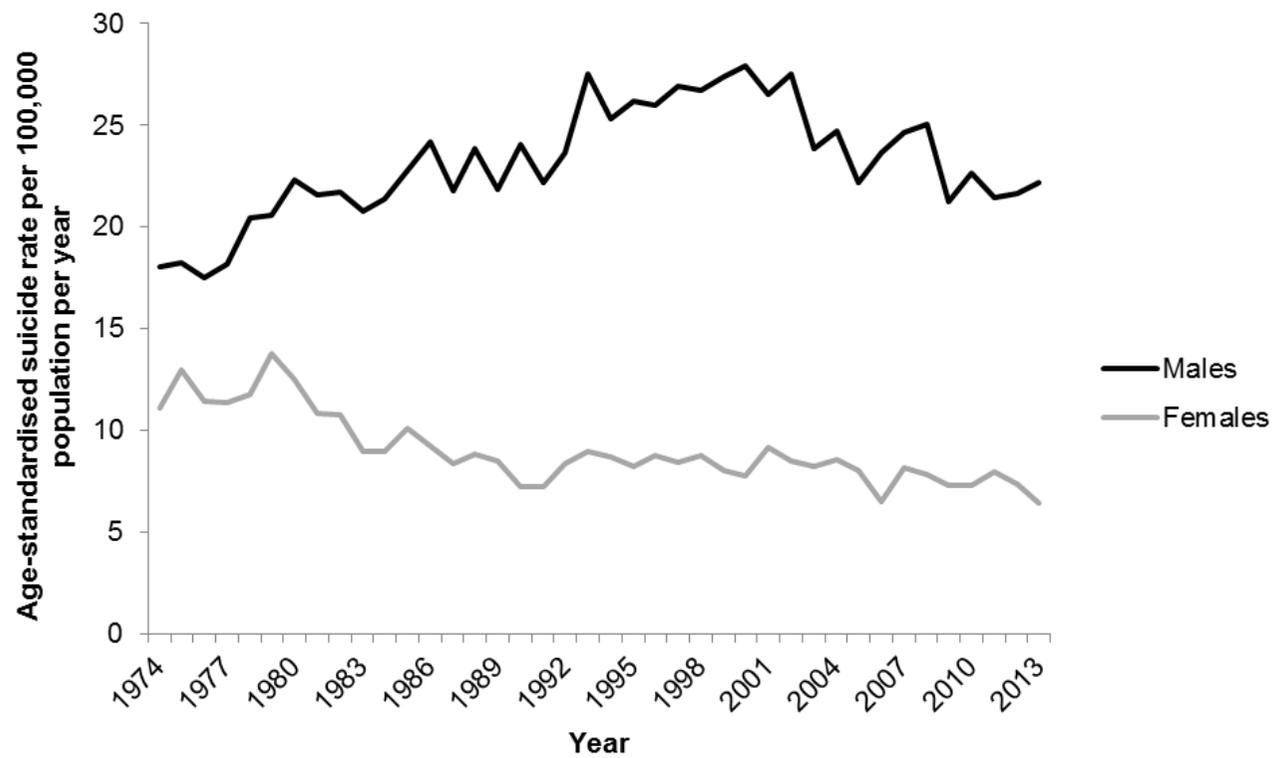
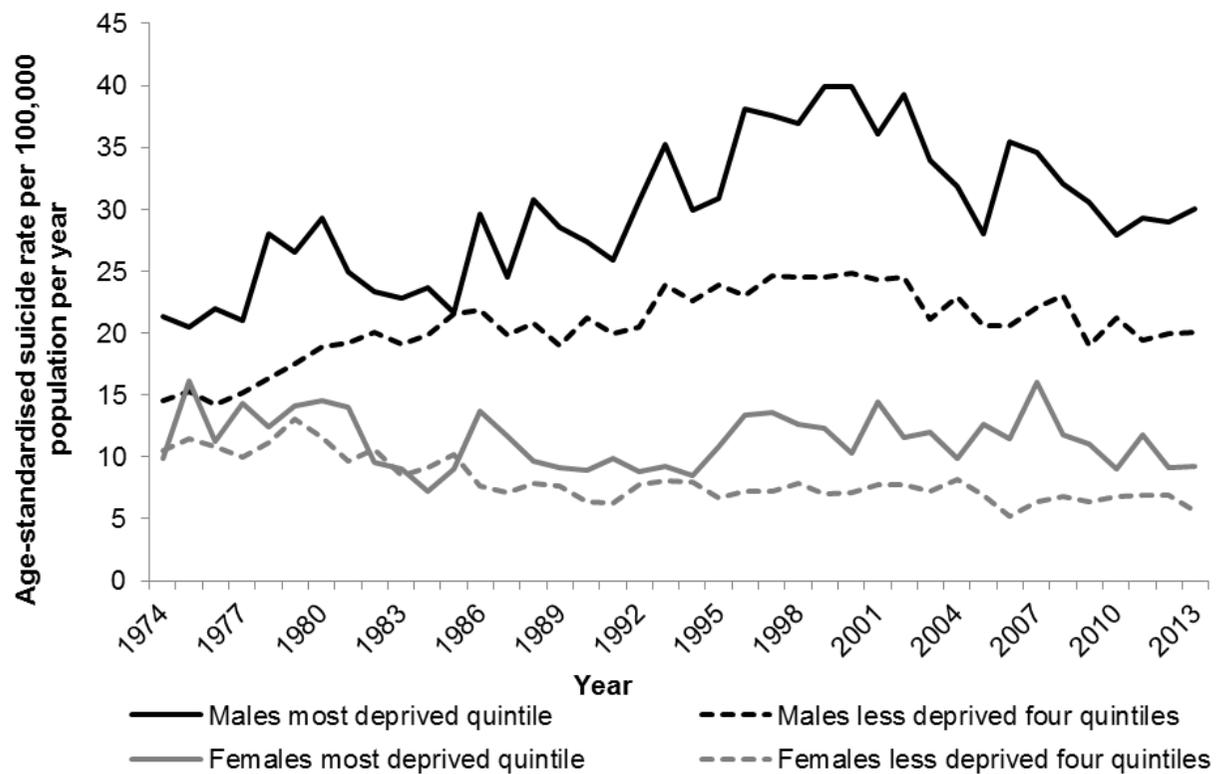


