# THE LANCET Global Health 

## Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: Yu D, Zhao Z, Osuagwu UL, et al. Ethnic differences in mortality and hospital admission rates between Māori, Pacific, and European New Zealanders with type 2 diabetes between 1994 and 2018: a retrospective, population-based, longitudinal cohort study. Lancet Glob Health 2020; published online Oct 15. http://dx.doi.org/10.1016/S2214-109X(20)30412-5.

Web extra files
Table S1 Distribution of difference between each two of three measures (NZDep2001, NZDep2006 and NZDep2013) among patients with type 2 diabetes

NZDep2001, NZDep2006 and NZDep2013 range 1 to 10.

|  | NZDep2001 - NZDep2006 | NZDep2001 - NZDep2013 | NZDep2006 - NZDep2013 |
| :---: | :---: | :---: | :---: |
|  |  | ALL |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -2 | -2 |
| 5th Percentile | -1 | -1 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | -1 | -1 |
| 30th Percentile | 0 | -1 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |
| 60th Percentile | 0 | 0 | 0 |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 1 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 2 | 2 | 2 |
| Maximum | 6 | 6 | 6 |
|  |  | European |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -2 | -2 |
| 5th Percentile | -1 | -1 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | -1 | -1 |
| 30th Percentile | 0 | -1 | -1 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |
| 60th Percentile | 0 | 0 | 0 |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 1 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 2 | 1 | 2 |
| Maximum | 6 | 6 | 6 |
|  |  | Māori |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -1 | -2 |
| 5th Percentile | -1 | -1 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | -1 | -1 |
| 30th Percentile | 0 | -1 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |


| 60th Percentile | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 0 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 1 | 1 | 1 |
| Maximum | 6 | 5 | 4 |
|  |  | Pacific |  |
| Minimum | -6 | -6 | -2 |
| 1st Percentile | -1 | -2 | -1 |
| 5th Percentile | -1 | -1 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | 0 | -1 | 0 |
| 30th Percentile | 0 | 0 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |
| 60th Percentile | 0 | 0 | 0 |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 0 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 1 | 2 | 2 |
| Maximum | 6 | 6 | 6 |
|  |  | Men |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -2 | -2 |
| 5th Percentile | -1 | -2 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | -1 | -1 |
| 30th Percentile | 0 | -1 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |
| 60th Percentile | 0 | 0 | 0 |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 1 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 2 | 2 | 2 |
| Maximum | 6 | 6 | 6 |
|  |  | Women |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -2 | -2 |
| 5th Percentile | -1 | -2 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | -1 | -1 |
| 30th Percentile | 0 | -1 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |


| 60th Percentile | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 0 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 1 | 2 | 2 |
| Maximum | 6 | 6 | 6 |
|  |  | Age $<35$ years |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -2 | -2 |
| 5th Percentile | -1 | -2 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | -1 | -1 |
| 30th Percentile | 0 | -1 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |
| 60th Percentile | 0 | 0 | 0 |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 1 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 2 | 2 | 2 |
| Maximum | 5 | 6 | 5 |
|  |  | Age: 35-44 years |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -2 | -2 |
| 5th Percentile | -1 | -1 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | 0 | 0 |
| 30th Percentile | 0 | 0 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |
| 60th Percentile | 0 | 0 | 0 |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 1 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 1 | 2 | 1 |
| Maximum | 6 | 6 | 6 |
|  |  | Age: 45-54 years |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -1 | -1 |
| 5th Percentile | -1 | -1 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | -1 | -1 |
| 30th Percentile | 0 | 0 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |


| 60th Percentile | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 0 | 0 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 1 | 1 | 1 |
| Maximum | 6 | 6 | 6 |
|  |  | Age: 55-64 years |  |
| Minimum | -6 | -6 | -6 |
| 1st Percentile | -2 | -1 | -1 |
| 5th Percentile | -1 | -1 | -1 |
| 10th Percentile | -1 | -1 | -1 |
| 20th Percentile | -1 | 0 | 0 |
| 30th Percentile | 0 | 0 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |
| 60th Percentile | 0 | 0 | 0 |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 1 | 1 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 2 | 1 | 1 |
| Maximum | 6 | 6 | 6 |
|  |  | Age: 65-74 years |  |
| Minimum | -5 | -4 | -5 |
| 1st Percentile | -2 | -1 | -2 |
| 5th Percentile | -1 | -1 | -1 |
| 10th Percentile | 0 | 0 | 0 |
| 20th Percentile | 0 | 0 | 0 |
| 30th Percentile | 0 | 0 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |
| 60th Percentile | 0 | 0 | 0 |
| 70th Percentile | 0 | 0 | 0 |
| 80th Percentile | 0 | 0 | 0 |
| 90th Percentile | 1 | 0 | 1 |
| 95th Percetile | 1 | 1 | 1 |
| 99 Percentile | 2 | 1 | 2 |
| Maximum | 5 | 5 | 5 |
|  |  | Age: 75-84 years |  |
| Minimum | -3 | -3 | -3 |
| 1st Percentile | -1 | -1 | -1 |
| 5th Percentile | -1 | 0 | -1 |
| 10th Percentile | 0 | 0 | 0 |
| 20th Percentile | 0 | 0 | 0 |
| 30th Percentile | 0 | 0 | 0 |
| 40th Percentile | 0 | 0 | 0 |
| 50th Percentile | 0 | 0 | 0 |



Table-S2 ICD-9 and ICD-10 codes as primary diagnosis for clinical events

|  | ICD-9 codes | ICD-10 codes |
| :--- | :--- | :--- |
| Cardiovascular diseases | $410,411,412,413,414 ; 430-438$ | I20-I25, I60-I69, I73 |
| Cancer | $140-209,230-234$ | C00-C26, C30-41, C43-C58, C60-C80, |
| End stage renal diseases | $585 \cdot 5 ; 585 \cdot 6$ | $\mathrm{~N} 18 \cdot 5 ; \mathrm{N} 190-09$ |

Table-S3 Incidence rates per 1000 person-years ( $95 \%$ confidence interval) of clinical outcomes by gender, social economic status, age-stratification, ethnicity and time periods

|  |  | Male | Female | Most Deprivation (NZDep2013=1 or 2) | $\begin{gathered} \text { IMD }=2 \\ \text { (NZDep2013=3 } \\ \text { or 4) } \end{gathered}$ | $\begin{gathered} \mathrm{IMD}=3 \\ \text { (NZDep2013=5 } \\ \text { or } 6) \end{gathered}$ | $\begin{gathered} \text { IMD }=4 \\ \text { (NZDep2013=7 } \\ \text { or 8) } \end{gathered}$ | Least Deprivation (NZDep2013=9 or 10 ) | $\begin{gathered} \text { Age: } 35-44 \\ \text { years } \end{gathered}$ | $\begin{gathered} \text { Age: } 45-54 \\ \text { years } \end{gathered}$ | $\begin{gathered} \text { Age: 55-64 } \\ \text { years } \end{gathered}$ | $\begin{gathered} \text { Age: } 65-74 \\ \text { years } \end{gathered}$ | $\begin{gathered} \text { Age: } 75-84 \\ \text { years } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | All-cause Mortality |  |  |  |  |  |  |  |  |  |  |  |
| All | <1998 | $\begin{gathered} 13 \cdot 58(11.29 \\ \text { to } 16.19) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 67(9 \cdot 55 \\ \text { to } 14 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 71(13 \cdot 61 \text { to } \\ 20 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} 15 \cdot 79(12 \cdot 16 \text { to } \\ 20 \cdot 16) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 22(5 \cdot 63 \text { to } \\ 14 \cdot 23) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 23(9 \cdot 38 \text { to } \\ 20 \cdot 71) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10 \cdot 50(6 \cdot 22 \text { to } \\ 16 \cdot 59) \\ \hline \end{gathered}$ | $\begin{gathered} 3.43(1.38 \text { to } \\ 7.07) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 76(4 \cdot 46 \text { to } \\ 9 \cdot 84) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 44(8.66 \\ \text { to } 14 \cdot 82) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 75(13 \cdot 13 \\ \text { to } 21.06) \\ \hline \end{gathered}$ | $\begin{gathered} 31.68(24.51 \\ \text { to } 40.31) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 21 \cdot 47(19 \cdot 47 \\ \text { to } 23 \cdot 62) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 22(15 \cdot 44 \\ \text { to } 19 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 21 \cdot 00(18.64 \text { to } \\ 23.57) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 19 \cdot 11(16 \cdot 53 \text { to } \\ 21 \cdot 97) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 73(16 \cdot 85 \text { to } \\ 25 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 18.02(14 \cdot 47 \text { to } \\ 22 \cdot 17) \\ \hline \end{gathered}$ | $\begin{gathered} 20.95(16.91 \text { to } \\ 25.66) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 51(2 \cdot 01 \text { to } \\ 5 \cdot 70) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 08(5 \cdot 43 \text { to } \\ 9 \cdot 08) \\ \hline \end{gathered}$ | $\begin{gathered} 15 \cdot 91(13.61 \\ \text { to } 18.49) \\ \hline \end{gathered}$ | $\begin{gathered} 24.33(21.26 \\ \text { to } 27.71) \\ \hline \end{gathered}$ | $\begin{gathered} 62 \cdot 00(55 \cdot 06 \\ \text { to } 69 \cdot 58) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $\begin{gathered} 20.07(18.54 \\ \text { to } 21.69) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 72(13 \cdot 42 \\ \text { to } 16 \cdot 12) \\ \hline \end{gathered}$ | $\begin{gathered} 19 \cdot 05(17 \cdot 22 \text { to } \\ 21 \cdot 02) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 17 \cdot 53(15 \cdot 61 \text { to } \\ 19 \cdot 63) \\ \hline \end{gathered}$ | $\begin{gathered} 16.76(13.98 \text { to } \\ 19.93) \\ \hline \end{gathered}$ | $\begin{gathered} 15 \cdot 71(13 \cdot 17 \text { to } \\ 18 \cdot 59) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 66(14 \cdot 06 \text { to } \\ 19 \cdot 60) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 85(2 \cdot 49 \text { to } \\ 5 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 18(4 \cdot 92 \text { to } \\ 7 \cdot 66) \\ \hline \end{gathered}$ | $\begin{gathered} 12 \cdot 79(11 \cdot 18 \\ \text { to } 14.56) \\ \hline \end{gathered}$ | $\begin{gathered} 24 \cdot 51(22 \cdot 06 \\ \text { to } 27 \cdot 15) \\ \hline \end{gathered}$ | $\begin{gathered} 45 \cdot 64(41 \cdot 28 \\ \text { to } 50 \cdot 34) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 18.98(17 \cdot 45 \\ \text { to } 20 \cdot 62) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 73(13 \cdot 35 \\ \text { to } 16 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} 19.64(17.83 \text { to } \\ 21.60) \\ \hline \end{gathered}$ | $\begin{gathered} 21 \cdot 21(18.58 \text { to } \\ 24 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 15 \cdot 71(12 \cdot 65 \text { to } \\ 19 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 13 \cdot 60(11 \cdot 16 \text { to } \\ 16 \cdot 42) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 70(8.84 \text { to } \\ 12 \cdot 85) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2.47(1.27 \text { to } \\ 4.31) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 14(4 \cdot 79 \text { to } \\ 7 \cdot 74) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10 \cdot 50(9 \cdot 00 \\ \text { to } 12 \cdot 18) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 31(18.09 \\ \text { to } 22.73) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 49 \cdot 89(45 \cdot 20 \\ \text { to } 54 \cdot 94) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $\begin{gathered} 11 \cdot 12(9 \cdot 98 \\ \text { to } 12 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} 8.69(7.70 \text { to } \\ 9.77) \\ \hline \end{gathered}$ | $\begin{gathered} 12.98(11.64 \text { to } \\ 14.44) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8 \cdot 81(7 \cdot 13 \text { to } \\ 10 \cdot 76) \\ \hline \end{gathered}$ | $\begin{gathered} 9.09(6.92 \text { to } \\ 11.72) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 75(6 \cdot 01 \text { to } \\ 9 \cdot 82) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 20(4 \cdot 80 \text { to } \\ 7 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 47(1 \cdot 35 \text { to } \\ 4 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 28(2 \cdot 37 \text { to } \\ 4 \cdot 44) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 52(5 \cdot 37 \text { to } \\ 7 \cdot 83) \\ \hline \end{gathered}$ | $\begin{gathered} 12 \cdot 14(10 \cdot 50 \\ \text { to } 13 \cdot 95) \\ \hline \end{gathered}$ | $\begin{gathered} 27.67(24 \cdot 39 \\ \text { to } 31.27) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| European | $<1998$ | $\begin{gathered} 12.94(9.94 \\ \text { to } 16.55) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 62(8 \cdot 59 \\ \text { to } 15 \cdot 36) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 32(9 \cdot 44 \text { to } \\ 20 \cdot 84) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 17.72(12.77 \text { to } \\ 23.95) \\ \hline \end{gathered}$ | $\begin{gathered} 8.47(4.38 \text { to } \\ 14.79) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 68(6 \cdot 68 \text { to } \\ 18 \cdot 97) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 12 \cdot 50(7 \cdot 00 \text { to } \\ 20 \cdot 62) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 90(0 \cdot 35 \text { to } \\ 10 \cdot 48) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 61(1 \cdot 17 \text { to } \\ 8 \cdot 42) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10 \cdot 01(6 \cdot 34 \\ \text { to } 15 \cdot 01) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 85(9 \cdot 85 \\ \text { to } 18.94) \\ \hline \end{gathered}$ | $\begin{gathered} 27 \cdot 61(19 \cdot 98 \\ \text { to } 37 \cdot 19) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 23 \cdot 25(20 \cdot 33 \\ \text { to } 26 \cdot 46) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 95(15 \cdot 23 \\ \text { to } 21 \cdot 02) \\ \hline \end{gathered}$ | $\begin{gathered} 24.33(19 \cdot 52 \text { to } \\ 29 \cdot 98) \\ \hline \end{gathered}$ | $\begin{gathered} 22.06(18.21 \text { to } \\ 26.47) \\ \hline \end{gathered}$ | $\begin{gathered} 19 \cdot 00(14 \cdot 36 \text { to } \\ 24 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 40(13 \cdot 18 \text { to } \\ 22 \cdot 54) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \cdot 30(17 \cdot 32 \text { to } \\ 28 \cdot 27) \\ \hline \end{gathered}$ | $\begin{gathered} 2.64(0.72 \text { to } \\ 6.77) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 32(2 \cdot 98 \text { to } \\ 8 \cdot 78) \\ \hline \end{gathered}$ | $\begin{gathered} 14.59(11.31 \\ \text { to } 18.53) \\ \hline \end{gathered}$ | $\begin{gathered} 19 \cdot 68(16 \cdot 11 \\ \text { to } 23 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} 55 \cdot 81(48 \cdot 17 \\ \text { to } 64 \cdot 31) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $\begin{gathered} 22 \cdot 16(19 \cdot 94 \\ \text { to } 24 \cdot 55) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 11(14 \cdot 10 \\ \text { to } 18 \cdot 33) \\ \hline \end{gathered}$ | $\begin{gathered} 25 \cdot 44(21 \cdot 43 \text { to } \\ 29 \cdot 99) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 14(17 \cdot 21 \text { to } \\ 23 \cdot 43) \\ \hline \end{gathered}$ | $\begin{gathered} 17.30(13.74 \text { to } \\ 21.50) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 51(14 \cdot 23 \text { to } \\ 21 \cdot 31) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 75(13 \cdot 70 \text { to } \\ 20 \cdot 27) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 42(1 \cdot 37 \text { to } \\ 7 \cdot 05) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 38(3.45 \text { to } \\ 8 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 60(7 \cdot 58 \text { to } \\ 12 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \cdot 09(19 \cdot 07 \\ \text { to } 25 \cdot 44) \\ \hline \end{gathered}$ | $\begin{gathered} 44 \cdot 06(39 \cdot 17 \\ \text { to } 49 \cdot 39) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 20.17(17.94 \\ \text { to } 22.59) \\ \hline \end{gathered}$ | $\begin{gathered} 16.08(13.96 \\ \text { to } 18.44) \\ \hline \end{gathered}$ | $\begin{gathered} 24.34(20.41 \text { to } \\ 28.81) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 24.32(20.35 \text { to } \\ 28.84) \\ \hline \end{gathered}$ | $\begin{gathered} 17.32(13.37 \text { to } \\ 22.08) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 37(13 \cdot 02 \text { to } \\ 20 \cdot 32) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 71(9 \cdot 41 \text { to } \\ 14 \cdot 41) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 35(0 \cdot 16 \text { to } \\ 4 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 38(2 \cdot 55 \text { to } \\ 7 \cdot 01) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 58(5 \cdot 69 \text { to } \\ 9 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 35(13 \cdot 74 \\ \text { to } 19 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} 48.61(43.18 \\ \text { to } 54.52) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $\begin{gathered} 12 \cdot 22(10 \cdot 48 \\ \text { to } 14 \cdot 16) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 31(8 \cdot 67 \\ \text { to } 12 \cdot 16) \\ \hline \end{gathered}$ | $\begin{gathered} 19.02(15.72 \text { to } \\ 22.81) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10 \cdot 22(7 \cdot 56 \text { to } \\ 13 \cdot 51) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10 \cdot 71(7 \cdot 81 \text { to } \\ 14 \cdot 33) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 79(7.33 \text { to } \\ 12 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 44(5.59 \text { to } \\ 9.71) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 16(0 \cdot 45 \text { to } \\ 6 \cdot 32) \\ \hline \end{gathered}$ | $\begin{gathered} 3.27(1.69 \text { to } \\ 5.72) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 32(3.74 \text { to } \\ 7.33) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 25(8 \cdot 28 \\ \text { to } 12 \cdot 54) \\ \hline \end{gathered}$ | $\begin{aligned} & 26 \cdot 66(22 \cdot 80 \\ & \text { to } 30 \cdot 98) \\ & \hline \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Māori | <1998 | $\begin{gathered} 19 \cdot 73(13 \cdot 11 \\ \text { to } 28 \cdot 52) \\ \hline \end{gathered}$ | $\begin{aligned} & 10 \cdot 80(6 \cdot 17 \\ & \text { to } 17 \cdot 54) \\ & \hline \end{aligned}$ | $\begin{gathered} 20 \cdot 92(14.01 \text { to } \\ 30 \cdot 04) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 56(2.46 \text { to } \\ 17 \cdot 64) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 13(2 \cdot 30 \text { to } \\ 32 \cdot 53) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 31 \cdot 49(10 \cdot 23 \text { to } \\ 73 \cdot 50) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 16 \cdot 11(1 \cdot 95 \text { to } \\ 58 \cdot 18) \\ \hline \end{gathered}$ | $\begin{gathered} 4.07(0.49 \text { to } \\ 14.72) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 34(7 \cdot 64 \\ \text { to } 24 \cdot 52) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 26(9 \cdot 66 \\ \text { to } 28 \cdot 46) \\ \hline \end{gathered}$ | $\begin{gathered} 18 \cdot 88(8 \cdot 15 \\ \text { to } 37 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 68 \cdot 25(25 \cdot 04 \\ \text { to } 148 \cdot 54) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $\begin{gathered} 25 \cdot 98(20 \cdot 50 \\ \text { to } 32 \cdot 47) \end{gathered}$ | $\begin{gathered} 24 \cdot 27(19 \cdot 28 \\ \text { to } 30 \cdot 17) \end{gathered}$ | $\begin{gathered} 25 \cdot 40(20 \cdot 17 \text { to } \\ 31 \cdot 57) \end{gathered}$ | $\begin{gathered} 22 \cdot 34(15 \cdot 81 \text { to } \\ 30 \cdot 66) \end{gathered}$ | $\begin{gathered} 34 \cdot 55(21 \cdot 10 \text { to } \\ 53 \cdot 35) \end{gathered}$ | $\begin{gathered} 26.38(13.63 \text { to } \\ 46.08) \end{gathered}$ | $\begin{gathered} 25 \cdot 71(10 \cdot 34 \text { to } \\ 52 \cdot 98) \end{gathered}$ | $\begin{gathered} 5.95(2.19 \text { to } \\ 12 \cdot 96) \end{gathered}$ | $\begin{aligned} & 13 \cdot 02(8 \cdot 43 \\ & \text { to } 19 \cdot 22) \end{aligned}$ | $\begin{gathered} 27 \cdot 15(20 \cdot 22 \\ \text { to } 35 \cdot 70) \end{gathered}$ | $\begin{gathered} 54 \cdot 10(40 \cdot 64 \\ \text { to } 70 \cdot 59) \end{gathered}$ | $115 \cdot 28$ $(71 \cdot 36$ to $176 \cdot 22)$ |
|  | $\begin{aligned} & \hline 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $\begin{gathered} 25 \cdot 83(21.45 \\ \text { to } 30.84) \\ \hline \end{gathered}$ | $\begin{gathered} 19 \cdot 64(16 \cdot 12 \\ \text { to } 23 \cdot 69) \\ \hline \end{gathered}$ | $\begin{gathered} 23 \cdot 84(19 \cdot 80 \text { to } \\ 28 \cdot 46) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \cdot 21(17.07 \text { to } \\ 28.42) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \cdot 86(14 \cdot 49 \text { to } \\ 34 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} 18.04(10 \cdot 10 \text { to } \\ 29 \cdot 75) \\ \hline \end{gathered}$ | $\begin{gathered} 19.55(8.44 \text { to } \\ 38.52) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 11(3 \cdot 55 \text { to } \\ 12 \cdot 72) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 60(8 \cdot 03 \\ \text { to } 16 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \cdot 19(17 \cdot 30 \\ \text { to } 28 \cdot 03) \\ \hline \end{gathered}$ | $\begin{gathered} 51 \cdot 16(41 \cdot 09 \\ \text { to } 62 \cdot 96) \\ \hline \end{gathered}$ | $\begin{gathered} 58.37(38.13 \\ \text { to } 85.53) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 27 \cdot 78(23 \cdot 11 \\ \text { to } 33 \cdot 12) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 22 \cdot 84(18.82 \\ \text { to } 27.46) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 27 \cdot 41(23 \cdot 13 \text { to } \\ 32 \cdot 26) \\ \hline \end{gathered}$ | $\begin{gathered} 26 \cdot 12(19 \cdot 62 \text { to } \\ 34 \cdot 08) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 21(11.78 \text { to } \\ 32.36) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 42(9 \cdot 28 \text { to } \\ 29 \cdot 79) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 20(8.72 \text { to } \\ 39 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 89(2 \cdot 37 \text { to } \\ 12 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 24(9 \cdot 11 \\ \text { to } 18 \cdot 59) \\ \hline \end{gathered}$ | $\begin{gathered} 23 \cdot 04(17 \cdot 89 \\ \text { to } 29 \cdot 21) \\ \hline \end{gathered}$ | $\begin{gathered} 44 \cdot 33(35 \cdot 26 \\ \text { to } 55 \cdot 02) \\ \hline \end{gathered}$ | $\begin{gathered} 82 \cdot 85(60 \cdot 43 \\ \text { to } 110 \cdot 86) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2014- \\ 2018 \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 07(12 \cdot 60 \\ \text { to } 20 \cdot 21) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 52(7 \cdot 95 \\ \text { to } 13.67) \\ \hline \end{gathered}$ | $\begin{gathered} 14.83(11.86 \text { to } \\ 18.32) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 21(9 \cdot 36 \text { to } \\ 20 \cdot 67) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 64(4 \cdot 86 \text { to } \\ 20 \cdot 19) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 19(1 \cdot 41 \text { to } \\ 13 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 6.46(1.33 \text { to } \\ 18.88) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 35(1 \cdot 41 \text { to } \\ 10 \cdot 15) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 56(4.62 \text { to } \\ 11 \cdot 67) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 24(9 \cdot 41 \\ \text { to } 18 \cdot 09) \\ \hline \end{gathered}$ | $\begin{gathered} 18.66(13 \cdot 21 \\ \text { to } 25.62) \\ \hline \end{gathered}$ | $\begin{gathered} 37 \cdot 14(24 \cdot 26 \\ \text { to } 54 \cdot 41) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Pacific | $<1998$ | $\begin{gathered} 11 \cdot 44(6 \cdot 78 \\ \text { to } 18.07) \\ \hline \end{gathered}$ | $\begin{aligned} & 10 \cdot 93(6 \cdot 85 \\ & \text { to } 16 \cdot 54) \\ & \hline \end{aligned}$ | $\begin{gathered} 13 \cdot 87(9 \cdot 29 \text { to } \\ 19 \cdot 92) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 99(6 \cdot 40 \text { to } \\ 26 \cdot 56) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 30(0 \cdot 13 \text { to } \\ 29 \cdot 52) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 68(0.30 \text { to } \\ 65 \cdot 09) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 29(5 \cdot 63 \text { to } \\ 20 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 16(1.27 \text { to } \\ 18 \cdot 06) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 75(2 \cdot 11 \text { to } \\ 12 \cdot 53) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 94(3.00 \text { to } \\ 13 \cdot 55) \\ \hline \end{gathered}$ | $\begin{gathered} 28 \cdot 25(16 \cdot 46 \\ \text { to } 45 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 44.09(16 \cdot 18 \\ \text { to } 95.97) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 16 \cdot 68(12 \cdot 82 \\ \text { to } 21 \cdot 34) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 06(10 \cdot 14 \\ \text { to } 16 \cdot 56) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 08(12 \cdot 87 \text { to } \\ 19 \cdot 86) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 73(6 \cdot 80 \text { to } \\ 16 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} 24 \cdot 81(13 \cdot 21 \text { to } \\ 42 \cdot 42) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 96(6 \cdot 22 \text { to } \\ 36 \cdot 91) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 14(10 \cdot 31 \text { to } \\ 18.92) \\ \hline \end{gathered}$ | $\begin{gathered} 3.39(0.92 \text { to } \\ 8.72) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 42(3 \cdot 67 \text { to } \\ 10 \cdot 42) \\ \hline \end{gathered}$ | $\begin{gathered} 12 \cdot 00(8 \cdot 26 \\ \text { to } 16 \cdot 85) \\ \hline \end{gathered}$ | $\begin{gathered} 25 \cdot 47(18 \cdot 50 \\ \text { to } 34 \cdot 19) \\ \hline \end{gathered}$ | $\begin{gathered} 70 \cdot 22(48 \cdot 63 \\ \text { to } 98 \cdot 12) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $\begin{gathered} 14.51(11.54 \\ \text { to } 18.01) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 61(8.41 \\ \text { to } 13.20) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 13.71(11.21 \text { to } \\ 16 \cdot 60) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 11.51(8.29 \text { to } \\ 15.55) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 96(5.01 \text { to } \\ 20 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8.10(2.63 \text { to } \\ 18.91) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10.79(8.19 \text { to } \\ 13.95) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 27(0.62 \text { to } \\ 5 \cdot 34) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.76(2.77 \text { to } \\ 7.62) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 13 \cdot 21(9 \cdot 86 \\ \text { to } 17.32) \\ \hline \end{gathered}$ | $\begin{gathered} 22.06(16.67 \\ \text { to } 28.65) \\ \hline \end{gathered}$ | $\begin{gathered} 38.39(26.42 \\ \text { to } 53.91) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 18.39(14 \cdot 88 \\ \text { to } 22.48) \\ \hline \end{gathered}$ | $\begin{aligned} & 11 \cdot 12(8 \cdot 60 \\ & \text { to } 14 \cdot 15) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 15.47(12.88 \text { to } \\ 18.44) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 15 \cdot 88(10 \cdot 46 \text { to } \\ 23 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 9 \cdot 03(1.86 \text { to } \\ 26.38) \\ \hline \end{gathered}$ | $\begin{gathered} 3.70(0.45 \text { to } \\ 13.38) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 12 \cdot 32(8 \cdot 63 \text { to } \\ 17 \cdot 06) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.74(0.02 \text { to } \\ 4.51) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 11(3 \cdot 56 \text { to } \\ 9 \cdot 78) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 11 \cdot 59(8 \cdot 28 \\ \text { to } 15 \cdot 78) \\ \hline \end{gathered}$ | $\begin{gathered} 22.62(16.94 \\ \text { to } 29.59) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 61 \cdot 80(45 \cdot 87 \\ \text { to } 81 \cdot 47) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $\begin{gathered} 9 \cdot 29(7 \cdot 20 \text { to } \\ 11 \cdot 79) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 21(5 \cdot 48 \text { to } \\ 9 \cdot 32) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 25(7 \cdot 55 \text { to } \\ 11 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6.71(3.75 \text { to } \\ 11.06) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 23(0.51 \text { to } \\ 15 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 57(2 \cdot 13 \text { to } \\ 15 \cdot 33) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5.49(3.44 \text { to } \\ 8.32) \\ \hline \end{gathered}$ | $\begin{gathered} 2.92(1.07 \text { to } \\ 6.85) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.67(0.67 \text { to } \\ 3.44) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5.77(3.74 \text { to } \\ 8.52) \\ \hline \end{gathered}$ | $\begin{gathered} 18.20(13.59 \\ \text { to } 23.87) \\ \hline \end{gathered}$ | $\begin{gathered} 30.41(21.06 \\ \text { to } 42.49) \\ \hline \end{gathered}$ |
| Cardiovascular Mortality |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All | $<1998$ | $\begin{gathered} 3.48(2.38 \text { to } \\ 4.91) \end{gathered}$ | $\begin{gathered} 3 \cdot 29(2 \cdot 22 \text { to } \\ 4 \cdot 69) \\ \hline \end{gathered}$ | $\begin{gathered} 5.09(2.05 \text { to } \\ 10.49) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 04(2.51 \text { to } \\ 9 \cdot 01) \\ \hline \end{gathered}$ | $\begin{gathered} 4.62(2.59 \text { to } \\ 7.62) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3.86(2.04 \text { to } \\ 5 \cdot 69) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 56(2 \cdot 30 \text { to } \\ 5 \cdot 26) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 47(0 \cdot 30 \text { to } \\ 4 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 50(1 \cdot 20 \text { to } \\ 4 \cdot 60) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 60(0 \cdot 69 \text { to } \\ 3 \cdot 15) \\ \hline \end{gathered}$ | $\begin{gathered} 3.64(2.08 \text { to } \\ 5.91) \\ \hline \end{gathered}$ | $\begin{gathered} 11.82(7.65 \\ \text { to } 17.44) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6 \cdot 60(5 \cdot 52 \text { to } \\ 7.84) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 13(4 \cdot 19 \text { to } \\ 6 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 63(5.07 \text { to } \\ 11 \cdot 02) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 02(4.92 \text { to } \\ 9.72) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 49(5 \cdot 08 \text { to } \\ 7 \cdot 90) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 15(4 \cdot 23 \text { to } \\ 8 \cdot 64) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 05(4.92 \text { to } \\ 7.37) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.88(0.24 \text { to } \\ 2 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.71(0.96 \text { to } \\ 2.81) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3.71(2.65 \text { to } \\ 5.06) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 33(5 \cdot 71 \text { to } \\ 9 \cdot 28) \\ \hline \end{gathered}$ | $\begin{aligned} & 22 \cdot 46(18 \cdot 40 \\ & \text { to } 27 \cdot 13) \\ & \hline \end{aligned}$ |
|  | $\begin{gathered} 2004- \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 26(4 \cdot 49 \text { to } \\ 6 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 80(2 \cdot 25 \text { to } \\ 3 \cdot 44) \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 41(3 \cdot 63 \text { to } \\ 5 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 38(3.32 \text { to } \\ 5 \cdot 67) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 85(2 \cdot 65 \text { to } \\ 5 \cdot 41) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3 \cdot 29(2 \cdot 24 \text { to } \\ 4 \cdot 67) \end{gathered}$ | $\begin{gathered} 3 \cdot 52(2 \cdot 28 \text { to } \\ 5 \cdot 19) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.61(0.17 \text { to } \\ 1.57) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 85(1.20 \text { to } \\ 2.73) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 68(1.97 \text { to } \\ 3 \cdot 55) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 52(3.51 \text { to } \\ 5 \cdot 72) \\ \hline \end{gathered}$ | $\begin{gathered} 12.51(10.31 \\ \text { to } 15.04) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 5 \cdot 41(4 \cdot 61 \text { to } \\ 6 \cdot 31) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 76(2 \cdot 19 \text { to } \\ 3.44) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 33(4 \cdot 48 \text { to } \\ 6 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 34(3 \cdot 07 \text { to } \\ 5 \cdot 96) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3 \cdot 65(2 \cdot 34 \text { to } \\ 5 \cdot 43) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 12(2 \cdot 28 \text { to } \\ 3 \cdot 96) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2.88(1.85 \text { to } \\ 4.29) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.41(0.05 \text { to } \\ 1.48) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 03(0.53 \text { to } \\ 1.80) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 27(1 \cdot 61 \text { to } \\ 3 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.65(3.63 \text { to } \\ 5 \cdot 87) \\ \hline \end{gathered}$ | $\begin{gathered} 13.70(11.35 \\ \text { to } 16.39) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $\begin{gathered} 2 \cdot 51(1.99 \text { to } \\ 3 \cdot 12) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 50(1 \cdot 11 \text { to } \\ 1 \cdot 98) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2 \cdot 65(2 \cdot 10 \text { to } \\ 3 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2 \cdot 21(1.26 \text { to } \\ 3 \cdot 58) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.82(1.04 \text { to } \\ 2.96) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.00(0.48 \text { to } \\ 1.83) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.90(0.36 \text { to } \\ 1.85) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.88(0.29 \text { to } \\ 2.06) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 47(0.17 \text { to } \\ 1.02) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.30(0.82 \text { to } \\ 1.95) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2.04(1.41 \text { to } \\ 2.84) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 25(4.78 \text { to } \\ 8.03) \\ \hline \end{gathered}$ |
| European | <1998 | $\begin{gathered} 3.88(2.33 \text { to } \\ 6.05) \\ \hline \end{gathered}$ | $\begin{gathered} 3.78(2 \cdot 16 \text { to } \\ 6.13) \\ \hline \end{gathered}$ | $\begin{gathered} 4.82(1.57 \text { to } \\ 11.25) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 09(2 \cdot 44 \text { to } \\ 9 \cdot 37) \\ \hline \end{gathered}$ | $\begin{gathered} 4.91(1 \cdot 97 \text { to } \\ 10 \cdot 12) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.77(2.87 \text { to } \\ 5.09) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 59(2 \cdot 29 \text { to } \\ 8 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.45(0.04 \text { to } \\ 8.08) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 17(0.45 \text { to } \\ 6.33) \\ \hline \end{gathered}$ | $\begin{gathered} 1.73(0.47 \text { to } \\ 4.44) \\ \hline \end{gathered}$ | $\begin{gathered} 3.52(1.69 \text { to } \\ 6.48) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 80(6 \cdot 29 \\ \text { to } 17 \cdot 29) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 7 \cdot 86(6 \cdot 21 \text { to } \\ 9 \cdot 81) \\ \hline \end{gathered}$ | $\begin{gathered} 5.90(4.39 \text { to } \\ 7.75) \\ \hline \end{gathered}$ | $\begin{gathered} 8.37(5.98 \text { to } \\ 11.40) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8.99(6.64 \text { to } \\ 11.34) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8.63(5.92 \text { to } \\ 11.34) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8 \cdot 37(5 \cdot 58 \text { to } \\ 11.15) \\ \hline \end{gathered}$ | $\begin{gathered} 8 \cdot 22(5 \cdot 15 \text { to } \\ 12 \cdot 45) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.32(0.16 \text { to } \\ 4.76) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.71(0.09 \text { to } \\ 2.56) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2.81(1.50 \text { to } \\ 4.81) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 00(4 \cdot 95 \text { to } \\ 9 \cdot 60) \\ \hline \end{gathered}$ | $\begin{gathered} 21 \cdot 55(16.95 \\ \text { to } 27.01) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} \hline 2004- \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 11(4 \cdot 98 \text { to } \\ 7 \cdot 41) \\ \hline \end{gathered}$ | $\begin{gathered} 3.67(2.75 \text { to } \\ 4.80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 87(5 \cdot 13 \text { to } \\ 9 \cdot 01) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 70(4 \cdot 19 \text { to } \\ 7 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5.62(3.96 \text { to } \\ 7.75) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.53(2.73 \text { to } \\ 7.07) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 11(2 \cdot 57 \text { to } \\ 6 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.49(0.01 \text { to } \\ 2.72) \\ \hline \end{gathered}$ | $\begin{gathered} 1.56(0.63 \text { to } \\ 3 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2.36(1.42 \text { to } \\ 3.68) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 42(3 \cdot 14 \text { to } \\ 6 \cdot 04) \\ \hline \end{gathered}$ | $\begin{gathered} 12.97(10.42 \\ \text { to } 15.97) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} \hline 2009- \\ 2013 \end{gathered}$ | $\begin{gathered} 5 \cdot 63(4 \cdot 50 \text { to } \\ 6 \cdot 96) \\ \hline \end{gathered}$ | $\begin{gathered} 3.47(2.53 \text { to } \\ 4.65) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 31(5 \cdot 49 \text { to } \\ 9 \cdot 53) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6.69(5.33 \text { to } \\ 8.05) \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 03(3 \cdot 30 \text { to } \\ 7 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.50(2.75 \text { to } \\ 6.95) \end{gathered}$ | $\begin{gathered} \hline 3 \cdot 52(2 \cdot 20 \text { to } \\ 5 \cdot 32) \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \end{gathered}$ | $\begin{gathered} \hline 0.51(0.06 \text { to } \\ 1.85) \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 97(0.39 \text { to } \\ 2.01) \end{gathered}$ | $\begin{gathered} 3 \cdot 80(2 \cdot 62 \text { to } \\ 5 \cdot 34) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 06(11 \cdot 27 \\ \text { to } 17 \cdot 32) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $\begin{gathered} 2.52(1.77 \text { to } \\ 3.47) \\ \hline \end{gathered}$ | $\begin{gathered} 1.66(1.05 \text { to } \\ 2.49) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 77(2.55 \text { to } \\ 5 \cdot 39) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2 \cdot 40(1 \cdot 20 \text { to } \\ 4 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2 \cdot 24(1 \cdot 03 \text { to } \\ 4 \cdot 26) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.64(1.01 \text { to } \\ 2.31) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1 \cdot 07(0.39 \text { to } \\ 2.32) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 44(0 \cdot 17 \text { to } \\ 5 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 81(0 \cdot 17 \text { to } \\ 2 \cdot 38) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 43(0 \cdot 09 \text { to } \\ 1 \cdot 25) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.49(0.82 \text { to } \\ 2.50) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 69(4.02 \text { to } \\ 7.81) \\ \hline \end{gathered}$ |
| Māori | <1998 | $\begin{gathered} 4 \cdot 18(1.54 \text { to } \\ 9 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1 \cdot 34(0 \cdot 16 \text { to } \\ 4 \cdot 85) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 9 \cdot 35(4 \cdot 83 \text { to } \\ 16 \cdot 33) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8 \cdot 29(2 \cdot 26 \text { to } \\ 21 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 89(2 \cdot 37 \text { to } \\ 12 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.54(0.94 \text { to } \\ 13.26) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 12(1 \cdot 01 \text { to } \\ 7 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} 0.00(0.00 \text { to } \\ 0.00) \\ \hline \end{gathered}$ | $\begin{gathered} 5.50(1.79 \text { to } \\ 12.85) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 14(0 \cdot 03 \text { to } \\ 6 \cdot 34) \\ \hline \end{gathered}$ | $\begin{gathered} 2.32(0.06 \text { to } \\ 12.93) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 83(0 \cdot 27 \\ \text { to } 60 \cdot 34) \\ \hline \end{gathered}$ |
|  | 2003 | $10 \cdot 67)$ | $10 \cdot 26)$ | $25.91)$ | $12 \cdot 94)$ | 8.49) | $10 \cdot 85)$ | 9.74) | 5.51) | 9•51) | $10 \cdot 36)$ | $\begin{gathered} 13.67(7.47 \\ \text { to } 22.94) \\ \hline \end{gathered}$ | $\begin{gathered} 42 \cdot 40(18.31 \\ \text { to } 83.55) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} \hline 2004- \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 27(5 \cdot 06 \text { to } \\ 10 \cdot 11) \end{gathered}$ | $\begin{gathered} 3.90(2.44 \text { to } \\ 5.90) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 95(4 \cdot 19 \text { to } \\ 8 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 61(2 \cdot 80 \text { to } \\ 10 \cdot 04) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 24(2 \cdot 51 \text { to } \\ 12 \cdot 86) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 28(2 \cdot 77 \text { to } \\ 7 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.08(1.86 \text { to } \\ 7.74) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 29(0 \cdot 16 \text { to } \\ 4 \cdot 65) \\ \hline \end{gathered}$ | $\begin{gathered} 3.71(1.85 \text { to } \\ 6 \cdot 64) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 60(3 \cdot 32 \text { to } \\ 8 \cdot 86) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 46(6 \cdot 30 \\ \text { to } 16 \cdot 34) \\ \hline \end{gathered}$ | $\begin{gathered} 15 \cdot 23(6 \cdot 12 \\ \text { to } 31 \cdot 38) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2009- \\ 2013 \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8.53(6.07 \text { to } \\ 11.66) \\ \hline \end{gathered}$ | $\begin{gathered} 3.56(2.11 \text { to } \\ 5.62) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 62(4 \cdot 77 \text { to } \\ 8 \cdot 95) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 88(2.00 \text { to } \\ 9.75) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 11(2 \cdot 57 \text { to } \\ 6 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2 \cdot 31(0 \cdot 28 \text { to } \\ 8 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 78(0 \cdot 90 \text { to } \\ 6 \cdot 48) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 67(0 \cdot 20 \text { to } \\ 6 \cdot 05) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 97(0 \cdot 64 \text { to } \\ 4 \cdot 61) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 96(3 \cdot 53 \text { to } \\ 9 \cdot 42) \end{gathered}$ | $\begin{gathered} 8 \cdot 89(5 \cdot 18 \text { to } \\ 14 \cdot 23) \end{gathered}$ | $\begin{gathered} 25 \cdot 76(14 \cdot 42 \\ \text { to } 42.49) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \end{aligned}$ | $\begin{gathered} 4.30(2 \cdot 63 \text { to } \\ 6 \cdot 64) \\ \hline \end{gathered}$ | $\begin{gathered} 2.03(1.01 \text { to } \\ 3.63) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3 \cdot 39(2 \cdot 15 \text { to } \\ 5 \cdot 08) \end{gathered}$ | $\begin{gathered} 3 \cdot 16(0 \cdot 89 \text { to } \\ 5 \cdot 43) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2.69(1.51 \text { to } \\ 4.44) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 37(0 \cdot 17 \text { to } \\ 4 \cdot 94) \\ \hline \end{gathered}$ | $\begin{gathered} 1.59(0.33 \text { to } \\ 4.64) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.87(0.02 \text { to } \\ 4.84) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1 \cdot 12(0 \cdot 23 \text { to } \\ 3 \cdot 27) \\ \hline \end{gathered}$ | $\begin{gathered} 3.32(1.59 \text { to } \\ 6 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.76(2.28 \text { to } \\ 8.75) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 33(3.75 \text { to } \\ 19 \cdot 23) \\ \hline \end{gathered}$ |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pacific | <1998 | $\begin{gathered} 2 \cdot 47(0.80 \text { to } \\ 5.76) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 26(0 \cdot 15 \text { to } \\ 4 \cdot 56) \\ \hline \end{gathered}$ | $\begin{gathered} 4.67(1.27 \text { to } \\ 11.96) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 17(0 \cdot 38 \text { to } \\ 11 \cdot 44) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 30(0 \cdot 84 \text { to } \\ 5 \cdot 01) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 53(0 \cdot 19 \text { to } \\ 5 \cdot 53) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 35(0 \cdot 28 \text { to } \\ 3 \cdot 93) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 11(0 \cdot 50 \text { to } \\ 14 \cdot 83) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 91(0 \cdot 23 \text { to } \\ 6 \cdot 91) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.86(0.02 \text { to } \\ 4.81) \\ \hline \end{gathered}$ | $\begin{gathered} 1.64(0.04 \text { to } \\ 9 \cdot 16) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 96(0 \cdot 18 \text { to } \\ 38 \cdot 76) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 4 \cdot 45(2 \cdot 59 \text { to } \\ 7 \cdot 12) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 62(2 \cdot 18 \text { to } \\ 5 \cdot 65) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 21(2 \cdot 72 \text { to } \\ 6 \cdot 21) \\ \hline \end{gathered}$ | $\begin{gathered} 5.94(1.23 \text { to } \\ 17.37) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.67(1.27 \text { to } \\ 11.96) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 12(1 \cdot 01 \text { to } \\ 7 \cdot 27) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 11(2 \cdot 05 \text { to } \\ 7 \cdot 36) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.33(2 \cdot 24 \text { to } \\ 7.56) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7.39(3.94 \text { to } \\ 12.64) \\ \hline \end{gathered}$ | $\begin{gathered} 21 \cdot 70(10.83 \\ \text { to } 38.83) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2004- \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} 2.44(1 \cdot 34 \text { to } \\ 4 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 18(0 \cdot 54 \text { to } \\ 2 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 1.80(1.03 \text { to } \\ 2.93) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 76(1 \cdot 16 \text { to } \\ 2.55) \\ \hline \end{gathered}$ | $\begin{gathered} 1.74(1.15 \text { to } \\ 2.53) \\ \hline \end{gathered}$ | $\begin{gathered} 1.72(1.09 \text { to } \\ 2.58) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 62(0.65 \text { to } \\ 3 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 84(0 \cdot 17 \text { to } \\ 2 \cdot 44) \\ \hline \end{gathered}$ | $\begin{gathered} 1.75(0.70 \text { to } \\ 3.61) \\ \hline \end{gathered}$ | $\begin{gathered} 2.71(1.09 \text { to } \\ 5.58) \\ \hline \end{gathered}$ | $\begin{gathered} 6.75(2.48 \text { to } \\ 14.69) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 4.75(3.07 \text { to } \\ 7.01) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 50(0 \cdot 68 \text { to } \\ 2 \cdot 84) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 70(2 \cdot 53 \text { to } \\ 5 \cdot 23) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 18(2 \cdot 92 \text { to } \\ 5.78) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 04(2 \cdot 11 \text { to } \\ 4 \cdot 25) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 74(1 \cdot 11 \text { to } \\ 2.62) \\ \hline \end{gathered}$ | $\begin{gathered} 0.79(0 \cdot 10 \text { to } \\ 2 \cdot 85) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 1.43(0.39 \text { to } \\ 3.67) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 58(1 \cdot 18 \text { to } \\ 4 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 38(2 \cdot 86 \text { to } \\ 9 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 32(4 \cdot 02 \text { to } \\ 18 \cdot 36) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $\begin{gathered} 2 \cdot 45(1 \cdot 45 \text { to } \\ 3 \cdot 88) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 10(0 \cdot 50 \text { to } \\ 2 \cdot 09) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 93(1 \cdot 22 \text { to } \\ 2 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} 1.94(0.78 \text { to } \\ 3.99) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 35(0 \cdot 28 \text { to } \\ 3 \cdot 93) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 18(0 \cdot 14 \text { to } \\ 4 \cdot 26) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 16(0 \cdot 32 \text { to } \\ 2 \cdot 98) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 97(0 \cdot 12 \text { to } \\ 3 \cdot 50) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 2.06(0.94 \text { to } \\ 3.91) \\ \hline \end{gathered}$ | $\begin{gathered} 3.05(1.39 \text { to } \\ 5.79) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 86(2 \cdot 36 \text { to } \\ 12 \cdot 07) \\ \hline \end{gathered}$ |


