33.96) | 12.4 |
|  |  | 2003-06 | 27.40 (16.76-38.04) | 4.9 | 19.50 (11.54-27.46) | 21.1 |
|  | European/Other | 1996-99 | 13.50 (12.32-14.68) |  | 10.60 (9.59-11.61) |  |
|  |  | 2001-04 | 11.20 (10.16-12.24) | 17.0 | 9.10 (8.21-9.99) | 14.2 |
|  |  | 2001-03 | 11.80 (10.62-12.98) | 12.6 | 9.60 (8.58-10.62) | 9.4 |
|  |  | 2003-06 | 9.40 (8.34-10.46) | 20.3 | 7.80 (6.89-8.71) | 18.8 |
|  | Asian | 1996-99 | 18.20 (8.93-27.47) |  | 9.90 (3.11-16.69) |  |
|  |  | 2001-04 | 12.30 (6.54-18.06) | 32.4 | 8.90 (4.67-13.13) | 10.1 |
|  |  | 2001-03 | 12.60 (6.32-18.88) | 30.8 | 7.80 (3.30-12.30) | 21.2 |
|  |  | 2003-06 | 11.00 (5.37-16.63) | 12.7 | 7.30 (2.92-11.68) | 6.4 |

† 2001-04 compared to 1996-99; 2001-03 compared to 1996-99; and 2003-06 compared to 2001-03.

Web Annex Table 3: Age-standardised mortality rate ratios (SRR) and rate differences (SRD) for all cause mortality by ethnicity, by sex by age group. *NOTE: SRD’s in 2003-06 may be systematically underestimated for all ethnic groups, and SRRs for Pacific and Asian may be systematically underestimated.*

|  | **Males** | **Females** |
| --- | --- | --- |
| **Age** | **Ethnicity** | **Cohort** | **SRR (95% CI)** | **SRD (95% CI)** | **SRR (95% CI)** | **SRD(95% CI)** |
|  |
| All ages | Māori | 1996-99 | 2.43 (2.32 - 2.54) | 485 (449 - 520) | 2.78 (2.63 - 2.94) | 347 (319 - 374) |
|  |  | 2001-04 | 2.37 (2.26 - 2.48) | 403 (373 - 433) | 2.74 (2.60 - 2.89) | 311 (287 - 334) |
|  |  | 2001-03 | 2.44 (2.32 - 2.57) | 434 (400 - 468) | 2.84 (2.68 - 3.01) | 335 (308 - 362) |
|  |  | 2003-06 | 2.43 (2.31 - 2.57) | 376 (345 - 407) | 2.72 (2.56 - 2.89) | 281 (257 - 305) |
|  | Pacific | 1996-99 | 1.84 (1.69 - 2.01) | 287 (234 - 339) | 1.86 (1.68 - 2.06) | 167 (130 - 204) |
|  |  | 2001-04 | 1.79 (1.65 - 1.94) | 233 (192 - 274) | 1.82 (1.65 - 2.00) | 145 (116 - 175) |
|  |  | 2001-03 | 1.84 (1.69 - 2.01) | 253 (206 - 300) | 1.86 (1.68 - 2.06) | 156 (123 - 190) |
|  |  | 2003-06 | 1.73 (1.58 - 1.89) | 191 (150 - 232) | 1.62 (1.46 - 1.81) | 102 (74 - 130) |
|  | Asian | 1996-99 | 0.75 (0.66 - 0.86) | -84 (-119 - -49) | 0.70 (0.59 - 0.83) | -59 (-81 - -36) |
|  |  | 2001-04 | 0.64 (0.57 - 0.71) | -107 (-128 - -85) | 0.60 (0.52 - 0.69) | -72 (-87 - -57) |
|  |  | 2001-03 | 0.66 (0.58 - 0.74) | -103 (-128 - -78) | 0.62 (0.53 - 0.73) | -69 (-87 - -51) |
|  |  | 2003-06 | 0.61 (0.54 - 0.70) | -102 (-123 - -80) | 0.54 (0.46 - 0.63) | -75 (-90 - -61) |
|  |
| 1-14 | Māori | 1996-99 | 1.97 (1.47 - 2.63) | 23 (12 - 35) | 1.94 (1.38 - 2.72) | 17 (7 - 27) |
|  |  | 2001-04 | 2.32 (1.71 - 3.16) | 25 (14 - 35) | 1.27 (0.89 - 1.81) | 6 (-3 - 14) |