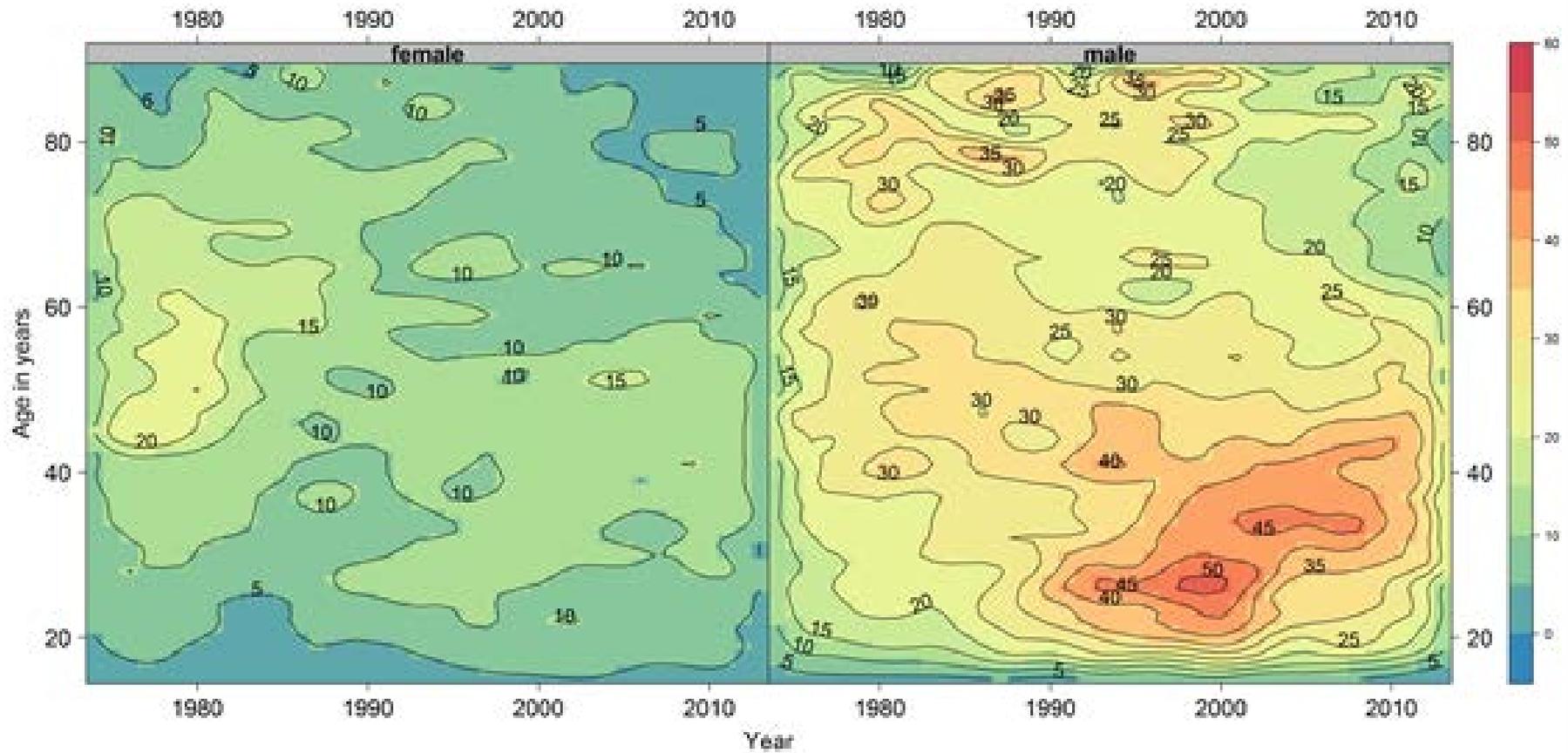
**Supplementary Figure S1** European age-standardised suicide rate per 100,000 population per year in Scotland, 1974-2013, by sex.



