**S3 Table. Negative binomial model incidence rate ratios.**

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| --- | --- | --- | --- |
|  | **Public** | **Private** | **All visits** |
|  | **IRR**  | **CI**  | **IRR**  | **CI**  | **IRR**  | **CI**  |
| Intercept  | 0.88  | (0.83, 0.93)  | 0.17  | (0.16, 0.19)  | 0.94  | (0.91, 0.98)  |
| Education |
| Upper tertiary  | 1.00  | (0.94, 1.05)  | 1.68  | (1.60, 1.77)  | 1.28  | (1.24, 1.33)  |
| Lower tertiary  | 1.16  | (1.11, 1.21)  | 1.67  | (1.60, 1.74)  | 1.34  | (1.31, 1.38)  |
| Secondary  | 1.17  | (1.13, 1.22)  | 1.39  | (1.33, 1.44)  | 1.25  | (1.22, 1.28)  |
| Basic (ref.)  |  |  |  |  |  |  |
| Occupational class |
| U. non-manual employee  | 0.89  | (0.84, 0.94)  | 0.82  | (0.78, 0.87)  | 0.85  | (0.82, 0.87)  |
| L. non-manual employee  | 1.03  | (0.98, 1.08)  | 0.81  | (0.78, 0.85)  | 0.92  | (0.90, 0.95)  |
| Manual worker (ref.)  |  |  |  |  |  |  |
| Self-employed  | 0.68  | (0.64, 0.73)  | 1.36  | (1.28, 1.45)  | 1.01  | (0.97, 1.05)  |
| Unemployed  | 1.24  | (1.18, 1.32)  | 0.80  | (0.75, 0.84)  | 1.11  | (1.07, 1.15)  |
| Retired  | 1.37  | (1.29, 1.45)  | 0.87  | (0.82, 0.92)  | 1.15  | (1.11, 1.19)  |
| Other  | 1.01  | (0.92, 1.10)  | 0.83  | (0.76, 0.91)  | 0.97  | (0.92, 1.03)  |
| Income quantile |
| Quantile 5  | 0.76  | (0.72, 0.80)  | 3.33  | (3.16, 3.50)  | 1.56  | (1.51, 1.61)  |
| Quantile 4  | 0.96  | (0.92, 1.01)  | 2.48  | (2.37, 2.60)  | 1.41  | (1.37, 1.45)  |
| Quantile 3  | 1.03  | (0.98, 1.08)  | 2.02  | (1.93, 2.11)  | 1.31  | (1.28, 1.35)  |
| Quantile 2  | 1.05  | (1.01, 1.09)  | 1.49  | (1.43, 1.55)  | 1.14  | (1.11, 1.17)  |
| Quantile 1 (ref.)  |  |  |  |  |  |  |
| Sex |
| Male (ref.)  |  |  |  |  |  |  |
| Female  | 1.20  | (1.17, 1.23)  | 1.34  | (1.30, 1.37)  | 1.27  | (1.25, 1.30)  |
| Age group |
| 25-34 (ref.)  |  |  |  |  |  |  |
| 35-44  | 1.07  | (1.03, 1.12)  | 1.24  | (1.19, 1.29)  | 1.09  | (1.06, 1.12)  |
| 45-54  | 1.20  | (1.15, 1.25)  | 1.91  | (1.83, 1.99)  | 1.42  | (1.38, 1.45)  |
| 55-64  | 0.95  | (0.91, 0.99)  | 3.09  | (2.96, 3.22)  | 1.62  | (1.58, 1.66)  |
| 65-74  | 0.66  | (0.62, 0.71)  | 3.02  | (2.83, 3.21)  | 1.27  | (1.22, 1.32)  |
| > 74  | 0.52  | (0.48, 0.56)  | 2.36  | (2.20, 2.53)  | 0.98  | (0.93, 1.02)  |

Notes: The table shows the estimated incidence rate ratios (IRR) and 95% confidence intervals (CI). Study population: non-student (aged over 25) residents of Oulu in 2017–2018 (N = 118,397).