| All | $<1998$ | $\begin{gathered} 2.50(1.59 \text { to } \\ 3.75) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 08(1 \cdot 25 \text { to } \\ 3 \cdot 25) \\ \hline \end{gathered}$ | $\begin{gathered} 3.28(2.00 \text { to } \\ 5 \cdot 06) \\ \hline \end{gathered}$ | $\begin{gathered} 3.68(1.48 \text { to } \\ 7.58) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 46(1 \cdot 18 \text { to } \\ 4.52) \\ \hline \end{gathered}$ | $\begin{gathered} 1.84(0.50 \text { to } \\ 4.70) \\ \hline \end{gathered}$ | $\begin{gathered} 0.58(0.01 \text { to } \\ 3 \cdot 24) \end{gathered}$ | $\begin{gathered} 0.00(0.00 \text { to } \\ 0 \cdot 00) \end{gathered}$ | $\begin{gathered} 1 \cdot 25(0 \cdot 41 \text { to } \\ 2 \cdot 92) \end{gathered}$ | $\begin{gathered} 2 \cdot 39(1 \cdot 24 \text { to } \\ 4 \cdot 18) \\ \hline \end{gathered}$ | $\begin{gathered} 3.64(2.08 \text { to } \\ 5.92) \end{gathered}$ | $\begin{gathered} 4.25(1.93 \text { to } \\ 8.07) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 5 \cdot 44(4 \cdot 46 \text { to } \\ 6 \cdot 57) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 13(4 \cdot 18 \text { to } \\ 6 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 14(3 \cdot 26 \text { to } \\ 7 \cdot 72) \\ \hline \end{gathered}$ | $\begin{gathered} 6.84(4.71 \text { to } \\ 9.61) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 68(4 \cdot 32 \text { to } \\ 7 \cdot 33) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 42(3.57 \text { to } \\ 7.88) \\ \hline \end{gathered}$ | $\begin{gathered} 4.98(3 \cdot 87 \text { to } \\ 6 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.66(0.14 \text { to } \\ 1.92) \\ \hline \end{gathered}$ | $\begin{gathered} 1.59(0.87 \text { to } \\ 2.67) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 02(3 \cdot 77 \text { to } \\ 6 \cdot 54) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 56(5 \cdot 90 \text { to } \\ 9 \cdot 53) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 19(11.02 \\ \text { to } 17.98) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2004- \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 29(5 \cdot 45 \text { to } \\ 7 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.54(3.84 \text { to } \\ 5 \cdot 34) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 70(4 \cdot 73 \text { to } \\ 6 \cdot 82) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6.85(5.41 \text { to } \\ 8.56) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 40(4 \cdot 36 \text { to } \\ 6 \cdot 61) \\ \hline \end{gathered}$ | $\begin{gathered} 4.95(3.58 \text { to } \\ 6.67) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 56(4 \cdot 12 \text { to } \\ 7 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.77(0 \cdot 25 \text { to } \\ 1.79) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 48(0.90 \text { to } \\ 2 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 30(3 \cdot 39 \text { to } \\ 5 \cdot 38) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8.08(6.72 \text { to } \\ 9.64) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 59(11 \cdot 29 \\ \text { to } 16 \cdot 21) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 5.55(4.74 \text { to } \\ 6 \cdot 46) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 88(4 \cdot 10 \text { to } \\ 5 \cdot 76) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 23(4 \cdot 32 \text { to } \\ 6 \cdot 27) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 44(3.92 \text { to } \\ 7.35) \\ \hline \end{gathered}$ | $\begin{gathered} 4.98(3.56 \text { to } \\ 6.78) \\ \hline \end{gathered}$ | $\begin{gathered} 4.78(3.18 \text { to } \\ 6.92) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 15(3 \cdot 02 \text { to } \\ 5 \cdot 55) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.61(0.13 \text { to } \\ 1.80) \\ \hline \end{gathered}$ | $\begin{gathered} 1.63(0.98 \text { to } \\ 2.55) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 13(3 \cdot 21 \text { to } \\ 5 \cdot 23) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6.71(5 \cdot 47 \text { to } \\ 8 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 13.07(10.77 \\ \text { to } 15.71) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2014- \\ 2018 \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 80(3 \cdot 15 \text { to } \\ 4 \cdot 54) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 14(2.56 \text { to } \\ 3.81) \\ \hline \end{gathered}$ | $\begin{gathered} 3.71(3.02 \text { to } \\ 4.52) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 12(2 \cdot 71 \text { to } \\ 5 \cdot 99) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 08(2 \cdot 13 \text { to } \\ 4.30) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 81(1 \cdot 82 \text { to } \\ 4 \cdot 15) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 54(2.51 \text { to } \\ 4.86) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.00(0.00 \text { to } \\ 0.00) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 17(0 \cdot 65 \text { to } \\ 1 \cdot 93) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 21(1 \cdot 57 \text { to } \\ 3 \cdot 02) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 42(4 \cdot 36 \text { to } \\ 6 \cdot 66) \\ \hline \end{gathered}$ | $\begin{gathered} 8.04(6.36 \text { to } \\ 10 \cdot 03) \\ \hline \end{gathered}$ |
| European | $<1998$ | $\begin{gathered} 2.45(1.27 \text { to } \\ 4 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 1.18(0.38 \text { to } \\ 2.76) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 05(0 \cdot 13 \text { to } \\ 3 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3 \cdot 64(1 \cdot 18 \text { to } \\ 8 \cdot 50) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 81(0 \cdot 77 \text { to } \\ 7 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2 \cdot 11(0 \cdot 68 \text { to } \\ 4 \cdot 91) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.83(0.02 \text { to } \\ 4.62) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.00(0.00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.72(0.02 \text { to } \\ 4.02) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 17(0 \cdot 70 \text { to } \\ 5 \cdot 06) \\ \hline \end{gathered}$ | $\begin{gathered} 2.47(0.99 \text { to } \\ 5 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 54(0.69 \text { to } \\ 6 \cdot 51) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6 \cdot 15(4 \cdot 70 \text { to } \\ 7 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 89(4.39 \text { to } \\ 7.75) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 19(3 \cdot 73 \text { to } \\ 9 \cdot 66) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 24(5 \cdot 12 \text { to } \\ 9 \cdot 93) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 30(4 \cdot 31 \text { to } \\ 8 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 14(3 \cdot 00 \text { to } \\ 8 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 76(3.57 \text { to } \\ 8.81) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 77(0.57 \text { to } \\ 4.13) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 28(4 \cdot 20 \text { to } \\ 9 \cdot 01) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 90(4 \cdot 04 \text { to } \\ 8.33) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 15(9 \cdot 63 \\ \text { to } 17 \cdot 54) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $\begin{gathered} 7 \cdot 67(6 \cdot 40 \text { to } \\ 9 \cdot 12) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 99(3 \cdot 90 \text { to } \\ 6 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 8 \cdot 12(5 \cdot 94 \text { to } \\ 10 \cdot 83) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 77(5 \cdot 63 \text { to } \\ 10 \cdot 47) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 60(5 \cdot 85 \text { to } \\ 9 \cdot 70) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 60(3.83 \text { to } \\ 7 \cdot 90) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 52(3 \cdot 84 \text { to } \\ 7 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.98(0.12 \text { to } \\ 3.53) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 12(0 \cdot 36 \text { to } \\ 2 \cdot 60) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 35(2 \cdot 21 \text { to } \\ 4 \cdot 87) \\ \hline \end{gathered}$ | $\begin{gathered} 8 \cdot 64(6 \cdot 81 \text { to } \\ 10 \cdot 82) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 10(10 \cdot 53 \\ \text { to } 16 \cdot 10) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | $\begin{gathered} 6 \cdot 51(5 \cdot 29 \text { to } \\ 7 \cdot 94) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 27(4 \cdot 09 \text { to } \\ 6 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} 6.70(4 \cdot 74 \text { to } \\ 9 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 4.85(3.08 \text { to } \\ 7.28) \end{gathered}$ | $\begin{gathered} 4 \cdot 74(2 \cdot 81 \text { to } \\ 7 \cdot 50) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.70(2.87 \text { to } \\ 7.26) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 56(3 \cdot 17 \text { to } \\ 6 \cdot 34) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0.00 \text { to } \\ 0.00) \end{gathered}$ | $\begin{gathered} 2.05(0.89 \text { to } \\ 4.05) \end{gathered}$ | $\begin{gathered} 3.91(2 \cdot 60 \text { to } \\ 5 \cdot 65) \\ \hline \end{gathered}$ | $\begin{gathered} 5.90(4.39 \text { to } \\ 7.76) \\ \hline \end{gathered}$ | $\begin{gathered} 12 \cdot 70(10.05 \\ \text { to } 15.82) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $\begin{gathered} 5 \cdot 67(4 \cdot 51 \text { to } \\ 7 \cdot 02) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 21(3 \cdot 20 \text { to } \\ 5 \cdot 45) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 02(5 \cdot 10 \text { to } \\ 9 \cdot 42) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 72(3 \cdot 33 \text { to } \\ 9 \cdot 17) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 11(2 \cdot 51 \text { to } \\ 6 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 00(2 \cdot 51 \text { to } \\ 6 \cdot 06) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 79(3 \cdot 33 \text { to } \\ 6 \cdot 66) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 09(0 \cdot 30 \text { to } \\ 2 \cdot 78) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 14(1.97 \text { to } \\ 4.76) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 92(4 \cdot 46 \text { to } \\ 7.70) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 04(6.90 \text { to } \\ 11.64) \\ \hline \end{gathered}$ |
| Māori | <1998 | $\begin{gathered} \hline 4 \cdot 17(1 \cdot 53 \text { to } \\ 9 \cdot 08) \\ \hline \end{gathered}$ | $\begin{gathered} 3.36(1.09 \text { to } \\ 7.83) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6.41(2.93 \text { to } \\ 12.17) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 15(1 \cdot 48 \text { to } \\ 20 \cdot 90) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 12(1 \cdot 78 \text { to } \\ 8.11) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 01(0.36 \text { to } \\ 10 \cdot 88) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 64(0 \cdot 20 \text { to } \\ 5 \cdot 91) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0.00) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 39(1 \cdot 20 \text { to } \\ 11 \cdot 25) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 70(1.85 \text { to } \\ 13 \cdot 31) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 30(0 \cdot 06 \text { to } \\ 12 \cdot 82) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 94(0 \cdot 28 \\ \text { to } 60 \cdot 96) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 6 \cdot 84(4.33 \text { to } \\ 10 \cdot 26) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 65(2 \cdot 54 \text { to } \\ 7.80) \\ \hline \end{gathered}$ | $\begin{gathered} 6.93(4.29 \text { to } \\ 10.59) \\ \hline \end{gathered}$ | $\begin{gathered} 6.55(3.58 \text { to } \\ 10.99) \\ \hline \end{gathered}$ | $\begin{gathered} 5.93(4.55 \text { to } \\ 7.60) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.67(2 \cdot 02 \text { to } \\ 9 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.94(2.83 \text { to } \\ 8.03) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 58(0.84 \text { to } \\ 6 \cdot 03) \\ \hline \end{gathered}$ | $\begin{gathered} 6.85(3.65 \text { to } \\ 11.72) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 66(7.47 \\ \text { to } 22 \cdot 92) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 62(5 \cdot 62 \\ \text { to } 52 \cdot 80) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 44(4 \cdot 37 \text { to } \\ 9 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 5.50(3.74 \text { to } \\ 7.81) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 11(5 \cdot 00 \text { to } \\ 9 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 54(1 \cdot 35 \text { to } \\ 19 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 80(4 \cdot 09 \text { to } \\ 8 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 4.67(1.27 \text { to } \\ 11.97) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4 \cdot 84(3 \cdot 13 \text { to } \\ 7 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.64(0.02 \text { to } \\ 3.59) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2 \cdot 02(0 \cdot 74 \text { to } \\ 4 \cdot 40) \end{gathered}$ | $\begin{gathered} \hline 6.25(3 \cdot 82 \text { to } \\ 9 \cdot 66) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 37(9 \cdot 38 \\ \text { to } 21 \cdot 05) \\ \hline \end{gathered}$ | $\begin{gathered} 19 \cdot 24(8 \cdot 80 \\ \text { to } 36 \cdot 53) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 8 \cdot 53(6 \cdot 17 \text { to } \\ 11 \cdot 49) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 56(4 \cdot 43 \text { to } \\ 9 \cdot 37) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8.71(6.40 \text { to } \\ 11.58) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 81(3 \cdot 37 \text { to } \\ 15 \cdot 40) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 59(5 \cdot 95 \text { to } \\ 9 \cdot 55) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7.48(1.54 \text { to } \\ 21.86) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 27(4 \cdot 10 \text { to } \\ 9 \cdot 19) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 84(0 \cdot 02 \text { to } \\ 4 \cdot 66) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 36(0 \cdot 87 \text { to } \\ 5 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 8 \cdot 30(5 \cdot 37 \text { to } \\ 12 \cdot 26) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 15(9 \cdot 32 \\ \text { to } 20 \cdot 59) \\ \hline \end{gathered}$ | $\begin{gathered} 24 \cdot 46(13 \cdot 37 \\ \text { to } 41 \cdot 04) \\ \hline \end{gathered}$ |