**Supplementary Figure S2** European age-standardised suicide rate per 100,000 population per year in Scotland, 1974-2013, by sex and deprivation.

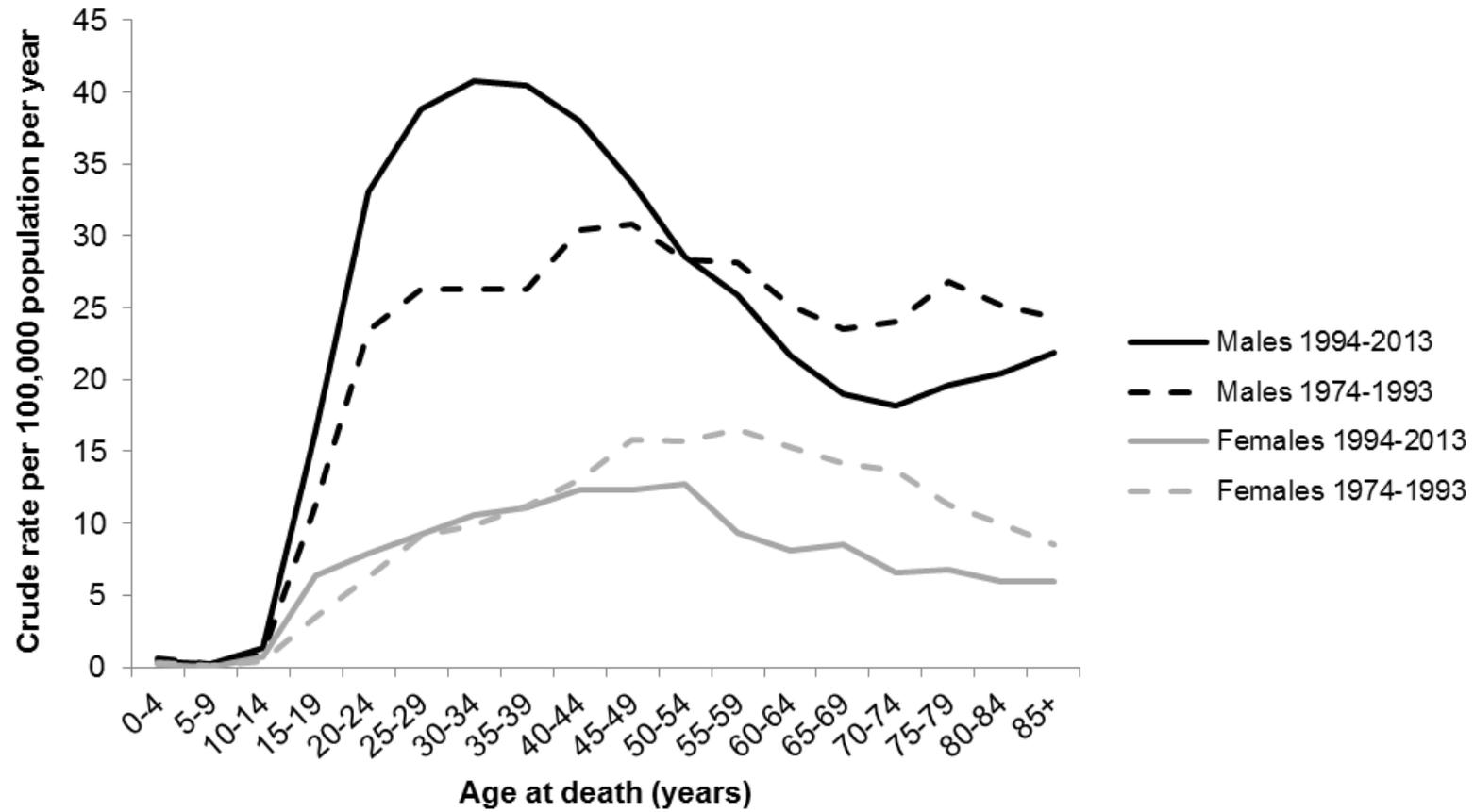


**Supplementary Figure S3** Smoothed shaded contour plot of age-year specific crude suicide rates per 100,000 population in Scotland for each single age from 15 to 89 years and each year from 1974-2013 stratified by sex.\*



