

BMJ Open Behavioral factors associated with SARS-CoV-2 infection. Results from a web-based case-control survey in the Capital Region of Denmark

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ABSTRACT

Objective To study the association between behavioural factors and incidence rates of SARS-CoV-2 infection.

Design Case-control web-based questionnaire study.

Setting Questionnaire data were collected in the Capital Region of Denmark in December 2020 when limited restrictions were in place, while the number of daily SARS-CoV-2 cases increased rapidly.

Participants 8913 cases of laboratory-confirmed SARS-CoV-2 infection were compared with two groups of controls: (1) 34 063 individuals with a negative SARS-CoV-2 test from the same date (negative controls, NCs) and 2) 25 989 individuals who had never been tested for a SARS-CoV-2 infection (untested controls, UC). Controls were matched on sex, age, test date and municipality.

Exposure Activities during the 14 days prior to being tested positive for SARS-CoV-2 or during the same period for matched controls and precautions taken during the entire pandemic.

Main outcomes and measures SARS-CoV-2 infection incidence rate ratios (IRR).

Results Response rate was 41.4% (n=93 121). Using public transportation, grocery shopping (IRR: NC: 0.52; UC: 0.63) and outdoor sports activities (NC: 0.75; UC: 0.96) were not associated with increased rate of SARS-CoV-2 infection. Most precautions, for example, using hand sanitizer (NC: 0.79; UC: 0.98), physical distancing (NC: 0.79; UC: 0.82) and avoiding handshakes (NC: 0.74; UC: 0.77), were associated with a lower rate of infection. Activities associated with many close contacts, especially indoors, increased rate of infection. Except for working from home, all types of occupation were linked to increased rate of infection.

Conclusions In a community setting with moderate restrictions, activities such as using public transportation and grocery shopping with the relevant precautions were not associated with an increased rate of SARS-CoV-2 infection. Exposures and activities where safety measures are difficult to maintain might be important risk factors for infection. These findings may help public health authorities tailor their strategies for limiting the spread of SARS-CoV-2.

STRENGTHS AND LIMITATIONS OF THIS STUDY

- ⇒ This study had a large sample size of 68 965 Danish citizens, which provided precision and power to our findings.
- ⇒ Using a web-based questionnaire survey enables a large-scale collection of self-reported data, but data can be affected by recall and selection bias.
- ⇒ The confirmed SARS-CoV-2 positive cases were compared with two different groups of controls, matched on age, sex, municipality and test date.
- ⇒ Our results could be very dependent on the stage of the pandemic at the time and therefore cannot necessarily be extrapolated to other stages of the pandemic.
- ⇒ All of the analyses performed were exploratory, and no adjustment for multiple testing was made.

BACKGROUND

The rapid global spread of SARS-CoV-2, the novel virus causing COVID-19,¹⁻³ has created an unprecedented public health emergency worldwide. Non-pharmaceutical interventions have played an important role in the COVID-19 response and are likely to continue as the key interventions for the predictable future despite the promising advances in vaccination programmes. Optimally, these interventions should be based on evidence about transmission patterns of SARS-CoV-2. This evidence could help governments and public health authorities direct restrictions against sectors of the society where transmission of SARS-CoV-2 is high and scale down restrictions on low-transmission activities.

Viral transmission is influenced by contact patterns, environmental and socioeconomic factors.⁴ It can occur everywhere; however, some settings are more likely to increase the

risk of transmission due to a mixture of behavioural and environmental factors.⁵ Increased risk for SARS-CoV-2 transmission is reported in settings where there is close proximity contact, contact over an extended period of time or multiple contacts in a confined, poorly ventilated space.⁵ Evidence suggest that the risk of SARS-CoV-2 transmission is the highest in household settings, and that living in a multiple occupancy or overcrowded household elevates the risk of becoming infected.⁶ Working in healthcare has been associated with increased risk of SARS-CoV-2 infection.^{7,8} Also, specific community settings have been associated with an increased risk of infection. The starting point for large SARS-CoV-2 outbreaks has been identified and linked to hospitality venues such as restaurants, night clubs and bars.^{9–11} Occupational settings including factories, warehouses and educational institutions have also been reported as sites for SARS-CoV-2 outbreaks.¹² However, data about the role of community-related factors in facilitating transmission are still limited, despite being critical for designing evidence-based control measures for SARS-CoV-2 transmission.⁶

We investigated the association between behavioural factors and SARS-CoV-2 infection rate by means of a web-survey-based case-control study conducted in Denmark during a period of rapidly increasing infection rate.