|  | $\begin{gathered} 2014- \\ 2018 \\ \hline \end{gathered}$ | $\begin{gathered} 4.26(2 \cdot 70 \text { to } \\ 6 \cdot 40) \\ \hline \end{gathered}$ | $\begin{gathered} 3.43(1.96 \text { to } \\ 5.57) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 22(2 \cdot 73 \text { to } \\ 6 \cdot 23) \\ \hline \end{gathered}$ | $\begin{gathered} 3.88(2.76 \text { to } \\ 5 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} 3.76(1.88 \text { to } \\ 6.72) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 64(0 \cdot 09 \text { to } \\ 20 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} 3.46(1.89 \text { to } \\ 5.80) \\ \hline \end{gathered}$ | $\begin{gathered} 0.00(0.00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 24(0.82 \text { to } \\ 4.88) \\ \hline \end{gathered}$ | $\begin{gathered} 4.00(2.07 \text { to } \\ 7.00) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 13(3.99 \text { to } \\ 11 \cdot 76) \\ \hline \end{gathered}$ | $\begin{gathered} 6 \cdot 71(2 \cdot 18 \text { to } \\ 15 \cdot 65) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pacific | $<1998$ | $\begin{gathered} \hline 2 \cdot 47(0 \cdot 80 \text { to } \\ 5 \cdot 76) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1 \cdot 89(0 \cdot 39 \text { to } \\ 5 \cdot 53) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 84(1 \cdot 04 \text { to } \\ 6 \cdot 19) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 98(0.08 \text { to } \\ 16 \cdot 60) \\ \hline \end{gathered}$ | $\begin{gathered} 2.44(1 \cdot 12 \text { to } \\ 4.63) \end{gathered}$ | $\begin{gathered} 2 \cdot 10(0.05 \text { to } \\ 11.69) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 05(0 \cdot 25 \text { to } \\ 7 \cdot 40) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0.00 \text { to } \\ 0.00) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0.00 \text { to } \\ 0.00) \\ \hline \end{gathered}$ | $\begin{gathered} 11.59(4 \cdot 66 \\ \text { to } 23.88) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 3 \cdot 92(2 \cdot 20 \text { to } \\ 6 \cdot 47) \\ \hline \end{gathered}$ | $\begin{gathered} 3.43(2.03 \text { to } \\ 5.42) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 04(2 \cdot 15 \text { to } \\ 6.92) \\ \hline \end{gathered}$ | $\begin{gathered} 4.83(1.32 \text { to } \\ 12.36) \\ \hline \end{gathered}$ | $\begin{gathered} 3.81(1.89 \text { to } \\ 6.82) \\ \hline \end{gathered}$ | $\begin{gathered} 3.75(1.86 \text { to } \\ 6.70) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 70(2 \cdot 26 \text { to } \\ 5.71) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 69(0 \cdot 21 \text { to } \\ 6 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 80(0 \cdot 10 \text { to } \\ 2 \cdot 88) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 44(0 \cdot 39 \text { to } \\ 3 \cdot 69) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 68(5 \cdot 64 \text { to } \\ 15 \cdot 50) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6 \cdot 96(0 \cdot 18 \text { to } \\ 38 \cdot 76) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2004- \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 67(2 \cdot 27 \text { to } \\ 5 \cdot 61) \\ \hline \end{gathered}$ | $\begin{gathered} 3.02(1.92 \text { to } \\ 4.54) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 87(2 \cdot 61 \text { to } \\ 5 \cdot 53) \\ \hline \end{gathered}$ | $\begin{gathered} 3.76(1.88 \text { to } \\ 6.72) \\ \hline \end{gathered}$ | $\begin{gathered} 2.88(0.94 \text { to } \\ 6.72) \end{gathered}$ | $\begin{gathered} 2 \cdot 32(0 \cdot 75 \text { to } \\ 5 \cdot 41) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 58(1.41 \text { to } \\ 4.33) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 56(0.01 \text { to } \\ 3 \cdot 15) \end{gathered}$ | $\begin{gathered} 1.95(0.78 \text { to } \\ 4.02) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 52(2 \cdot 68 \text { to } \\ 7 \cdot 15) \\ \hline \end{gathered}$ | $\begin{gathered} 5.04(2.68 \text { to } \\ 8.62) \\ \hline \end{gathered}$ | $\begin{aligned} & 15 \cdot 79(6 \cdot 82 \\ & \text { to } 31 \cdot 12) \\ & \hline \end{aligned}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 4.56(2.92 \text { to } \\ 6.78) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 50(1 \cdot 40 \text { to } \\ 4 \cdot 12) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 07(2 \cdot 10 \text { to } \\ 7 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 46(1.49 \text { to } \\ 13.98) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 11(2 \cdot 51 \text { to } \\ 6 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} 3.55(0.72 \text { to } \\ 10.38) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 29(2 \cdot 17 \text { to } \\ 4 \cdot 78) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.74(0.02 \text { to } \\ 4.11) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 07(0 \cdot 22 \text { to } \\ 3 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 3 \cdot 16(1 \cdot 58 \text { to } \\ 5 \cdot 65) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 39(2 \cdot 87 \text { to } \\ 9 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 62(1.82 \text { to } \\ 13 \cdot 11) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $\begin{gathered} 1.60(0.85 \text { to } \\ 2.73) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 50(0.75 \text { to } \\ 2 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} 1.68(1 \cdot 01 \text { to } \\ 2.62) \\ \hline \end{gathered}$ | $\begin{gathered} 1.77(0.48 \text { to } \\ 4.54) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1.55(0.04 \text { to } \\ 8.64) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 12(0 \cdot 03 \text { to } \\ 6 \cdot 25) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 24(0 \cdot 40 \text { to } \\ 2 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.48(0.06 \text { to } \\ 1.72) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 23(0.01 \text { to } \\ 1 \cdot 27) \\ \hline \end{gathered}$ | $\begin{gathered} 5 \cdot 44(3 \cdot 11 \text { to } \\ 8 \cdot 84) \\ \hline \end{gathered}$ | $\begin{aligned} & 12 \cdot 82(6 \cdot 40 \\ & \text { to } 22 \cdot 94) \\ & \hline \end{aligned}$ |


