**SUPPLEMENTARY MATERIALS**

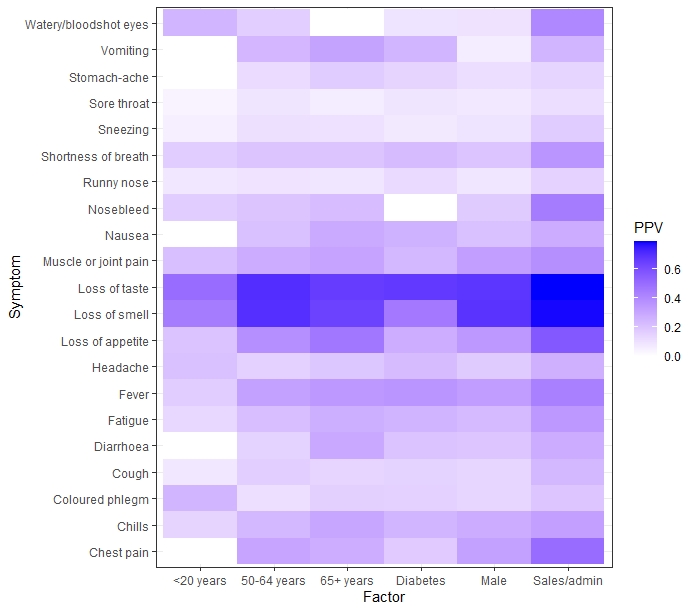
*Title:* Testing behaviour and positivity for SARS-CoV-2 infection: Insights from web-based participatory surveillance

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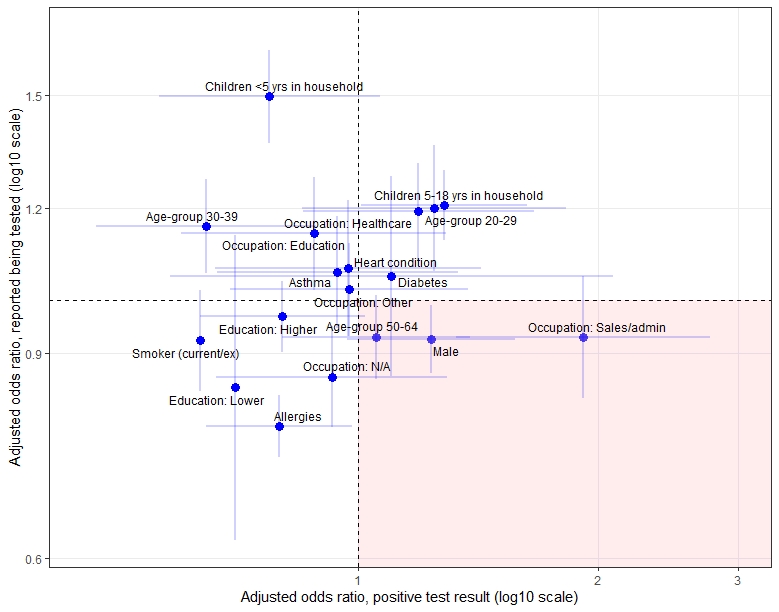
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**Fig. S1**. Heatmap showing positive predictive value (PPV) per symptom, among subpopulations corresponding to each of the six identified lower test propensity/higher positivity participant factors.



**Fig. S2**. Results of sensitivity analysis restricting to the approximate working age population (20-64 years). Adjusted ORs for test propensity and positivity, for the same participant factors, are shown (analysis period 17 November 2020 to 18 April 2021; *n*=41,017 surveys). Light blue crosses indicate the 95% CIs in each dimension. The shaded quadrant indicates the combination of interest: lower test propensity and higher positivity. *Lung condition* not shown (very low and uncertain OR (0.09, 95% CI: 0–38.9) for positivity).

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**Table S1**. Distribution of sex, age-group and education level, comparing Infectieradar participants (*n*=16,807) to the general population. Data for the year 2020 were obtained from Statistics Netherlands [1,2].

|  |  |  |
| --- | --- | --- |
| ***Variable* Group** | **Study population (%)** | **Netherlands population (%)** |
| *Age-group*  <20 years  20-29  30-39  40-49  50-64  65+  *Sex*  Male  Female  *Education level (15+ years old)*  None/primary  Middle  Higher | 2.3  7.0  13.1  18.4  38.2  21.0  42.8  57.2  2.3  36.3  61.4 | 21.7  12.8  12.3  12.7  21.0  19.5  49.7  50.3  30.9  36.7  32.4 |

1. Statistics Netherlands. Population; sex, age and martial status. <https://opendata.cbs.nl/statline/#/CBS/en/dataset/7461eng/table?ts=1615898674521>. Accessed 15 March 2021.

2. Statistics Netherlands. Bevolking; onderwijsniveau; geslacht, leeftijd en migratieachtergrond. <https://opendata.cbs.nl/statline/#/CBS/nl/dataset/82275NED/table?ts=1615899135543>. Accessed 15 March 2021.