METHODS

Study design and case definition

We conducted a web-survey-based retrospective case-control study in the Capital Region of Denmark. We invited 25 000 cases of laboratory-confirmed SARS-CoV-2 infection, tested from 2 November to 13 December 2020. A confirmed case of SARS-CoV-2 infection was defined by a positive result on a reverse transcription PCR (RT-PCR) assay of a specimen collected from the nasopharynx or oropharynx.¹³ SARS-CoV-2 positive cases were matched first with a control group of 100 000 cases who had a negative test performed the same day (denoted negative controls, NCs) and, second, with a randomly selected group of 99 689 people from the background population who had never been tested for SARS-CoV-2 infection (denoted untested controls, UCs). Controls were matched on sex, age and municipality, and the UCs were provided a 'test date' corresponding to the matched case. The overall response was moderate and to allow most cases to be matched with at least one control we rounded the matching age by 5 years and the test date by 5 days. The participants did not receive compensation.

Setting

During the study period of November and December 2020, the official restrictions instituted by the Danish authorities entailed a curfew for restaurants, cafés and bars to close at 22:00. Face masks were mandatory indoors in all public places, including in public transport and retail stores as well as in restaurants and bars when not sitting down. Public gatherings were allowed at a maximum of

10 people. Nightclubs were closed. Spectators at sporting events, concerts and religious services were restricted to a maximum of 500 people all facing the same direction. People were asked to practice 1 m physical distancing, work from home and limit the use of public transport. Meanwhile, the number of SARS-CoV-2 infected cases in Denmark increased from 1270 daily cases on 2 November to 3163 cases on 13 December 2020. The population of Denmark consisted of 5 837 213 individuals by the end of 2020.¹³

Data collection and sources

In December 2020 and January 2021, 224 689 participants over the age of 18 were asked to complete an online questionnaire. Participants were invited to participate in the web-survey via the secure digital platform, 'e-Boks'. The e-Boks is a secure national digital post box used by 92.1% of the Danish adult population by the second quarter of 2020.¹⁴ A list of SARS-CoV-2 positive individuals was obtained from the Danish Microbiology (MiBa) database, which holds data for all SARS-CoV-2 PCR tests in Denmark, provided by the Danish Health Data Authority.¹⁵ Invitations were sent to participants via e-Boks between 13 December 2020 and 2 January 2021 together with written project information and a link to a questionnaire on demographic data, known exposure to COVID-19, behavioural factors and symptomatology related to COVID-19. A reminder was sent to the non-respondents via e-Boks 24–28 days after the invitations were distributed. The last questionnaire was received digitally by 25 January 2021. The study was also presented on Danish national television and shared on several social media platforms prior to the distribution. The questionnaire was constructed and managed using REDCap electronic data capture tools hosted by the Capital Region of Denmark,^{16 17} and was tested on approximately 60 people without a healthcare background before distributing, to ensure that the questions were correctly understood. The survey data were linked to each participant's individual background data obtained from the Danish nationwide registries in the research environment of Statistics Denmark. The linkage was possible by using the participant's individual Central Person Register number, which is assigned to all Danish residents on birth or immigration.¹⁸ The Danish Civil Registration System was used to obtain information on age, sex, residency, ethnicity and household size.¹⁸ Information regarding household income and educational level was collected from the Danish Registers on Personal Income and Transfer Payments and the Danish Education Registers, respectively.^{19 20}

Variables

The relevant time interval for transmission factors was defined as the period 2 weeks before the date of their RT-PCR test. The online questionnaire assessed exposure to known SARS-CoV-2 infected cases, exposure attributes during contact with the case or cases during the defined

time interval, travel history, self-reported health, occupation and demographic variables. Participants were questioned about their behaviour during the 2 weeks prior to their RT-PCR test date or, if applicable (UCs), a 2-week period before a specific date matched to the corresponding case.

Participants were asked about possible community exposure activities (eg, gatherings with >30 people indoors/outdoors, eg, in a home/public event/work-related; grocery shopping; dining at a restaurant or café; going to a bar, gym, public swimming pool; or using public transportation) on a 5-point Likert-type scale ranging from ‘never/less than once a month’ to ‘more than once per day’. Community activity responses were dichotomised as never versus one or more times during the 2 weeks before the date of their RT-PCR test. Precautions to avoid viral transmission taken since 1 March 2020 were assessed and participants were asked to quantify degree of adherence to recommendations such as wearing a face mask, frequent use of hand sanitizers, physical distancing, avoiding handshakes, hugs and social gatherings, with response options ranging from ‘never’ to ‘almost always’. The date of onset and type of symptoms experienced by the individual, if any, were also recorded. The translated survey questions are listed in eText 1 and variables obtained from Statistics Denmark are listed in online supplemental eTable 1. Some of the answers are not covered in this publication.