|  |  | Cardiovascular Hospitalisation |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| All | <1998 | $\begin{gathered} 25 \cdot 39(24 \cdot 60 \\ \text { to } 26 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 24 \cdot 48(23 \cdot 70 \\ \text { to } 25 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 32.54(30 \cdot 06 \text { to } \\ 35 \cdot 16) \\ \hline \end{gathered}$ | $\begin{gathered} 27 \cdot 71(26.04 \text { to } \\ 29 \cdot 47) \\ \hline \end{gathered}$ | $\begin{gathered} 24 \cdot 16(22 \cdot 98 \text { to } \\ 25 \cdot 38) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 18(18 \cdot 81 \text { to } \\ 21 \cdot 63) \\ \hline \end{gathered}$ | $\begin{gathered} 25 \cdot 26(24 \cdot 44 \text { to } \\ 26 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 60(9 \cdot 49 \\ \text { to } 11 \cdot 82) \\ \hline \end{gathered}$ | $\begin{gathered} 15 \cdot 74(14 \cdot 83 \\ \text { to } 16 \cdot 70) \\ \hline \end{gathered}$ | $\begin{gathered} 21 \cdot 52(20 \cdot 60 \\ \text { to } 22 \cdot 47) \\ \hline \end{gathered}$ | $\begin{gathered} 32 \cdot 80(31 \cdot 53 \\ \text { to } 34 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 64 \cdot 36(61 \cdot 24 \\ \text { to } 67 \cdot 60) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $\begin{gathered} 52 \cdot 62(51 \cdot 83 \\ \text { to } 53 \cdot 42) \end{gathered}$ | $\begin{gathered} 49 \cdot 62(48 \cdot 84 \\ \text { to } 50 \cdot 40) \end{gathered}$ | $\begin{gathered} 55 \cdot 14(52 \cdot 92 \text { to } \\ 57 \cdot 43) \end{gathered}$ | $\begin{gathered} 48 \cdot 66(47 \cdot 15 \text { to } \\ 50 \cdot 20) \end{gathered}$ | $\begin{gathered} 48 \cdot 64(47 \cdot 14 \text { to } \\ 50 \cdot 17) \end{gathered}$ | $\begin{gathered} 48 \cdot 01(46 \cdot 84 \text { to } \\ 49 \cdot 19) \end{gathered}$ | $\begin{gathered} 53 \cdot 71(52 \cdot 87 \text { to } \\ 54 \cdot 46) \end{gathered}$ | $\begin{gathered} 22 \cdot 42(21 \cdot 17 \\ \text { to } 23 \cdot 73) \end{gathered}$ | $\begin{gathered} 33 \cdot 04(32 \cdot 07 \\ \text { to } 34 \cdot 03) \end{gathered}$ | $\begin{gathered} 46 \cdot 86(45 \cdot 87 \\ \text { to } 47 \cdot 87) \end{gathered}$ | $\begin{aligned} & 58 \cdot 93(57 \cdot 80 \\ & \text { to } 60 \cdot 08) \end{aligned}$ | $\begin{gathered} 107 \cdot 40 \\ (105 \cdot 00 \text { to } \\ 109 \cdot 84) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $\begin{gathered} 77 \cdot 38(76 \cdot 47 \\ \text { to } 78 \cdot 30) \end{gathered}$ | $\begin{gathered} 76 \cdot 47(75 \cdot 54 \\ \text { to } 77 \cdot 41) \end{gathered}$ | $\begin{gathered} 79 \cdot 57(77 \cdot 19 \text { to } \\ 82 \cdot 00) \end{gathered}$ | $\begin{gathered} 82 \cdot 47(80 \cdot 58 \text { to } \\ 84 \cdot 38) \end{gathered}$ | $\begin{gathered} 81 \cdot 25(79 \cdot 78 \text { to } \\ 82 \cdot 73) \end{gathered}$ | $\begin{gathered} 74 \cdot 57(72 \cdot 80 \text { to } \\ 76 \cdot 37) \end{gathered}$ | $\begin{gathered} 73 \cdot 77(72 \cdot 83 \text { to } \\ 74 \cdot 72) \end{gathered}$ | $\begin{gathered} 42 \cdot 46(40 \cdot 62 \\ \text { to } 44 \cdot 36) \end{gathered}$ | $\begin{aligned} & 58 \cdot 17(56 \cdot 81 \\ & \text { to } 59 \cdot 54) \end{aligned}$ | $\begin{aligned} & 67 \cdot 81(82 \cdot 86 \\ & \text { to } 85 \cdot 42) \end{aligned}$ | $\begin{aligned} & 84 \cdot 13(82 \cdot 86 \\ & \text { to } 85 \cdot 42) \end{aligned}$ | $118 \cdot 34$ $(116 \cdot 40$ to $120 \cdot 30)$ |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | $\begin{gathered} 133 \cdot 57 \\ (131.87 \text { to } \\ 135 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 129 \cdot 56 \\ (127 \cdot 80 \text { to } \\ 131 \cdot 34) \\ \hline \end{gathered}$ | $\begin{gathered} 135 \cdot 40(133 \cdot 68 \\ \text { to } 137 \cdot 14) \end{gathered}$ | $\begin{gathered} 133 \cdot 85(130 \cdot 74 \\ \text { to } 137 \cdot 02) \end{gathered}$ | $\begin{gathered} 130 \cdot 16(126 \cdot 43 \\ \text { to } 133 \cdot 96) \end{gathered}$ | $\begin{gathered} 124 \cdot 07(120 \cdot 75 \\ \text { to } 127 \cdot 46) \end{gathered}$ | $\begin{aligned} & 120 \cdot 34(116 \cdot 51 \\ & \text { to } 124 \cdot 27) \end{aligned}$ | $\begin{gathered} 78.41(74 \cdot 24 \\ \text { to } 82.75) \end{gathered}$ | $111 \cdot 00$ $(108 \cdot 13$ to $113 \cdot 94)$ | $120 \cdot 66$ ( $66 \cdot 65$ to 68.98) | $140 \cdot 49$ $(138 \cdot 21$ to $142 \cdot 81)$ | $\begin{gathered} 163 \cdot 50 \\ (160 \cdot 57 \text { to } \\ 166 \cdot 47) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $\begin{gathered} \hline 277.92 \\ (273.98 \text { to } \\ 281.90) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 250 \cdot 10 \\ (246 \cdot 14 \text { to } \\ 254 \cdot 12) \\ \hline \end{gathered}$ | $\begin{gathered} 283 \cdot 92(279 \cdot 92 \\ \text { to } 287 \cdot 97) \end{gathered}$ | $\begin{gathered} 260 \cdot 59(252 \cdot 99 \\ \text { to } 268 \cdot 36) \end{gathered}$ | $\begin{gathered} 257 \cdot 71(249 \cdot 25 \\ \text { to } 266 \cdot 39) \end{gathered}$ | $\begin{gathered} 246 \cdot 35(239 \cdot 10 \\ \text { to } 253 \cdot 77) \end{gathered}$ | $\begin{gathered} 211 \cdot 79(203 \cdot 87 \\ \text { to } 219 \cdot 94) \end{gathered}$ | $\begin{gathered} \hline 126 \cdot 69 \\ (119 \cdot 06 \text { to } \\ 134.68) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 182 \cdot 95 \\ (176.98 \text { to } \\ 189.07) \\ \hline \end{gathered}$ | $\begin{gathered} 239 \cdot 02 \\ (233 \cdot 73 \text { to } \\ 244 \cdot 39) \\ \hline \end{gathered}$ | $\begin{gathered} 301 \cdot 00 \\ (295 \cdot 55 \text { to } \\ 306 \cdot 53) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 356 \cdot 29 \\ (349 \cdot 33 \text { to } \\ 363 \cdot 35) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| European | <1998 | $\begin{gathered} \hline 27 \cdot 13(25 \cdot 99 \\ \text { to } 28 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} 26 \cdot 57(25 \cdot 42 \\ \text { to } 27.77) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 34.56(31.59 \text { to } \\ 37.74) \\ \hline \end{gathered}$ | $\begin{gathered} 28 \cdot 40(26.78 \text { to } \\ 30 \cdot 08) \\ \hline \end{gathered}$ | $\begin{gathered} 28.08(25.94 \text { to } \\ 30 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 22 \cdot 47(20 \cdot 68 \text { to } \\ 24 \cdot 37) \\ \hline \end{gathered}$ | $\begin{gathered} 25 \cdot 59(24 \cdot 19 \text { to } \\ 27 \cdot 04) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10 \cdot 60(8 \cdot 44 \\ \text { to } 13 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 12.97(11.53 \\ \text { to } 14.55) \\ \hline \end{gathered}$ | $\begin{gathered} 18 \cdot 80(17 \cdot 59 \\ \text { to } 20 \cdot 08) \\ \hline \end{gathered}$ | $\begin{gathered} 30.20(28.75 \\ \text { to } 31.70) \\ \hline \end{gathered}$ | $\begin{gathered} 60 \cdot 61(57 \cdot 25 \\ \text { to } 64 \cdot 12) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 56 \cdot 77(55 \cdot 58 \\ \text { to } 57.97) \\ \hline \end{gathered}$ | $\begin{gathered} 53 \cdot 54(52.33 \\ \text { to } 54.77) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 61 \cdot 16(59 \cdot 56 \text { to } \\ 62 \cdot 79) \\ \hline \end{gathered}$ | $\begin{gathered} 53 \cdot 97(52 \cdot 30 \text { to } \\ 55 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} 50 \cdot 84(48.83 \text { to } \\ 52 \cdot 91) \\ \hline \end{gathered}$ | $\begin{gathered} 50 \cdot 47(48.55 \text { to } \\ 52.46) \\ \hline \end{gathered}$ | $\begin{gathered} 56 \cdot 60(53 \cdot 96 \text { to } \\ 59 \cdot 32) \\ \hline \end{gathered}$ | $\begin{gathered} 29 \cdot 59(26.73 \\ \text { to } 32.67) \\ \hline \end{gathered}$ | $\begin{gathered} 32.78(30.88 \\ \text { to } 34.76) \\ \hline \end{gathered}$ | $\begin{gathered} 41.08(39 \cdot 66 \\ \text { to } 42.55) \\ \hline \end{gathered}$ | $\begin{gathered} 53.68(52.32 \\ \text { to } 55.06) \\ \hline \end{gathered}$ | $\begin{gathered} 98.92(96.34 \\ \text { to } 101.54) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $\begin{gathered} 84 \cdot 78(83 \cdot 29 \\ \text { to } 86 \cdot 29) \end{gathered}$ | $\begin{gathered} 82 \cdot 40(81 \cdot 05 \\ \text { to } 83 \cdot 76) \end{gathered}$ | $\begin{gathered} 87 \cdot 41(85 \cdot 54 \text { to } \\ 89 \cdot 30) \end{gathered}$ | $\begin{gathered} 89 \cdot 59(87 \cdot 13 \text { to } \\ 92 \cdot 11) \end{gathered}$ | $\begin{gathered} 83 \cdot 62(81 \cdot 56 \text { to } \\ 85 \cdot 72) \end{gathered}$ | $\begin{gathered} 76 \cdot 48(74 \cdot 13 \text { to } \\ 78 \cdot 88) \end{gathered}$ | $\begin{gathered} 74 \cdot 89(72 \cdot 22 \text { to } \\ 77 \cdot 64) \end{gathered}$ | $\begin{gathered} 61 \cdot 53(56.64 \\ \text { to } 66.73) \end{gathered}$ | $\begin{gathered} 61 \cdot 69(58 \cdot 72 \\ \text { to } 64 \cdot 77) \end{gathered}$ | $\begin{gathered} 60 \cdot 25(58 \cdot 46 \\ \text { to } 62 \cdot 08) \end{gathered}$ | $\begin{aligned} & 79 \cdot 47(77 \cdot 84 \\ & \text { to } 81 \cdot 13) \end{aligned}$ | $\begin{gathered} 114.92 \\ (112.78 \text { to } \\ 117.10) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | $\begin{gathered} 129 \cdot 69 \\ (127 \cdot 20 \text { to } \\ 132 \cdot 21) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 128 \cdot 19 \\ (125 \cdot 50 \text { to } \\ 130 \cdot 92) \\ \hline \end{gathered}$ | $\begin{gathered} 143 \cdot 16(139 \cdot 87 \\ \text { to } 146 \cdot 52) \end{gathered}$ | $\begin{gathered} 129 \cdot 05(124 \cdot 74 \\ \text { to } 133 \cdot 48) \end{gathered}$ | $\begin{gathered} 123 \cdot 47(118 \cdot 77 \\ \text { to } 128 \cdot 31) \end{gathered}$ | $\begin{gathered} 116 \cdot 25(112 \cdot 14 \\ \text { to } 120 \cdot 48) \end{gathered}$ | $\begin{gathered} 118 \cdot 84(114 \cdot 49 \\ \text { to } 123 \cdot 31) \end{gathered}$ | $\begin{gathered} 78.89(68 \cdot 92 \\ \text { to } 89 \cdot 91) \end{gathered}$ | $\begin{gathered} \hline 103 \cdot 17 \\ (97 \cdot 46 \text { to } \\ 109 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 103 \cdot 10 \\ (99 \cdot 33 \text { to } \\ 106 \cdot 99) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 123 \cdot 20 \\ (120 \cdot 16 \text { to } \\ 126 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} 158.09 \\ (154.72 \text { to } \\ 161.52) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $\begin{gathered} 281.79 \\ (275.65 \text { to } \\ 288.03) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 249 \cdot 68 \\ (243 \cdot 39 \text { to } \\ 255 \cdot 98) \\ \hline \end{gathered}$ | $\begin{gathered} 303 \cdot 17(294 \cdot 98 \\ \text { to } 311 \cdot 52) \end{gathered}$ | $\begin{aligned} & 271 \cdot 13(259 \cdot 71 \\ & \text { to } 282 \cdot 92) \end{aligned}$ | $\begin{gathered} 268 \cdot 71(257 \cdot 43 \\ \text { to } 280 \cdot 36) \end{gathered}$ | $\begin{aligned} & 250 \cdot 64(241 \cdot 30 \\ & \text { to } 260 \cdot 25) \end{aligned}$ | $\begin{aligned} & 217 \cdot 60(208 \cdot 17 \\ & \text { to } 227 \cdot 34) \end{aligned}$ | $\begin{gathered} \hline 126 \cdot 32 \\ (109 \cdot 74 \text { to } \\ 144 \cdot 70) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 156 \cdot 52 \\ (145 \cdot 09 \text { to } \\ 168.61) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 171 \cdot 80 \\ (163 \cdot 71 \text { to } \\ 180 \cdot 18) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 277 \cdot 24 \\ (269 \cdot 67 \text { to } \\ 284 \cdot 97) \\ \hline \end{gathered}$ | $\begin{gathered} 349 \cdot 26 \\ (340 \cdot 75 \text { to } \\ 357 \cdot 93) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Māori | <1998 | $\begin{gathered} 27 \cdot 18(25 \cdot 34 \\ \text { to } 29 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} 24 \cdot 01(22 \cdot 30 \\ \text { to } 25 \cdot 81) \\ \hline \end{gathered}$ | $\begin{gathered} 30 \cdot 91(24 \cdot 35 \text { to } \\ 38 \cdot 69) \\ \hline \end{gathered}$ | $\begin{gathered} 34 \cdot 70(29 \cdot 87 \text { to } \\ 40 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} 19 \cdot 30(16.75 \text { to } \\ 22 \cdot 14) \end{gathered}$ | $\begin{gathered} 17.78(14.51 \text { to } \\ 21.56) \end{gathered}$ | $\begin{gathered} 27 \cdot 23(25 \cdot 54 \text { to } \\ 28 \cdot 99) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 28(11 \cdot 19 \\ \text { to } 15 \cdot 64) \\ \hline \end{gathered}$ | $\begin{gathered} 21 \cdot 71(19 \cdot 70 \\ \text { to } 23.88) \\ \hline \end{gathered}$ | $\begin{gathered} 30 \cdot 57(28 \cdot 09 \\ \text { to } 33 \cdot 21) \end{gathered}$ | $\begin{gathered} 38 \cdot 00(33 \cdot 84 \\ \text { to } 42 \cdot 54) \\ \hline \end{gathered}$ | $\begin{gathered} 93 \cdot 88(76 \cdot 04 \\ \text { to } 114 \cdot 64) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $\begin{aligned} & 50 \cdot 21(48 \cdot 50 \\ & \text { to } 51 \cdot 97) \end{aligned}$ | $\begin{gathered} 49 \cdot 94(48 \cdot 23 \\ \text { to } 51 \cdot 69) \end{gathered}$ | $\begin{gathered} 56.36(54.69 \text { to } \\ 58.06) \end{gathered}$ | $\begin{gathered} 49 \cdot 73(45 \cdot 77 \text { to } \\ 53 \cdot 93) \end{gathered}$ | $\begin{gathered} 42 \cdot 46(38 \cdot 78 \text { to } \\ 46 \cdot 39) \end{gathered}$ | $\begin{gathered} 35 \cdot 12(32 \cdot 79 \text { to } \\ 37 \cdot 57) \end{gathered}$ | $\begin{gathered} 44 \cdot 72(39 \cdot 16 \text { to } \\ 50 \cdot 85) \end{gathered}$ | $\begin{aligned} & 22 \cdot 51(20 \cdot 35 \\ & \text { to } 24 \cdot 84) \end{aligned}$ | $\begin{gathered} 39 \cdot 60(37 \cdot 71 \\ \text { to } 41 \cdot 56) \end{gathered}$ | $\begin{aligned} & 59.44(57.05 \\ & \text { to } 61.91) \end{aligned}$ | $\begin{aligned} & 74 \cdot 94(71.29 \\ & \text { to } 78 \cdot 72) \end{aligned}$ | $\begin{gathered} \hline 165 \cdot 33 \\ (150 \cdot 31 \text { to } \\ 181 \cdot 45) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $\begin{aligned} & 78 \cdot 75(76 \cdot 71 \\ & \text { to } 80 \cdot 82) \end{aligned}$ | $\begin{aligned} & 73.60(71.64 \\ & \text { to } 75 \cdot 59) \end{aligned}$ | $\begin{gathered} 108 \cdot 92(99 \cdot 96 \\ \text { to } 118 \cdot 47) \end{gathered}$ | $\begin{gathered} 85 \cdot 20(79 \cdot 87 \text { to } \\ 90 \cdot 79) \end{gathered}$ | $\begin{gathered} 73 \cdot 65(70 \cdot 46 \text { to } \\ 76 \cdot 94) \end{gathered}$ | $\begin{gathered} 69 \cdot 89(65 \cdot 72 \text { to } \\ 74 \cdot 25) \end{gathered}$ | $\begin{gathered} 75 \cdot 02(73 \cdot 20 \text { to } \\ 76 \cdot 87) \end{gathered}$ | $\begin{gathered} 39 \cdot 29(36 \cdot 35 \\ \text { to } 42 \cdot 41) \end{gathered}$ | $\begin{gathered} 67 \cdot 26(64 \cdot 74 \\ \text { to } 69 \cdot 84) \end{gathered}$ | $\begin{aligned} & 80 \cdot 47(77 \cdot 89 \\ & \text { to } 83 \cdot 11) \end{aligned}$ | $\begin{aligned} & 98 \cdot 61(95 \cdot 09 \\ & \text { to } 102 \cdot 22) \end{aligned}$ | $\begin{gathered} \hline 144 \cdot 57 \\ (135 \cdot 13 \text { to } \\ 154 \cdot 49) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \end{aligned}$ | $\begin{gathered} \hline 141 \cdot 37 \\ (137.58 \text { to } \\ 145 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 129 \cdot 12 \\ (125 \cdot 50 \text { to } \\ 132.81) \\ \hline \end{gathered}$ | $\begin{gathered} 145 \cdot 66(129 \cdot 04 \\ \text { to } 163 \cdot 83) \end{gathered}$ | $\begin{aligned} & 143 \cdot 91(133 \cdot 52 \\ & \text { to } 154 \cdot 90) \end{aligned}$ | $\begin{aligned} & 131 \cdot 76(123 \cdot 05 \\ & \text { to } 140 \cdot 93) \end{aligned}$ | $\begin{aligned} & 128 \cdot 54(122 \cdot 03 \\ & \text { to } 135 \cdot 31) \end{aligned}$ | $\begin{gathered} 136 \cdot 10(132 \cdot 88 \\ \text { to } 139 \cdot 37) \end{gathered}$ | $\begin{aligned} & 78 \cdot 52(72 \cdot 26 \\ & \text { to } 85 \cdot 18) \end{aligned}$ | $\begin{gathered} 117.05 \\ (111.97 \text { to } \\ 122.30) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 137.06 \\ (132.46 \text { to } \\ 141.78) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 159 \cdot 88 \\ (154.09 \text { to } \\ 165 \cdot 83) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 190 \cdot 73 \\ (179.90 \text { to } \\ 202 \cdot 04) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2014- \\ & 2018 \end{aligned}$ | $\begin{gathered} 299 \cdot 73 \\ (290 \cdot 28 \text { to } \\ 309 \cdot 41) \\ \hline \end{gathered}$ | $\begin{gathered} 281 \cdot 79 \\ (272.40 \text { to } \\ 291.42) \\ \hline \end{gathered}$ | $\begin{gathered} 299 \cdot 42(291 \cdot 31 \\ \text { to } 307 \cdot 70) \end{gathered}$ | $\begin{gathered} 319 \cdot 64(292 \cdot 29 \\ \text { to } 348 \cdot 87) \end{gathered}$ | $\begin{gathered} 278 \cdot 23(259 \cdot 48 \\ \text { to } 297 \cdot 96) \end{gathered}$ | $\begin{gathered} 244 \cdot 89(224 \cdot 49 \\ \text { to } 266 \cdot 66) \end{gathered}$ | $\begin{gathered} 249 \cdot 30(215 \cdot 11 \\ \text { to } 287 \cdot 38) \end{gathered}$ | $\begin{gathered} 163 \cdot 15 \\ (146 \cdot 78 \text { to } \\ 180 \cdot 86) \\ \hline \end{gathered}$ | $\begin{gathered} 243 \cdot 98 \\ (230 \cdot 57 \text { to } \\ 257 \cdot 96) \\ \hline \end{gathered}$ | $\begin{gathered} 287 \cdot 44 \\ (275 \cdot 32 \text { to } \\ 299 \cdot 96) \\ \hline \end{gathered}$ | $\begin{gathered} 332 \cdot 07 \\ (318 \cdot 38 \text { to } \\ 346 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 419 \cdot 59 \\ (396 \cdot 49 \text { to } \\ 443 \cdot 68) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pacific | <1998 | $\begin{gathered} 18 \cdot 48(16 \cdot 86 \\ \text { to } 20 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 40(18 \cdot 86 \\ \text { to } 22 \cdot 03) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 26.05(11.25 \text { to } \\ 51.33) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 17 \cdot 47(14 \cdot 86 \text { to } \\ 20 \cdot 41) \end{gathered}$ | $\begin{gathered} \hline 12 \cdot 29(8 \cdot 90 \text { to } \\ 16 \cdot 56) \end{gathered}$ | $\begin{gathered} 9 \cdot 86(5 \cdot 52 \text { to } \\ 16 \cdot 27) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 21 \cdot 03(19 \cdot 67 \text { to } \\ 22 \cdot 45) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5.01(3.59 \text { to } \\ 6.79) \end{gathered}$ | $\begin{gathered} 15 \cdot 00(13 \cdot 29 \\ \text { to } 16.87) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 48(15 \cdot 66 \\ \text { to } 19 \cdot 46) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 49 \cdot 21(44 \cdot 39 \\ \text { to } 54 \cdot 41) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 66 \cdot 13(50 \cdot 59 \\ \text { to } 84 \cdot 95) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $\begin{gathered} 43 \cdot 73(42 \cdot 05 \\ \text { to } 45 \cdot 47) \end{gathered}$ | $\begin{gathered} 41 \cdot 16(39 \cdot 75 \\ \text { to } 42 \cdot 60) \end{gathered}$ | $\begin{gathered} 41 \cdot 84(40 \cdot 55 \text { to } \\ 43 \cdot 17) \end{gathered}$ | $\begin{gathered} 53 \cdot 03(46 \cdot 79 \text { to } \\ 59 \cdot 87) \end{gathered}$ | $\begin{gathered} 42 \cdot 58(38.67 \text { to } \\ 46 \cdot 78) \end{gathered}$ | $\begin{gathered} 42 \cdot 79(40 \cdot 29 \text { to } \\ 45 \cdot 40) \end{gathered}$ | $\begin{gathered} 32 \cdot 84(23 \cdot 00 \text { to } \\ 45 \cdot 47) \end{gathered}$ | $\begin{aligned} & 17 \cdot 12(15 \cdot 10 \\ & \text { to } 19 \cdot 34) \end{aligned}$ | $\begin{aligned} & 27 \cdot 03(25 \cdot 43 \\ & \text { to } 28 \cdot 71) \end{aligned}$ | $\begin{gathered} 43 \cdot 41(41 \cdot 53 \\ \text { to } 45 \cdot 36) \end{gathered}$ | $\begin{aligned} & 65 \cdot 35(62 \cdot 30 \\ & \text { to } 68 \cdot 51) \end{aligned}$ | $\begin{gathered} 122.29 \\ (113.28 \text { to } \\ 131.82) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2004- \\ & 2008 \end{aligned}$ | $\begin{aligned} & 66 \cdot 39(64 \cdot 47 \\ & \text { to } 68 \cdot 37) \end{aligned}$ | $\begin{aligned} & 65 \cdot 59(63 \cdot 87 \\ & \text { to } 67 \cdot 34) \end{aligned}$ | $\begin{gathered} 68 \cdot 76(57.45 \text { to } \\ 81 \cdot 64) \end{gathered}$ | $\begin{gathered} 82 \cdot 04(78 \cdot 72 \text { to } \\ 85 \cdot 47) \end{gathered}$ | $\begin{gathered} 62 \cdot 99(58 \cdot 28 \text { to } \\ 67 \cdot 98) \end{gathered}$ | $\begin{gathered} 56 \cdot 97(51 \cdot 20 \text { to } \\ 63 \cdot 22) \end{gathered}$ | $\begin{gathered} 62 \cdot 47(60 \cdot 97 \text { to } \\ 63 \cdot 99) \end{gathered}$ | $\begin{aligned} & 27 \cdot 63(25 \cdot 09 \\ & \text { to } 30 \cdot 36) \end{aligned}$ | $\begin{gathered} 49 \cdot 84(47 \cdot 60 \\ \text { to } 52 \cdot 15) \end{gathered}$ | $\begin{aligned} & 66 \cdot 58(64 \cdot 38 \\ & \text { to } 68 \cdot 84) \end{aligned}$ | $\begin{gathered} 89 \cdot 85(86 \cdot 61 \\ \text { to } 93 \cdot 18) \end{gathered}$ | $\begin{gathered} \hline 127 \cdot 86 \\ (120.99 \text { to } \\ 135 \cdot 01) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \end{aligned}$ | $\begin{gathered} \hline 134 \cdot 28 \\ (130 \cdot 50 \text { to } \\ 138 \cdot 15) \\ \hline \end{gathered}$ | $\begin{gathered} 129.72 \\ (126.03 \text { to } \\ 133.48) \\ \hline \end{gathered}$ | $\begin{gathered} 156 \cdot 91(131 \cdot 99 \\ \text { to } 185 \cdot 16) \end{gathered}$ | $\begin{aligned} & 153 \cdot 25(139 \cdot 06 \\ & \text { to } 168 \cdot 50) \end{aligned}$ | $\begin{aligned} & 134 \cdot 82(127 \cdot 07 \\ & \text { to } 142 \cdot 91) \end{aligned}$ | $\begin{gathered} 132 \cdot 19(119 \cdot 23 \\ \text { to } 146 \cdot 17) \end{gathered}$ | $\begin{gathered} 130 \cdot 32(127 \cdot 36 \\ \text { to } 133 \cdot 32) \end{gathered}$ | $\begin{aligned} & 73 \cdot 92(66 \cdot 35 \\ & \text { to } 82 \cdot 12) \end{aligned}$ | $\begin{gathered} 110 \cdot 77 \\ (105 \cdot 55 \text { to } \\ 116 \cdot 18) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 116 \cdot 28 \\ (112 \cdot 00 \text { to } \\ 120 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 163 \cdot 78 \\ (158 \cdot 15 \text { to } \\ 169 \cdot 56) \\ \hline \end{gathered}$ | $\begin{gathered} 203.54 \\ (192.54 \text { to } \\ 215.00) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $\begin{gathered} 275 \cdot 11 \\ (267 \cdot 44 \text { to } \\ 282 \cdot 93) \\ \hline \end{gathered}$ | $\begin{gathered} 252 \cdot 18 \\ (244 \cdot 43 \text { to } \\ 260 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 268 \cdot 24(261 \cdot 99 \\ \text { to } 274 \cdot 60) \end{gathered}$ | $\begin{gathered} 272 \cdot 86(247 \cdot 33 \\ \text { to } 300 \cdot 32) \end{gathered}$ | $\begin{gathered} 267 \cdot 36(251 \cdot 03 \\ \text { to } 284 \cdot 48) \end{gathered}$ | $\begin{aligned} & 254 \cdot 92(230 \cdot 00 \\ & \text { to } 281 \cdot 81) \end{aligned}$ | $\begin{gathered} 144 \cdot 52(117 \cdot 33 \\ \text { to } 176 \cdot 12) \end{gathered}$ | $\begin{gathered} 120 \cdot 56 \\ (108 \cdot 65 \text { to } \\ 133.42) \\ \hline \end{gathered}$ | $\begin{gathered} 180.98 \\ (171.42 \text { to } \\ 190.92) \\ \hline \end{gathered}$ | $\begin{gathered} 285 \cdot 50 \\ (275 \cdot 06 \text { to } \\ 296 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 338 \cdot 29 \\ (326 \cdot 17 \text { to } \\ 350.74) \\ \hline \end{gathered}$ | $381 \cdot 41$ $(361 \cdot 14$ to $402.52)$ |
| Cancer Hospitalisation |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All | <1998 | $\begin{gathered} 13 \cdot 33(12 \cdot 13 \\ \text { to } 14 \cdot 62) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 13(12 \cdot 00 \\ \text { to } 14 \cdot 33) \\ \hline \end{gathered}$ | $\begin{gathered} 15.03(11.80 \text { to } \\ 18.87) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 16(14 \cdot 55 \text { to } \\ 20 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} 14.97(13.08 \text { to } \\ 17.06) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 88(6 \cdot 25 \text { to } \\ 9 \cdot 81) \\ \hline \end{gathered}$ | $\begin{gathered} 13.72(12.44 \text { to } \\ 15.09) \\ \hline \end{gathered}$ | $\begin{gathered} 5.63(3.94 \text { to } \\ 7.79) \\ \hline \end{gathered}$ | $\begin{gathered} 8 \cdot 59(7 \cdot 23 \text { to } \\ 10 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 85(9 \cdot 56 \\ \text { to } 12 \cdot 26) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 79(15 \cdot 91 \\ \text { to } 19 \cdot 83) \\ \hline \end{gathered}$ | $\begin{gathered} 32 \cdot 94(28 \cdot 24 \\ \text { to } 38 \cdot 20) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 41 \cdot 55(40 \cdot 15 \\ \text { to } 43 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 32 \cdot 42(31 \cdot 23 \\ \text { to } 33.64) \\ \hline \end{gathered}$ | $\begin{gathered} 40 \cdot 76(39 \cdot 27 \text { to } \\ 42 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} 37 \cdot 09(34 \cdot 57 \text { to } \\ 39 \cdot 75) \\ \hline \end{gathered}$ | $\begin{gathered} 36 \cdot 22(34 \cdot 30 \text { to } \\ 38 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} 28.75(26.62 \text { to } \\ 31.01) \\ \hline \end{gathered}$ | $\begin{gathered} 35 \cdot 79(32 \cdot 68 \text { to } \\ 39 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 82(18.33 \\ \text { to } 23.56) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 54(16 \cdot 16 \\ \text { to } 19 \cdot 02) \\ \hline \end{gathered}$ | $\begin{gathered} 33 \cdot 24(31 \cdot 70 \\ \text { to } 34 \cdot 84) \\ \hline \end{gathered}$ | $\begin{gathered} 39.86(38.08 \\ \text { to } 41.70) \\ \hline \end{gathered}$ | $\begin{gathered} 89 \cdot 65(85 \cdot 20 \\ \text { to } 94 \cdot 28) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2004- \\ & 2008 \end{aligned}$ | $\begin{gathered} 67 \cdot 37(65 \cdot 92 \\ \text { to } 68 \cdot 84) \end{gathered}$ | $\begin{aligned} & 66 \cdot 15(64 \cdot 63 \\ & \text { to } 67 \cdot 69) \end{aligned}$ | $\begin{gathered} 66 \cdot 74(65 \cdot 06 \text { to } \\ 68 \cdot 46) \end{gathered}$ | $\begin{gathered} 73 \cdot 12(70 \cdot 79 \text { to } \\ 75 \cdot 51) \end{gathered}$ | $\begin{gathered} 64 \cdot 21(61 \cdot 46 \text { to } \\ 67 \cdot 06) \end{gathered}$ | $\begin{gathered} 61 \cdot 38(58 \cdot 83 \text { to } \\ 64 \cdot 02) \end{gathered}$ | $\begin{gathered} 66 \cdot 61(63 \cdot 35 \text { to } \\ 70 \cdot 01) \end{gathered}$ | $\begin{gathered} 36 \cdot 23(32 \cdot 90 \\ \text { to } 39 \cdot 82) \end{gathered}$ | $\begin{gathered} 35 \cdot 31(33 \cdot 51 \\ \text { to } 37 \cdot 18) \end{gathered}$ | $\begin{aligned} & 56 \cdot 72(54.93 \\ & \text { to } 58 \cdot 55) \end{aligned}$ | $\begin{aligned} & 77 \cdot 32(75 \cdot 27 \\ & \text { to } 79 \cdot 40) \end{aligned}$ | $\begin{gathered} \hline 111.40 \\ (108.07 \text { to } \\ 114.81) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | $\begin{gathered} 126 \cdot 26 \\ (123.62 \text { to } \\ 128.95) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 114 \cdot 19 \\ (111 \cdot 80 \text { to } \\ 116 \cdot 63) \\ \hline \end{gathered}$ | $\begin{gathered} 128 \cdot 98(126 \cdot 16 \\ \text { to } 131 \cdot 86) \end{gathered}$ | $\begin{gathered} 131 \cdot 98(127 \cdot 40 \\ \text { to } 136 \cdot 67) \end{gathered}$ | $\begin{gathered} 117 \cdot 18(112 \cdot 15 \\ \text { to } 122 \cdot 37) \end{gathered}$ | $\begin{aligned} & 102 \cdot 56(98 \cdot 48 \\ & \text { to } 106 \cdot 77) \end{aligned}$ | $\begin{aligned} & 101 \cdot 31(96 \cdot 77 \\ & \text { to } 106 \cdot 02) \end{aligned}$ | $\begin{aligned} & 64 \cdot 17(58 \cdot 13 \\ & \text { to } 70 \cdot 67) \end{aligned}$ | $\begin{gathered} 79 \cdot 23(75 \cdot 43 \\ \text { to } 83 \cdot 17) \end{gathered}$ | $\begin{aligned} & 99 \cdot 77(96 \cdot 77 \\ & \text { to } 102 \cdot 83) \end{aligned}$ | $\begin{gathered} 125.98 \\ (122.72 \text { to } \\ 129.31) \\ \hline \end{gathered}$ | $183 \cdot 99$ $(179 \cdot 06$ to $189 \cdot 02)$ |
|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $\begin{gathered} \hline 210.23 \\ (205.95 \text { to } \\ 214.57) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 210 \cdot 20 \\ (205 \cdot 82 \text { to } \\ 214 \cdot 65) \\ \hline \end{gathered}$ | $\begin{gathered} 216 \cdot 58(212 \cdot 02 \\ \text { to } 221 \cdot 21) \end{gathered}$ | $\begin{gathered} 221 \cdot 97(213 \cdot 69 \\ \text { to } 230 \cdot 49) \end{gathered}$ | $\begin{gathered} 221 \cdot 16(211 \cdot 73 \\ \text { to } 230 \cdot 90) \end{gathered}$ | $\begin{aligned} & 190 \cdot 56(183 \cdot 20 \\ & \text { to } 198 \cdot 13) \end{aligned}$ | $\begin{gathered} 197 \cdot 07(188 \cdot 62 \\ \text { to } 205 \cdot 80) \end{gathered}$ | $\begin{aligned} & 61 \cdot 16(54 \cdot 68 \\ & \text { to } 68 \cdot 20) \end{aligned}$ | $\begin{gathered} 132 \cdot 27 \\ (126 \cdot 40 \text { to } \\ 138 \cdot 36) \\ \hline \end{gathered}$ | $\begin{gathered} 168 \cdot 81 \\ (163 \cdot 55 \text { to } \\ 174 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 256 \cdot 75 \\ (250 \cdot 58 \text { to } \\ 263 \cdot 04) \\ \hline \end{gathered}$ | $\begin{gathered} 336 \cdot 62 \\ (327 \cdot 53 \text { to } \\ 345 \cdot 90) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| European | $<1998$ | $\begin{gathered} 13.50(12.06 \\ \text { to } 15.07) \\ \hline \end{gathered}$ | $\begin{gathered} 10.00(8.60 \\ \text { to } 11.55) \\ \hline \end{gathered}$ | $\begin{gathered} 16.25(12.57 \text { to } \\ 20 \cdot 67) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 41(12 \cdot 15 \text { to } \\ 16 \cdot 96) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 66(9 \cdot 15 \text { to } \\ 14 \cdot 64) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 39(5 \cdot 60 \text { to } \\ 9 \cdot 57) \\ \hline \end{gathered}$ | $\begin{gathered} 12.44(10.59 \text { to } \\ 14.52) \\ \hline \end{gathered}$ | $\begin{gathered} 4.32(2.07 \text { to } \\ 7.95) \\ \hline \end{gathered}$ | $\begin{gathered} 5.33(3.75 \text { to } \\ 7.35) \\ \hline \end{gathered}$ | $\begin{gathered} 7 \cdot 99(6 \cdot 58 \text { to } \\ 9 \cdot 62) \\ \hline \end{gathered}$ | $\begin{gathered} 16.01(13.95 \\ \text { to } 18.28) \\ \hline \end{gathered}$ | $\begin{gathered} 26.40(21.79 \\ \text { to } 31.68) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 42 \cdot 01(40 \cdot 05 \\ \text { to } 44 \cdot 05) \\ \hline \end{gathered}$ | $\begin{gathered} 32 \cdot 69(31 \cdot 16 \\ \text { to } 34 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 48 \cdot 14(45 \cdot 54 \text { to } \\ 50 \cdot 84) \\ \hline \end{gathered}$ | $\begin{gathered} 34 \cdot 69(32 \cdot 31 \text { to } \\ 37 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 33 \cdot 52(30 \cdot 65 \text { to } \\ 36 \cdot 59) \\ \hline \end{gathered}$ | $\begin{gathered} 26 \cdot 63(24 \cdot 25 \text { to } \\ 29 \cdot 16) \\ \hline \end{gathered}$ | $\begin{gathered} 35 \cdot 19(31 \cdot 72 \text { to } \\ 38 \cdot 94) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 40(10 \cdot 20 \\ \text { to } 17 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 00(14 \cdot 84 \\ \text { to } 19 \cdot 39) \\ \hline \end{gathered}$ | $\begin{gathered} 28 \cdot 32(26 \cdot 34 \\ \text { to } 30 \cdot 42) \\ \hline \end{gathered}$ | $\begin{gathered} 34 \cdot 44(32 \cdot 49 \\ \text { to } 36 \cdot 48) \\ \hline \end{gathered}$ | $\begin{aligned} & 84 \cdot 96(80 \cdot 16 \\ & \text { to } 89 \cdot 96) \\ & \hline \end{aligned}$ |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $\begin{aligned} & 68 \cdot 16(66 \cdot 33 \\ & \text { to } 70 \cdot 02) \end{aligned}$ | $\begin{aligned} & 66 \cdot 73(64 \cdot 64 \\ & \text { to } 68 \cdot 88) \end{aligned}$ | $\begin{gathered} 69 \cdot 92(67 \cdot 21 \text { to } \\ 72 \cdot 70) \end{gathered}$ | $\begin{gathered} 74.84(71 \cdot 85 \text { to } \\ 77.93) \end{gathered}$ | $\begin{gathered} 64 \cdot 51(61 \cdot 52 \text { to } \\ 67 \cdot 62) \end{gathered}$ | $\begin{gathered} 61 \cdot 21(57 \cdot 92 \text { to } \\ 64 \cdot 63) \end{gathered}$ | $\begin{gathered} 63 \cdot 26(59 \cdot 74 \text { to } \\ 66 \cdot 93) \end{gathered}$ | $\begin{gathered} 39 \cdot 61(33 \cdot 40 \\ \text { to } 46 \cdot 63) \end{gathered}$ | $\begin{aligned} & 31 \cdot 56(28 \cdot 80 \\ & \text { to } 34 \cdot 52) \end{aligned}$ | $\begin{aligned} & 46 \cdot 77(44 \cdot 51 \\ & \text { to } 49 \cdot 12) \end{aligned}$ | $\begin{gathered} 69 \cdot 50(67 \cdot 18 \\ \text { to } 71 \cdot 87) \end{gathered}$ | $\begin{gathered} 108 \cdot 70 \\ (105 \cdot 09 \text { to } \\ 112 \cdot 40) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \end{aligned}$ | $\begin{gathered} \hline 123 \cdot 78 \\ (120 \cdot 19 \text { to } \\ 127 \cdot 45) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 113 \cdot 21 \\ (110 \cdot 17 \text { to } \\ 116 \cdot 31) \\ \hline \end{gathered}$ | $\begin{gathered} 138 \cdot 37(133 \cdot 66 \\ \text { to } 143 \cdot 20) \end{gathered}$ | $\begin{gathered} 123 \cdot 95(117 \cdot 73 \\ \text { to } 130 \cdot 43) \end{gathered}$ | $\begin{gathered} 113 \cdot 70(108 \cdot 48 \\ \text { to } 119 \cdot 10) \end{gathered}$ | $\begin{gathered} 103 \cdot 73(98 \cdot 92 \\ \text { to } 108 \cdot 72) \end{gathered}$ | $\begin{gathered} 102 \cdot 21(97 \cdot 09 \\ \text { to } 107 \cdot 53) \end{gathered}$ | $\begin{gathered} 34 \cdot 12(25 \cdot 91 \\ \text { to } 44 \cdot 11) \end{gathered}$ | $\begin{aligned} & 99 \cdot 66(92 \cdot 61 \\ & \text { to } 107 \cdot 12) \end{aligned}$ | $\begin{aligned} & 86.57(82.57 \\ & \text { to } 90 \cdot 72) \end{aligned}$ | $\begin{gathered} \hline 104 \cdot 05 \\ (100 \cdot 36 \text { to } \\ 107 \cdot 84) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 174 \cdot 32 \\ (169 \cdot 07 \text { to } \\ 179 \cdot 68) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2014- \\ & 2018 \end{aligned}$ | $\begin{gathered} \hline 259 \cdot 19 \\ (252 \cdot 70 \text { to } \\ 265 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 246 \cdot 34 \\ (239 \cdot 38 \text { to } \\ 253 \cdot 45) \\ \hline \end{gathered}$ | $\begin{aligned} & 295 \cdot 91(286 \cdot 34 \\ & \text { to } 305 \cdot 72) \end{aligned}$ | $\begin{gathered} 283 \cdot 83(271 \cdot 40 \\ \text { to } 296 \cdot 68) \end{gathered}$ | $\begin{gathered} 237 \cdot 75(225 \cdot 65 \\ \text { to } 250 \cdot 33) \end{gathered}$ | $\begin{gathered} 226 \cdot 19(216 \cdot 52 \\ \text { to } 236 \cdot 17) \end{gathered}$ | $\begin{gathered} 212.44(202 \cdot 52 \\ \text { to } 222 \cdot 72) \end{gathered}$ | $\begin{aligned} & 59 \cdot 20(46 \cdot 15 \\ & \text { to } 74 \cdot 80) \end{aligned}$ | $\begin{gathered} \hline 151 \cdot 28 \\ (140 \cdot 06 \text { to } \\ 163 \cdot 15) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 178.93 \\ (170 \cdot 62 \text { to } \\ 187.53) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 276 \cdot 43 \\ (268 \cdot 11 \text { to } \\ 284 \cdot 94) \\ \hline \end{gathered}$ | $\begin{gathered} 348 \cdot 90 \\ (338.31 \text { to } \\ 359 \cdot 74) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Māori | <1998 | $\begin{gathered} 21 \cdot 60(18 \cdot 10 \\ \text { to } 25 \cdot 58) \end{gathered}$ | $\begin{aligned} & 16 \cdot 32(13 \cdot 24 \\ & \text { to } 19 \cdot 91) \end{aligned}$ | $\begin{gathered} 17 \cdot 23(14 \cdot 26 \text { to } \\ 20 \cdot 63) \end{gathered}$ | $\begin{gathered} 16 \cdot 23(12 \cdot 56 \text { to } \\ 20 \cdot 66) \end{gathered}$ | $\begin{gathered} 15 \cdot 00(13 \cdot 10 \text { to } \\ 17 \cdot 08) \end{gathered}$ | $\begin{gathered} 14 \cdot 40(10 \cdot 24 \text { to } \\ 19 \cdot 69) \end{gathered}$ | $\begin{gathered} 15 \cdot 56(4 \cdot 24 \text { to } \\ 39 \cdot 84) \end{gathered}$ | $\begin{gathered} 9 \cdot 30(5 \cdot 20 \text { to } \\ 15 \cdot 33) \end{gathered}$ | $\begin{aligned} & 16 \cdot 94(13 \cdot 32 \\ & \text { to } 21 \cdot 23) \end{aligned}$ | $\begin{aligned} & 22.43(18.03 \\ & \text { to } 27.57) \end{aligned}$ | $\begin{gathered} 7 \cdot 06(3 \cdot 53 \text { to } \\ 12 \cdot 64) \end{gathered}$ | $\begin{gathered} \hline 175 \cdot 16 \\ (121 \cdot 30 \text { to } \\ 244 \cdot 77) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $\begin{aligned} & 54 \cdot 81(50 \cdot 92 \\ & \text { to } 58 \cdot 92) \end{aligned}$ | $\begin{aligned} & 25 \cdot 61(22 \cdot 98 \\ & \text { to } 28.46) \end{aligned}$ | $\begin{gathered} 35.59(32.67 \text { to } \\ 38.71) \end{gathered}$ | $\begin{gathered} 57 \cdot 75(44 \cdot 28 \text { to } \\ 74 \cdot 04) \end{gathered}$ | $\begin{gathered} 49 \cdot 16(43 \cdot 54 \text { to } \\ 55 \cdot 30) \end{gathered}$ | $\begin{gathered} 46 \cdot 87(40 \cdot 84 \text { to } \\ 53 \cdot 53) \end{gathered}$ | $\begin{gathered} 30 \cdot 78(21 \cdot 19 \text { to } \\ 43 \cdot 23) \end{gathered}$ | $\begin{aligned} & 11 \cdot 07(7.57 \\ & \text { to } 15 \cdot 62) \end{aligned}$ | $\begin{aligned} & 15 \cdot 94(13.33 \\ & \text { to } 18 \cdot 92) \end{aligned}$ | $\begin{aligned} & 50 \cdot 69(46 \cdot 45 \\ & \text { to } 55 \cdot 22) \end{aligned}$ | $\begin{gathered} 70 \cdot 90(62 \cdot 84 \\ \text { to } 79 \cdot 71) \end{gathered}$ | $\begin{gathered} \hline 143 \cdot 47 \\ (113 \cdot 23 \text { to } \\ 179 \cdot 31) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2004- \\ & 2008 \end{aligned}$ | $\begin{aligned} & 74 \cdot 71(70 \cdot 76 \\ & \text { to } 78 \cdot 83) \end{aligned}$ | $\begin{aligned} & 66 \cdot 70(63 \cdot 14 \\ & \text { to } 70 \cdot 40) \end{aligned}$ | $\begin{aligned} & 146 \cdot 15(125 \cdot 68 \\ & \text { to } 168 \cdot 99) \end{aligned}$ | $\begin{gathered} 136 \cdot 37(113 \cdot 56 \\ \text { to } 146 \cdot 20) \end{gathered}$ | $\begin{gathered} 106 \cdot 36(99 \cdot 67 \\ \text { to } 108 \cdot 16) \end{gathered}$ | $\begin{gathered} 74 \cdot 34(68 \cdot 24 \text { to } \\ 80 \cdot 83) \end{gathered}$ | $\begin{gathered} 71 \cdot 54(67 \cdot 96 \text { to } \\ 75 \cdot 26) \end{gathered}$ | $\begin{gathered} 31 \cdot 69(25 \cdot 81 \\ \text { to } 38 \cdot 51) \end{gathered}$ | $\begin{gathered} 36 \cdot 82(33.28 \\ \text { to } 40 \cdot 65) \end{gathered}$ | $\begin{aligned} & 67 \cdot 87(63 \cdot 56 \\ & \text { to } 72 \cdot 40) \end{aligned}$ | $\begin{gathered} \hline 125.34 \\ (117.54 \text { to } \\ 133.52) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 152.64 \\ (133 \cdot 86 \text { to } \\ 173.31) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \end{aligned}$ | $156 \cdot 03$ $(149 \cdot 26$ to $163 \cdot 02)$ | 120.03 $(113.81$ to $126.49)$ | $\begin{gathered} 136 \cdot 34(130 \cdot 58 \\ \text { to } 142 \cdot 29) \end{gathered}$ | $\begin{gathered} 201 \cdot 23(186 \cdot 34 \\ \text { to } 217 \cdot 00) \end{gathered}$ | $\begin{aligned} & 113 \cdot 73(100 \cdot 56 \\ & \text { to } 128 \cdot 13) \end{aligned}$ | $\begin{aligned} & 111 \cdot 56(99 \cdot 31 \\ & \text { to } 124 \cdot 91) \end{aligned}$ | $\begin{gathered} 83 \cdot 39(60 \cdot 10 \text { to } \\ 112 \cdot 72) \end{gathered}$ | $\begin{gathered} 79 \cdot 40(66 \cdot 88 \\ \text { to } 93 \cdot 59) \end{gathered}$ | $100 \cdot 19$ ( $91 \cdot 66$ to 109•29) | $\begin{gathered} \hline 114 \cdot 39 \\ (107 \cdot 75 \text { to } \\ 121.33) \\ \hline \end{gathered}$ | $213 \cdot 26$ $(201.96$ to $225 \cdot 03)$ | $216 \cdot 55$ $(190 \cdot 59$ to $245 \cdot 07)$ |
|  | $\begin{aligned} & 2014- \\ & 2018 \end{aligned}$ | $210 \cdot 15$ $(199 \cdot 66$ to $221.06)$ | $\begin{gathered} 208 \cdot 50 \\ (197.58 \text { to } \\ 219 \cdot 87) \\ \hline \end{gathered}$ | $\begin{gathered} 213 \cdot 02(203 \cdot 78 \\ \text { to } 222 \cdot 57) \end{gathered}$ | $\begin{gathered} 248 \cdot 53(221 \cdot 96 \\ \text { to } 277 \cdot 40) \end{gathered}$ | $\begin{gathered} 188 \cdot 45(162 \cdot 27 \\ \text { to } 217 \cdot 64) \end{gathered}$ | $\begin{gathered} 182 \cdot 83(162 \cdot 98 \\ \text { to } 204 \cdot 43) \end{gathered}$ | $\begin{gathered} 198 \cdot 66(150 \cdot 46 \\ \text { to } 257 \cdot 39) \end{gathered}$ | $\begin{aligned} & 86 \cdot 88(71 \cdot 06 \\ & \text { to } 105 \cdot 18) \end{aligned}$ | $\begin{gathered} 166 \cdot 23 \\ (152 \cdot 37 \text { to } \\ 181 \cdot 00) \\ \hline \end{gathered}$ | $187 \cdot 96$ $(174 \cdot 81$ to $201.83)$ | $\begin{gathered} 264 \cdot 99 \\ (249 \cdot 01 \text { to } \\ 281 \cdot 72) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 405 \cdot 14 \\ (367 \cdot 83 \text { to } \\ 445 \cdot 21) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pacific | <1998 | $\begin{gathered} 16 \cdot 29(13.33 \\ \text { to } 19.72) \\ \hline \end{gathered}$ | $\begin{gathered} 13.20(10.21 \\ \text { to } 16.79) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 14.09(0.463 \text { to } \\ 16.91) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 62(10 \cdot 29 \text { to } \\ 36 \cdot 90) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 16(12 \cdot 85 \text { to } \\ 20 \cdot 17) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 98(3 \cdot 24 \text { to } \\ 23 \cdot 30) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8.00(2.60 \text { to } \\ 18.68) \\ \hline \end{gathered}$ | $\begin{gathered} 3.79(1.52 \text { to } \\ 7.81) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7 \cdot 64(4.95 \text { to } \\ 11 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 92(7 \cdot 80 \\ \text { to } 14 \cdot 86) \\ \hline \end{gathered}$ | $\begin{gathered} 51 \cdot 56(41 \cdot 41 \\ \text { to } 63 \cdot 45) \\ \hline \end{gathered}$ | $\begin{gathered} 31 \cdot 31(14 \cdot 32 \\ \text { to } 59 \cdot 44) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $\begin{gathered} 33 \cdot 57(30 \cdot 42 \\ \text { to } 36 \cdot 96) \end{gathered}$ | $\begin{gathered} 32 \cdot 44(29 \cdot 87 \\ \text { to } 35 \cdot 18) \end{gathered}$ | $\begin{gathered} 32 \cdot 09(0.371 \text { to } \\ 34 \cdot 62) \end{gathered}$ | $\begin{gathered} 34 \cdot 67(30 \cdot 02 \text { to } \\ 39 \cdot 83) \end{gathered}$ | $\begin{gathered} 22 \cdot 16(20 \cdot 98 \text { to } \\ 23 \cdot 38) \end{gathered}$ | $\begin{gathered} 12 \cdot 56(9 \cdot 85 \text { to } \\ 15 \cdot 62) \end{gathered}$ | $\begin{gathered} 6 \cdot 95(0 \cdot 84 \text { to } \\ 25 \cdot 09) \end{gathered}$ | $\begin{gathered} 37 \cdot 51(31 \cdot 12 \\ \text { to } 44 \cdot 82) \end{gathered}$ | $\begin{aligned} & 17 \cdot 37(14 \cdot 76 \\ & \text { to } 20 \cdot 30) \end{aligned}$ | $\begin{aligned} & 28.47(25.34 \\ & \text { to } 31.88) \end{aligned}$ | $\begin{gathered} 48 \cdot 49(42 \cdot 92 \\ \text { to } 54 \cdot 58) \end{gathered}$ | $\begin{gathered} 114 \cdot 99 \\ (95 \cdot 93 \text { to } \\ 136 \cdot 72) \end{gathered}$ |
|  | $\begin{gathered} \hline 2004- \\ 2008 \\ \hline \end{gathered}$ | $\begin{gathered} 58.48(55.34 \\ \text { to } 61.74) \\ \hline \end{gathered}$ | $\begin{gathered} 54 \cdot 32(50 \cdot 69 \\ \text { to } 58 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} 59 \cdot 01(0 \cdot 902 \text { to } \\ 62 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 52 \cdot 22(47 \cdot 32 \text { to } \\ 57 \cdot 49) \\ \hline \end{gathered}$ | $\begin{gathered} 39 \cdot 85(31 \cdot 23 \text { to } \\ 50 \cdot 10) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 24.89(17.78 \text { to } \\ 33.89) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 72(0 \cdot 22 \text { to } \\ 28 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 27 \cdot 17(21 \cdot 96 \\ \text { to } 33 \cdot 25) \\ \hline \end{gathered}$ | $\begin{gathered} 41 \cdot 78(37.95 \\ \text { to } 45.89) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 63.07(58.77 \\ \text { to } 67.61) \\ \hline \end{gathered}$ | $\begin{gathered} 76 \cdot 86(70 \cdot 75 \\ \text { to } 83 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} 78.64(67 \cdot 99 \\ \text { to } 90.49) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | 124.59 $(117.43$ to $132 \cdot 08)$ | $\begin{gathered} 119.91 \\ (113.65 \text { to } \\ 126.41) \\ \hline \end{gathered}$ | $\begin{gathered} 118 \cdot 84(0 \cdot 1 \cdot 50 \\ \text { to } 124 \cdot 37) \end{gathered}$ | $\begin{gathered} 113 \cdot 26(109 \cdot 18 \\ \text { to } 117 \cdot 68) \end{gathered}$ | $\begin{gathered} 97 \cdot 31(93 \cdot 67 \text { to } \\ 103 \cdot 62) \end{gathered}$ | $\begin{gathered} 81 \cdot 09(62 \cdot 97 \text { to } \\ 102 \cdot 81) \end{gathered}$ | $\begin{gathered} 94 \cdot 78(0 \cdot 324 \text { to } \\ 133 \cdot 11) \end{gathered}$ | $\begin{aligned} & 41 \cdot 91(32 \cdot 96 \\ & \text { to } 52 \cdot 53) \end{aligned}$ | $\begin{aligned} & 57 \cdot 88(50 \cdot 83 \\ & \text { to } 65 \cdot 64) \end{aligned}$ | $126 \cdot 11$ $(118 \cdot 14$ to $134 \cdot 47)$ | $\begin{gathered} \hline 141.70 \\ (131.66 \text { to } \\ 152.31) \\ \hline \end{gathered}$ | $\begin{gathered} 309 \cdot 86 \\ (282 \cdot 53 \text { to } \\ 339 \cdot 11) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2014- \\ & 2018 \end{aligned}$ | $\begin{gathered} \hline 177 \cdot 47 \\ (169 \cdot 18 \text { to } \\ 186 \cdot 06) \\ \hline \end{gathered}$ | $\begin{gathered} 125.91 \\ (118.20 \text { to } \\ 133.99) \\ \hline \end{gathered}$ | $\begin{gathered} 162 \cdot 85(0 \cdot 4 \cdot 19 \\ \text { to } 169 \cdot 71) \end{gathered}$ | $\begin{aligned} & 168 \cdot 58(152 \cdot 92 \\ & \text { to } 185 \cdot 42) \end{aligned}$ | $\begin{gathered} 131 \cdot 57(115 \cdot 28 \\ \text { to } 149 \cdot 51) \end{gathered}$ | $\begin{gathered} 120 \cdot 26(101 \cdot 23 \\ \text { to } 141 \cdot 83) \end{gathered}$ | $\begin{gathered} 87 \cdot 20(0 \cdot 740 \text { to } \\ 125 \cdot 24) \end{gathered}$ | $\begin{aligned} & 57 \cdot 92(47 \cdot 65 \\ & \text { to } 69 \cdot 75) \end{aligned}$ | $107 \cdot 20$ ( 97.86 to $117.20)$ | $\begin{gathered} \hline 166 \cdot 37 \\ (155 \cdot 85 \text { to } \\ 177 \cdot 41) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 241 \cdot 23 \\ (225 \cdot 89 \text { to } \\ 257 \cdot 35) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 235 \cdot 08 \\ (206 \cdot 56 \text { to } \\ 266 \cdot 44) \\ \hline \end{gathered}$ |