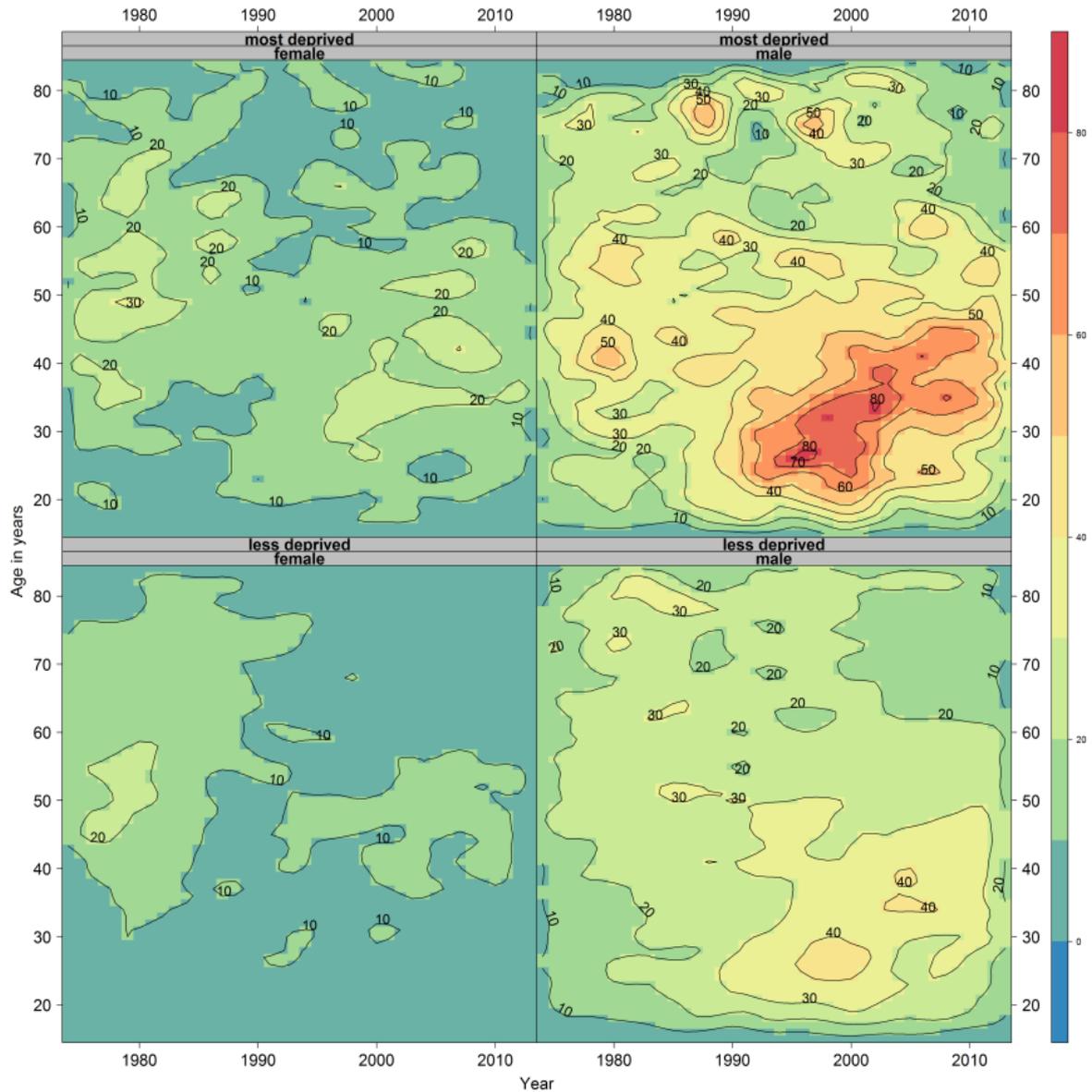
\* The colour and contour labels indicate the number of suicides per 100,000 for each single age and year.

**Supplementary Figure S4** Age distribution of crude suicide rates per 100,000 population per year in Scotland over periods 1974-1993 and 1994-2013 combined data by sex.\*

