Supplement 1: Descriptive statistics and incidence rate ratio estimates by different cut-off of pre-intervention period, Bridge B, United States

|  |  |  |
| --- | --- | --- |
| Pre-intervention Period | Post-intervention Period | RR[95% CI] |
| Days[Period] | Suicides | Days[Period] | Suicides |
| 8,094[Jan 1 1997 – Feb 28 2019] | 209 | 1,402 [Mar 1 2019 – Jun 30 2021] | 44 | 1.22[0.88 - 1.68] |
| 6,999[Jan 1 2000 – Feb 28 2019] | 193 | 1,402 [Mar 1 2019 – Jun 30 2021] | 44 | 1.14[0.82 - 1.58] |
| 3,346[Jan 1 2010 – Feb 28 2019] | 133 | 1,402[Mar 1 2019 – Dec 31 2022] | 44 | 0.79[0.56 – 1.11] |

Note) RR = Rate Ratio, 95% CI = 95% Confidence Interval.

Supplement 2: Descriptive statistics and incidence rate ratio estimates by different cut-off of pre-intervention period, Bridge C, United States

|  |  |  |
| --- | --- | --- |
| Pre-intervention Period | Post-intervention Period | RR[95% CI] |
| Days[Period] | Suicides | Days[Period] | Suicides |
| 2,404 (Period 1)[Jan 1 2011 – July 31 2017] | 19 | 426 (Period 2)[Mar 1 2019 – Sep 30 2019] | 5 | 1·49[0.55 - 3.98] |
| 2,830 (Period 1 + 2)[Jan 1 2011 – Sep 30 2019] | 24 | 996 (Period 3)[Oct 1 2019 – Jun 22 2022] | 7 | 0·83[0.36 – 1.92] |
| 2,404 (Period 1)[Jan 1 2011 – July 31 2017] | 19 | 996 (Period 3)[Oct 1 2019 – Jun 22 2022] | 7 | 0.89[0.37 - 2.12] |

Note 1) RR = Rate Ratio, 95% CI = 95% Confidence Interval.

Note 2) Period 1 refers to time span without fence, period 2 refers to time span with partial fences at alcoves and period 3 refers to time span with fully covering fence on the bridge.