| All | <1998 | $\begin{gathered} 1.15(0.72 \text { to } \\ 1.74) \\ \hline \end{gathered}$ | $\begin{gathered} 1.07(0.67 \text { to } \\ 1.63) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 25(0.80 \text { to } \\ 1 \cdot 88) \\ \hline \end{gathered}$ | $\begin{gathered} 1.64(0.85 \text { to } \\ 2 \cdot 86) \\ \hline \end{gathered}$ | $\begin{gathered} 0.89(0.24 \text { to } \\ 2 \cdot 27) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 86(0 \cdot 23 \text { to } \\ 2 \cdot 20) \\ \hline \end{gathered}$ | $\begin{gathered} 0.41(0.01 \text { to } \\ 2 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} 0.40(0.05 \text { to } \\ 1.44) \\ \hline \end{gathered}$ | $\begin{gathered} 1.31(0.70 \text { to } \\ 2 \cdot 23) \\ \hline \end{gathered}$ | $\begin{gathered} 0.85(0.41 \text { to } \\ 1.57) \\ \hline \end{gathered}$ | $\begin{gathered} 1.53(0.81 \text { to } \\ 2 \cdot 61) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 13(0.78 \text { to } \\ 4.63) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 17 \cdot 95(16 \cdot 75 \\ \text { to } 19 \cdot 21) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 72(16 \cdot 50 \\ \text { to } 19 \cdot 01) \end{gathered}$ | $\begin{gathered} 23 \cdot 86(22 \cdot 40 \text { to } \\ 25 \cdot 37) \end{gathered}$ | $\begin{gathered} \hline 13.87(12.20 \text { to } \\ 15 \cdot 71) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 12 \cdot 68(10 \cdot 64 \text { to } \\ 15 \cdot 01) \\ \hline \end{gathered}$ | $\begin{gathered} 12 \cdot 20(10 \cdot 25 \text { to } \\ 14 \cdot 42) \end{gathered}$ | $\begin{gathered} 11.79(9.32 \text { to } \\ 14.71) \end{gathered}$ | $\begin{gathered} 12 \cdot 25(10 \cdot 12 \\ \text { to } 14 \cdot 69) \\ \hline \end{gathered}$ | $\begin{gathered} 15 \cdot 88(14 \cdot 20 \\ \text { to } 17.69) \\ \hline \end{gathered}$ | $\begin{gathered} 18.33(16 \cdot 71 \\ \text { to } 20.06) \\ \hline \end{gathered}$ | $\begin{gathered} 17 \cdot 22(15 \cdot 53 \\ \text { to } 19 \cdot 05) \\ \hline \end{gathered}$ | $\begin{gathered} 30.98(27.38 \\ \text { to } 34.93) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $\begin{gathered} 27 \cdot 91(26 \cdot 62 \\ \text { to } 29 \cdot 25) \\ \hline \end{gathered}$ | $\begin{gathered} 26 \cdot 32(25 \cdot 03 \\ \text { to } 27 \cdot 67) \\ \hline \end{gathered}$ | $\begin{gathered} 30 \cdot 51(29 \cdot 04 \text { to } \\ 32 \cdot 03) \\ \hline \end{gathered}$ | $\begin{gathered} 28.52(25.94 \text { to } \\ 31 \cdot 28) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 25 \cdot 66(23 \cdot 72 \text { to } \\ 27 \cdot 73) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \cdot 19(19 \cdot 93 \text { to } \\ 24 \cdot 63) \\ \hline \end{gathered}$ | $\begin{gathered} 21 \cdot 50(18 \cdot 86 \text { to } \\ 24 \cdot 41) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 58(12 \cdot 37 \\ \text { to } 17 \cdot 07) \\ \hline \end{gathered}$ | $\begin{gathered} 25 \cdot 74(23 \cdot 73 \\ \text { to } 27.88) \\ \hline \end{gathered}$ | $\begin{gathered} 24 \cdot 02(22.40 \\ \text { to } 25.73) \\ \hline \end{gathered}$ | $\begin{gathered} 28.44(26 \cdot 60 \\ \text { to } 30 \cdot 37) \\ \hline \end{gathered}$ | $\begin{gathered} 43 \cdot 10(40 \cdot 17 \\ \text { to } 46 \cdot 19) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 45.79(43.87 \\ \text { to } 47.78) \\ \hline \end{gathered}$ | $\begin{gathered} 38.73(36.86 \\ \text { to } 40 \cdot 66) \\ \hline \end{gathered}$ | $\begin{gathered} 50.33(48.21 \text { to } \\ 52.51) \\ \hline \end{gathered}$ | $\begin{gathered} 41 \cdot 32(37.96 \text { to } \\ 44 \cdot 90) \\ \hline \end{gathered}$ | $\begin{gathered} 36 \cdot 83(33.05 \text { to } \\ 40 \cdot 92) \\ \hline \end{gathered}$ | $\begin{gathered} 32 \cdot 76(29 \cdot 65 \text { to } \\ 36 \cdot 11) \\ \hline \end{gathered}$ | $\begin{gathered} 29 \cdot 69(26 \cdot 48 \text { to } \\ 33 \cdot 19) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \cdot 84(19 \cdot 28 \\ \text { to } 26 \cdot 86) \\ \hline \end{gathered}$ | $\begin{gathered} 28.62(25.98 \\ \text { to } 31.45) \\ \hline \end{gathered}$ | $\begin{gathered} 35 \cdot 86(33 \cdot 51 \\ \text { to } 38 \cdot 32) \\ \hline \end{gathered}$ | $\begin{gathered} 46 \cdot 68(44 \cdot 03 \\ \text { to } 49 \cdot 45) \\ \hline \end{gathered}$ | $\begin{gathered} 68.29(64 \cdot 27 \\ \text { to } 72 \cdot 50) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $\begin{gathered} 83 \cdot 75(80 \cdot 80 \\ \text { to } 86 \cdot 77) \end{gathered}$ | $\begin{aligned} & 66 \cdot 80(64 \cdot 16 \\ & \text { to } 69 \cdot 51) \end{aligned}$ | $\begin{gathered} 92 \cdot 33(89 \cdot 18 \text { to } \\ 95 \cdot 56) \end{gathered}$ | $\begin{gathered} 66 \cdot 41(60 \cdot 89 \text { to } \\ 72 \cdot 30) \end{gathered}$ | $\begin{gathered} 66 \cdot 16(61 \cdot 18 \text { to } \\ 71 \cdot 44) \end{gathered}$ | $\begin{gathered} 62 \cdot 88(58 \cdot 28 \text { to } \\ 67 \cdot 75) \end{gathered}$ | $\begin{gathered} 44 \cdot 08(39 \cdot 68 \text { to } \\ 48 \cdot 84) \end{gathered}$ | $\begin{gathered} 30 \cdot 65(26 \cdot 38 \\ \text { to } 35 \cdot 42) \end{gathered}$ | $\begin{gathered} 34 \cdot 39(31 \cdot 34 \\ \text { to } 37 \cdot 66) \end{gathered}$ | $\begin{aligned} & 60 \cdot 99(57.57 \\ & \text { to } 64.57) \end{aligned}$ | $\begin{gathered} 93 \cdot 68(89 \cdot 45 \\ \text { to } 98 \cdot 05) \end{gathered}$ | $\begin{gathered} 141.87 \\ (135.23 \text { to } \\ 148.76) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| European | <1998 | $\begin{gathered} \hline 0.94(0.43 \text { to } \\ 1.79) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.79(0.29 \text { to } \\ 1.71) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.59(0.12 \text { to } \\ 1.74) \end{gathered}$ | $\begin{gathered} 2.07(0.89 \text { to } \\ 4.07) \end{gathered}$ | $\begin{gathered} \hline 0.71(0.09 \text { to } \\ 2.57) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.35(0.01 \text { to } \\ 1.97) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 58(0 \cdot 01 \text { to } \\ 3 \cdot 21) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 93(0.02 \text { to } \\ 5 \cdot 19) \end{gathered}$ | $\begin{gathered} \hline 0.34(0.01 \text { to } \\ 1.92) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 20(0.00 \text { to } \\ 1.09) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 27(0 \cdot 51 \text { to } \\ 2 \cdot 63) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 35(0.76 \text { to } \\ 5 \cdot 49) \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 13 \cdot 81(12 \cdot 25 \\ \text { to } 15 \cdot 52) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 23(8.75 \\ \text { to } 11.89) \\ \hline \end{gathered}$ | $\begin{gathered} 19.09(16.57 \text { to } \\ 21.89) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \cdot 60(8.22 \text { to } \\ 13 \cdot 46) \\ \hline \end{gathered}$ | $\begin{gathered} 9.54(7.57 \text { to } \\ 11.88) \\ \hline \end{gathered}$ | $\begin{gathered} 8.54(6.45 \text { to } \\ 11 \cdot 08) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 44(6 \cdot 86 \text { to } \\ 12 \cdot 67) \\ \hline \end{gathered}$ | $\begin{gathered} 19 \cdot 43(14 \cdot 17 \\ \text { to } 26 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5 \cdot 08(3 \cdot 32 \text { to } \\ 7 \cdot 44) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 94(8 \cdot 05 \text { to } \\ 12 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 9 \cdot 28(7 \cdot 66 \text { to } \\ 11 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} 25 \cdot 81(22.02 \\ \text { to } 30 \cdot 06) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $\begin{gathered} 22 \cdot 29(20 \cdot 64 \\ \text { to } 24 \cdot 05) \\ \hline \end{gathered}$ | $\begin{gathered} 21 \cdot 33(19 \cdot 53 \\ \text { to } 23 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 26 \cdot 84(24 \cdot 27 \text { to } \\ 29 \cdot 61) \\ \hline \end{gathered}$ | $\begin{gathered} 23.36(20.31 \text { to } \\ 26.74) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \cdot 41(17 \cdot 92 \text { to } \\ 23 \cdot 15) \\ \hline \end{gathered}$ | $\begin{gathered} 18.61(16.07 \text { to } \\ 21.44) \\ \hline \end{gathered}$ | $\begin{gathered} 18.05(15 \cdot 28 \text { to } \\ 21 \cdot 19) \\ \hline \end{gathered}$ | $\begin{gathered} 16 \cdot 54(12 \cdot 02 \\ \text { to } 22 \cdot 21) \\ \hline \end{gathered}$ | $\begin{gathered} 12.62(9.97 \\ \text { to } 15 \cdot 74) \\ \hline \end{gathered}$ | $\begin{gathered} 11 \cdot 53(9.77 \\ \text { to } 13.52) \\ \hline \end{gathered}$ | $\begin{gathered} 19.64(17.59 \\ \text { to } 21.85) \\ \hline \end{gathered}$ | $\begin{gathered} 40 \cdot 38(37 \cdot 15 \\ \text { to } 43 \cdot 83) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 39 \cdot 55(36 \cdot 99 \\ \text { to } 42 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 34.72(32.07 \\ \text { to } 37.54) \\ \hline \end{gathered}$ | $\begin{gathered} 47 \cdot 73(43.89 \text { to } \\ 51.80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 39 \cdot 73(35 \cdot 18 \text { to } \\ 44 \cdot 70) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 34.45(29.81 \text { to } \\ 39 \cdot 59) \\ \hline \end{gathered}$ | $\begin{gathered} 32.89(28.98 \text { to } \\ 37.17) \\ \hline \end{gathered}$ | $\begin{gathered} 27 \cdot 14(23 \cdot 64 \text { to } \\ 31 \cdot 01) \\ \hline \end{gathered}$ | $\begin{gathered} 12 \cdot 85(8 \cdot 05 \\ \text { to } 19 \cdot 46) \\ \hline \end{gathered}$ | $\begin{gathered} 21.36(17.38 \\ \text { to } 25.98) \\ \hline \end{gathered}$ | $\begin{gathered} 22 \cdot 78(19 \cdot 82 \\ \text { to } 26 \cdot 07) \\ \hline \end{gathered}$ | $\begin{gathered} 33 \cdot 54(30 \cdot 46 \\ \text { to } 36 \cdot 84) \\ \hline \end{gathered}$ | $\begin{gathered} 64 \cdot 93(60 \cdot 31 \\ \text { to } 69 \cdot 81) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $\begin{gathered} 82.04(77.76 \\ \text { to } 86 \cdot 50) \end{gathered}$ | $\begin{gathered} 59 \cdot 45(55 \cdot 63 \\ \text { to } 63 \cdot 46) \end{gathered}$ | $\begin{gathered} 97 \cdot 15(90 \cdot 90 \text { to } \\ 103 \cdot 73) \end{gathered}$ | $\begin{gathered} 68 \cdot 55(61 \cdot 16 \text { to } \\ 76 \cdot 60) \end{gathered}$ | $\begin{gathered} 66 \cdot 21(59 \cdot 26 \text { to } \\ 73 \cdot 76) \end{gathered}$ | $\begin{gathered} 64 \cdot 45(58 \cdot 60 \text { to } \\ 70 \cdot 74) \end{gathered}$ | $\begin{gathered} 48 \cdot 73(43 \cdot 32 \text { to } \\ 54 \cdot 63) \end{gathered}$ | $\begin{gathered} 23 \cdot 39(16 \cdot 20 \\ \text { to } 32 \cdot 69) \end{gathered}$ | $\begin{gathered} 22 \cdot 33(17 \cdot 81 \\ \text { to } 27 \cdot 65) \end{gathered}$ | $\begin{gathered} 43 \cdot 03(38 \cdot 48 \\ \text { to } 47 \cdot 99) \end{gathered}$ | $\begin{gathered} 71 \cdot 17(66 \cdot 19 \\ \text { to } 76 \cdot 43) \end{gathered}$ | $\begin{gathered} \hline 128.71 \\ (121.00 \text { to } \\ 136.77) \\ \hline \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Māori | <1998 | $\begin{gathered} 1 \cdot 70(0.68 \text { to } \\ 3.50) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.97(0.26 \text { to } \\ 2.49) \\ \hline \end{gathered}$ | $\begin{gathered} 1.23(1.41 \text { to } \\ 2.68) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 84(0 \cdot 34 \text { to } \\ 10 \cdot 26) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 1 \cdot 96(0 \cdot 24 \text { to } \\ 7 \cdot 09) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 22(0 \cdot 15 \text { to } \\ 4 \cdot 39) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 82(8.64 \text { to } \\ 4 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 24(5 \cdot 23 \text { to } \\ 5 \cdot 23) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.99(8.59 \text { to } \\ 5.50) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $\begin{gathered} 30 \cdot 92(27 \cdot 45 \\ \text { to } 34 \cdot 72) \\ \hline \end{gathered}$ | $\begin{gathered} 23 \cdot 71(20.76 \\ \text { to } 26.96) \\ \hline \end{gathered}$ | $\begin{gathered} 30 \cdot 18(4 \cdot 10 \text { to } \\ 33 \cdot 50) \\ \hline \end{gathered}$ | $\begin{gathered} 26 \cdot 89(19 \cdot 03 \text { to } \\ 36 \cdot 91) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 26.86(21.83 \text { to } \\ 32.70) \\ \hline \end{gathered}$ | $\begin{gathered} 18.65(14.45 \text { to } \\ 23.68) \\ \hline \end{gathered}$ | $\begin{gathered} 14 \cdot 30(6 \cdot 54 \text { to } \\ 27 \cdot 14) \\ \hline \end{gathered}$ | $\begin{gathered} 13 \cdot 55(9 \cdot 68 \\ \text { to } 18 \cdot 45) \\ \hline \end{gathered}$ | $\begin{aligned} & 19 \cdot 59(3 \cdot 61 \\ & \text { to } 23 \cdot 55) \\ & \hline \end{aligned}$ | $\begin{gathered} 31 \cdot 59(4.66 \\ \text { to } 36.57) \\ \hline \end{gathered}$ | $\begin{gathered} 40.81(5 \cdot 23 \\ \text { to } 48.90) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 74 \cdot 73(3 \cdot 26 \\ & \text { to } 106 \cdot 07) \\ & \hline \end{aligned}$ |
|  | $\begin{aligned} & 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $\begin{gathered} 43 \cdot 94(40 \cdot 32 \\ \text { to } 47 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} 35 \cdot 22(31.92 \\ \text { to } 38.78) \\ \hline \end{gathered}$ | $\begin{gathered} 59 \cdot 28(5 \cdot 09 \text { to } \\ 79 \cdot 58) \\ \hline \end{gathered}$ | $\begin{gathered} 47 \cdot 62(35 \cdot 34 \text { to } \\ 62 \cdot 78) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 46.75(36.71 \text { to } \\ 58.70) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 42 \cdot 84(37 \cdot 27 \text { to } \\ 49 \cdot 02) \\ \hline \end{gathered}$ | $\begin{gathered} 40 \cdot 69(1 \cdot 40 \text { to } \\ 44 \cdot 13) \\ \hline \end{gathered}$ | $\begin{gathered} 18 \cdot 87(9 \cdot 28 \\ \text { to } 24 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} 39 \cdot 22(4 \cdot 55 \\ \text { to } 44 \cdot 31) \\ \hline \end{gathered}$ | $\begin{gathered} 40 \cdot 84(5 \cdot 52 \\ \text { to } 45 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} 47 \cdot 45(9 \cdot 37 \\ \text { to } 54 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} 75 \cdot 87(3 \cdot 99 \\ \text { to } 93 \cdot 93) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $\begin{gathered} 66 \cdot 15(60 \cdot 82 \\ \text { to } 71 \cdot 84) \\ \hline \end{gathered}$ | $\begin{gathered} 49 \cdot 57(44 \cdot 94 \\ \text { to } 54 \cdot 56) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 109 \cdot 69(9 \cdot 89 \text { to } \\ 145 \cdot 44) \\ \hline \end{gathered}$ | $\begin{gathered} 90 \cdot 51(76 \cdot 14 \text { to } \\ 106 \cdot 80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 87 \cdot 13(75 \cdot 30 \text { to } \\ 100 \cdot 29) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 81 \cdot 85(65 \cdot 47 \text { to } \\ 101 \cdot 08) \\ \hline \end{gathered}$ | $\begin{gathered} 60 \cdot 18(8 \cdot 70 \text { to } \\ 64 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} 30.04(8.71 \\ \text { to } 38.83) \\ \hline \end{gathered}$ | $\begin{aligned} & 48 \cdot 48(1 \cdot 61 \\ & \text { to } 55 \cdot 88) \\ & \hline \end{aligned}$ | $\begin{gathered} 55 \cdot 50(3 \cdot 42 \\ \text { to } 62 \cdot 22) \\ \hline \end{gathered}$ | $\begin{gathered} 76 \cdot 38(8 \cdot 55 \\ \text { to } 85 \cdot 41) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 87.47(8 \cdot 31 \\ & \text { to } 105.79) \\ & \hline \end{aligned}$ |
|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $\begin{gathered} 113 \cdot 38 \\ (104 \cdot 83 \text { to } \\ 122 \cdot 45) \\ \hline \end{gathered}$ | $\begin{gathered} 91 \cdot 81(84 \cdot 45 \\ \text { to } 99 \cdot 64) \end{gathered}$ | $\begin{gathered} 109 \cdot 41(7 \cdot 39 \text { to } \\ 116 \cdot 84) \end{gathered}$ | $\begin{gathered} 102 \cdot 13(96 \cdot 49 \\ \text { to } 108 \cdot 02) \end{gathered}$ | $\begin{gathered} 92 \cdot 13(72 \cdot 82 \text { to } \\ 114 \cdot 98) \end{gathered}$ | $\begin{gathered} 88 \cdot 51(79 \cdot 28 \text { to } \\ 98 \cdot 54) \end{gathered}$ | $\begin{gathered} 91 \cdot 13(8 \cdot 41 \text { to } \\ 130 \cdot 09) \end{gathered}$ | $\begin{aligned} & 55 \cdot 68(2 \cdot 42 \\ & \text { to } 70 \cdot 12) \end{aligned}$ | $\begin{aligned} & 45 \cdot 30(7 \cdot 16 \\ & \text { to } 53 \cdot 73) \end{aligned}$ | $\begin{aligned} & 93 \cdot 71(8 \cdot 12 \\ & \text { to } 104 \cdot 50) \end{aligned}$ | $\begin{aligned} & 147 \cdot 50(2 \cdot 97 \\ & \text { to } 162 \cdot 27) \end{aligned}$ | $\begin{aligned} & 254 \cdot 09(5 \cdot 64 \\ & \text { to } 287 \cdot 20) \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pacific | <1998 | $\begin{gathered} 1 \cdot 39(0.56 \text { to } \\ 2 \cdot 86) \\ \hline \end{gathered}$ | $\begin{gathered} 1.33(0.49 \text { to } \\ 2 \cdot 89) \\ \hline \end{gathered}$ | $\begin{gathered} 1.49(0.52 \text { to } \\ 2.51) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 93(0.35 \text { to } \\ 10.59) \\ \hline \end{gathered}$ | $\begin{gathered} 1 \cdot 36(0.72 \text { to } \\ 2 \cdot 32) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.75(0.02 \text { to } \\ 4.17) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \cdot 00(0.00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 2 \cdot 27(0.92 \text { to } \\ 4 \cdot 68) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0.33(0.00 \text { to } \\ 1.81) \\ \hline \end{gathered}$ | $\begin{gathered} 4 \cdot 39(1 \cdot 44 \text { to } \\ 10 \cdot 24) \\ \hline \end{gathered}$ | $\begin{gathered} 0 \cdot 00(0 \cdot 00 \text { to } \\ 0 \cdot 00) \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $\begin{gathered} 22 \cdot 92(20 \cdot 07 \\ \text { to } 26 \cdot 06) \end{gathered}$ | $\begin{aligned} & 19 \cdot 91(17.57 \\ & \text { to } 22.48) \end{aligned}$ | $\begin{gathered} 24 \cdot 79(0 \cdot 440 \text { to } \\ 27 \cdot 424) \end{gathered}$ | $\begin{gathered} 21 \cdot 22(19 \cdot 39 \text { to } \\ 23 \cdot 18) \end{gathered}$ | $\begin{gathered} 17 \cdot 21(9 \cdot 41 \text { to } \\ 28 \cdot 88) \end{gathered}$ | $\begin{gathered} 13 \cdot 99(10 \cdot 57 \text { to } \\ 18 \cdot 16) \end{gathered}$ | $\begin{gathered} 6 \cdot 88(0.83 \text { to } \\ 24 \cdot 86) \end{gathered}$ | $\begin{gathered} 9.92(6 \cdot 59 \text { to } \\ 14.34) \end{gathered}$ | $\begin{gathered} 22 \cdot 89 \\ (19 \cdot 522 \text { to } \\ 26.66) \\ \hline \end{gathered}$ | $\begin{gathered} 19 \cdot 59 \\ (16 \cdot 519 \text { to } \\ 23.04) \\ \hline \end{gathered}$ | $\begin{gathered} 27.43 \\ (22.627 \text { to } \\ 32.95) \\ \hline \end{gathered}$ | $\begin{gathered} 46 \cdot 79 \\ (33 \cdot 246 \text { to } \\ 63.96) \\ \hline \end{gathered}$ |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $\begin{gathered} 29 \cdot 49(26 \cdot 89 \\ \text { to } 32 \cdot 28) \end{gathered}$ | $\begin{gathered} 29 \cdot 13(26 \cdot 21 \\ \text { to } 32 \cdot 29) \end{gathered}$ | $\begin{gathered} 28.65(0.731 \text { to } \\ 31 \cdot 73) \end{gathered}$ | $\begin{gathered} 31 \cdot 09(26 \cdot 59 \text { to } \\ 36 \cdot 13) \end{gathered}$ | $\begin{gathered} 29 \cdot 61(27 \cdot 64 \text { to } \\ 31 \cdot 67) \end{gathered}$ | $\begin{gathered} 15 \cdot 34(10 \cdot 19 \text { to } \\ 22 \cdot 17) \end{gathered}$ | $\begin{gathered} 14 \cdot 72(0 \cdot 30 \text { to } \\ 32 \cdot 314) \end{gathered}$ | $\begin{gathered} 9 \cdot 27(6 \cdot 29 \text { to } \\ 13 \cdot 23) \end{gathered}$ | $\begin{gathered} 29.53 \\ (25.729 \text { to } \\ 33.73) \\ \hline \end{gathered}$ | $\begin{gathered} 32.02 \\ (28.432 \text { to } \\ 35.91) \\ \hline \end{gathered}$ | $\begin{gathered} 36 \cdot 39 \\ (31 \cdot 636 \text { to } \\ 41.63) \\ \hline \end{gathered}$ | $\begin{gathered} 49 \cdot 86(40 \cdot 05 \\ \text { to } 61 \cdot 28) \end{gathered}$ |


