Supplementary Table 2: Scenario B estimates for fixed and random effects from multilevel linear regression analysis (random intercept model) for self-reported health as dependent variable and goodness-of-fit statistics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fixed effects | Coefficient | 95% CI | SE | p-value |
|  Intercept | 30.06 | 19.17; 41.93  | 5.99 | <.001 |
|  Sex: Female | 3.33 | 0.34; 5.95 | 1.45 | .022 |
|  Study (reference category: EMACROSS): EMASPOT | 9.44 | 6.41; 13.21 | 1.70 | <.001 |
|  Education (reference category: Primary level):  Secondary level Tertiary level | 0.920.74 | -2.42; 4.73-2.88; 4.90 | 1.842.02 | .617.714 |
|  Social contacts (reference category: None):  1-2 persons 3 or more persons | 6.355.44 | -0.79; 14.19-1.52; 13.19 | 3.863.79 | .100.152 |
|  Care dependency: Yes | -9.37 | -14.01; -4.95 | 2.33 | <.001 |
|  Migration background: Yes | 1.60 | -1.85; 5.18 | 1.81 | .377 |
|  Employment status (reference category: Employed):  Retired Not (regularly) employed Other | -2.70-7.27-2.31 | -7.16; 1.81-13.04; -1.99-9.64; 5.43 | 2.312.843.88 | .243.011.551 |
|  ED visit: Yes | -1.79 | -5.11; 1.46 | 1.69 | .292 |
|  Hospital stay: Yes | -5.36 | -9.06; -1.84 | 1.86 | .004 |
|  GP visit: Yes | 0.16 | -3.42; 3.95 | 1.90 | .932 |
|  MTS level: Non-urgent | 2.42 | -1.31; 5.55 | 1.74 | .165 |
|  Transportation to ED (reference category: Walk-in):  Non-urgent medically accompanied transport Emergency medical services EMS with emergency physician | -1.151.613.76 | -7.42; 4.19-1.64; 5.05-0.99; 8.62 | 2.971.732.47 | .698.350.128 |
|  Age (in years) | -0.11 | -0.26; 0.04 | 0.08 | .182 |
|  Life satisfaction | 2.28 | 1.70; 2.88 | 0.30 | <.001 |

|  |  |  |
| --- | --- | --- |
| Random effects | Variance Component | SD |
| Level-two variance: ED | 7.76 | 2.79 |
| Level-one variance:  | 441.75 | 21.02 |
| Marginal R2 (fixed effects): | 0.1890 |
| Conditional R2 (fixed and random effects): | 0.2030 |
| ICC: | 0.0438 |

Note: N=911; Level 2: n=8 emergency departments; CI confidence interval; SE standard error; SD standard deviation; ED emergency department; GP general practitioner; MTS Manchester Triage System; EMS emergency medical services; ICC intraclass correlation coefficient.