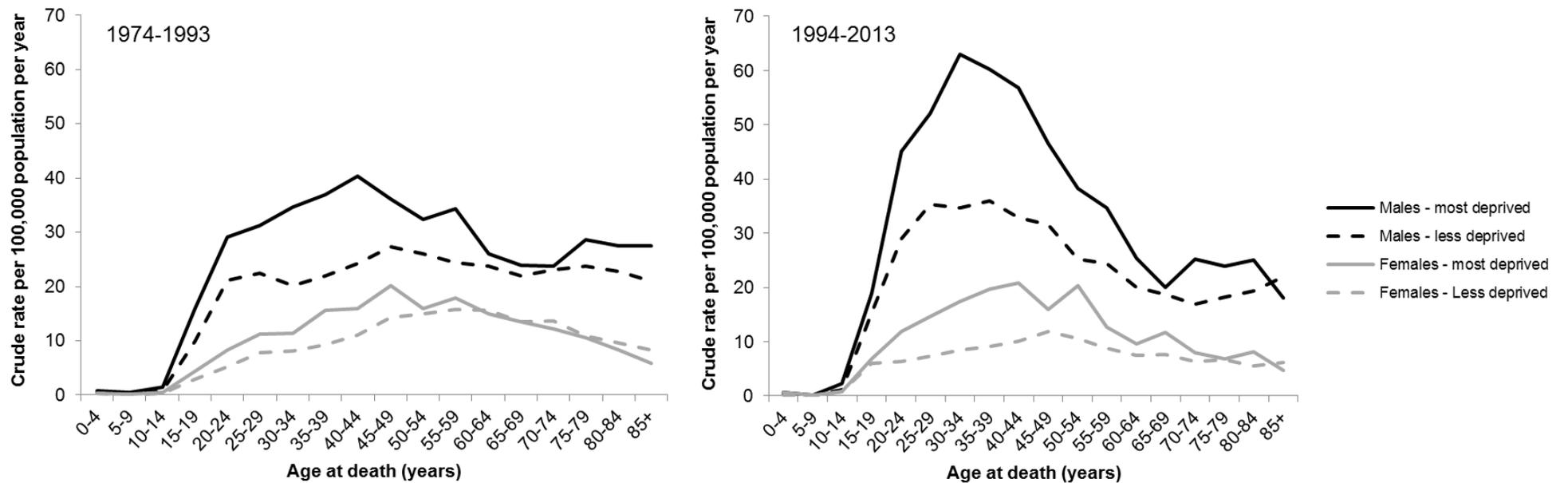


\* These age profiles show general trends with age across two time periods 1974-1993 and 1994-2013 and will have been affected by any age-period-cohort effects occurring during those periods.

**Supplementary Figure S5** Smoothed shaded contour plot of age-year specific crude suicide rates per 100,000 population in Scotland for each single age from 15 to 84 years and each year from 1974-2013, stratified by sex and deprivation (most deprived fifth and less deprived four fifths).

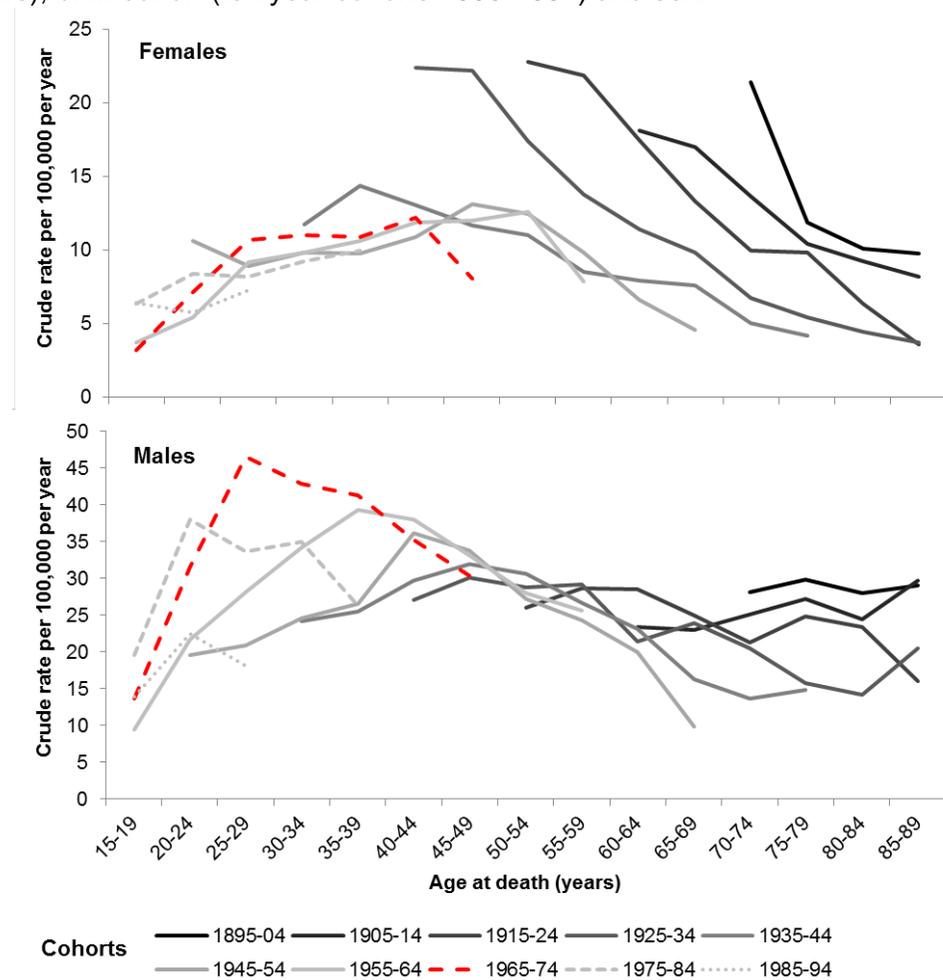


**Supplementary Figure S6** Age distribution of crude suicide rates per 100,000 population per year in Scotland over periods 1974-1993 and 1994-2013 combined data by sex and Carstairs.\*