|  |  | 2001-03 | 1.99 (1.43 - 2.77) | 20 (9 - 32) | 1.05 (0.71 - 1.55) | 1 (-8 - 10) |
|  |  | 2003-06 | 2.62 (1.61 - 4.26) | 21 (8 - 33) | 1.73 (1.00 - 3.00) | 8 (-1 - 18) |
|  | Pacific | 1996-99 | 1.41 (0.89 - 2.22) | 10 (-5 - 25) | 1.33 (0.75 - 2.36) | 6 (-7 - 19) |
|  |  | 2001-04 | 1.41 (0.90 - 2.22) | 8 (-4 - 19) | 0.82 (0.47 - 1.45) | -4 (-13 - 6) |
|  |  | 2001-03 | 1.25 (0.78 - 2.02) | 5 (-7 - 17) | 0.67 (0.37 - 1.23) | -7 (-17 - 2) |
|  |  | 2003-06 | 1.19 (0.60 - 2.35) | 2 (-8 - 12) | 1.24 (0.47 - 3.23) | 3 (-11 - 16) |
|  | Asian | 1996-99 | 1.04 (0.51 - 2.14) | 1 (-17 - 19) | 0.53 (0.21 - 1.30) | -9 (-18 - 1) |
|  |  | 2001-04 | 0.99 (0.48 - 2.06) | -0 (-14 - 14) | 0.58 (0.25 - 1.33) | -9 (-19 - 2) |
|  |  | 2001-03 | 0.88 (0.40 - 1.95) | -2 (-17 - 12) | 0.73 (0.30 - 1.80) | -6 (-21 - 9) |
|  |  | 2003-06 | 1.94 (0.67 - 5.59) | 12 (-13 - 37) | 0.99 (0.37 - 2.61) | -0 (-11 - 11) |
|  |
| 15-24 | Māori | 1996-99 | 2.00 (1.63 - 2.44) | 112 (72 - 153) | 2.06 (1.54 - 2.76) | 47 (24 - 70) |
|  |  | 2001-04 | 1.58 (1.27 - 1.96) | 60 (28 - 93) | 1.85 (1.35 - 2.54) | 31 (13 - 49) |
|  |  | 2001-03 | 1.68 (1.33 - 2.14) | 66 (31 - 101) | 2.08 (1.47 - 2.95) | 42 (18 - 65) |
|  |  | 2003-06 | 1.67 (1.32 - 2.11) | 63 (30 - 96) | 1.75 (1.22 - 2.51) | 27 (7 - 46) |
|  | Pacific | 1996-99 | 1.48 (1.10 - 2.00) | 54 (6 - 102) | 1.06 (0.64 - 1.75) | 3 (-21 - 26) |
|  |  | 2001-04 | 1.42 (1.06 - 1.92) | 44 (2 - 87) | 1.58 (1.01 - 2.49) | 21 (-3 - 46) |
|  |  | 2001-03 | 1.39 (0.99 - 1.95) | 38 (-7 - 82) | 1.59 (0.99 - 2.57) | 23 (-5 - 50) |
|  |  | 2003-06 | 1.24 (0.88 - 1.73) | 22 (-16 - 61) | 1.00 (0.55 - 1.84) | 0 (-21 - 22) |
|  | Asian | 1996-99 | 0.55 (0.34 - 0.90) | -51 (-83 - -19) | 0.81 (0.46 - 1.45) | -8 (-30 - 13) |
|  |  | 2001-04 | 0.64 (0.44 - 0.95) | -37 (-65 - -10) | 0.87 (0.51 - 1.50) | -5 (-22 - 13) |
|  |  | 2001-03 | 0.78 (0.52 - 1.16) | -22 (-53 - 10) | 0.95 (0.55 - 1.64) | -2 (-22 - 18) |
|  |  | 2003-06 | 0.34 (0.17 - 0.66) | -62 (-86 - -38) | 0.29 (0.11 - 0.80) | -25 (-37 - -12) |
|  |
| 25-44 | Māori | 1996-99 | 2.36 (2.08 - 2.69) | 183 (146 - 219) | 2.41 (2.07 - 2.81) | 89 (69 - 110) |
|  |  | 2001-04 | 2.26 (1.98 - 2.58) | 146 (115 - 176) | 2.29 (1.97 - 2.67) | 82 (63 - 101) |
|  |  | 2001-03 | 2.29 (1.98 - 2.64) | 162 (126 - 197) | 2.38 (2.03 - 2.80) | 91 (69 - 112) |
|  |  | 2003-06 | 2.42 (2.06 - 2.84) | 155 (119 - 191) | 2.42 (2.03 - 2.89) | 84 (63 - 106) |
|  | Pacific | 1996-99 | 1.81 (1.48 - 2.22) | 109 (62 - 156) | 2.40 (1.92 - 3.01) | 89 (57 - 121) |
|  |  | 2001-04 | 1.66 (1.36 - 2.04) | 77 (39 - 114) | 1.74 (1.37 - 2.20) | 47 (22 - 72) |