Statistical methods

Categorical variables were summarised by counts and percentages, while continuous variables were summarised by medians and quartiles. The nested case-control data were obtained as described in section ‘Study design and case definition’ and analysed using Cox regression with time-dependent exposure and baseline incidence rate function stratified for age (in 5-year intervals), test date (in 5-day intervals), sex and municipality via risk set matching.^{21 22} The associations between each exposure separately and the infection rates were reported as incidence rate ratios (IRRs) adjusted for age, sex and municipality. The models assume that the IRRs were constant in the study period (proportional hazards assumptions). All of the analyses performed were exploratory, and no adjustment for multiple testing was made. IRRs were reported with their 95% CIs. The analyses were repeated in subgroups defined by sex, age, educational level, household size, ethnicity and occupation. The level of statistical significance was set at 5%. All data management and statistical analyses were performed using R statistical software, V.4.0.3.²³

The patient and public involvement statement

Patients or the public were not involved in the design, or conduct, or reporting, or dissemination plans of our research.

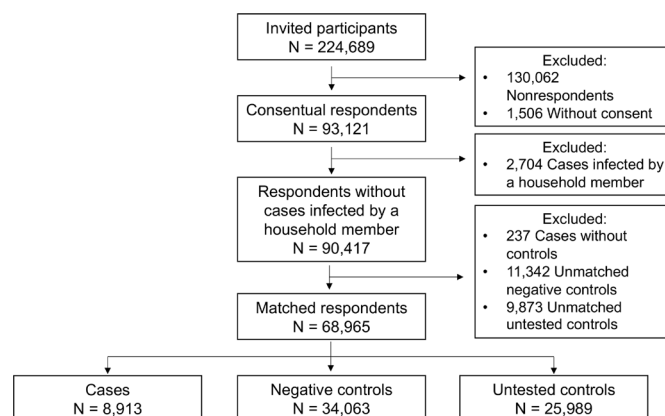


Figure 1 Flowchart describing study participants.

RESULTS

Participant characteristics

A total of 93 121 individuals (41.1%) responded to the survey, of which 11 854 (47.4 %) were cases, 45 405 (45.4 %) were NCs and 35 862 (35.9 %) were UCs.

Among cases, 2704 (22.8%) reported having a member of their household as the presumed source of infection. Likely, these cases had not contracted SARS-CoV-2 in the community setting. Consequently, we decided to exclude these cases when investigating behavioural risk factors for SARS-CoV-2 community-related transmission. After matching, participants consisted of 8942 cases, 34 165 NCs and 26 006 UCs (figure 1).

Participants (n=68 965, median age 44 years) were predominantly women (58.9%), of Danish ethnicity (90.8%), self-employed (35.1%) and lived in a household of 1–2 individuals (59.1%) (table 1). The baseline characteristics of respondents and non-respondents are described in online supplemental eTable 2.

For both cases and NCs, close contact with a SARS-CoV-2-positive individual was the most common reason for being tested (cases: 41.3%, NC: 27.3%), while having COVID-19-associated symptoms was the second-most common reason (cases: 37.3%, NC: 16.1%). A total of 32.3% of cases reported suspected source of infection as unknown (table 1).

Figure 2 presents the IRRs for the different exposures when comparing cases with either NCs or UCs.

Social contacts

Close contact (less than 2 m for more than 30 min) with a SARS-CoV-2-positive person was associated with the highest relative rate of testing positive for SARS-CoV-2 (IRR: NC: 2.98; UC: 32.69). Having had some other form of contact with a SARS-CoV-2-positive person was also associated with an elevated rate of infection (IRR: NC: 1.75; UC: 13.42). Similarly, we found a high number of daily contacts to be associated with increased SARS-CoV-2 infection rates, particularly when having more than 50 daily contacts (IRR: NC: 1.24; UC: 1.75). Attending large, indoor social events with more than 30 or 50 attendees increased the infections rates. Attending large outdoor