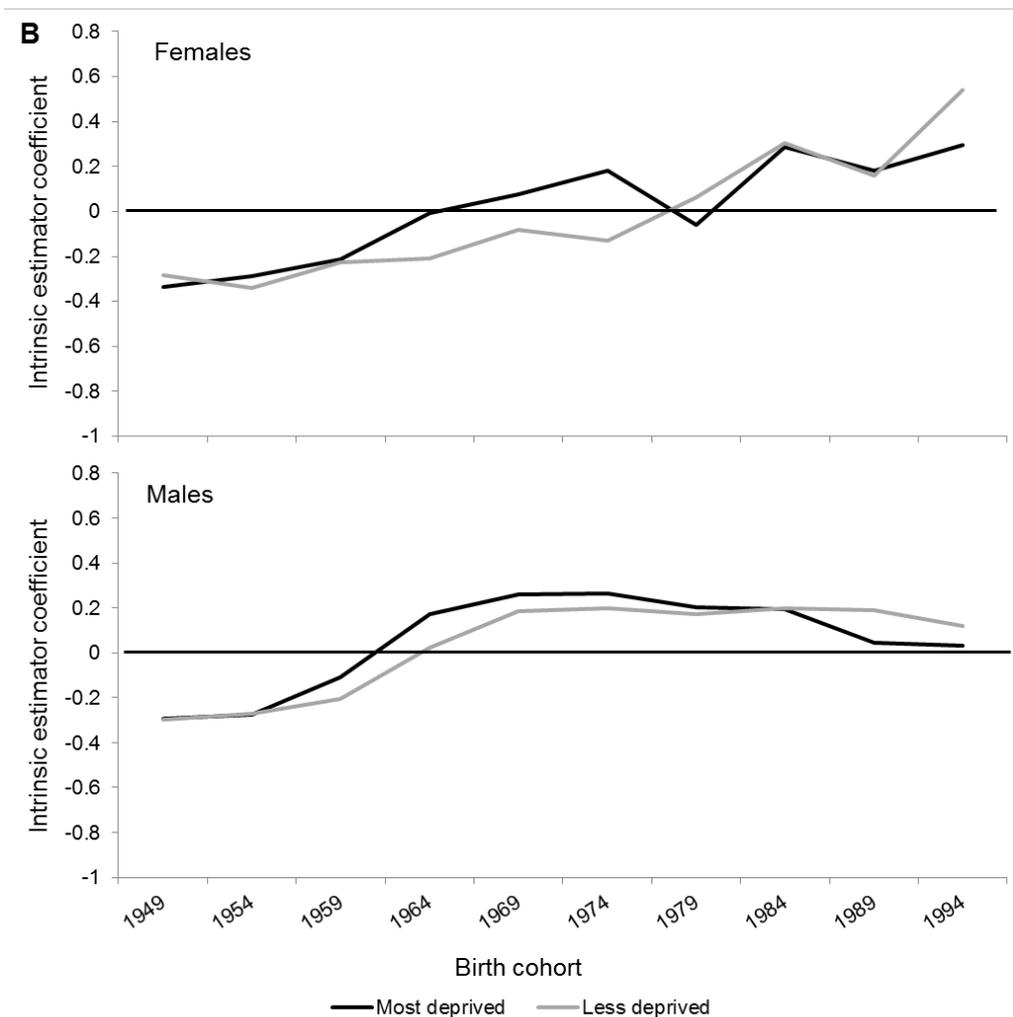
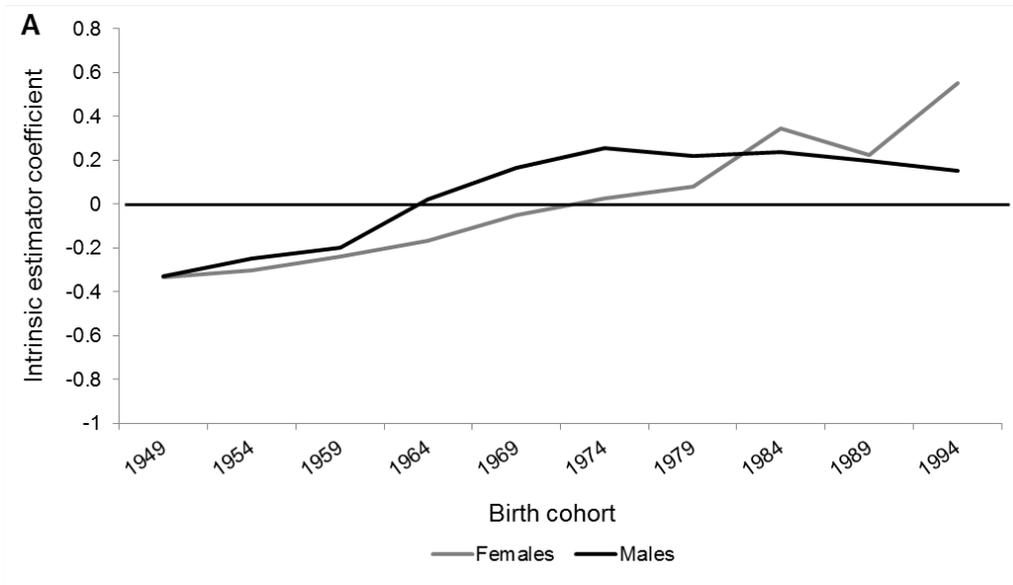
\* These age profiles show general trends with age across two time periods 1974-1993 and 1994-2013 and will have been affected by any age-period-cohort effects occurring during those periods.