|  |  | 2001-03 | 1.74 (1.39 - 2.17) | 93 (46 - 139) | 1.79 (1.38 - 2.32) | 52 (23 - 81) |
|  |  | 2003-06 | 1.82 (1.43 - 2.33) | 90 (43 - 136) | 1.42 (1.06 - 1.90) | 25 (1 - 49) |
|  | Asian | 1996-99 | 0.64 (0.46 - 0.89) | -48 (-77 - -19) | 0.82 (0.59 - 1.13) | -11 (-29 - 6) |
|  |  | 2001-04 | 0.66 (0.49 - 0.88) | -40 (-63 - -16) | 0.67 (0.49 - 0.91) | -21 (-35 - -7) |
|  |  | 2001-03 | 0.68 (0.49 - 0.94) | -40 (-69 - -12) | 0.70 (0.50 - 0.98) | -20 (-36 - -4) |
|  |  | 2003-06 | 0.44 (0.28 - 0.68) | -61 (-84 - -39) | 0.59 (0.39 - 0.89) | -24 (-39 - -9) |
|  |
| 45-64 | Māori | 1996-99 | 2.99 (2.79 - 3.20) | 1160 (1051 - 1268) | 3.09 (2.85 - 3.35) | 795 (709 - 880) |
|  |  | 2001-04 | 2.77 (2.59 - 2.97) | 915 (825 - 1005) | 3.07 (2.84 - 3.32) | 710 (636 - 784) |
|  |  | 2001-03 | 2.89 (2.68 - 3.11) | 987 (885 - 1088) | 3.20 (2.94 - 3.48) | 762 (678 - 845) |
|  |  | 2003-06 | 2.81 (2.59 - 3.04) | 826 (734 - 919) | 2.97 (2.72 - 3.24) | 628 (553 - 703) |
|  | Pacific | 1996-99 | 2.22 (1.96 - 2.52) | 712 (554 - 870) | 1.94 (1.66 - 2.27) | 358 (243 - 472) |
|  |  | 2001-04 | 2.03 (1.81 - 2.29) | 533 (412 - 654) | 2.06 (1.79 - 2.37) | 363 (267 - 458) |
|  |  | 2001-03 | 2.07 (1.82 - 2.36) | 560 (426 - 695) | 2.13 (1.83 - 2.48) | 392 (284 - 500) |
|  |  | 2003-06 | 1.84 (1.60 - 2.12) | 385 (269 - 500) | 1.81 (1.55 - 2.11) | 258 (171 - 345) |
|  | Asian | 1996-99 | 0.86 (0.71 - 1.06) | -79 (-181 - 23) | 0.68 (0.53 - 0.88) | -120 (-187 - -53) |
|  |  | 2001-04 | 0.64 (0.53 - 0.76) | -188 (-248 - -128) | 0.53 (0.42 - 0.66) | -162 (-204 - -119) |
|  |  | 2001-03 | 0.61 (0.51 - 0.75) | -201 (-266 - -137) | 0.52 (0.40 - 0.67) | -166 (-214 - -118) |
|  |  | 2003-06 | 0.73 (0.61 - 0.87) | -125 (-187 - -62) | 0.52 (0.41 - 0.66) | -153 (-193 - -112) |
|  |
| 65-74 | Māori | 1996-99 | 2.08 (1.92 - 2.25) | 2983 (2544 - 3422) | 2.69 (2.46 - 2.95) | 2601 (2246 - 2957) |
|  |  | 2001-04 | 2.18 (2.02 - 2.36) | 2787 (2410 - 3164) | 2.73 (2.51 - 2.97) | 2414 (2112 - 2716) |
|  |  | 2001-03 | 2.23 (2.05 - 2.43) | 2987 (2558 - 3416) | 2.82 (2.58 - 3.09) | 2596 (2254 - 2938) |
|  |  | 2003-06 | 2.23 (2.05 - 2.43) | 2580 (2201 - 2959) | 2.69 (2.45 - 2.96) | 2159 (1857 - 2462) |
|  | Pacific | 1996-99 | 1.62 (1.39 - 1.89) | 1719 (1035 - 2402) | 1.76 (1.48 - 2.10) | 1164 (696 - 1633) |
|  |  | 2001-04 | 1.69 (1.48 - 1.94) | 1627 (1092 - 2162) | 1.70 (1.45 - 1.99) | 973 (599 - 1348) |
|  |  | 2001-03 | 1.76 (1.52 - 2.04) | 1844 (1229 - 2460) | 1.73 (1.46 - 2.06) | 1046 (624 - 1468) |
|  |  | 2003-06 | 1.69 (1.45 - 1.97) | 1448 (915 - 1981) | 1.58 (1.31 - 1.89) | 735 (371 - 1100) |
|  | Asian | 1996-99 | 0.70 (0.56 - 0.89) | -819 (-1287 - -352) | 0.68 (0.51 - 0.91) | -485 (-789 - -180) |