Table 1 Demographics and SARS-CoV-2 transmission characteristics by survey group

Characteristics	Cases (n=8913)	Negative controls (n=34 063)	Untested controls (n=25 989)	Total (n=68 965)
Age, median (IQR)	43 (29, 55)	44 (30, 54)	45 (31, 55)	44 (30, 55)
Sex, n (%)				
Female	5065 (56.8)	19 745 (58.0)	15 816 (60.9)	40 626 (58.9)
Male	3848 (43.2)	14 318 (42.0)	10 173 (39.1)	28 339 (41.1)
Ethnicity, n (%)				
Danish	7640 (85.7)	30 334 (89.1)	24 668 (94.9)	62 642 (90.8)
Other	1273 (14.3)	3729 (10.9)	1321 (5.1)	6323 (9.2)
Household size, n (%)				
1–2 persons	5234 (59.7)	19 438 (57.8)	16 246 (63.0)	40 918 (60.0)
3–4 persons	2931 (33.4)	12 156 (36.1)	8290 (32.2)	23 377 (34.3)
≥5 persons	606 (6.9)	2046 (6.1)	1241 (4.8)	3893 (5.7)
Missing	142	423	212	777
Primary employment, n (%)				
Student	746 (9.4)	2734 (8.7)	3617 (14.8)	7097 (11.1)
Public employee	1111 (14.0)	4059 (12.9)	2570 (10.5)	7740 (12.1)
Private employee	2545 (32.1)	10 210 (32.4)	4848 (19.9)	17 603 (27.6)
Self-employed	2739 (34.5)	11 352 (36.0)	10 127 (41.5)	24 218 (37.9)
Non-employed	529 (6.7)	2036 (6.5)	1988 (8.2)	4553 (7.1)
Other	264 (3.3)	1134 (3.6)	1237 (5.1)	2635 (4.1)
Missing	979	2538	1602	5119
Type of occupation, n (%)				
Non-employed	847 (10.7)	3132 (10.0)	3999 (16.5)	7978 (12.6)
At home	1470 (18.6)	7673 (24.5)	6858 (28.3)	16 001 (25.2)
Own office	601 (7.6)	2477 (7.9)	1916 (7.9)	4994 (7.9)
Shared office	1358 (17.2)	5029 (16.0)	4134 (17.1)	10 521 (16.6)
Retail, library and factory work	558 (7.1)	1814 (5.8)	1946 (8.0)	4318 (6.8)
Social care and education	1489 (18.9)	5012 (16.0)	1714 (7.1)	8215 (12.9)
Healthcare sector	746 (9.4)	3098 (9.9)	708 (2.9)	4552 (7.2)
Transport (eg, bus/taxi driver)	63 (0.8)	240 (0.8)	192 (0.8)	495 (0.8)
Outdoors (eg, gardener)	178 (2.3)	714 (2.3)	792 (3.3)	1684 (2.7)
Other	587 (7.4)	2193 (7.0)	1953 (8.1)	4733 (7.5)
Missing	1016	2681	1777	5474
Contact with SARS-CoV-2 positive, n (%)				
None	4025 (48.7)	22 320 (68.0)	24 166 (94.9)	50 511 (75.9)
Other contact	1715 (20.8)	5683 (17.3)	815 (3.2)	8213 (12.3)
Close contact (<2 m, >30 min)	2522 (30.5)	4829 (14.7)	477 (1.9)	7828 (11.8)
Missing	651	1231	531	2413
Test reason, n (%)				
Symptoms	3323 (40.0)	5471 (16.7)		
SARS-CoV-2 contact tracing app	57 (0.7)	1814 (5.5)		
Prior to medical treatment	85 (1.0)	1982 (6.0)		
Contact with SARS-CoV-2 positive	3678 (44.3)	9288 (28.3)		
Work-related test reason	260 (3.1)	2889 (8.8)		
Visit high risk person	71 (0.9)	2026 (6.2)		

Continued

Table 1 Continued

Characteristics	Cases (n=8913)	Negative controls (n=34 063)	Untested controls (n=25 989)	Total (n=68 965)
Travel plans	25 (0.3)	668 (2.0)		
Prior to social event	113 (1.4)	2086 (6.4)		
Suspected infection	197 (2.4)	1223 (3.7)		
Other	489 (5.9)	5382 (16.4)		
Missing	615	1234		
Presumed source of infection, n (%)				
Unknown	2876 (34.8)			
Household	0 (0.0)			
Family/close friend	2229 (27.0)			
Colleague/acquaintance	3152 (38.2)			
Missing	656			

events increased the rate as well, however, to a lesser degree.

Behavioral risk factors

Visiting a gym (IRR: NC: 1.26; UC: 1.55) or participating in indoor sports activities (IRR: NC: 1.16; UC: 1.53) were associated with an increased rate of testing positive for SARS-CoV-2. No statistically significantly elevated infection rate was found for visiting indoor public swimming pools. Outdoor exercising was associated with a lower SARS-CoV-2 infection rate (IRR: NC: 0.75; UC: 0.96 ($p=0.31$)). Bar visits were associated with a higher rate of testing positive for SARS-CoV-2 than visiting a restaurant or café. Neither grocery shopping (IRR: NC: 0.52; UC: 0.63), use of public transport (bus travel IRR: NC: 0.83; UC: 0.86), train travel: IRR: NC: 0.86; UC: 0.97), nor travelling by ferry (IRR: NC: 0.77; UC: 0.83) or aeroplane (IRR: NC: 0.70; UC: 1.23 ($p=0.058$)) were associated with increased infection rate.