| $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | $\begin{aligned} & 57.65(52 \cdot 72 \\ & \text { to } 62 \cdot 92) \end{aligned}$ | $\begin{aligned} & 46 \cdot 12(41 \cdot 91 \\ & \text { to } 50 \cdot 64) \end{aligned}$ | $\begin{gathered} 52 \cdot 26(0 \cdot 387 \text { to } \\ 84 \cdot 35) \end{gathered}$ | $\begin{gathered} 63 \cdot 89(46 \cdot 42 \text { to } \\ 85 \cdot 77) \end{gathered}$ | $\begin{gathered} 51 \cdot 58(48 \cdot 34 \text { to } \\ 54 \cdot 98) \end{gathered}$ | $\begin{gathered} 51 \cdot 53(41 \cdot 84 \text { to } \\ 62 \cdot 80) \end{gathered}$ | $\begin{gathered} 52 \cdot 24(0 \cdot 957 \text { to } \\ 56 \cdot 952) \end{gathered}$ | $\begin{gathered} 28 \cdot 71 \\ (21 \cdot 428 \text { to } \\ 37 \cdot 64) \end{gathered}$ | $\begin{aligned} & 32 \cdot 58(27 \cdot 13 \\ & \text { to } 38 \cdot 79) \end{aligned}$ | $\begin{aligned} & 49 \cdot 03(43.55 \\ & \text { to } 55 \cdot 03) \end{aligned}$ | $\begin{gathered} 67.72 \\ (60.267 \text { to } \\ 75.89) \end{gathered}$ | $\begin{aligned} & 93 \cdot 77(79 \cdot 59 \\ & \text { to } 109 \cdot 80) \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $\begin{aligned} & 85 \cdot 65(79 \cdot 54 \\ & \text { to } 92 \cdot 10) \end{aligned}$ | $\begin{gathered} 80 \cdot 21(74 \cdot 55 \\ \text { to } 86 \cdot 18) \end{gathered}$ | $\begin{gathered} 87 \cdot 49(0.363 \text { to } \\ 92 \cdot 39) \end{gathered}$ | $\begin{gathered} 82 \cdot 90(78 \cdot 72 \text { to } \\ 87 \cdot 24) \end{gathered}$ | $\begin{aligned} & 74.84(63.04 \text { to } \\ & 88 \cdot 22) \end{aligned}$ | $\begin{gathered} 59 \cdot 85(44 \cdot 42 \text { to } \\ 78 \cdot 90) \end{gathered}$ | $\begin{gathered} 30 \cdot 37(0 \cdot 469 \text { to } \\ 53 \cdot 430) \end{gathered}$ | $\begin{gathered} \hline 33 \cdot 81 \\ (26 \cdot 533 \text { to } \\ 42 \cdot 44) \\ \hline \end{gathered}$ | $\begin{gathered} 49 \cdot 10 \\ (42 \cdot 849 \text { to } \\ 56 \cdot 00) \\ \hline \end{gathered}$ | $\begin{gathered} 80.32 \\ (72.780 \text { to } \\ 88.53) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 131.33 \\ (119.81 \text { to } \\ 143.60) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 162 \cdot 43 \\ (143 \cdot 22 \text { to } \\ 183 \cdot 51) \\ \hline \end{gathered}$ |

Table-S4 Incidence rates per 1000 person-years ( $\mathbf{9 5 \%}$ confidence interval) of clinical outcomes by smoking and obesity status in three ethnicity groups and five time periods

|  |  | Not current smoker | Current smoker | Non-obesity | Obesity |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | All-cause mortality |  |  |  |
| European | $<1998$ | 12.76 (10.33 to 15.58) | $10 \cdot 24$ (5.85 to 16.62) | $6 \cdot 71$ ( $4 \cdot 15$ to $10 \cdot 26$ ) | $6 \cdot 80$ (4.55 to 9.77) |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $19 \cdot 50$ (17.32 to $21 \cdot 87$ ) | $26 \cdot 50$ (21.39 to 32.47 ) | 11.05 (8.83 to 13.67 ) | 15.50 ( 13.04 to 18.29) |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $17 \cdot 35$ (15.71 to 19.12) | $25 \cdot 86$ (22.28 to 29.84) | $13 \cdot 11$ (11-30 to $15 \cdot 13)$ | 19.25 (17.05 to 21.65) |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $17 \cdot 01$ (15.21 to 18.97) | $21 \cdot 13$ (18.14 to $24 \cdot 47$ ) | 14.82 (12.86 to $17 \cdot 00$ ) | 18.73 (16.39 to 21.31) |
|  | $\begin{aligned} & 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $9 \cdot 67$ (8.25 to $11 \cdot 27$ ) | 13.78 (11.67 to 16.15 ) | $11 \cdot 03$ (9.23 to 13.09) | $11 \cdot 28$ (9.57 to $13 \cdot 20)$ |
|  |  |  |  |  |  |
| Māori | $<1998$ | $14 \cdot 90$ (10.12 to $21 \cdot 14$ ) | $15 \cdot 86$ (8.45 to $27 \cdot 13$ ) | $6 \cdot 88$ (3.56 to $12 \cdot 02$ ) | $17 \cdot 31$ (8.95 to $30 \cdot 24$ ) |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $23 \cdot 55$ (19.12 to 28.70) | 28.06 (21.41 to 36.11) | $15 \cdot 85$ ( $12 \cdot 33$ to 20.05) | $26 \cdot 13$ (18.49 to $35 \cdot 86$ ) |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $20 \cdot 47$ (17.03 to 24.41) | $25 \cdot 38$ (20.80 to $30 \cdot 66$ ) | $19 \cdot 92$ (16.87 to 23.37) | $25 \cdot 38$ (19.17 to 32.96) |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | 22.73 (18.51 to 27.62) | $27 \cdot 38$ (22.97 to 32.39) | 21.30 (18.04 to 24.96) | $35 \cdot 86$ (28.06 to 45•16) |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $10 \cdot 42(8 \cdot 11$ to $13 \cdot 18)$ | $18 \cdot 52$ (14.13 to $23 \cdot 84$ ) | $11 \cdot 30$ (8.98 to $14 \cdot 02$ ) | 18.92 (13.45 to $25 \cdot 86$ ) |
|  |  |  |  |  |  |
| Pacific | <1998 | $10 \cdot 30$ (7.04 to $14 \cdot 54$ ) | $16 \cdot 65(7 \cdot 19$ to $32 \cdot 80)$ | $5 \cdot 64(2.82$ to $10 \cdot 09)$ | $9 \cdot 21$ (3.97 to 18.14) |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | 14.34 (11.78 to 17.30) | $15 \cdot 88$ (9.95 to $24 \cdot 04$ ) | $7 \cdot 43$ (5.38 to $10 \cdot 01$ ) | $15 \cdot 91$ (11.08 to 22.13) |
|  | $\begin{aligned} & 2004- \\ & 2008 \end{aligned}$ | $11 \cdot 11$ (9•19 to $13 \cdot 32)$ | $17 \cdot 20$ (12.59 to $22 \cdot 95$ ) | $10 \cdot 09(8 \cdot 16$ to $12 \cdot 33)$ | $15 \cdot 31$ (11.33 to 20.24) |
|  | $\begin{aligned} & \hline 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $13 \cdot 82$ (11.35 to $16 \cdot 68$ ) | $16 \cdot 12$ (12.04 to 21-14) | 12.79 (10.45 to 15.49$)$ | $18 \cdot 16$ (13.44 to 24.01) |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $7 \cdot 64$ (5.98 to $9 \cdot 62$ ) | $9 \cdot 08(6 \cdot 80$ to $11 \cdot 87)$ | $7 \cdot 46$ (5.95 to 9•24) | $11 \cdot 26$ (7•93 to $15 \cdot 52$ ) |
|  |  | Cardiovascular mortality |  |  |  |
| European | <1998 | $4 \cdot 10$ (2.78 to $5 \cdot 82)$ | $2 \cdot 54$ (0.69 to 6.51) | 1.91 (0.70 to 4.16) | $4 \cdot 83$ (3.24 to 6.94) |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $6 \cdot 52$ (5.29 to 7.94) | $9 \cdot 05$ (6.19 to $12 \cdot 78$ ) | $3 \cdot 24$ (2.10 to 4.79) | $9 \cdot 67$ (7.91 to $11 \cdot 70)$ |
|  | $\begin{aligned} & \hline 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $4 \cdot 71$ (3.88 to $5 \cdot 66)$ | $5 \cdot 85$ (4•23 to 7•88) | $3 \cdot 40$ (2.52 to $4 \cdot 50)$ | $6 \cdot 33$ (5•18 to 7•65) |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | $4 \cdot 37$ (3.49 to $5 \cdot 41)$ | $5 \cdot 22$ (3•81 to 6.99) | $3 \cdot 80$ (2.84 to 4.96) | $5 \cdot 46$ (4•31 to 6.83) |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | 1.91 (1.32 to 2.68$)$ | $2 \cdot 39$ (1.57 to 3.47) | 1.64 (1.05 to 2.45$)$ | $2 \cdot 57$ (1.80 to $3 \cdot 56)$ |
|  |  |  |  |  |  |
| Māori | <1998 | $2 \cdot 86$ (1.05 to $6 \cdot 22)$ | $2 \cdot 43$ (0.29 to 8.76) | $1 \cdot 15(0 \cdot 14$ to $4 \cdot 14)$ | $5 \cdot 10(1 \cdot 87$ to $11 \cdot 09)$ |


|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $6 \cdot 17$ (4.03 to 9.04) | $8 \cdot 34$ (4.94 to 13•17) | $4 \cdot 33$ (2.61 to $6 \cdot 77$ ) | $12 \cdot 58$ (8.14 to $18 \cdot 57$ ) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & 2004- \\ & 2008 \end{aligned}$ | $4 \cdot 88$ (3.29 to $6 \cdot 96)$ | $6 \cdot 27$ (4•13 to 9•12) | $4 \cdot 67$ (3.27 to $6 \cdot 47)$ | $7 \cdot 63$ (4.72 to $11 \cdot 66$ ) |
|  | $\begin{aligned} & 2009- \\ & 2013 \end{aligned}$ | $4 \cdot 40$ (2.69 to $6 \cdot 79)$ | $7 \cdot 28$ (5•12 to $10 \cdot 03$ ) | $5 \cdot 08$ (3.58 to 7.01) | $8 \cdot 50$ ( $5 \cdot 19$ to $13 \cdot 13$ ) |
|  | $\begin{array}{r} 2014- \\ 2018 \\ \hline \end{array}$ | $4 \cdot 82$ (2.75 to 7•82) | $2 \cdot 22$ (1.24 to $3 \cdot 66)$ | $2 \cdot 70$ (1.65 to $4 \cdot 18)$ | $4 \cdot 10$ (2.04 to 7•33) |
| Pacific | $<1998$ | 1.92 (0.70 to 4.18) | $2 \cdot 06$ (0.05 to 11.46$)$ | 1.54 (0.32 to 4.49) | $2 \cdot 41(0.66$ to $6 \cdot 17)$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | 4.04 (2.75 to 5.74) | $3 \cdot 56$ (1.15 to 8.30) | 2.41 (1.32 to 4.05) | $6 \cdot 72$ (4.21 to $10 \cdot 18)$ |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | 1.79 (1.08 to 2.79) | 1.47 (0.40 to 3.77) | $1 \cdot 26$ (0.65 to $2 \cdot 20$ ) | $2 \cdot 86$ (1-43 to $5 \cdot 11)$ |
|  | $\begin{gathered} \hline 2009- \\ 2013 \\ \hline \end{gathered}$ | 2.75 (1.72 to 4.16) | $3 \cdot 67$ (1.89 to $6 \cdot 40)$ | $2 \cdot 31$ (1.39 to $3 \cdot 60$ ) | $4 \cdot 92$ (2.76 to $8 \cdot 12)$ |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | 1.67 (0.96 to 2.71) | $1 \cdot 86$ (0.93 to 3.32) | $1 \cdot 14$ (0.61 to 1.94$)$ | 3.44 (1.88 to $5 \cdot 78)$ |
|  |  | Cancer mortality |  |  |  |
| European | $<1998$ | $1 \cdot 99$ (1.11 to 3.27) | $1 \cdot 27$ (0.15 to 4.59) | $0 \cdot 64$ (0.08 to $2 \cdot 30)$ | $2 \cdot 50$ (1.40 to 4.13) |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $5 \cdot 05$ (3.98 to 6.32) | $10 \cdot 20(7 \cdot 14$ to $14 \cdot 11)$ | $3 \cdot 50$ (2.31 to 5.09) | $7 \cdot 82$ (6.25 to 9.67) |
|  | $\begin{gathered} \hline 2004- \\ 2008 \\ \hline \end{gathered}$ | $5 \cdot 68(4.76$ to $6 \cdot 72)$ | $8 \cdot 85$ (6.83 to $11 \cdot 28)$ | $4 \cdot 24$ (3.25 to $5 \cdot 45$ ) | $8 \cdot 30$ (6.98 to $9 \cdot 80$ ) |
|  | $\begin{gathered} \hline 2009- \\ 2013 \end{gathered}$ | $5 \cdot 26$ (4•29 to 6•39) | $7 \cdot 47$ (5•75 to $9 \cdot 53$ ) | $4 \cdot 38$ (3.35 to 5•63) | $7 \cdot 48$ (6•12 to $9 \cdot 06)$ |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $4 \cdot 19$ (3•28 to $5 \cdot 28)$ | $6 \cdot 05$ (4.70 to 7.67) | $4 \cdot 59$ (3•54 to 5•86) | $5 \cdot 25$ (4•14 to $6 \cdot 57)$ |
|  |  |  |  |  |  |
| Māori | <1998 | 2.37 (0.77 to 5.54) | $7 \cdot 30$ (2.68 to $15 \cdot 88)$ | $2 \cdot 86$ (0.93 to 6.67) | $5 \cdot 09$ (1.87 to 11.07$)$ |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $4 \cdot 98$ (3.08 to 7.62) | $7 \cdot 40$ (4.23 to $12 \cdot 01$ ) | $4 \cdot 34$ (2.61 to $6 \cdot 78$ ) | $9 \cdot 00$ ( $5 \cdot 33$ to $14 \cdot 23$ ) |
|  | $\begin{aligned} & \hline 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $5 \cdot 37$ (3.69 to 7.54) | $6 \cdot 74$ (4.51 to 9.68) | $4 \cdot 81$ (3.39 to $6 \cdot 63$ ) | $9 \cdot 06$ ( $5 \cdot 87$ to $13 \cdot 38$ ) |
|  | $\begin{aligned} & 2009- \\ & 2013 \\ & \hline \end{aligned}$ | $7 \cdot 04$ (4•82 to 9.94) | $8 \cdot 09$ (5.80 to 10.97) | $6 \cdot 05$ (4•40 to 8•12) | $12 \cdot 40$ (8.30 to $17 \cdot 80$ ) |
|  | $\begin{aligned} & \hline 2014- \\ & 2018 \\ & \hline \end{aligned}$ | $3 \cdot 90$ (2.08 to $6 \cdot 67)$ | $3 \cdot 86$ (2.52 to $5 \cdot 66)$ | $3 \cdot 66$ (2.41 to 5.32) | $4 \cdot 48$ (2.32 to $7 \cdot 83$ ) |
|  |  |  |  |  |  |
| Pacific | <1998 | 1.92 (0.70 to 4.17) | $4 \cdot 14(0 \cdot 50$ to $14 \cdot 95)$ | $1 \cdot 02(0 \cdot 12$ to $3 \cdot 69)$ | $3 \cdot 62$ (1.33 to 7.89) |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $3 \cdot 52$ (2.32 to 5.12) | $4 \cdot 28$ (1.57 to 9.33) | 1.89 (0.95 to 3.39) | $6 \cdot 73$ (4.22 to 10.19) |
|  | $\begin{gathered} \hline 2004- \\ 2008 \\ \hline \end{gathered}$ | $3 \cdot 39$ (2.37 to 4.69) | $2 \cdot 94$ (1.27 to $5 \cdot 80$ ) | $3 \cdot 05$ (2.05 to 4.39) | $3 \cdot 90$ (2.18 to $6 \cdot 43)$ |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | $3 \cdot 63$ (2.43 to $5 \cdot 21)$ | $3 \cdot 05$ (1.46 to $5 \cdot 61)$ | 3.04 (1.97 to 4.48) | $4 \cdot 60$ (2.52 to $7 \cdot 72$ ) |


|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | 1.57 (0.88 to 2.59$)$ | 1.52 (0.69 to 2.88$)$ | 1.75 (1.07 to 2.71) | $0 \cdot 98$ (0.27 to 2.51) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Cancer hospitalisation |  |  |  |
| European | $<1998$ | $12 \cdot 60$ (11.43 to $13 \cdot 86)$ | 9.42 (7.45 to 11.76$)$ | $8 \cdot 42$ (7.12 to 9.89) | $14 \cdot 56$ (13.08 to $16 \cdot 16$ ) |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $35 \cdot 70$ ( $34 \cdot 35$ to $37 \cdot 09$ ) | 41.00 ( $38 \cdot 17$ to $43 \cdot 99$ ) | $32 \cdot 86$ ( $31 \cdot 16$ to $34 \cdot 63$ ) | $40 \cdot 11$ (38.37 to 41.90) |
|  | $\begin{gathered} \hline 2004- \\ 2008 \end{gathered}$ | $66 \cdot 96$ (65.38 to 68.58) | $69 \cdot 33$ (66.57 to $72 \cdot 19$ ) | $55 \cdot 89$ (54.07 to 57.75) | $78 \cdot 20$ (76.15 to 80.29) |
|  | $\begin{gathered} 2009- \\ 2013 \end{gathered}$ | $116 \cdot 14$ (113.34 to 118.99) | $121 \cdot 64$ (117.48 to $125 \cdot 92$ ) | 117.04 (113.75 to 120.41) | 118.74 (115.46 to 122.09 ) |
|  | $\begin{gathered} 2014- \\ 2018 \end{gathered}$ | $235 \cdot 96$ (230.09 to 241.94) | 280.59 (272.59 to 288.76) | $249 \cdot 38$ (242.56 to 256.35) | $257 \cdot 00$ (250.39 to 263.74) |
|  |  |  |  |  |  |
| Māori | $<1998$ | 14.59 (12.05 to 17.50) | 27.41 (22.63 to 32.91) | $11 \cdot 47$ (9.21 to 14.11) | $32 \cdot 37$ (27.26 to 38.15) |
|  | $\begin{aligned} & 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $35 \cdot 79$ (32.98 to $38 \cdot 78$ ) | $47 \cdot 36$ (43.23 to $51 \cdot 78$ ) | $35 \cdot 57$ ( $32 \cdot 87$ to 38.43 ) | $49 \cdot 57$ ( $45 \cdot 04$ to $54 \cdot 43$ ) |
|  | $\begin{aligned} & 2004- \\ & 2008 \\ & \hline \end{aligned}$ | $69 \cdot 75$ (66.14 to $73 \cdot 52$ ) | $71 \cdot 35$ (67.46 to $75 \cdot 41$ ) | $64 \cdot 71$ (61.69 to $67 \cdot 84)$ | $84 \cdot 61$ (79.24 to 90.24) |
|  | $\begin{gathered} \hline 2009- \\ 2013 \\ \hline \end{gathered}$ | $137 \cdot 20$ (131.04 to 143.58) | 141.00 (134.03 to $148 \cdot 24)$ | $125 \cdot 41$ (120.31 to $130 \cdot 68$ ) | $177 \cdot 54$ (167.30 to 188.24) |
|  | $\begin{gathered} \hline 2014- \\ 2018 \\ \hline \end{gathered}$ | $189 \cdot 03$ (175.65 to 203.17) | $217 \cdot 49$ (208.35 to 226.94) | $201 \cdot 69$ (192.83 to $210 \cdot 84$ ) | $227 \cdot 86$ (213.34 to $243 \cdot 12$ ) |
|  |  |  |  |  |  |
| Pacific | $<1998$ | $8 \cdot 52$ (4.66 to $14 \cdot 29)$ | $16 \cdot 02$ (13.61 to 18.73 ) | $8 \cdot 10$ (6.13 to $10 \cdot 49)$ | $25 \cdot 88(21 \cdot 35$ to $31 \cdot 10)$ |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $23 \cdot 28$ (19.10 to 28.10) | 34.63 (32.40 to 36.98) | $26 \cdot 02(23 \cdot 89$ to 28.29) | $48 \cdot 48$ (44.12 to $53 \cdot 16)$ |
|  | $\begin{gathered} \hline 2004- \\ 2008 \\ \hline \end{gathered}$ | $49 \cdot 31$ (44-43 to 54-57) | $58 \cdot 68$ (55.97 to 61-48) | $55 \cdot 65$ (52.91 to $58 \cdot 49)$ | $60 \cdot 05$ (55.29 to $65 \cdot 11)$ |
|  | $\begin{gathered} 2009- \\ 2013 \\ \hline \end{gathered}$ | $116 \cdot 89$ (108.65 to $125 \cdot 60$ ) | $124 \cdot 22(118 \cdot 49$ to $130 \cdot 16)$ | 118.37 (112.92 to 124.02) | $131 \cdot 46$ (122.15 to $141 \cdot 30$ ) |
|  | $\begin{gathered} 2014- \\ 2018 \\ \hline \end{gathered}$ | $142 \cdot 98$ (133.88 to $152 \cdot 54$ ) | $160 \cdot 85$ (153.49 to 168.47$)$ | $141 \cdot 06$ (130.16 to $152 \cdot 64$ ) | 158.73 (152.01 to $165 \cdot 68$ ) |
|  |  | Cardiovascular hospitalisation |  |  |  |
| European | $<1998$ | $25 \cdot 48$ (24.60 to 26-38) | 32.91 (30.84 to $35 \cdot 08$ ) | $19 \cdot 40$ (18.37 to 20.47) | $32 \cdot 85$ (31.65 to $34 \cdot 09$ ) |
|  | $\begin{aligned} & 1999- \\ & 2003 \end{aligned}$ | $54 \cdot 22$ (53.28 to 55.18) | $59 \cdot 31$ (57.39 to $61 \cdot 27$ ) | $48 \cdot 00$ (46.88 to 49.14) | $62 \cdot 37$ (61.11 to $63 \cdot 66)$ |
|  | $\begin{gathered} 2004- \\ 2008 \end{gathered}$ | $82 \cdot 20$ (81.05 to $83 \cdot 36)$ | $87 \cdot 34$ (85•30 to $89 \cdot 41$ ) | 78.98 (77.62 to 80.35) | 88.22 (86.75 to 89.71) |
|  | $\begin{aligned} & 2009- \\ & 2013 \end{aligned}$ | 126.09 (123.91 to 128.31) | $135 \cdot 32$ (131.98 to 138.72) | $125 \cdot 67$ (123.00 to 128.38) | 131.79 (129.28 to 134.33) |
|  | $\begin{gathered} 2014- \\ 2018 \\ \hline \end{gathered}$ | $247 \cdot 47$ (242.02 to $253 \cdot 01$ ) | $295 \cdot 51$ (288.28 to 302.87) | $248 \cdot 26$ (242.17 to 254.47) | 283.86 (277.63 to 290.19) |
|  |  |  |  |  |  |
| Māori | $<1998$ | $25 \cdot 28$ (23.75 to 26.87) | $26 \cdot 18$ (23.97 to 28.54) | 17.69 (16.41 to 19.05) | $40 \cdot 87$ (38.14 to 43.73) |
|  | $\begin{aligned} & \hline 1999- \\ & 2003 \\ & \hline \end{aligned}$ | $49 \cdot 27$ (47.78 to $50 \cdot 79$ ) | $51 \cdot 56$ (49.50 to $53 \cdot 70$ ) | $42 \cdot 29$ (40.98 to 43.64) | $69 \cdot 59$ (66.92 to 72.33) |



Table S5• Stratified adjusted incidence rates ratio for clinical events in Māori and Pacific New Zealand population with type 2 diabetes compared to European New Zealand population with type 2 diabetes
§ Age-stratification, SES, smoking status, obesity status and period were adjusted

- Gender, SES, smoking status, obesity status and period were adjusted.
\$ Gender, age-stratification, smoking status, obesity status and period were adjusted
$\ddagger$ Gender, age-stratification, SES, smoking status, and obesity status were adjusted.
\# Gender, age-stratification, SES, obesity status and period were adjusted.
$£$ Gender, age-stratification, SES, smoking status and period were adjusted.
SES indicates socioeconomic status• SES was defined by NZDep2013• IMD indicates index of multiple deprivation.
European ethnicity was used as reference group.
Estimation was presented as adjusted incidence rates ratio ( $95 \%$ confidence interval).