|  |  | 2001-04 | 0.62 (0.51 - 0.75) | -899 (-1175 - -623) | 0.62 (0.49 - 0.78) | -528 (-729 - -328) |
|  |  | 2001-03 | 0.66 (0.54 - 0.81) | -818 (-1141 - -495) | 0.66 (0.52 - 0.85) | -484 (-719 - -249) |
|  |  | 2003-06 | 0.57 (0.46 - 0.70) | -900 (-1160 - -641) | 0.55 (0.42 - 0.71) | -581 (-767 - -394) |

Web Annex Table 4: Age-standardised mortality rate ratios (SRR) and rate differences (SRD) for specific cause mortality by ethnicity, by sex by age group. *NOTE: SRD’s in 2003-06 may be systematically underestimated for all ethnic groups, and SRRs for Pacific and Asian may be systematically underestimated.*

|  | **Males** | **Females** |
| --- | --- | --- |
| **ICD** | **Ethnicity** | **Year** | **SRR (95% CI)** | **SRD (95% CI)** | **SRR (95% CI)** | **SRD (95% CI)** |
|  |
| Cardiovascular Disease | Māori | 1996-99 | 2.81 (2.60 - 3.03) | 203 (181 - 225) | 3.98 (3.60 - 4.40) | 133 (117 - 149) |
|  |  | 2001-04 | 2.99 (2.76 - 3.23) | 167 (149 - 184) | 4.04 (3.66 - 4.47) | 111 (98 - 123) |
|  |  | 2001-03 | 3.10 (2.85 - 3.37) | 182 (161 - 202) | 4.18 (3.75 - 4.65) | 118 (104 - 133) |
|  |  | 2003-06 | 2.93 (2.67 - 3.21) | 140 (122 - 158) | 3.94 (3.49 - 4.44) | 89 (77 - 102) |
|  | Pacific | 1996-99 | 2.15 (1.87 - 2.46) | 129 (96 - 161) | 2.64 (2.20 - 3.16) | 73 (53 - 94) |
|  |  | 2001-04 | 2.34 (2.05 - 2.66) | 112 (87 - 137) | 2.53 (2.12 - 3.02) | 56 (40 - 71) |
|  |  | 2001-03 | 2.40 (2.09 - 2.77) | 121 (93 - 150) | 2.74 (2.27 - 3.31) | 65 (46 - 83) |
|  |  | 2003-06 | 2.20 (1.88 - 2.57) | 87 (63 - 111) | 2.41 (1.95 - 2.99) | 43 (28 - 58) |
|  | Asian | 1996-99 | 1.00 (0.81 - 1.24) | -0 (-24 - 24) | 0.81 (0.57 - 1.16) | -9 (-22 - 5) |
|  |  | 2001-04 | 0.76 (0.62 - 0.93) | -20 (-33 - -7) | 0.82 (0.62 - 1.09) | -6 (-15 - 2) |
|  |  | 2001-03 | 0.78 (0.63 - 0.97) | -19 (-34 - -4) | 0.86 (0.64 - 1.17) | -5 (-15 - 5) |
|  |  | 2003-06 | 0.72 (0.57 - 0.91) | -20 (-33 - -8) | 0.50 (0.34 - 0.75) | -15 (-21 - -9) |
|  |
| Lung Cancer | Māori | 1996-99 | 3.41 (2.94 - 3.95) | 60 (48 - 71) | 4.35 (3.66 - 5.18) | 48 (38 - 57) |
|  |  | 2001-04 | 2.69 (2.29 - 3.16) | 38 (29 - 47) | 4.25 (3.63 - 4.98) | 48 (39 - 56) |
|  |  | 2001-03 | 2.81 (2.36 - 3.35) | 42 (31 - 52) | 4.26 (3.59 - 5.04) | 49 (40 - 59) |
|  |  | 2003-06 | 3.09 (2.61 - 3.66) | 44 (34 - 54) | 4.28 (3.60 - 5.09) | 44 (35 - 52) |
|  | Pacific | 1996-99 | 2.20 (1.62 - 2.97) | 30 (13 - 46) | 1.32 (0.82 - 2.13) | 5 (-4 - 14) |
|  |  | 2001-04 | 1.07 (0.72 - 1.59) | 2 (-8 - 11) | 1.66 (1.17 - 2.35) | 10 (1 - 18) |
|  |  | 2001-03 | 1.17 (0.77 - 1.78) | 4 (-7 - 15) | 1.42 (0.95 - 2.12) | 6 (-2 - 15) |