Precautions taken in order to avoid SARS-CoV-2 infection

Using hand sanitizer (IRR: NC: 0.79; UC: 0.98 ($p=0.58$)), practising physical distancing (IRR: NC: 0.79; UC: 0.82) and staying more at home (IRR: NC: 0.75; UC: 0.68) were all associated with a reduced rate of infection. Avoiding handshakes, hugs, large crowds and social events were associated with lower rate of infection. Frequent hand-washing appeared to be a risk factor for SARS-CoV-2 infection (IRR: NC: 1.09; UC: 1.30). However, no significantly increased rates were found in subgroup analysis when excluding participants in high-risk occupations (IRR: NC: 0.98 ($p=0.52$); UC: 1.05 ($p=0.21$)) (healthcare, social care and education) (online supplemental eTable 3).

Occupational risk factors

Working in healthcare (IRR: NC: 1.22; UC: 7.95), social care and educational institutions (IRR: NC: 1.50; UC: 6.40) was associated with increased rate of SARS-CoV-2 infection. All types of employment were significantly associated with a higher rate of infection compared with

being unemployed. Having close contact or some other form of contact with clients, patients or customers during work was an additional risk factor.

Demographic risk factors

Living in larger households >5 persons (IRR: NC: 1.15; UC: 1.84) and having an ethnic background other than Danish (IRR: NC: 1.34; UC: 3.05) were associated with an elevated rate of SARS-CoV-2 infection. Household income and level of education were not significantly related to infection rate.

Subgroup analyses

When only including the 2704 cases who had reported a member of their household as the assumed source of infection, IRRs varied greatly from the estimates found in the main analysis and were often counterintuitive (online supplemental eTable 2). These findings support the decision to exclude the presumed household-infected cases when investigating risk factors for community transmission. Additional subgroup analyses are shown in online supplemental eTables 4–22.

Moreover, the main analysis was repeated adjusted for wearing a mask, frequent hand washing, as well as both mask wearing and hand washing (online supplemental eTables 18–20). The analysis adjusted for handwashing shows IRR's almost identical to the main analysis in figure 2, where the analysis adjusted for wearing a mask shows multiple of the precautions to be associated with an increased rate of infection (online supplemental eTables 18–20).

When comparing the symptomatic cases with the symptomatic NCs, having close contact to a SARS-CoV-2-positive person (IRR: 8.78), going to the gym (IRR: 1.43), doing indoor sports (IRR: 1.38), visiting restaurants/café (IRR: 1.35), visiting a bar (IRR: 1.66) and attending a large event (IRR >30 attendees: 1.91 and IRR >50 attendees: 2.13) were all associated with an increased rate of infection (online supplemental eTable 21).