**Supplementary Figure S7** Crude suicide rate per 100,000 population per year in Scotland by age (five year age groups, for ages 15-89 years), birth cohort (ten year cohorts 1895-1994) and sex.\*

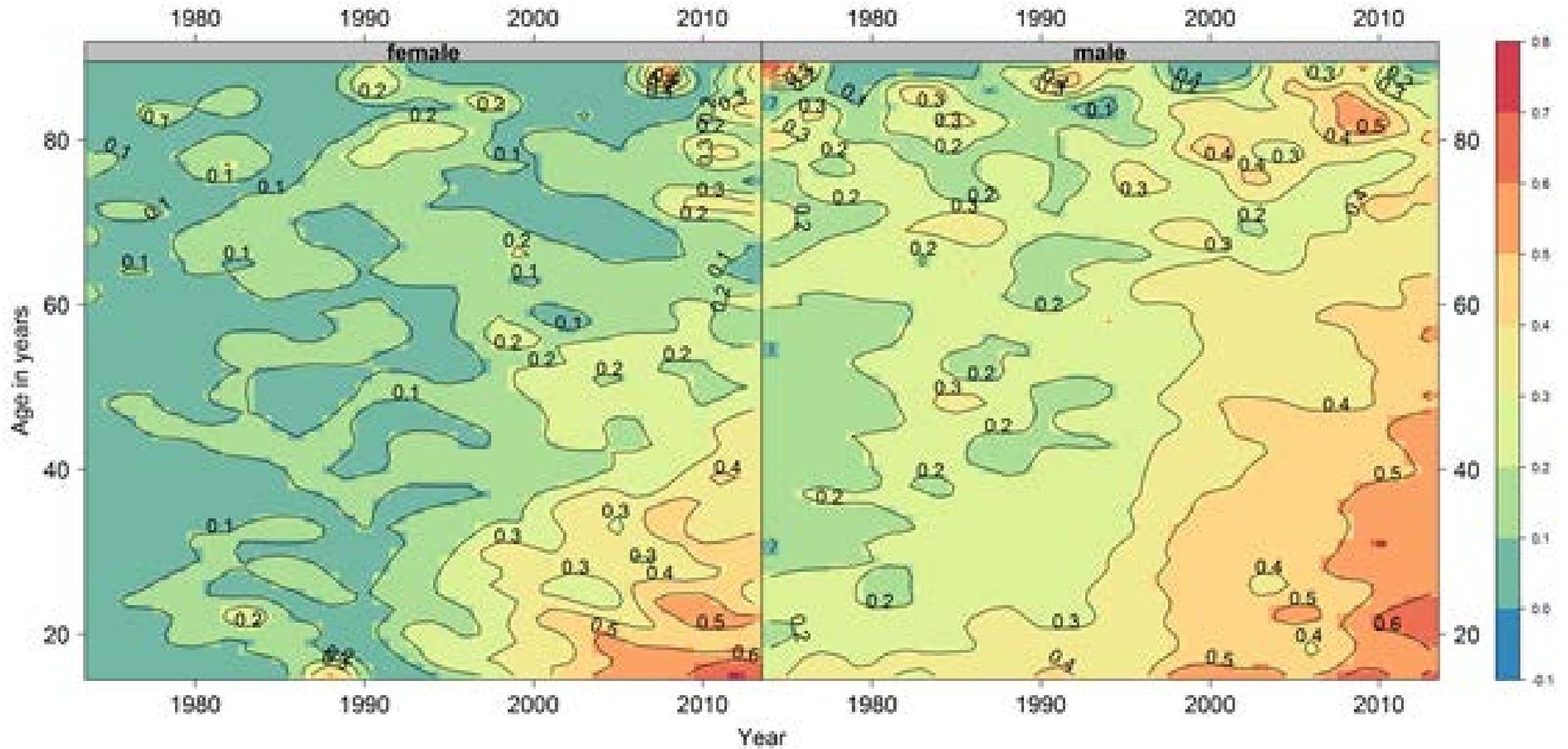


\* The 1965-1974 cohort identified from SCPs as that most affected by a cohort effect is identified in red and large dashes.