|  |  | 2003-06 | 1.79 (1.28 - 2.50) | 17 (4 - 29) | 1.42 (0.94 - 2.13) | 6 (-2 - 13) |
|  | Asian | 1996-99 | 0.46 (0.24 - 0.87) | -13 (-21 - -6) | 0.42 (0.19 - 0.90) | -8 (-13 - -4) |
|  |  | 2001-04 | 0.49 (0.30 - 0.78) | -12 (-17 - -6) | 0.45 (0.25 - 0.81) | -8 (-12 - -4) |
|  |  | 2001-03 | 0.43 (0.25 - 0.74) | -13 (-19 - -8) | 0.43 (0.22 - 0.85) | -9 (-13 - -4) |
|  |  | 2003-06 | 0.40 (0.24 - 0.68) | -13 (-17 - -8) | 0.45 (0.24 - 0.85) | -7 (-11 - -3) |
|  |
| Other (not lung) Cancers | Māori | 1996-99 | 1.47 (1.32 - 1.64) | 43 (29 - 57) | 1.57 (1.41 - 1.74) | 46 (33 - 60) |
|  |  | 2001-04 | 1.62 (1.47 - 1.79) | 55 (41 - 68) | 1.58 (1.42 - 1.75) | 43 (31 - 54) |
|  |  | 2001-03 | 1.64 (1.47 - 1.83) | 58 (42 - 73) | 1.68 (1.50 - 1.87) | 51 (38 - 64) |
|  |  | 2003-06 | 1.65 (1.47 - 1.85) | 51 (37 - 65) | 1.61 (1.44 - 1.79) | 43 (31 - 55) |
|  | Pacific | 1996-99 | 1.34 (1.10 - 1.63) | 31 (7 - 54) | 1.29 (1.06 - 1.56) | 23 (3 - 44) |
|  |  | 2001-04 | 1.26 (1.05 - 1.50) | 23 (3 - 42) | 1.32 (1.11 - 1.57) | 24 (7 - 41) |
|  |  | 2001-03 | 1.28 (1.06 - 1.55) | 25 (4 - 47) | 1.32 (1.09 - 1.59) | 24 (5 - 42) |
|  |  | 2003-06 | 1.15 (0.93 - 1.41) | 12 (-7 - 30) | 1.04 (0.85 - 1.26) | 3 (-12 - 17) |
|  | Asian | 1996-99 | 0.52 (0.38 - 0.70) | -44 (-58 - -29) | 0.52 (0.40 - 0.69) | -39 (-51 - -27) |
|  |  | 2001-04 | 0.53 (0.42 - 0.66) | -41 (-52 - -31) | 0.47 (0.37 - 0.60) | -39 (-48 - -31) |
|  |  | 2001-03 | 0.55 (0.44 - 0.70) | -40 (-52 - -28) | 0.50 (0.39 - 0.65) | -37 (-48 - -27) |
|  |  | 2003-06 | 0.52 (0.40 - 0.66) | -38 (-49 - -28) | 0.47 (0.36 - 0.60) | -38 (-47 - -30) |
|  |
| Chronic Lung Disease | Māori | 1996-99 | 2.50 (2.00 - 3.12) | 23 (15 - 31) | 3.61 (2.92 - 4.46) | 29 (21 - 37) |
|  |  | 2001-04 | 3.15 (2.57 - 3.88) | 26 (19 - 33) | 4.50 (3.74 - 5.41) | 35 (28 - 43) |
|  |  | 2001-03 | 3.04 (2.45 - 3.78) | 28 (20 - 37) | 4.15 (3.41 - 5.07) | 35 (27 - 43) |
|  |  | 2003-06 | 2.88 (2.24 - 3.71) | 19 (12 - 26) | 4.28 (3.46 - 5.31) | 31 (23 - 38) |
|  | Pacific | 1996-99 | 1.83 (1.17 - 2.86) | 13 (0 - 25) | 0.72 (0.37 - 1.40) | -3 (-9 - 2) |
|  |  | 2001-04 | 1.44 (0.91 - 2.29) | 5 (-3 - 13) | 1.29 (0.80 - 2.06) | 3 (-3 - 9) |
|  |  | 2001-03 | 1.40 (0.86 - 2.28) | 6 (-4 - 15) | 1.43 (0.87 - 2.36) | 5 (-3 - 13) |
|  |  | 2003-06 | 1.61 (0.96 - 2.68) | 6 (-2 - 14) | 1.25 (0.73 - 2.15) | 2 (-4 - 9) |
|  | Asian | 1996-99 | 0.21 (0.07 - 0.64) | -12 (-16 - -8) | 0.20 (0.05 - 0.73) | -9 (-12 - -6) |
|  |  | 2001-04 | 0.22 (0.08 - 0.60) | -9 (-12 - -7) | 0.06 (0.01 - 0.23) | -10 (-11 - -8) |
|  |  | 2001-03 | 0.23 (0.08 - 0.64) | -11 (-14 - -7) | 0.03 (0.00 - 0.21) | -11 (-12 - -10) |