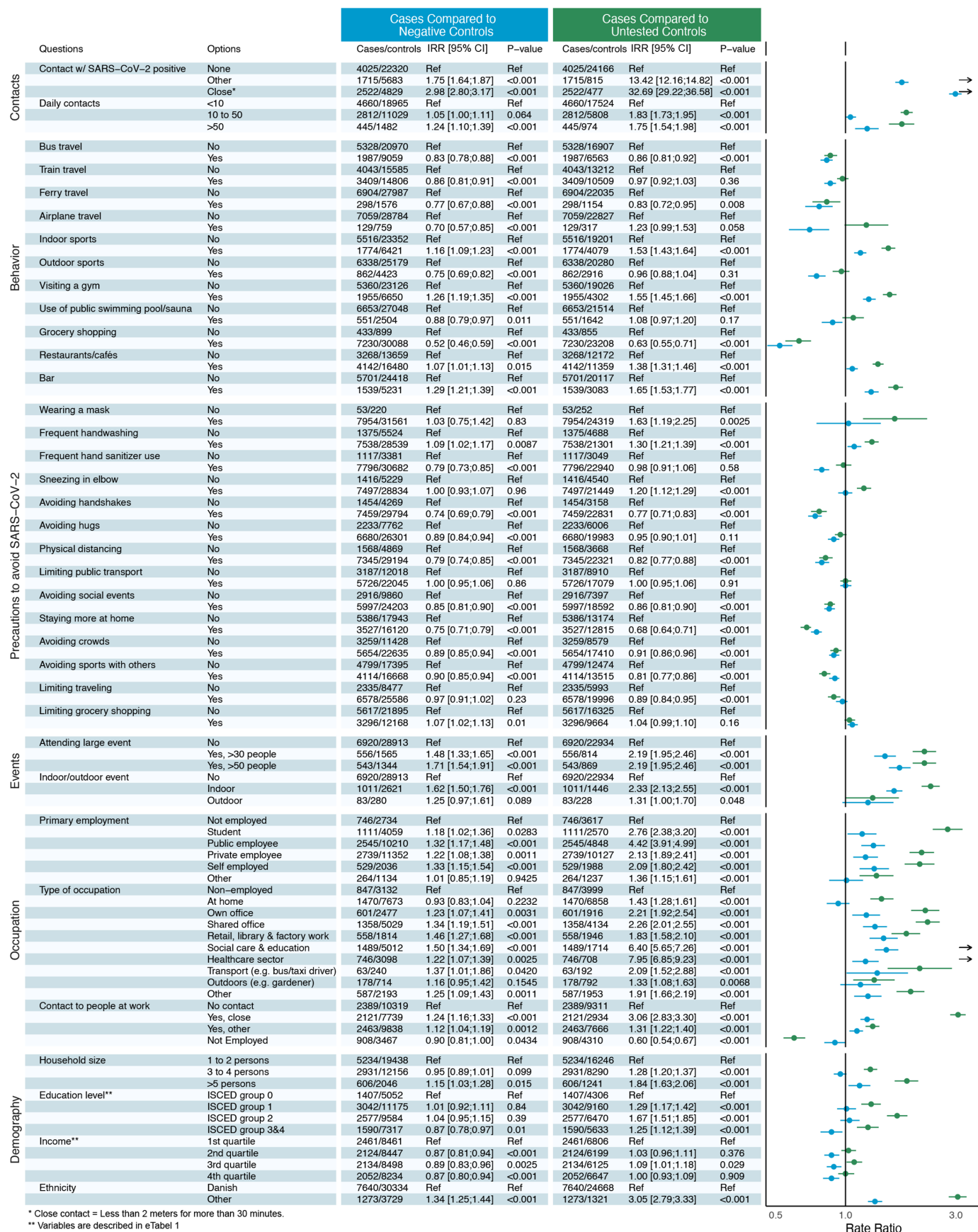


Figure 2 The infection incidence rate ratios (IRRs) for the different exposures when comparing cases with either negative controls or untested controls. Blue: cases compared with negative controls. Green: cases compared with untested controls.

The main analysis was repeated for cases with an unknown source of infection compared with NC and UC (online supplemental eTable 22). In this analysis, doing indoor sports (IRR: NC: 1.26; UC: 1.68), visiting a gym (IRR: NC: 1.52; UC: 1.87), visiting restaurants/café (IRR: NC: 1.33; UC: 1.77), visiting a bar (IRR: NC: 1.67; UC: 2.20) and attending a large event (IRR>30 attendees - NC: 1.78; UC: 2.67. IRR>50 attendees - NC: 2.37; UC: 3.22) were all associated with an increased rate of infection. In this analysis, many precautions had IRRs above 1 but the findings were not statistically significant (online supplemental eTable 22).

DISCUSSION

This large retrospective case-control study aimed to investigate the behavioural factors associated with the risk of SARS-CoV-2 infection. During the study period of November and December 2020, restrictions instituted by the Danish authorities were limited and the infection rate rapidly increasing. Our results indicate that going grocery shopping, using public transport and swimming pools as well as participating in outdoor sports are not associated with an increased incidence rate of SARS-CoV-2 infection. Importantly, our study was conducted in a community setting with moderate restrictions. The non-pharmaceutical interventions instituted by the Danish authorities in the study period included reserved seating in regional trains, mandatory masking when using public transportation and while standing indoors in all public places, and a physical distance ≥ 1 m was encouraged in all social settings. These non-pharmaceutical interventions may be required in order to sustain a reduced viral transmission in public transportation and other community settings in the future.

An essential part of the Danish authorities' initiatives to mitigate viral transmission has been to recommend a series of behavioural changes through TV ads and posters in public places. Encouragingly, our study showed that frequent use of hand sanitizer, physical distancing, as well as avoiding handshakes, hugs, social events and large gatherings were associated with a lower rate of SARS-CoV-2 infection. This is in line with recent reports showing that the implementation of non-pharmaceutical interventions is enough to achieve control of a SARS-CoV-2 outbreak.^{24 25} Non-pharmaceutical interventions reduce presymptomatic transmission, which previous studies have found to constitute a high proportion of the total transmission.^{26 27} Bans on large public gatherings and making hand sanitizer available in public places are relatively inexpensive measures that should help reduce SARS-CoV-2 infections.