|  | All-cause mortality |  | CVD mortality |  | Cancer mortality |  | ESRD hospitalisation |  | Cancer hospitalisation |  | CVD hospitalisation |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Māori | Pacific | Māori | Pacific | Māori | Pacific | Māori | Pacific | Māori | Pacific | Māori | Pacific |
| Gender ${ }^{\text {§ }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Male | 2.00 (1.77 to 2.24) | 1.13 (0.99 to 1.29) | $2 \cdot 14$ (1.72 to 2.67) | 0.98 (0.75 to 1.26$)$ | $\begin{aligned} & 1 \cdot 38(1.10 \text { to } \\ & 1.75) \end{aligned}$ | $\begin{aligned} & 0.74(0.57 \text { to } \\ & 0.97) \end{aligned}$ | $2 \cdot 01$ (1.90 to 2.14) | 1.52 (1.42 to 1.61) | 1.33 (1.28 to 1.38) | 1.05 (1.01 to 1.10) | $1 \cdot 31$ (1.28 to 1.33) | 1.12 (1.09 to 1.14) |
| Female | $1 \cdot 91$ (1-68 to 2.17) | 0.95 (0.83 to 1.10$)$ | $1 \cdot 70$ (1.30 to 2.22) | 0.71 (0.53 to 0.96) | $\begin{aligned} & 1.92(1.53 \text { to } \\ & 2 \cdot 42) \end{aligned}$ | $\begin{aligned} & 0.77(0.59 \text { to } \\ & 1.01) \end{aligned}$ | $2 \cdot 09$ (1.96 to 2.24) | 1.66 (1.55 to 1.77) | 1.28 (1.24 to 1.33) | 0.99 (0.96 to 1.03) | 1.22 (1.20 to 1-24) | 1.06 (1.04 to 1.08$)$ |
| Age stratification ${ }^{\text {¢ }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| 35-44 | 1.81 (0.97 to 3.37) | 0.85 (0.42 to 1.72$)$ | $0 \cdot 90$ (0.27 to 2.97) | $0 \cdot 48$ (0.13 to 1.84$)$ | $\begin{aligned} & 1 \cdot 25(0 \cdot 16 \text { to } \\ & 9 \cdot 84) \end{aligned}$ | $\begin{aligned} & 2 \cdot 20(0.35 \text { to } \\ & 13 \cdot 79) \end{aligned}$ | $1 \cdot 27$ (1.01 to 1.59) | 0.88 (0.69 to 1.12) | 1.14 (0.97 to 1.33) | 0.94 (0.81 to 1.10$)$ | 0.79 (0.74 to 0.85) | 0.59 (0.54 to 0.63) |
| 45-54 | $2 \cdot 23$ (1.63 to 3.03) | $0 \cdot 88$ (0.61 to 1.26) | $2 \cdot 17$ (1.46 to 5.03) | 0.58 (0.25 to 1.34) | $\begin{aligned} & 1 \cdot 32(0.73 \text { to } \\ & 2 \cdot 39) \end{aligned}$ | $\begin{aligned} & 0 \cdot 52(0 \cdot 26 \text { to } \\ & 1 \cdot 06) \end{aligned}$ | $2 \cdot 31$ (2.00 to 2.67) | 2.00 (1.73 to 2.32) | 0.99 (0.92 to 1.06$)$ | 0.74 (0.69 to 0.79) | $1 \cdot 21$ (1.17 to 1.26$)$ | 0.93 (0.89 to 0.97) |
| 55-64 | 1.95 (1.62 to 2.35) | 0.93 (0.75 to 1.15) | 2.58 (1.71 to 3.88) | 1.27 (0.80 to 2.00) | $\begin{aligned} & 1.37(1.00 \text { to } \\ & 1.87) \end{aligned}$ | $\begin{aligned} & 0.46(0.31 \text { to } \\ & 0.70) \end{aligned}$ | 2.25 (2.04 to 2.47) | 1.73 (1.57 to 1.91) | 1.29 (1.23 to 1.35) | 1.10 (1.05 to 1.15) | $1 \cdot 35$ (1.32 to 1.39) | 1.10 (1.07 to 1.13$)$ |
| 65-74 | 2.08 (1.78 to 2.42) | 1.16 (0.98 to 1.37) | 1.83 (1.33 to 2.52) | 0.89 (0.62 to 1.28) | $\left\lvert\, \begin{aligned} & 1 \cdot 68(1 \cdot 29 \text { to } \\ & 2 \cdot 19) \end{aligned}\right.$ | $\begin{aligned} & 0.94(0.70 \text { to } \\ & 1.27) \end{aligned}$ | $2 \cdot 20$ (2.03 to 2.39) | 1.86 (1.71 to 2.02$)$ | 1.47 (1.41 to 1.53$)$ | 1.08 (1.03 to 1.13$)$ | 1.23 (1.21 to 1.26) | $1 \cdot 18$ (1.15 to 1.21$)$ |
| 75-84 | 1.54 (1.28 to 1.87) | 1.07 (0.90 to 1.28) | 1.53 (1.08 to 2.16) | 0.73 (0.51 to 1.06$)$ | $\begin{aligned} & 1.45(1.00 \text { to } \\ & 2.09) \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.77(0.52 \text { to } \\ & 1.13) \end{aligned}$ | 1.74 (1.57 to 1.92) | 1.28 (1.16 to 1-41) | $1 \cdot 28$ (1-20 to 1-36) | 1.02 (0.96 to 1.09$)$ | 1.27 (1.23 to 1.31) | $1 \cdot 17$ (1.14 to 1-21) |
| SES ${ }^{\text {S }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{array}{r} \text { Most Deprivation } \\ \text { (NZDep2013=1 or 2) } \end{array}$ | $2 \cdot 30$ (1.57 to 3.38) | 0.99 (0.54 to 1.80$)$ | 1.71 (0.53 to 5.44$)$ | 1.07 (0.26 to $4 \cdot 36)$ | $\begin{aligned} & 1.73(1.36 \text { to } \\ & 2.20) \end{aligned}$ | $\begin{aligned} & 0.71(0.55 \text { to } \\ & 0.92) \end{aligned}$ | $3 \cdot 90$ (3.23 to $4 \cdot 72$ ) | 1.59 (1.14 to 2.21) | 1.72 (1.53 to 1.93$)$ | 0.96 (0.93 to 1.00$)$ | 1.62 (1.52 to 1.72$)$ | 1.27 (1.15 to 1-40) |


| $\left\|\begin{array}{r} \text { IMD }=2 \\ (\text { NZDep2013 }==3 \text { or 4) } \end{array}\right\|$ | $2 \cdot 25$ (1.72 to 2.95) | 1.24 (0.86 to 1.80$)$ | 1.66 (1.33 to 2.08) | 1.05 (0.26 to 4.28) | $\left\lvert\, \begin{aligned} & 2 \cdot 43(1.56 \text { to } \\ & 3 \cdot 78) \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & 1 \cdot 31(0.69 \text { to } \\ & 2.47) \end{aligned}\right.$ | $2 \cdot 31$ (1.99 to 2.67) | $1 \cdot 97$ (1.69 to 2.30) | $1 \cdot 42$ (1.35 to 1.50) | $1 \cdot 32$ (1-20 to 1-45) | $1 \cdot 31$ (1.26 to 1-37) | $1 \cdot 23$ (1.19 to 1-27) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r} \text { IMD=3 } \\ \text { (NZDep2013=5 or 6) } \\ \hline \end{array}$ | 1.92 (1.42 to 2.59) | 1.07 (0.87 to 1.31$)$ | 1.63 (0.51 to 5.20) | 0.94 (0.34 to 2.58) | $\begin{aligned} & 1.23(0.87 \text { to } \\ & 1.72) \end{aligned}$ | $\begin{aligned} & 0.80(0.54 \text { to } \\ & 1.18) \end{aligned}$ | 2.27 (2.04 to 2.53) | 1.86 (1.66 to 2.08) | $1 \cdot 39$ (1.29 to 1.51) | $1 \cdot 11$ (1.04 to 1-18) | $1 \cdot 20$ (1.16 to 1.25 ) | $1 \cdot 13$ (1.07 to 1-18) |
| $\begin{array}{r} \text { IMD=4 } \\ \text { (NZDep2013 }=7 \text { or 8) } \end{array}$ | 1.86 (1.57 to 2.20) | 0.95 (0.61 to 1-49) | 1.62 (0.96 to 2.75) | 0.91 (0.56 to 1.47) | $\begin{array}{\|l} \begin{array}{l} 1 \cdot 18(0.63 \text { to } \\ 2.21) \end{array} \\ \hline \end{array}$ | $\begin{aligned} & 0.65(0.27 \text { to } \\ & 1.61) \end{aligned}$ | 1.82 (1.59 to 2.09) | 1.76 (1.47 to 2.10) | $1 \cdot 39$ (1-30 to 1-49) | 0.88 (0.78 to 1.00$)$ | $1 \cdot 20$ (1.17 to 1-24) | $1 \cdot 10$ (1.04 to 1-16) |
| $\begin{array}{\|r\|} \hline \text { Least Deprivation } \\ \text { (NZDep2013=9 or 10) } \end{array}$ | $1 \cdot 82$ (1.60 to 2.07) | 0.97 (0.85 to 1.09$)$ | 1.69 (1.35 to 2.12) | 0.78 (0.62 to 0.99) | $\begin{aligned} & 1.36(0.63 \text { to } \\ & 2.93) \end{aligned}$ | $\begin{aligned} & \hline 0.24(0.03 \text { to } \\ & 1.70) \end{aligned}$ | 1.80 (1.70 to 1.91) | $1 \cdot 39$ (1.32 to 1-48) | $1 \cdot 20$ (1.16 to $1 \cdot 24)$ | 0.58 (0.46 to 0.73) | 1.22 (1.20 to 1.25) | 1.02 (1.00 to 1.04$)$ |
| Smoking status \# |  |  |  |  |  |  |  |  |  |  |  |  |
| Not current smoker | 1.94 (1.74 to 2.18) | 1.08 (0.97 to 1.21) | 1.78 (1.42 to 2.23) | 0.91 (0.72 to 1.14) | $\begin{aligned} & 1.52(1.21 \text { to } \\ & 1.90) \end{aligned}$ | $\begin{aligned} & 0.85(0.68 \text { to } \\ & 1 \cdot 06) \end{aligned}$ | $2 \cdot 08$ (1.96 to 2.21) | 1.60 (1.51 to 1.69$)$ | $1 \cdot 18$ (1.08 to 1-28) | 0.89 (0.84 to 0.95) | 1.26 (1.23 to 1-30) | $1 \cdot 21$ (1.18 to 1-24) |
| Current smoker | 1.89 (1.63 to 2.15) | 1.13 (0.95 to 1.34) | 2.02 (1.51 to 2.67) | 0.88 (0.60 to 1.29) | $\begin{aligned} & 1 \cdot 66(1 \cdot 31 \text { to } \\ & 2 \cdot 12) \end{aligned}$ | $\begin{aligned} & 0.62(0.43 \text { to } \\ & 0.91) \end{aligned}$ | 1.89 (1.76 to 2.03) | 1.50 (1.38 to 1.63$)$ | 1.02 (0.96 to 1.08) | 0.75 (0.70 to 0.81) | 1.27 (1.22 to 1-32) | 1.02 (0.96 to 1.07) |
| Obesity Status ${ }^{\text {f }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Non-obesity | $2 \cdot 41$ (2.07 to 2.80) | 1.24 (1.05 to 1-45) | $2 \cdot 34$ (1.75 to 3.16$)$ | 1.23 (0.90 to 1.68) | $\begin{aligned} & 2 \cdot 00(1.50 \text { to } \\ & 2 \cdot 66) \end{aligned}$ | $\begin{aligned} & 0.73(0.51 \text { to } \\ & 1.04) \end{aligned}$ | $2 \cdot 45$ (2.27 to 2.65) | 1.68 (1.56 to 1.82) | $1 \cdot 29$ (1-19 to 1-40) | 0.75 (0.68 to 0.83) | 1.53 (1.47 to 1.59$)$ | $1 \cdot 10$ (1.06 to 1-14) |
| Obesity | 1.96 (1.73 to 2.23) | 1.03 (0.90 to 1.18$)$ | 1.87 (1.45 to 2.42$)$ | 0.72 (0.53 to 0.98) | $\begin{aligned} & 1 \cdot 70(1 \cdot 34 \text { to } \\ & 2 \cdot 15) \end{aligned}$ | $\begin{aligned} & 0.83(0.63 \text { to } \\ & 1.09) \end{aligned}$ | 1.85 (1.74 to 1.96) | 1.50 (1.41 to 1.59$)$ | 1.04 (0.98 to 1.11) | 0.84 (0.79 to 0.90) | $1 \cdot 18$ (1.15 to 1-22) | $1 \cdot 17$ (1.13 to $1 \cdot 20)$ |
| Period ${ }^{\ddagger}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| $<1998$ | 1.92 (1.34 to 2.76) | $1 \cdot 32$ (0.90 to 1.95) | 1.49 (0.71 to 3.14) | 0.88 (0.37 to 2.07) | $\begin{aligned} & 3 \cdot 21(1 \cdot 43 \text { to } \\ & 7 \cdot 21) \end{aligned}$ | $\begin{aligned} & 1 \cdot 78(0.72 \text { to } \\ & 4 \cdot 45) \end{aligned}$ | 1.91 (0.83 to 4.42) | 1.94 (0.85 to 4.43$)$ | $2 \cdot 45$ (2.08 to 2.90) | $1 \cdot 97$ (1.64 to 2.38) | 1.51 (1.42 to 1.61) | $1 \cdot 12$ (1.05 to 1.21) |
| 1999-2003 | 2.18 (1.79 to 2.65) | 1.15 (0.94 to 1-42) | $2 \cdot 18$ (1.52 to $3 \cdot 12)$ | 1.14 (0.77 to 1.67) | $\left\lvert\, \begin{aligned} & 1.75(1.19 \text { to } \\ & 2.59) \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & 1 \cdot 01(0.67 \text { to } \\ & 1 \cdot 53) \end{aligned}\right.$ | 2.63 (2.29 to 3.02) | 1.92 (1.67 to 2.21) | $1 \cdot 50$ (1.39 to 1.61) | $1 \cdot 10$ (1.02 to $1 \cdot 19)$ | $1 \cdot 30$ (1.26 to 1-34) | 1.00 (0.97 to 1.04$)$ |
| 2004-2008 | $2 \cdot 01$ (1.71 to 2.36) | 1.02 (0.86 to 1.22$)$ | 2.09 (1.52 to 2.87) | 0.64 (0.42 to 0.97) | $\begin{aligned} & 1 \cdot 50(1 \cdot 10 \text { to } \\ & 2 \cdot 02) \end{aligned}$ | $\begin{aligned} & 0.75(0.53 \text { to } \\ & 1.05) \end{aligned}$ | $2 \cdot 41$ (2.20 to 2.65) | 1.73 (1.57 to 1.90) | $1 \cdot 41$ (1.35 to 1-48) | 1.08 (1.03 to 1.14$)$ | 1.24 (1.21 to 1-27) | 1.03 (1.01 to 1.06$)$ |
| 2009-2013 | $2 \cdot 20$ (1.87 to 2.59) | 1.13 (0.94 to 1.36$)$ | 1.87 (1.35 to 2.58$)$ | 0.82 (0.56 to 1.19) | $\begin{aligned} & 2 \cdot 11(1.57 \text { to } \\ & 2 \cdot 84) \end{aligned}$ | $\begin{aligned} & 0.85(0.58 \text { to } \\ & 1.23) \end{aligned}$ | $1 \cdot 90$ (1.74 to 2.07) | 1.59 (1.45 to 1.73) | 1.49 (1.43 to 1.55$)$ | $1 \cdot 24$ (1.19 to 1-30) | 1.22 (1.18 to 1.25) | $1 \cdot 15$ (1,12 to 1-18) |
| 2014-2018 | $1 \cdot 46$ ( 1.18 to $1 \cdot 80$ ) | 0.85 (0.68 to 1.05$)$ | 1.81 (1.16 to 2.81) | 1.01 (0.65 to 1.58) | $\left(\begin{array}{l} 1 \cdot 12(0 \cdot 77 \text { to } \\ 1 \cdot 62) \end{array}\right.$ | $\begin{aligned} & 0.44(0.28 \text { to } \\ & 0.69) \end{aligned}$ | 1.72 (1.60 to 1.85$)$ | $1 \cdot 38(1.29$ to 1.48$)$ | 0.97 (0.93 to 1.01$)$ | 0.75 (0.72 to 0.79) | 1.24 (1.20 to 1-27) | 1.13 (1.10 to 1-17) |

Table-S6 Stratified adjusted absolute risk difference for clinical events in Māori and Pacific New Zealand population with type 2 diabetes comparing to European New Zealand population with type 2 diabetes
§ Age-stratification, SES, smoking status, obesity status and period were adjusted.

- Gender, SES, smoking status, obesity status and period were adjusted.
\$ Gender, age-stratification, smoking status, obesity status and period were adjusted
$\ddagger$ Gender, age-stratification, SES, smoking status, and obesity status were adjusted.
\# Gender, age-stratification, SES, obesity status and period were adjusted.
$£$ Gender, age-stratification, SES, smoking status and period were adjusted.
SES indicates socioeconomic status• SES was defined by NZDep2013• IMD indicates index of multiple deprivation.
European ethnicity was used as reference group.
Estimation was presented as adjusted absolute risk difference ( $95 \%$ confidence interval) per 1,000 person-years.

|  | All-cause mortality |  | CVD mortality |  | Cancer mortality |  | ESRD hospitalisation |  | Cancer hospitalisation |  | CVD hospitalisation |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Māori | Pacific | Mãori | Pacific | Māori | Pacific | Māori | Pacific | Māori | Pacific | Māori | Pacific |
| Gender ${ }^{\text {8 }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Male | $\begin{aligned} & \hline 26.91(22.26 \text { to } \\ & 31.57) \\ & \hline \end{aligned}$ | 3.55 (1.34 to 5.75) | $\begin{aligned} & \hline 8 \cdot 03(5 \cdot 52 \text { to } \\ & 10 \cdot 54) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline-0 \cdot 18(-1 \cdot 16 \text { to } \\ & 0 \cdot 79) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2.24(1.06 \text { to } \\ & 3.42) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline-1.49(-1.93 \text { to - } \\ & 1.05) \\ & \hline \end{aligned}$ | $\begin{aligned} & 34 \cdot 54(31 \cdot 93 \text { to } \\ & 37 \cdot 14) \\ & \hline \end{aligned}$ | $\begin{array}{\|l} 17 \cdot 15(15.32 \text { to } \\ 18.97) \\ \hline \end{array}$ | $\begin{aligned} & \hline 46 \cdot 29(42.61 \text { to } \\ & 49.98) \\ & \hline \end{aligned}$ | 7.58 (5.30 to 9.86) | $\begin{aligned} & 52 \cdot 21(49 \cdot 95 \text { to } \\ & 54.47) \\ & \hline \end{aligned}$ | $\begin{aligned} & 19 \cdot 91(18 \cdot 57 \text { to } \\ & 21 \cdot 24) \end{aligned}$ |
| Female | $\begin{aligned} & 18 \cdot 64(15 \cdot 12 \text { to } \\ & 22 \cdot 15) \end{aligned}$ | $\begin{aligned} & -0 \cdot 93(-2 \cdot 12 \text { to } \\ & 0 \cdot 27) \end{aligned}$ | 4.60 (2.44 to 6.76$)$ | $\begin{aligned} & -1 \cdot 91(-2 \cdot 45 \text { to }- \\ & 1 \cdot 37) \end{aligned}$ | $\begin{aligned} & 3.76(2.59 \text { to } \\ & 4.93) \end{aligned}$ | $\begin{aligned} & -0.94(-1.23 \text { to - } \\ & 0.65) \end{aligned}$ | $\begin{aligned} & 27 \cdot 48(25 \cdot 28 \text { to } \\ & 29 \cdot 68) \end{aligned}$ | $\begin{aligned} & 16.14(14.73 \text { to } \\ & 17.55) \end{aligned}$ | $\begin{aligned} & 41 \cdot 63(38 \cdot 59 \text { to } \\ & 44 \cdot 66) \end{aligned}$ | $\begin{aligned} & -1 \cdot 28(-2.56 \text { to } \\ & 0.00) \end{aligned}$ | $\begin{aligned} & 33 \cdot 70(32.05 \text { to } \\ & 35 \cdot 36) \end{aligned}$ | 9.06 (8.25 to 9.87 ) |
| Age stratification |  |  |  |  |  |  |  |  |  |  |  |  |
| 35-44 | 1.94 (1.20 to 2.67) | $\begin{aligned} & -0.35(-0.32 \text { to }- \\ & 0.38) \end{aligned}$ | $\begin{aligned} & -0 \cdot 08(-0 \cdot 19 \text { to } \\ & 0 \cdot 08) \end{aligned}$ | $\begin{aligned} & -0.43(-0.67 \text { to } \\ & 0.19) \end{aligned}$ | $\begin{aligned} & 0.06(-0.06 \text { to } \\ & 0 \cdot 18) \end{aligned}$ | 0.27 (0.00 to 0.55) | 4.04 (3.36 to 4.72) | $\begin{aligned} & -1 \cdot 87(-2 \cdot 60 \text { to } \\ & 0.75) \\ & \hline \end{aligned}$ | 4.97 (3.90 to 6.05) | $\begin{aligned} & \hline-2 \cdot 07(-2 \cdot 26 \text { to - } \\ & 1 \cdot 89) \end{aligned}$ | $\begin{aligned} & -14 \cdot 75(-16 \cdot 05 \text { to }- \\ & 13 \cdot 46) \end{aligned}$ | $\begin{aligned} & -29 \cdot 19(-31 \cdot 63 \text { to - } \\ & 26 \cdot 75) \\ & \hline \end{aligned}$ |
| 45-54 | $5 \cdot 18$ (4.15 to 6.21) | $\begin{aligned} & -0.51(-0.59 \text { to - } \\ & 0.43) \end{aligned}$ | 1.65 (1.01 to 2.29) | $\begin{aligned} & -0.41(-0.47 \text { to - } \\ & 0.34) \end{aligned}$ | $\begin{aligned} & 0.47(0.23 \text { to } \\ & 0.71) \end{aligned}$ | $\begin{aligned} & -0.66(-0.82 \text { to }- \\ & 0.51) \end{aligned}$ | $\begin{aligned} & 15 \cdot 34(14 \cdot 16 \text { to } \\ & 16 \cdot 52) \end{aligned}$ | $\begin{aligned} & 11.52(10 \cdot 61 \text { to } \\ & 12.42) \end{aligned}$ | $\begin{aligned} & -1.24(-1.82 \text { to - } \\ & 0 \cdot 66) \end{aligned}$ | $\begin{aligned} & -27 \cdot 98(-29 \cdot 91 \text { to - } \\ & 26.06) \end{aligned}$ | $\begin{aligned} & 24.68(22.79 \text { to } \\ & 26.57) \end{aligned}$ | $\begin{aligned} & -8 \cdot 14(-8.54 \text { to }- \\ & 7.75) \end{aligned}$ |
| 55-64 | 9.37 (6.65 to 12.09) | $\begin{aligned} & -0.72(-0.75 \text { to }- \\ & 0.68) \end{aligned}$ | $2 \cdot 36$ (1.60 t0 3.13) | 0.40 (0.13 to 0.66) | $\begin{aligned} & 1.32(0.75 \text { to } \\ & 1.89) \end{aligned}$ | $\begin{aligned} & -1.92(-2.01 \text { to }- \\ & 1.83) \end{aligned}$ | $\begin{aligned} & 23 \cdot 42(20.77 \text { to } \\ & 26.06) \end{aligned}$ | $\begin{aligned} & 13.61(12.03 \text { to } \\ & 15 \cdot 19) \end{aligned}$ | $\begin{aligned} & 39 \cdot 13(35 \cdot 19 \text { to } \\ & 43 \cdot 07) \end{aligned}$ | $\begin{aligned} & 13.44(11.26 \text { to } \\ & 15.62) \end{aligned}$ | $\begin{aligned} & 44 \cdot 70(42 \cdot 00 \text { to } \\ & 47 \cdot 40) \end{aligned}$ | $\begin{aligned} & 12.47(11.49 \text { to } \\ & 13.46) \end{aligned}$ |
| 65-74 | $\begin{aligned} & 17 \cdot 20(14 \cdot 18 \text { to } \\ & 20 \cdot 21) \end{aligned}$ | $2 \cdot 58$ (1.17 to 3.99) | 3.06 (1.81 to 4.32) | $\begin{aligned} & -0.41(-0.85 \text { to } \\ & 0.03) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4.03(2.49 \text { to } \\ & 5.56) \\ & \hline \end{aligned}$ | $\begin{aligned} & -0 \cdot 34(-1 \cdot 03 \text { to } \\ & 0 \cdot 34) \\ & \hline \end{aligned}$ | $\begin{aligned} & 32 \cdot 08(29 \cdot 27 \text { to } \\ & 34.89) \\ & \hline \end{aligned}$ | $\begin{aligned} & 22 \cdot 36(20 \cdot 17 \text { to } \\ & 24 \cdot 55) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 80 \cdot 41(74 \cdot 13 \text { to } \\ & 86 \cdot 69) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 14.04(10 \cdot 91 \text { to } \\ 17.16) \\ \hline \end{array}$ | $\begin{aligned} & 47.07(44.07 \text { to } \\ & 50.07) \end{aligned}$ | $\begin{aligned} & 36 \cdot 18(33 \cdot 67 \text { to } \\ & 38 \cdot 69) \\ & \hline \end{aligned}$ |
| 75-84 | $\begin{aligned} & 22 \cdot 13(13 \cdot 55 \text { to } \\ & 30 \cdot 70) \\ & \hline \end{aligned}$ | 4.90 (0.26 to 9.54) | $\begin{aligned} & \hline 7.90(2.41 \text { to } \\ & 13.38) \\ & \hline \end{aligned}$ | $\begin{aligned} & -3 \cdot 95(-5 \cdot 21 \text { to }- \\ & 2 \cdot 68) \end{aligned}$ | $\begin{aligned} & 5 \cdot 03(0.72 \text { to } \\ & 9 \cdot 34) \end{aligned}$ | $\begin{aligned} & \hline-2 \cdot 49(-4 \cdot 35 \text { to - } \\ & 0 \cdot 64) \\ & \hline \end{aligned}$ | $\begin{aligned} & 40 \cdot 25(33.54 \text { to } \\ & 46 \cdot 96) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 13.97(10.06 \text { to } \\ & 17.87) \\ & \hline \end{aligned}$ | $\begin{aligned} & 63 \cdot 62(52 \cdot 27 \text { to } \\ & 74 \cdot 96) \end{aligned}$ | $\begin{aligned} & 5 \cdot 49(-1 \cdot 77 \text { to } \\ & 12 \cdot 75) \end{aligned}$ | $\begin{aligned} & 72 \cdot 57 \text { ( } 66 \cdot 01 \text { to } \\ & 79 \cdot 12 \text { ) } \end{aligned}$ | $\begin{aligned} & 47 \cdot 05(42 \cdot 12 \text { to } \\ & 51 \cdot 98) \\ & \hline \end{aligned}$ |
| SES ${ }^{\text {s }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Most Deprivation (NZDep2013 $=1$ or 2) | $\begin{aligned} & 29 \cdot 19(12 \cdot 21 \text { to } \\ & 46 \cdot 17) \end{aligned}$ | $\begin{aligned} & -0 \cdot 49(-10 \cdot 38 \text { to } \\ & 9 \cdot 40) \end{aligned}$ | $\begin{aligned} & 5 \cdot 47(-7.63 \text { to } \\ & 18 \cdot 58) \end{aligned}$ | $\begin{aligned} & 0.54(-8.66 \text { to } \\ & 9.73) \end{aligned}$ | $\begin{aligned} & 1 \cdot 61(-2 \cdot 16 \text { to } \\ & 5 \cdot 38) \end{aligned}$ | $\begin{aligned} & -3 \cdot 50(-4 \cdot 65 \text { to - } \\ & 2 \cdot 36) \end{aligned}$ | $\begin{aligned} & 65 \cdot 65(51 \cdot 26 \text { to } \\ & 80 \cdot 05) \end{aligned}$ | $\begin{aligned} & 13 \cdot 65(3.56 \text { to } \\ & 23.75) \end{aligned}$ | $\begin{aligned} & 99 \cdot 87(78 \cdot 82 \text { to } \\ & 120 \cdot 93) \end{aligned}$ | $\begin{aligned} & -58 \cdot 61(-68.74 \text { to - } \\ & 48 \cdot 48) \end{aligned}$ | $\begin{aligned} & 83 \cdot 00(73.74 \text { to } \\ & 92.27) \end{aligned}$ | $\begin{aligned} & 36 \cdot 59(25 \cdot 49 \text { to } \\ & 47 \cdot 68) \end{aligned}$ |
| $\begin{array}{r} \text { IMD }=2 \\ \text { (NZDep2013=}=3 \\ \text { or 4) } \\ \hline \end{array}$ | $\begin{aligned} & 27 \cdot 13(16 \cdot 78 \text { to } \\ & 37 \cdot 47) \end{aligned}$ | $\begin{aligned} & -0.90(-6 \cdot 56 \text { to } \\ & 4.77) \end{aligned}$ | $\begin{aligned} & 11.61(1.74 \text { to } \\ & 21.49) \end{aligned}$ | $\begin{aligned} & -0.41(-4 \cdot 74 \text { to } \\ & 3.93) \end{aligned}$ | $\begin{aligned} & 1 \cdot 26(-0.02 \text { to } \\ & 2.55) \end{aligned}$ | $\begin{aligned} & -1 \cdot 07(-1 \cdot 80 \text { to }- \\ & 0 \cdot 35) \end{aligned}$ | $\begin{aligned} & 40 \cdot 30(34 \cdot 95 \text { to } \\ & 45 \cdot 66) \end{aligned}$ | $\begin{aligned} & 26 \cdot 96 \text { (20.90 to } \\ & 33 \cdot 02) \end{aligned}$ | $\begin{aligned} & 59 \cdot 11(48 \cdot 45 \text { to } \\ & 69 \cdot 78) \end{aligned}$ | $\begin{aligned} & -40 \cdot 77(-49 \cdot 59 \text { to - } \\ & 31 \cdot 94) \end{aligned}$ | $\begin{aligned} & 52 \cdot 27(47 \cdot 14 \text { to } \\ & 57 \cdot 39) \end{aligned}$ | $\begin{aligned} & 25 \cdot 73 \text { (23.89 to } \\ & 27 \cdot 57) \end{aligned}$ |