**Supplementary Figure S8** Intrinsic Estimator coefficients for birth cohort effects for suicide in cohorts 1949-1994 Scotland stratified by (A) sex and (B) sex and deprivation.

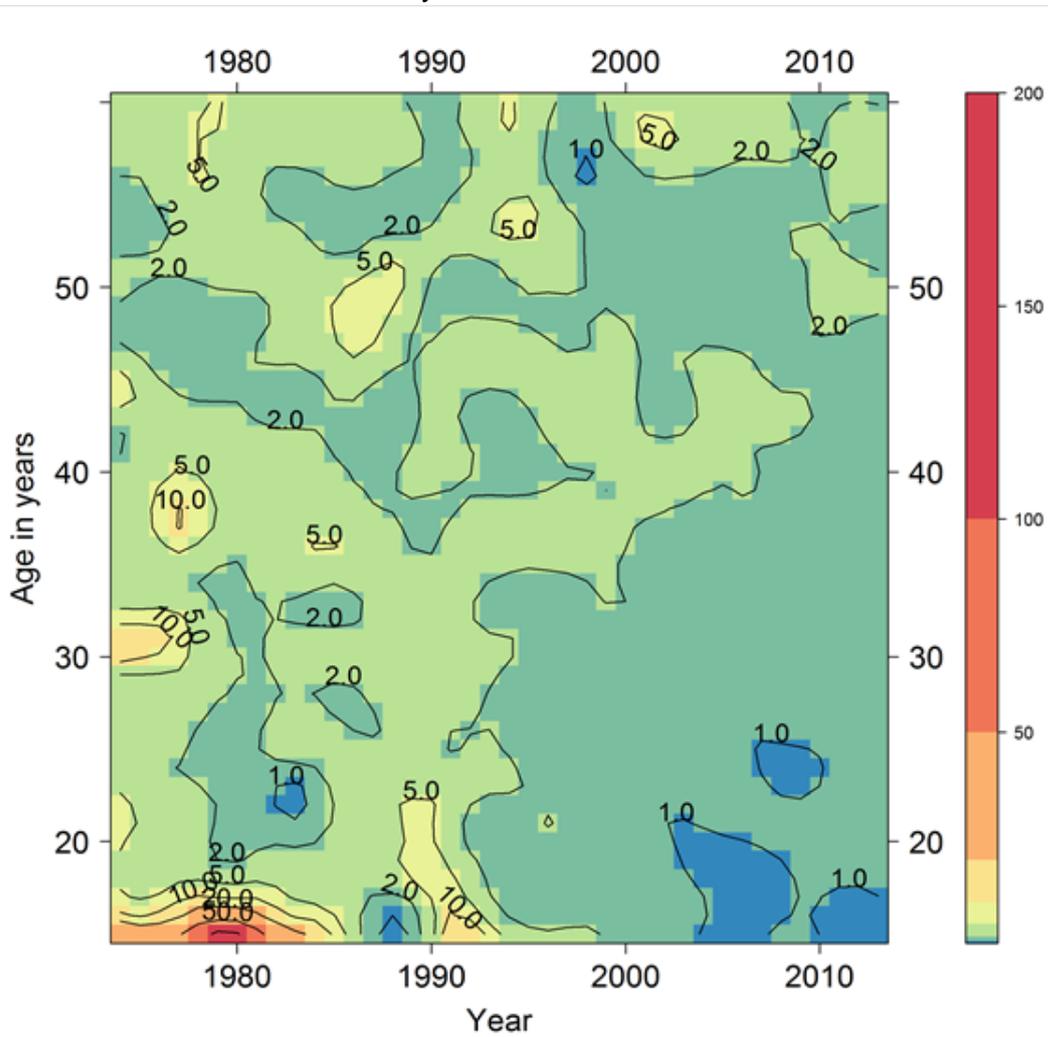


**Supplementary Figure 9** Smoothed shaded contour plot of ratio of age-year specific crude hanging/strangulation/suffocation rates per 100,000 population to age-year specific crude suicide rates in Scotland for each single age from 15-89 years and each year from 1974-2013 stratified by sex.\*



\* The contour lines show the proportion of suicides that are by hanging/strangulation/suffocation.

**Supplementary Figure 10** Smoothed shaded contour plot of ratio of male and females ratios of age-year specific crude hanging/strangulation/suffocation rates per 100,000 population to age-year specific crude suicide rates in Scotland for each single age from 15-60 years and each year from 1974-2013 stratified by sex.\*



\* The contour line shows the ratio of male to female proportions of suicides that are by hanging/strangulation/suffocation.