In our population, frequent handwashing appeared to be a risk factor for SARS-CoV-2 infection. However, this increased rate was not found in subgroup analysis when excluding participants in high-risk occupations (working in healthcare, social care, retirement homes and educational institutions) (online supplemental eTable 3).

Consequently, the initial finding may be explained by the frequent handwashing of high-risk occupations. The use of masks did not appear to be preventative. During the time period when this study was conducted, masks were mandatory indoors in all public places, for example, in bars/restaurants and in public transportation. The rate estimates presented here may be confounded by several factors and the lack of a protective effect for mask wearing may be more linked to the general behaviour of the individuals more than to the effect of the masks themselves. When looking at the supplementary analysis adjusted for wearing a mask, multiple of the precautions are associated with an increased rate of infection. This suggests that wearing a mask, or the general behaviour of the individuals who wear a mask, could be a substantial confounder for the protective properties of many of the safety measures in this study (online supplemental eTable 18).

Attending meetings with many people, visiting bars and restaurants and having many activities in public places would require frequent mask wearing. Whereas, staying at home and reducing social activities to a minimum would practically eliminate the need to wear a mask.

Having more than 50 daily contacts was associated with higher rates of SARS-CoV-2 infection. Another important factor was attending large indoor events with more than 30 attendees. In several cases, these large gatherings have been the source of 'superspreading events' in which many people are infected within a short period of time.²⁸ Increasing evidence indicates that superspreading events play a dominant role in SARS-CoV-2 transmission,^{28 29} and that superspreading events are critical for maintaining the epidemic.²⁹ Restrictions on large gatherings seem warranted. The increase in infection rate was less if the events were held outdoors. This supports existing evidence that the rate of SARS-CoV-2 transmission is lower outdoors.³⁰

Every type of occupation carried out outside one's own home was associated with increased rate of infection, with outdoor occupations having the lowest increase in rate, numerically. Physical proximity to other people, especially close contacts, during work increased rate of infection. These findings support the recommendation for working from home and limiting physical contact at work, when possible.

Going to the gym and doing indoor sports were associated with increased rate of infection, in line with previous reports of SARS-CoV-2 outbreaks from indoor sporting facilities.³¹⁻³³ Considering that SARS-CoV-2 is transmitted by respiratory droplets, group exercise in a closed indoor space could provide an environment highly prone to SARS-CoV-2 transmission.³¹ The increased rate of infection in bars and to a lesser extent in restaurants corresponds to previous reports about these locations being the centre for superspreading events.^{10 11 34} Reports of exposures in restaurants have been linked to air circulation.¹¹ Eating and drinking may obstruct efficient mask use, whereas masks can be

effectively worn while shopping and during numerous other indoor activities.

In Denmark, great attention has been devoted to subpopulations throughout the pandemic, because big differences in infection rates were observed between groups. Some of the more important groupings were by ethnicity, age and occupation. We believe that presenting the risk in subgroups of populations of specific interest would be useful to guide policy-makers, as effects of interventions could be very different across these subpopulations.

Considering the risk of selection bias, the SARS-CoV-2 positive cases were compared with both a group of tested individuals (NC) and a group of individuals who were never tested (UC).

The association between some behavioural factors and SARS-CoV-2 transmission was markedly different when cases were compared with NCs versus UCs. Although the IRRs mostly pointed in the same direction, the IRR was often markedly higher when using UCs as the control group. The reason for this is unclear but could be due to unaccounted for bias/confounding. UCs may be more careful and cautious, for example, have fewer daily contacts, than the NCs. Also, differences in access to SARS-CoV-2 testing could explain some of the difference seen. The fact that the results when comparing the symptomatic cases with the symptomatic NCs were almost identical to the main findings in [figure 2](#) suggests that the behavioural factors associated with an increased rate of infection are the same regardless of the reason for being tested.

The findings in this report are subject to limitations. We used a case-control design from which results should be interpreted as hypothesis-generating only. Only a moderate number of invitees answered the survey, possibly limiting generalisability. Participants were aware of their SARS-CoV-2 test results, which could have influenced their responses to questions about community exposures and close contacts leading to recall bias. Similarly, UCs may have more of a problem with recall bias than those who were tested. We recruited and asked questions on a digital platform leading to exclusion of participants not using this platform (mostly elderly people). Very few of our participants had been hospitalised indicating that our data are skewed towards those less affected by SARS-CoV-2. Likewise, we could not include people who ultimately died from the disease. Factors identified in this study might therefore be less applicable to the elderly or those with severe disease. Finally, our results could be very dependent on the stage of the pandemic at the time and therefore cannot necessarily be extrapolated to other stages of the pandemic.