| $\begin{array}{r} \text { IMD }=3 \\ \text { (NZDep2013 }=5 \\ \text { or 6) } \\ \hline \end{array}$ | $\begin{aligned} & 23 \cdot 42(17 \cdot 36 \text { to } \\ & 29 \cdot 49) \end{aligned}$ | $\begin{aligned} & -1 \cdot 85(-4 \cdot 92 \text { to } \\ & 1 \cdot 22) \end{aligned}$ | $\begin{aligned} & 10 \cdot 87(4.73 \text { to } \\ & 17 \cdot 01) \end{aligned}$ | $\begin{aligned} & -1 \cdot 06(-3 \cdot 53 \text { to } \\ & 1 \cdot 41) \end{aligned}$ | $\begin{aligned} & 1 \cdot 35(-1 \cdot 15 \text { to } \\ & 3 \cdot 84) \end{aligned}$ | $\begin{aligned} & -0.71(-2.06 \text { to } \\ & 0 \cdot 64) \end{aligned}$ | $\begin{aligned} & 33 \cdot 28(26 \cdot 75 \text { to } \\ & 39.81) \end{aligned}$ | $\begin{aligned} & 23 \cdot 29(18 \cdot 60 \text { to } \\ & 27 \cdot 98) \end{aligned}$ | $\begin{aligned} & 54.75(48.74 \text { to } \\ & 60.76) \end{aligned}$ | $\begin{aligned} & -17 \cdot 45(-26 \cdot 18 \text { to }- \\ & 8 \cdot 73) \end{aligned}$ | $\begin{aligned} & 36 \cdot 12(33 \cdot 22 \text { to } \\ & 39 \cdot 02) \end{aligned}$ | $\begin{aligned} & 18.94(16 \cdot 67 \text { to } \\ & 21 \cdot 22) \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r} \text { IMD=4 } \\ \text { (NZDep2013=7 } \\ \text { or 8) } \\ \hline \end{array}$ | $\begin{aligned} & 17.42(8 \cdot 78 \text { to } \\ & 26.06) \end{aligned}$ | $\begin{aligned} & -2 \cdot 16(-4 \cdot 72 \text { to } \\ & 0 \cdot 41) \end{aligned}$ | $\begin{aligned} & 5 \cdot 37(0 \cdot 23 \text { to } \\ & 10 \cdot 52) \end{aligned}$ | $\begin{aligned} & -1 \cdot 68(-4 \cdot 97 \text { to } \\ & 1 \cdot 60) \end{aligned}$ | $\begin{aligned} & 3.81(1.75 \text { to } \\ & 5.86) \end{aligned}$ | $\begin{aligned} & -0.25(-1 \cdot 21 \text { to } \\ & 0.71) \end{aligned}$ | $\begin{aligned} & 27 \cdot 22(22 \cdot 88 \text { to } \\ & 31 \cdot 57) \end{aligned}$ | $\begin{aligned} & 18 \cdot 42(12 \cdot 39 \text { to } \\ & 24 \cdot 45) \end{aligned}$ | $\begin{aligned} & 49 \cdot 61(42 \cdot 79 \text { to } \\ & 56 \cdot 42) \end{aligned}$ | $\begin{aligned} & -14 \cdot 19(-17 \cdot 83 \text { to }- \\ & 10 \cdot 55) \end{aligned}$ | $\begin{aligned} & 33 \cdot 47(29 \cdot 63 \text { to } \\ & 37 \cdot 30) \end{aligned}$ | $\begin{aligned} & 9.48(5.77 \text { to } \\ & 13.19) \end{aligned}$ |
| Least Deprivation (NZDep2013 $=9$ or 10) | $\begin{aligned} & 24 \cdot 54(20 \cdot 28 \text { to } \\ & 28 \cdot 80) \end{aligned}$ | $\begin{aligned} & -1.05(-1.74 \text { to - } \\ & 0.35) \end{aligned}$ | 5.67 (3.72 to 7.62) | $\begin{aligned} & -2 \cdot 25(-2 \cdot 49 \text { to }- \\ & 2 \cdot 00) \end{aligned}$ | $\begin{aligned} & 3.89(2.73 \text { to } \\ & 5.05) \end{aligned}$ | $\begin{aligned} & -1 \cdot 54(-1 \cdot 58 \text { to - } \\ & 1 \cdot 50) \end{aligned}$ | $\begin{aligned} & 32 \cdot 22(29 \cdot 89 \text { to } \\ & 34 \cdot 55) \end{aligned}$ | $\begin{aligned} & 15 \cdot 23(14 \cdot 19 \text { to } \\ & 16 \cdot 27) \end{aligned}$ | $\begin{aligned} & 31 \cdot 89(29 \cdot 45 \text { to } \\ & 34 \cdot 34) \end{aligned}$ | $\begin{aligned} & -5 \cdot 53(-5 \cdot 91 \text { to }- \\ & 5 \cdot 14) \end{aligned}$ | $\begin{aligned} & 41 \cdot 07(39.33 \text { to } \\ & 42.82) \end{aligned}$ | 3.09 (2.74 to 3.43) |
| Smoking status \# |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} \text { Not current } \\ \text { smoker } \end{gathered}$ | $\begin{aligned} & 20.78(17.22 \text { to } \\ & 24.34) \\ & \hline \end{aligned}$ | 1.87 (0.43 to 3.30$)$ | 5.71 (3.78 to 7.87) | $\begin{aligned} & -0 \cdot 68(-1 \cdot 47 \text { to } \\ & 0 \cdot 10) \end{aligned}$ | $\begin{aligned} & 2 \cdot 21(1 \cdot 26 \text { to } \\ & 3 \cdot 16) \\ & \hline \end{aligned}$ | $\begin{aligned} & -0.65(-0.98 \text { to } \\ & 0.31) \end{aligned}$ | $\begin{aligned} & 30 \cdot 91(28.62 \text { to } \\ & 33.19) \\ & \hline \end{aligned}$ | $\begin{aligned} & 17 \cdot 10(15 \cdot 76 \text { to } \\ & 18 \cdot 44) \end{aligned}$ | $\begin{aligned} & 26 \cdot 08(16 \cdot 80 \text { to } \\ & 35 \cdot 35) \\ & \hline \end{aligned}$ | $\begin{aligned} & -15 \cdot 44(-18 \cdot 78 \text { to - } \\ & 12 \cdot 11) \end{aligned}$ | $\begin{aligned} & \text { 24.09 (22.74 to } \\ & 25 \cdot 45) \\ & \hline \end{aligned}$ | $\begin{aligned} & 19.08(17 \cdot 99 \text { to } \\ & 20.17) \\ & \hline \end{aligned}$ |
| Current smoker | $\begin{aligned} & 18.79(15 \cdot 31 \text { to } \\ & 22.27) \\ & \hline \end{aligned}$ | 2.81 (0.52 to 5.10$)$ | 5.85 (3.70 to 8.01) | $\begin{aligned} & \hline-0.67(-1.45 \text { to } \\ & 0.11) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \cdot 33(2 \cdot 81 \text { to } \\ & 5 \cdot 85) \\ & \hline \end{aligned}$ | $\begin{aligned} & -2.46(-3.04 \text { to - } \\ & 1.88) \\ & \hline \end{aligned}$ | $\begin{aligned} & 30.47(28.21 \text { to } \\ & 32.72) \\ & \hline \end{aligned}$ | $\begin{aligned} & 17 \cdot 08(15 \cdot 00 \text { to } \\ & 19 \cdot 16) \end{aligned}$ | $\begin{aligned} & 3 \cdot 19(-6 \cdot 09 \text { to } \\ & 12 \cdot 46) \\ & \hline \end{aligned}$ | $\begin{aligned} & -39 \cdot 38(-42 \cdot 71 \text { to - } \\ & 36 \cdot 04) \\ & \hline \end{aligned}$ | $\begin{aligned} & 24 \cdot 22(23 \cdot 08 \text { to } \\ & 25 \cdot 37) \\ & \hline \end{aligned}$ | 1.37 (-0.02 to 2.76) |
| Obesity Status ${ }^{\text { }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Non-obesity | $\begin{aligned} & 26 \cdot 95(21.40 \text { to } \\ & 32.50) \\ & \hline \end{aligned}$ | 4.52 (2.08 to 6.96) | $\begin{aligned} & 7.84(4.60 \text { to } \\ & 11.09) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \cdot 32(-0 \cdot 16 \text { to } \\ & 2 \cdot 80) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \cdot 20(2.39 \text { to } \\ & 6 \cdot 01) \\ & \hline \end{aligned}$ | $\begin{aligned} & -1 \cdot 15(-1.71 \text { to } \\ & 0 \cdot 59) \\ & \hline \end{aligned}$ | $\begin{aligned} & 43.75(39.83 \text { to } \\ & 47.67) \\ & \hline \end{aligned}$ | $\begin{aligned} & 20 \cdot 54(18 \cdot 19 \text { to } \\ & 22 \cdot 89) \\ & \hline \end{aligned}$ | $\begin{aligned} & 42.81(32.75 \text { to } \\ & 52.87) \\ & \hline \end{aligned}$ | $\begin{aligned} & -37 \cdot 64(-43 \cdot 26 \text { to - } \\ & 32 \cdot 02) \end{aligned}$ | $\begin{aligned} & 43.43(40.65 \text { to } \\ & 46.22) \\ & \hline \end{aligned}$ | 8.19 (6.70 to 9.67) |
| Obesity | $\begin{aligned} & 14.12(11.71 \text { to } \\ & 16.53) \end{aligned}$ | $\begin{array}{\|l\|} 0.43(-0.31 \text { to } \\ 1.17) \\ \hline \end{array}$ | 3.69 (2.35 to 5.02) | $\begin{aligned} & -1 \cdot 18(-1.32 \text { to } \\ & 1.04) \end{aligned}$ | $\begin{aligned} & \text { 2.44 (1.65 to } \\ & 3.24) \\ & \hline \end{aligned}$ | $\begin{aligned} & -0.59(-0 \cdot 80 \text { to } \\ & 0 \cdot 38) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 25 \cdot 21(23 \cdot 43 \text { to } \\ & 26 \cdot 98) \\ & \hline \end{aligned}$ | $\begin{aligned} & 14.85(13.64 \text { to } \\ & 16.07) \end{aligned}$ | $6 \cdot 11$ (3.23 to 8.99$)$ | $\begin{aligned} & \hline-23 \cdot 42(-21 \cdot 29 \text { to }- \\ & 25 \cdot 56) \\ & \hline \end{aligned}$ | $\begin{aligned} & 16.43(15.61 \text { to } \\ & 17.24) \end{aligned}$ | $\begin{aligned} & 14.99(14.09 \text { to } \\ & 15.88) \\ & \hline \end{aligned}$ |
| Period ${ }^{\ddagger}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| $<1998$ | $\begin{aligned} & 14 \cdot 94(7 \cdot 25 \text { to } \\ & 22 \cdot 63) \end{aligned}$ | $\begin{aligned} & 5 \cdot 21(0.38 \text { to } \\ & 10 \cdot 05) \\ & \hline \end{aligned}$ | $2 \cdot 93$ (-1.43 to $7 \cdot 29)$ | $\begin{aligned} & -0.72(-3.06 \text { to } \\ & 1.61) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4.07(0.53 \text { to } \\ & 7.62) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \cdot 45(-0 \cdot 42 \text { to } \\ & 3 \cdot 31) \end{aligned}$ | 0.67 (0.04 to 1.31) | 0.69 (0.04 to 1.34) | $\begin{aligned} & 21 \cdot 57 \text { ( } 16 \cdot 95 \text { to } \\ & 26 \cdot 19 \text { ) } \end{aligned}$ | $\begin{aligned} & 14.43(10.47 \text { to } \\ & 18.38) \end{aligned}$ | $\begin{aligned} & 14 \cdot 51(12 \cdot 86 \text { to } \\ & 16 \cdot 16) \end{aligned}$ | 3.53 (2.33 to 4.73) |
| 1999-2003 | $\begin{aligned} & \hline 36 \cdot 17(26 \cdot 64 \text { to } \\ & 45.71) \\ & \hline \end{aligned}$ | 4.69 (0.94 to 8.45) | $\begin{aligned} & 13 \cdot 18(6 \cdot 46 \text { to } \\ & 19 \cdot 90) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.51(-1.03 \text { to } \\ & 4.06) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4.39(1.80 \text { to } \\ & 6.97) \end{aligned}$ | $\begin{aligned} & 0.08(-1.01 \text { to } \\ & 1.16) \end{aligned}$ | $\begin{aligned} & 19.85(16.92 \text { to } \\ & 22.78) \end{aligned}$ | $\begin{aligned} & 11.21(9.34 \text { to } \\ & 13.09) \\ & \hline \end{aligned}$ | $\begin{aligned} & 21 \cdot 16(18 \cdot 31 \text { to } \\ & 24 \cdot 00) \end{aligned}$ | 4.47 (2.93 to 6.01) | $\begin{aligned} & 18.51(17.26 \text { to } \\ & 19.76) \\ & \hline \end{aligned}$ | 0.14 (-0.60 to 0.87) |
| 2004-2008 | $\begin{aligned} & 29.66(22.67 \text { to } \\ & 36.65) \end{aligned}$ | $\begin{array}{\|l\|} \hline 0.69(-1.91 \text { to } \\ 3.28) \\ \hline \end{array}$ | $\begin{aligned} & \hline 9.52(5.02 \text { to } \\ & 14.01) \\ & \hline \end{aligned}$ | $\begin{aligned} & -3 \cdot 18(-4 \cdot 11 \text { to }- \\ & 2 \cdot 24) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \cdot 15(1.31 \text { to } \\ & 4.98) \\ & \hline \end{aligned}$ | $\begin{aligned} & -1.62(-2 \cdot 22 \text { to }- \\ & 1 \cdot 02) \end{aligned}$ | $\begin{aligned} & 37.68(33.33 \text { to } \\ & 42.03) \\ & \hline \end{aligned}$ | $\begin{aligned} & 19 \cdot 47(16 \cdot 80 \text { to } \\ & 22 \cdot 14) \\ & \hline \end{aligned}$ | $\begin{aligned} & 28 \cdot 44(25 \cdot 85 \text { to } \\ & 31 \cdot 04) \\ & \hline \end{aligned}$ | $5 \cdot 87$ (4.27 to 7.47) | $\begin{aligned} & 19.51(18.38 \text { to } \\ & 20.63) \end{aligned}$ | 2.61 (1.82 to 3.39) |
| 2009-2013 | $\begin{aligned} & \begin{array}{l} 30 \cdot 00(23.36 \text { to } \\ 36 \cdot 63) \end{array} \\ & \hline \end{aligned}$ | 3.21 (0.25 to 6.16) | $\begin{aligned} & \hline 6 \cdot 61(3.20 \text { to } \\ & 10 \cdot 02) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline-1 \cdot 40(-2.56 \text { to - } \\ & 0 \cdot 23) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5.95(3.63 \text { to } \\ & 8.27) \end{aligned}$ | $\begin{aligned} & -0 \cdot 82(-1 \cdot 62 \text { to }- \\ & 0 \cdot 02) \end{aligned}$ | $\begin{aligned} & 32 \cdot 61(29 \cdot 06 \text { to } \\ & 36 \cdot 16) \end{aligned}$ | $\begin{aligned} & 21.34(18.44 \text { to } \\ & 24.23) \\ & \hline \end{aligned}$ | $\begin{aligned} & 51 \cdot 26(47 \cdot 45 \text { to } \\ & 55 \cdot 07) \\ & \hline \end{aligned}$ | $\begin{aligned} & 25.56(22.32 \text { to } \\ & 28.80) \\ & \hline \end{aligned}$ | $\begin{aligned} & 24 \cdot 95(23 \cdot 50 \text { to } \\ & 26 \cdot 40) \\ & \hline \end{aligned}$ | $\begin{aligned} & 17.01(15.59 \text { to } \\ & 18.43) \\ & \hline \end{aligned}$ |
| 2014-2018 | 7.75 (4.58 to 10.93) | $\begin{aligned} & -2 \cdot 63(-3 \cdot 25 \text { to }- \\ & 2 \cdot 01) \end{aligned}$ | 2.77 ( 0.83 to 4.72$)$ | $\begin{aligned} & \hline 0.04(-0.74 \text { to } \\ & 0.82) \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.48(-0.44 \text { to } \\ & 1.41) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline-2 \cdot 28(-2 \cdot 35 \text { to }- \\ & 2 \cdot 20) \\ & \hline \end{aligned}$ | $\begin{aligned} & 50 \cdot 71(45 \cdot 29 \text { to } \\ & 56 \cdot 13) \end{aligned}$ | $\begin{aligned} & 26.71(23.37 \text { to } \\ & 30.04) \\ & \hline \end{aligned}$ | $\begin{aligned} & \text {-6.87(-11.00 to - } \\ & 2.73) \end{aligned}$ | $\begin{aligned} & -51 \cdot 43(-54 \cdot 00 \text { to - } \\ & 48 \cdot 86) \end{aligned}$ | $\begin{aligned} & \text { 52.23 (48.69 to } \\ & 55.77) \\ & \hline \end{aligned}$ | $\begin{aligned} & 29.52(26.97 \text { to } \\ & 32.08) \\ & \hline \end{aligned}$ |

## Figure-S1 Age-period-cohort influence on all-cause mortality in all diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality by age (35-84) with adjustment of period and birth cohort effects
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) by birth year (1910-1980) with adjustment of age and period effects. Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) by calendar year (1994-2018) with adjustment of age and birth cohort effects. Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S2 Age-period-cohort influence on all-cause mortality in female diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in female diabetes population by age (35-85) with adjustment of period and birth cohort effects
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in female diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in female diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S3• Age-period-cohort influence on all-cause mortality in male diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in male diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in male diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in male diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S4 Age-period-cohort influence on all-cause mortality in the least deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The least deprivation indicates NZDep2013 equals 1 or 2.


## Figure-S5 Age-period-cohort influence on all-cause mortality in the diabetes population with IMD equals 2: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=2$ defined as DZDep2013 equals 3 or 4 .


## Figure-S6 Age-period-cohort influence on all-cause mortality in the diabetes population with IMD equals 3: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=3$ defined as DZDep2013 equals 5 or 6 .


## Figure-S7 Age-period-cohort influence on all-cause mortality in the diabetes population with IMD equals 4: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=4$ defined as DZDep2013 equals 7 or 8.


## Figure-S8 Age-period-cohort influence on all-cause mortality in the most deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the most deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the most deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the most deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively. The most deprivation was defined as NZDep2013 equals 9 or 10.


## Figure-S9 Age-period-cohort influence on all-cause mortality in not-current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the not-current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the not-current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the not-current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S10 Age-period-cohort influence on all-cause mortality in current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S11 Age-period-cohort influence on all-cause mortality in non-obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the non-obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the non-obese diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the non-obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
All-cause mortality, non obese


## Figure-S12 Age-period-cohort influence on all-cause mortality in obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of all-cause mortality in the obese diabetes population by age ( $35-84$ ) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for all-cause mortality (relative to reference birth cohort 1960) in the obese diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for all-cause mortality (relative to reference year 2013) in the obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S13 Age-period-cohort influence on cardiovascular mortality in all diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) by birth year (1910-1980) with adjustment of age and period effects
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S14 Age-period-cohort influence on cardiovascular mortality in female diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in female diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in female diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in female diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S15 Age-period-cohort influence on cardiovascular mortality in male diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in male diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in male diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in male diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S16 Age-period-cohort influence on cardiovascular mortality in the least deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The least deprivation indicates NZDep2013 equals 1 or 2.


## Figure-S17 Age-period-cohort influence on cardiovascular mortality in the diabetes population with IMD equals 2: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects. Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=2$ was defined as NZDep2013 equals 3 or 4 .


## Figure-S18 Age-period-cohort influence on cardiovascular mortality in the diabetes population with IMD equals 3: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects. Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=3$ was defined as NZDep2013 equals 5 or 6 .


## Figure-S19 Age-period-cohort influence on cardiovascular mortality in the diabetes population with IMD equals 4: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD equals 4 was defined as NZDep2013 equals 7 or 8 .


## Figure-S20 Age-period-cohort influence on cardiovascular mortality in the most deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the most deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the most deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the most deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The most deprivation indicates NZDep2013 equals 9 or 10.


## Figure-S21 Age-period-cohort influence on cardiovascular mortality in not-current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the not-current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the not-current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the not-current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S22 Age-period-cohort influence on cardiovascular mortality in current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S23 Age-period-cohort influence on cardiovascular mortality in non-obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the non-obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the non-obese diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the non-obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S24 Age-period-cohort influence on cardiovascular mortality in obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular mortality in the obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular mortality (relative to reference birth cohort 1960) in the obese diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular mortality (relative to reference year 2013) in the obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S25 Age-period-cohort influence on cancer mortality in all diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S26 Age-period-cohort influence on cancer mortality in female diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in female diabetes population by age (35-85) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in female diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in female diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively,


## Figure-S27 Age-period-cohort influence on cancer mortality in male diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in male diabetes population by age (35-85) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in male diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in male diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S28 Age-period-cohort influence on cancer mortality in the least deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The least deprivation indicates NZDep2013 equals 1 or 2.

Cancer Mortality, least deprivation


## Figure-S29 Age-period-cohort influence on cancer mortality in the diabetes population with IMD equals 2: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD was defined as NZDep2013 equals 3 or 4.


## Figure-S30 Age-period-cohort influence on cancer mortality in the diabetes population with IMD equals 3: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=3$ was defined as NZDep2013 equals 5 or 6 .


## Figure-S31 Age-period-cohort influence on cancer mortality in the diabetes population with IMD equals 4: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively,
IMD indicates index of multiple deprivation. IMD=4 was defined as NZDep2013 equals 7 or 8 .


## Figure-S32 Age-period-cohort influence on cancer mortality in the most deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the most deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the most deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the most deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The most deprivation indicates NZDep2013 equals 9 or 10.

Cancer Mortality, most deprivation


## Figure-S33 Age-period-cohort influence on cancer mortality in not-current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the not-current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the not-current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the not-current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S34 Age-period-cohort influence on cancer mortality in current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
Cancer mortality, curremt smoker


## Figure-S35 Age-period-cohort influence on cancer mortality in non-obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the non-obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the non-obese diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the non-obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
Cancer mortality, non obese


## Figure-S36 Age-period-cohort influence on cancer mortality in obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer mortality in the obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer mortality (relative to reference birth cohort 1960) in the obese diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer mortality (relative to reference year 2013) in the obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S37 Age-period-cohort influence on cardiovascular hospitalisation in all diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S38 Age-period-cohort influence on cardiovascular hospitalisation in female diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in female diabetes population by age (35-85) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in female diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in female diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S39 Age-period-cohort influence on cardiovascular hospitalisation in male diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in male diabetes population by age (35-85) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in male diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in male diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S40 Age-period-cohort influence on cardiovascular hospitalisation in the least deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (19101980) with adjustment of age and period effects.

Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The least deprivation indicates NZDep2013 equals 1 or 2.


## Figure-S41 Age-period-cohort influence on cardiovascular hospitalisation in the diabetes population with IMD equals 2: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (19101980) with adjustment of age and period effects.

Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=2$ was defined as NZDep2013 equals 3 or 4 .
Cardiovascular Hospitalisation, IMD2


## Figure-S42 Age-period-cohort influence on cardiovascular hospitalisation in the diabetes population with IMD equals 3: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (19101980) with adjustment of age and period effects.

Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=3$ was defined as NZDep2013 equals 5 or 6 .


## Figure-S43 Age-period-cohort influence on cardiovascular hospitalisation in the diabetes population with IMD equals 4: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (19101980) with adjustment of age and period effects.

Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD=4 was defined as NZDep2013 equals 7 or 8 .


## Figure-S44 Age-period-cohort influence on cardiovascular hospitalisation in the most deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the most deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the most deprived diabetes population by birth year (19101980) with adjustment of age and period effects.

Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the most deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The most deprivation indicates NZDep2013 equals 9 or 10.

Cardiovascular Hospitalisation, most deprivation


## Figure-S45 Age-period-cohort influence on cardiovascular hospitalisation in not-current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the not-current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects. Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the not-current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the not-current smoking diabetes population by calendar year (1994-
2018) with adjustment of age and birth cohort effects.

Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S46 Age-period-cohort influence on cardiovascular hospitalisation in current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S47 Age-period-cohort influence on cardiovascular hospitalisation in non-obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the non-obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the non-obese population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the non-obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S48 Age-period-cohort influence on cardiovascular hospitalisation in obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cardiovascular hospitalisation in the obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference birth cohort 1960) in the obese population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cardiovascular hospitalisation (relative to reference year 2013) in the obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S49 Age-period-cohort influence on cancer hospitalisation in all diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S50 Age-period-cohort influence on cancer hospitalisation in female diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in female diabetes population by age (35-85) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in female diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in female diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S51 Age-period-cohort influence on cancer hospitalisation in male diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in male diabetes population by age (35-85) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in male diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in male diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S52 Age-period-cohort influence on cancer hospitalisation in the least deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The least deprivation indicates NZDep2013 equals 1 or 2.

Cancer Hospitalisation, least deprived


## Figure-S53 Age-period-cohort influence on cancer hospitalisation in the diabetes population with IMD equals 2: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=2$ was defined as NZDep2013 equals 3 or 4 .


## Figure-S54 Age-period-cohort influence on cancer hospitalisation in the diabetes population with IMD equals 3: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=3$ was defined as NZDep2013 equals 5 or 6 .


## Figure-S55 Age-period-cohort influence on cancer hospitalisation in the diabetes population with IMD equals 4: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD=4 was defined as NZDep2013 equals 7 or 8 .


## Figure-S56 Age-period-cohort influence on cancer hospitalisation in the most deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the most deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the most deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the most deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The most deprivation indicates NZDep2013 equals 9 or 10.


## Figure-S57 Age-period-cohort influence on cancer hospitalisation in not-current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the not-current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the not-current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the not-current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S58 Age-period-cohort influence on cancer hospitalisation in current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S59 Age-period-cohort influence on cancer hospitalisation in non-obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the non-obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the non-obese diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the non-obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
Cancer hospitalisation, non obese


## Figure-S60 Age-period-cohort influence on cancer hospitalisation in obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of cancer hospitalisation in the obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for cancer hospitalisation (relative to reference birth cohort 1960) in the obese diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S61 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in all diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for ESRD hospitalisation (relative to reference year 2013) by calendar year (1994-2018) with adjustment of age and birth cohort effects. Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S62 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in female diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation in female diabetes population by age (35-85) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in female diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for ESRD hospitalisation (relative to reference year 2013) in female diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S63 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in male diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation in male diabetes population by age (35-85) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in male diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for ESRD hospitalisation (relative to reference year 2013) in male diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


## Figure-S64 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in the least deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The least deprivation indicates NZDep2013 equals 1 or 2.


Figure-S65 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in the diabetes population with IMD equals 2: DCSS, 1994-2018
Left panel: adjusted rates of ESRD hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=2$ was defined as NZDep2013 equals 3 or 4 .
ESRD Hospitalisation, IMD2


## Figure-S66 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in the diabetes population with IMD equals 3: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD $=3$ was defined as NZDep2013 equals 5 or 6 .


Figure-S67 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in the diabetes population with IMD equals 4: DCSS, 1994-2018
Left panel: adjusted rates of ESRD hospitalisation in the least deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the least deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the least deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
IMD indicates index of multiple deprivation. IMD=4 was defined as NZDep2013 equals 7 or 8 .


## Figure-S68 Age-period-cohort influence on end-stage renal disease hospitalisation in the most deprived diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation in the most deprived diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the most deprived diabetes population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for cancer hospitalisation (relative to reference year 2013) in the most deprived diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
The most deprivation indicates NZDep2013 equals 9 or 10.


Figure-S69 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in not-current smoking diabetes population: DCSS, 1994-2018
Left panel: adjusted rates of ESRD hospitalisation in the not-current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the not-current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for ESRD hospitalisation (relative to reference year 2013) in the not-current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
ESRD hospitalisation, Not curremt smoker


## Figure-S70 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in current smoking diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation in the current smoking diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the current smoking population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for ESRD hospitalisation (relative to reference year 2013) in the current smoking diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
ESRD hospitalisation, curremt smoker


## Figure-S71 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in non-obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation in the non-obese diabetes population by age (35-84) with adjustment of period and birth cohort effects.
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the non-obese population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for ESRD hospitalisation (relative to reference year 2013) in the non-obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.
ESRD hospitalisation, non obese



## Figure-S72 Age-period-cohort influence on end-stage renal disease (ESRD) hospitalisation in obese diabetes population: DCSS, 1994-2018

Left panel: adjusted rates of ESRD hospitalisation in the obese diabetes population by age (35-84) with adjustment of period and birth cohort effects
Middle panel: adjusted rates ratio for ESRD hospitalisation (relative to reference birth cohort 1960) in the obese population by birth year (1910-1980) with adjustment of age and period effects.
Right panel: adjusted rates ratio for ESRD hospitalisation (relative to reference year 2013) in the obese diabetes population by calendar year (1994-2018) with adjustment of age and birth cohort effects.
Solid line indicates point estimations and dash line indicates $95 \%$ confidence interval.
Yellow, blue and red line represents European, Māori and Pacific ethnicity, respectively.


