Supplementary material

Title: Suicides from 2016 to 2020 in Finland and the effect of the COVID-19 pandemic

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Table S2. Incidence Rate Ratio (IRR) and the 95% Confidence Interval (95% CI) from Poisson regression models for the year, seasonal effects, COVID-19 period, and time elapsed since the onset of the COVID-19 period on the number of monthly deaths from suicide in Finland from 2016 to 2020.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Model 1 |  | Model 2 |
|  |  | IRR (95% CI) | p |  | IRR (95% CI) | p |
|  |  |  |  |  |  |  |
| Men |  |  |  |  |  |  |
|  Year |  | 0.96 (0.93-0.99) | 0.023 |  | 0.96 (0.93-0.99) | 0.023 |
|  Seasonal effects |  |  |  |  |  |  |
|  Sine function1 |  | 1.00 (0.95-1.05) | 0.961 |  | 0.98 (0.93-1.04) | 0.556 |
|  Cosine function2 |  | 0.93 (0.88-0.97) | 0.003 |  | 0.94 (0.89-0.99) | 0.019 |
|  COVID-19 period3 |  | 0.96 (0.84-1.10) | 0.560 |  | 1.11 (0.91-1.36) | 0.303 |
|  Time since the onset of the COVID-19 period4 |  |  |  |  | 0.97 (0.93-1.00) | 0.068 |
|  |  |  |  |  |  |  |
| Women |  |  |  |  |  |  |
|  Year |  | 1.01 (0.96-1.07) | 0.678 |  | 1.01 (0.96-1.07) | 0.677 |
|  Seasonal effects |  |  |  |  |  |  |
|  Sine function1 |  | 0.95 (0.87-1.05) | 0.316 |  | 0.94 (0.86-1.04) | 0.210 |
|  Cosine function2 |  | 0.95 (0.87-1.05) | 0.315 |  | 0.97 (0.88-1.06) | 0.492 |
|  COVID-19 period3 |  | 0.85 (0.68-1.07) | 0.164 |  | 0.98 (0.69-1.40) | 0.917 |
|  Time since the onset of the COVID-19 period4 |  |  |  |  | 0.97 (0.91-1.03) | 0.314 |
|  |  |  |  |  |  |  |

1 Term sin(2πt/12) where t: January t = 1, February t = 2, etc.

2 Term cos(2πt/12) where t: January t = 1, February t = 2, etc.

3 Coded as 1 from March 2020 to December 2020, otherwise as zero.

4 April 2020 = 1, May 2020 = 2, etc., December 2020 = 9, otherwise as zero.