|  |  | 2003-06 | 0.55 (0.27 - 1.11) | -5 (-9 - -1) | 0.33 (0.15 - 0.75) | -6 (-9 - -4) |
|  |
| Unintentional Injury | Māori | 1996-99 | 2.36 (2.01 - 2.76) | 41 (31 - 51) | 2.14 (1.66 - 2.75) | 11 (7 - 16) |
|  |  | 2001-04 | 1.88 (1.60 - 2.22) | 27 (18 - 35) | 2.30 (1.82 - 2.91) | 13 (8 - 17) |
|  |  | 2001-03 | 1.88 (1.57 - 2.25) | 26 (17 - 36) | 2.50 (1.92 - 3.26) | 15 (9 - 20) |
|  |  | 2003-06 | 2.06 (1.70 - 2.48) | 27 (18 - 36) | 2.57 (1.93 - 3.42) | 12 (7 - 16) |
|  | Pacific | 1996-99 | 1.31 (0.98 - 1.76) | 9 (-2 - 21) | 1.02 (0.60 - 1.75) | 0 (-5 - 6) |
|  |  | 2001-04 | 1.30 (1.01 - 1.69) | 9 (-1 - 19) | 0.74 (0.43 - 1.27) | -3 (-7 - 1) |
|  |  | 2001-03 | 1.43 (1.08 - 1.91) | 13 (1 - 25) | 0.77 (0.41 - 1.45) | -2 (-7 - 3) |
|  |  | 2003-06 | 0.99 (0.69 - 1.43) | -0 (-9 - 9) | 0.84 (0.44 - 1.61) | -1 (-5 - 3) |
|  | Asian | 1996-99 | 0.91 (0.61 - 1.36) | -3 (-14 - 8) | 0.68 (0.34 - 1.36) | -3 (-8 - 2) |
|  |  | 2001-04 | 0.55 (0.37 - 0.81) | -14 (-20 - -7) | 0.73 (0.43 - 1.26) | -3 (-7 - 1) |
|  |  | 2001-03 | 0.57 (0.38 - 0.84) | -13 (-20 - -6) | 0.72 (0.39 - 1.31) | -3 (-7 - 2) |
|  |  | 2003-06 | 0.34 (0.17 - 0.68) | -17 (-23 - -10) | 0.86 (0.48 - 1.53) | -1 (-5 - 3) |
|  |
| Suicide | Māori | 1996-99 | 1.54 (1.24 - 1.90) | 14 (6 - 22) | 1.63 (1.16 - 2.29) | 4 (1 - 7) |
|  |  | 2001-04 | 1.39 (1.11 - 1.73) | 8 (2 - 14) | 1.17 (0.81 - 1.68) | 1 (-2 - 4) |
|  |  | 2001-03 | 1.45 (1.14 - 1.84) | 9 (3 - 16) | 0.99 (0.66 - 1.49) | 0 (-3 - 3) |
|  |  | 2003-06 | 1.48 (1.16 - 1.90) | 9 (3 - 16) | 1.77 (1.24 - 2.54) | 5 (1 - 8) |
|  | Pacific | 1996-99 | 0.79 (0.52 - 1.19) | -6 (-14 - 3) | 0.96 (0.51 - 1.79) | -0 (-4 - 4) |
|  |  | 2001-04 | 0.86 (0.60 - 1.24) | -3 (-9 - 4) | 0.71 (0.34 - 1.49) | -2 (-6 - 2) |
|  |  | 2001-03 | 0.80 (0.51 - 1.23) | -4 (-11 - 3) | 0.36 (0.15 - 0.90) | -4 (-7 - -2) |
|  |  | 2003-06 | 1.16 (0.79 - 1.71) | 3 (-6 - 12) | 0.83 (0.39 - 1.76) | -1 (-5 - 3) |
|  | Asian | 1996-99 | 0.43 (0.23 - 0.81) | -15 (-22 - -7) | 1.07 (0.59 - 1.96) | 1 (-4 - 5) |
|  |  | 2001-04 | 0.52 (0.33 - 0.82) | -10 (-15 - -5) | 0.86 (0.45 - 1.61) | -1 (-5 - 3) |
|  |  | 2001-03 | 0.54 (0.34 - 0.88) | -9 (-15 - -4) | 0.71 (0.38 - 1.32) | -2 (-5 - 1) |
|  |  | 2003-06 | 0.47 (0.26 - 0.85) | -10 (-16 - -5) | 0.83 (0.43 - 1.63) | -1 (-4 - 2) |
|  |
| Ischaemic Heart Disease | Māori | 1996-99 | 2.53 (2.30 - 2.77) | 122 (104 - 140) | 3.87 (3.38 - 4.44) | 69 (57 - 80) |
|  |  | 2001-04 | 2.80 (2.54 - 3.09) | 103 (88 - 117) | 3.96 (3.44 - 4.55) | 57 (47 - 66) |
|  |  | 2001-03 | 2.88 (2.59 - 3.19) | 110 (94 - 127) | 4.29 (3.70 - 4.98) | 63 (53 - 74) |
