# Table 1. Detail HR estimates for Cox regression models with time-varying coefficients (Black vs white)

|  |  |  |  |
| --- | --- | --- | --- |
| Diagnostic period | Cause of death | Time interval（years） | HR (95%CI) |
| 1995-2019 | Overall | (0,2] | 1·63 (1·57-1·69) |
| 1995-2019 | Overall | (2,4] | 1·45 (1·39-1·50) |
| 1995-2019 | Overall | (4,6] | 1·43 (1·38-1·49) |
| 1995-2019 | Causes other than prostate cancer | (0,2] | 1·57 (1·50-1·65) |
| 1995-2019 | Causes other than prostate cancer | (2,4] | 1·42 (1·36-1·49) |
| 1995-2019 | Causes other than prostate cancer | (4,6] | 1·40 (1·33-1·47) |
| 1995-2019 | CVD | (0,2] | 1·64 (1·53-1·76) |
| 1995-2019 | CVD | (2,4] | 1·50 (1·39-1·61) |
| 1995-2019 | CVD | (4,6] | 1·59 (1·47-1·71) |
| 1995-99 | Overall | (0,2] | 1·67 (1·56-1·79) |
| 1995-99 | Overall | (2,4] | 1·50 (1·40-1·62) |
| 1995-99 | Overall | (4,6] | 1·39 (1·29-1·50) |
| 1995-99 | Causes other than prostate cancer | (0,2] | 1·62 (1·48-1·78) |
| 1995-99 | Causes other than prostate cancer | (2,4] | 1·48 (1·35-1·62) |
| 1995-99 | Causes other than prostate cancer | (4,6] | 1·36 (1·24-1·50) |
| 1995-99 | CVD | (0,2] | 1·65 (1·45-1·88) |
| 1995-99 | CVD | (2,4] | 1·46 (1·27-1·67) |
| 1995-99 | CVD | (4,6] | 1·42 (1·24-1·63) |
| 2000-04 | Overall | (0,2] | 1·72 (1·59-1·85) |
| 2000-04 | Overall | (2,4] | 1·49 (1·38-1·61) |
| 2000-04 | Overall | (4,6] | 1·49 (1·38-1·62) |
| 2000-04 | Causes other than prostate cancer | (0,2] | 1·69 (1·53-1·86) |
| 2000-04 | Causes other than prostate cancer | (2,4] | 1·44 (1·31-1·59) |
| 2000-04 | Causes other than prostate cancer | (4,6] | 1·46 (1·33-1·60) |
| 2000-04 | CVD | (0,2] | 1·75 (1·52-2·02) |
| 2000-04 | CVD | (2,4] | 1·47 (1·27-1·71) |
| 2000-04 | CVD | (4,6] | 1·74 (1·50-2·01) |
| 2005-09 | Overall | (0,2] | 1·61 (1·49-1·75) |
| 2005-09 | Overall | (2,4] | 1·45 (1·34-1·56) |
| 2005-09 | Overall | (4,6] | 1·46 (1·35-1·58) |

Abbreviations: CI=confidence interval. CVD=cardiovascular disease.

# Table 2. Detail HR estimates for Cox regression models with time-varying coefficients (API vs white)

|  |  |  |  |
| --- | --- | --- | --- |
| Diagnostic period | Cause of death | Time interval（years） | HR (95%CI) |
| 2015-19 | Overall | (0,2] | 0·83 (0·74-0·94) |
| 2015-19 | Overall | (2,4] | 1·01 (0·86-1·19) |
| 2015-19 | Overall | (4,5) | 0·86 (0·47-1·56) |
| 2015-19 | Prostate cancer | (0,2] | 0·82 (0·70-0·96) |
| 2015-19 | Prostate cancer | (2,4] | 1·04 (0·83-1·31) |
| 2015-19 | Prostate cancer | (4,5) | 1·28 (0·58-2·86) |

Abbreviations: CI=confidence interval. API=Asian or Pacific Islander.

Table 3. Detail HR estimates for Cox regression models with time-varying coefficients (AI/AN vs white)

|  |  |  |  |
| --- | --- | --- | --- |
| Diagnostic period | Cause of death | Time interval（years） | HR (95%CI) |
| 1995-2019 | Overall | (0,2] | 1·78 (1·56-2·04) |
| 1995-2019 | Overall | (2,4] | 1·44 (1·23-1·68) |
| 1995-2019 | Overall | (4,6] | 1·72 (1·47-2·00) |
| 2010-14 | Overall | (0,2] | 1·90 (1·42-2·53) |
| 2010-14 | Overall | (2,4] | 1·79 (1·32-2·42) |
| 2010-14 | Overall | (4,6] | 2·00 (1·48-2·70) |

Abbreviations: CI=confidence interval. AI/AN=American Indian/Alaska Native.

# Table 4. Detail HR estimates for Cox regression models with time-varying coefficients (Hispanic vs white)

|  |  |  |  |
| --- | --- | --- | --- |
| Diagnostic period | Cause of death | Time interval（years） | HR (95%CI) |
| 1995-2019 | Overall | (0,2] | 1·09 (1·05-1·14) |
| 1995-2019 | Overall | (2,4] | 1·00 (0·95-1·04) |
| 1995-2019 | Overall | (4,6] | 0·98 (0·94-1·03) |
| 1995-2019 | Prostate cancer | (0,2] | 1·28 (1·21-1·36) |
| 1995-2019 | Prostate cancer | (2,4] | 1·16 (1·09-1·24) |
| 1995-2019 | Prostate cancer | (4,6] | 1·21 (1·12-1·31) |
| 1995-99 | Overall | (0,2] | 1·12 (1·03-1·23) |
| 1995-99 | Overall | (2,4] | 1·02 (0·94-1·12) |
| 1995-99 | Overall | (4,6] | 1·05 (0·96-1·15) |
| 2000-04 | Overall | (0,2] | 1·12 (1·02-1·22) |
| 2000-04 | Overall | (2,4] | 0·99 (0·91-1·08) |
| 2000-04 | Overall | (4,6] | 1·06 (0·98-1·16) |

**Abbreviations: CI=confidence interval.**