|  |  | 2003-06 | 2.87 (2.56 - 3.22) | 91 (77 - 106) | 3.89 (3.28 - 4.61) | 45 (36 - 54) |
|  | Pacific | 1996-99 | 1.89 (1.59 - 2.25) | 71 (45 - 97) | 2.12 (1.61 - 2.79) | 27 (13 - 40) |
|  |  | 2001-04 | 1.93 (1.62 - 2.30) | 53 (34 - 72) | 2.19 (1.67 - 2.87) | 23 (12 - 34) |
|  |  | 2001-03 | 1.95 (1.62 - 2.36) | 56 (35 - 77) | 2.17 (1.62 - 2.91) | 22 (11 - 34) |
|  |  | 2003-06 | 1.90 (1.55 - 2.33) | 44 (26 - 62) | 2.17 (1.60 - 2.95) | 18 (8 - 28) |
|  | Asian | 1996-99 | 1.10 (0.86 - 1.41) | 8 (-13 - 30) | 0.81 (0.49 - 1.35) | -5 (-14 - 5) |
|  |  | 2001-04 | 0.74 (0.58 - 0.94) | -15 (-25 - -4) | 0.80 (0.53 - 1.21) | -4 (-10 - 3) |
|  |  | 2001-03 | 0.78 (0.60 - 1.02) | -13 (-25 - -0) | 0.92 (0.60 - 1.40) | -2 (-9 - 6) |
|  |  | 2003-06 | 0.67 (0.50 - 0.90) | -16 (-26 - -6) | 0.37 (0.20 - 0.69) | -10 (-14 - -6) |
|  |
| Chronic Pulmonary Disease | Māori | 1996-99 | 2.41 (1.88 - 3.08) | 19 (11 - 26) | 3.40 (2.68 - 4.31) | 23 (16 - 29) |
|  |  | 2001-04 | 3.15 (2.56 - 3.89) | 25 (18 - 32) | 4.31 (3.55 - 5.24) | 32 (25 - 39) |
|  |  | 2001-03 | 3.08 (2.47 - 3.84) | 28 (19 - 36) | 4.01 (3.26 - 4.95) | 31 (23 - 39) |
|  |  | 2003-06 | 2.81 (2.16 - 3.65) | 17 (11 - 24) | 4.15 (3.32 - 5.20) | 27 (20 - 34) |
|  | Pacific | 1996-99 | 1.76 (1.07 - 2.91) | 10 (-2 - 22) | 0.65 (0.30 - 1.40) | -3 (-8 - 2) |
|  |  | 2001-04 | 1.30 (0.78 - 2.14) | 4 (-4 - 11) | 0.92 (0.51 - 1.66) | -1 (-6 - 4) |
|  |  | 2001-03 | 1.29 (0.75 - 2.20) | 4 (-5 - 13) | 1.19 (0.66 - 2.13) | 2 (-5 - 9) |
|  |  | 2003-06 | 1.42 (0.81 - 2.51) | 4 (-4 - 12) | 1.21 (0.67 - 2.16) | 2 (-4 - 8) |
|  | Asian | 1996-99 | 0.11 (0.02 - 0.80) | -12 (-15 - -9) | 0.00 (. - .) | -9 (-10 - -9) |
|  |  | 2001-04 | 0.13 (0.03 - 0.51) | -10 (-13 - -8) | 0.00 (. - .) | -10 (-10 - -9) |
|  |  | 2001-03 | 0.09 (0.01 - 0.61) | -12 (-15 - -10) | 0.00 (. - .) | -10 (-11 - -9) |
|  |  | 2003-06 | 0.58 (0.28 - 1.17) | -4 (-8 - -0) | 0.31 (0.13 - 0.76) | -6 (-9 - -3) |
|  |
| Colorectal Cancer | Māori | 1996-99 | 0.97 (0.74 - 1.28) | -1 (-6 - 5) | 0.81 (0.58 - 1.15) | -3 (-7 - 1) |
|  |  | 2001-04 | 1.21 (0.93 - 1.57) | 4 (-2 - 9) | 0.69 (0.48 - 0.99) | -4 (-7 - -1) |
|  |  | 2001-03 | 1.19 (0.89 - 1.59) | 3 (-3 - 10) | 0.67 (0.45 - 1.00) | -4 (-8 - -1) |
|  |  | 2003-06 | 1.19 (0.88 - 1.60) | 3 (-3 - 8) | 0.79 (0.55 - 1.14) | -3 (-6 - 1) |
|  | Pacific | 1996-99 | 0.98 (0.60 - 1.59) | -0 (-10 - 9) | 0.55 (0.27 - 1.11) | -7 (-12 - -1) |
|  |  | 2001-04 | 0.41 (0.21 - 0.80) | -10 (-15 - -5) | 0.78 (0.45 - 1.33) | -3 (-8 - 3) |
|  |  | 2001-03 | 0.51 (0.26 - 1.01) | -9 (-15 - -2) | 0.76 (0.42 - 1.37) | -3 (-9 - 3) |
|  |  | 2003-06 | 0.38 (0.16 - 0.92) | -10 (-15 - -4) | 0.42 (0.21 - 0.86) | -7 (-11 - -3) |
|  | Asian | 1996-99 | 0.41 (0.20 - 0.84) | -12 (-18 - -6) | 0.31 (0.12 - 0.77) | -10 (-14 - -6) |
|  |  | 2001-04 | 0.32 (0.17 - 0.60) | -12 (-16 - -8) | 0.16 (0.07 - 0.37) | -11 (-13 - -9) |
|  |  | 2001-03 | 0.38 (0.20 - 0.73) | -11 (-16 - -7) | 0.25 (0.09 - 0.68) | -10 (-13 - -6) |
|  |  | 2003-06 | 0.35 (0.17 - 0.73) | -10 (-14 - -6) | 0.17 (0.06 - 0.47) | -11 (-13 - -8) |
|  |
| Prostate Cancer (males) Breast Cancer (females) | Māori | 1996-99 | 1.34 (0.92 - 1.96) | 3 (-1 - 7) | 1.65 (1.35 - 2.01) | 14 (7 - 20) |
|  | 2001-04 | 1.69 (1.22 - 2.35) | 6 (1 - 11) | 1.72 (1.42 - 2.08) | 14 (8 - 20) |
|  |  | 2001-03 | 1.90 (1.34 - 2.68) | 8 (2 - 13) | 1.85 (1.51 - 2.26) | 17 (10 - 24) |
|  |  | 2003-06 | 1.76 (1.21 - 2.55) | 6 (1 - 10) | 1.69 (1.38 - 2.08) | 13 (7 - 19) |
|  | Pacific | 1996-99 | 1.27 (0.63 - 2.57) | 2 (-5 - 10) | 1.40 (0.97 - 2.01) | 8 (-2 - 19) |
|  |  | 2001-04 | 1.92 (1.16 - 3.18) | 8 (-0 - 16) | 1.19 (0.84 - 1.67) | 4 (-4 - 11) |
|  |  | 2001-03 | 2.31 (1.40 - 3.81) | 11 (2 - 21) | 1.19 (0.82 - 1.74) | 4 (-5 - 13) |
|  |  | 2003-06 | 0.79 (0.32 - 1.91) | -2 (-7 - 4) | 0.98 (0.67 - 1.44) | -0 (-7 - 7) |
|  | Asian | 1996-99 | 0.15 (0.02 - 1.09) | -8 (-10 - -5) | 0.66 (0.42 - 1.03) | -7 (-14 - -1) |
|  |  | 2001-04 | 0.32 (0.12 - 0.87) | -6 (-9 - -3) | 0.35 (0.22 - 0.56) | -13 (-16 - -9) |
|  |  | 2001-03 | 0.38 (0.14 - 1.03) | -5 (-9 - -2) | 0.31 (0.18 - 0.53) | -14 (-18 - -10) |
|  |  | 2003-06 | 0.12 (0.02 - 0.84) | -7 (-9 - -5) | 0.52 (0.34 - 0.81) | -9 (-13 - -4) |
|  |
| Stroke | Māori | 1996-99 | 2.19 (1.71 - 2.81) | 16 (9 - 23) | 2.80 (2.19 - 3.58) | 19 (12 - 26) |
|  |  | 2001-04 | 1.92 (1.48 - 2.49) | 10 (5 - 16) | 3.06 (2.44 - 3.82) | 19 (13 - 24) |
|  |  | 2001-03 | 1.93 (1.46 - 2.55) | 11 (5 - 17) | 2.89 (2.27 - 3.68) | 18 (12 - 24) |
|  |  | 2003-06 | 1.63 (1.17 - 2.28) | 6 (1 - 11) | 3.17 (2.46 - 4.09) | 17 (11 - 23) |
|  | Pacific | 1996-99 | 2.46 (1.67 - 3.60) | 20 (7 - 32) | 2.68 (1.84 - 3.89) | 18 (7 - 28) |
|  |  | 2001-04 | 2.44 (1.71 - 3.47) | 16 (7 - 26) | 2.20 (1.50 - 3.22) | 11 (4 - 18) |
|  |  | 2001-03 | 2.45 (1.67 - 3.59) | 17 (6 - 28) | 2.58 (1.75 - 3.81) | 15 (6 - 24) |
|  |  | 2003-06 | 2.92 (1.95 - 4.37) | 18 (7 - 29) | 2.51 (1.64 - 3.83) | 12 (4 - 20) |
|  | Asian | 1996-99 | 1.36 (0.81 - 2.27) | 5 (-5 - 14) | 0.94 (0.47 - 1.88) | -1 (-8 - 6) |
|  |  | 2001-04 | 1.10 (0.68 - 1.77) | 1 (-5 - 7) | 0.98 (0.60 - 1.59) | -0 (-5 - 4) |
|  |  | 2001-03 | 1.07 (0.64 - 1.78) | 1 (-6 - 7) | 0.82 (0.46 - 1.47) | -2 (-6 - 3) |
|  |  | 2003-06 | 1.17 (0.69 - 1.97) | 2 (-4 - 7) | 0.94 (0.51 - 1.73) | -0 (-5 - 4) |