Among the strengths of our study is a large sample size, that most participants answered all the questions in the comprehensive questionnaire and the choice to use two control groups matched by age, sex, municipality and test date.

CONCLUSIONS

Using a case-control design, we identified activities including grocery shopping and using public transport that do not seem to increase the rate of getting infected with SARS-CoV-2 in a community with moderate restrictions. Exposures and activities associated with many and close contacts, especially indoors, increased the rate of infection. Importantly, continued assessment of various types of activities and exposures in other settings and in the next phases of the pandemic are needed as communities reopen. The results presented here should help public health authorities and individuals tailor their strategies for limiting the spread of SARS-CoV-2.

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Correction: *Behavioral factors associated with SARS-CoV-2 infection. Results from a web-based case-control survey in the Capital Region of Denmark*

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eText 1: Survey Instrument (The original Danish questionnaire is here translated into English.)**Regarding transmission and transmission event**

This page contains questions regarding a potential transmission event. There are also questions regarding contact with people with known infection. It is important that you answer accordingly to the period prior to the date provided in the survey. Even though it can be difficult to remember past events; it is important that you answer as accurately as possible.

Regarding your test on [date], what was the primary reason that you were tested:

- I had symptoms compatible with COVID
- I had an appointment at a hospital or elsewhere where a test was required (e.g. planned surgery or dentist appointment)
- I had been in contact with a person with known infection
- Due to professional reasons, e.g. as part of routine testing or business trip
- I had planned to visit a vulnerable person (e.g. at an institution)
- I had returned from or was going abroad (except business trips)
- I wanted a test prior to participating in an event (e.g. wedding, sports event or similar)
- I suspected that I could have been infected (e.g. after participating in a large event, e.g. concert, sports event)
- I had received a notification from SmitteStop app (Danish national contact-tracing app) notifying me that I had been in contact with one or more people with known infection
- Other reason

From whom do you think you have most likely caught the infection?

- Person in my household
- Family member/close friend
- Colleague/peripheral acquaintance
- I do not know from whom I was infected

If a person was identified in the question above:

Which distance have you kept to the person in question?

- Less than 2 meters
- More than 2 meters
- Do not know

How long have you been in contact with the person in question?

- Less than 30 minutes
- More than 30 minutes
- Do not know

Which of the following are relevant for your contact? (You may choose more than one answer)

- Share bedroom
- Share bathroom/toilet
- Taken meals together
- Travelled together by car
- Been in same room and had a conversation
- Been in same room where the person in question has spoken
- Used personal protective equipment such as face mask or shield
- None of the above

When do you think you were most likely infected?

- [Provide date]

Where do you think you were most likely infected?

- At home
- During daily activities, e.g. shopping, public transport or similar
- At work
- Private event
- Leisure activity
- Public event

- Public event with singing, loud speech, yelling
- Do not know

If a place was identified in the question above:

Did the event take place indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

How many people were present at this event?

- Less than 5 people
- 5-9 people
- 10-29 people
- 30-49 people
- 50-99 people
- More than 100 people

Apart from yourself, are you aware of others having been infected at this event?

- Yes
- No
- Do not know

If yes, how many people were infected?

- [Provide number]
- Do not know

Have you experienced symptoms in relation to your COVID infection?

- Yes
- No

If yes, when did you first experience symptoms

- [provide date]

Which symptoms did you experience during the first 1-2 weeks of infection (i.e. not long-effects)? (You may choose more than one answer)

- Fever/chills
- Tiredness or exhaustion
- Headache
- Dizziness
- Runny or congested nose
- Change or loss of smell/taste
- Sore throat
- Cough
- Dyspnea at rest
- Dyspnea at activity
- Chest pain or discomfort
- Loss of appetite
- Colored mucus from cough
- Nausea/vomiting
- Constipation
- Diarrhea
- Stomachache
- Muscle or joint pain
- Prickling sensation in hands or feet
- Concentration difficulty
- Difficulty with long term memory
- Difficulty with short term memory
- Sensibility to light or sound
- Screen fatigue
- Other

When would you say, you felt well again?

- [provide date]
- I am not well yet

Have you taken any sick leave due to COVID symptoms?

- Yes, 1-2 days
- Yes, 3-5 days (up to one work week)
- Yes, 6-10 days (up to two work weeks)
- Yes, 3-4 working weeks
- Yes, more than 4 weeks
- Yes, I am still on sick leave
- No, I have not needed sick leave
- No, I am not working/on leave/retired

Have you experienced symptoms, which you suspect are long-term effects of COVID?

- Yes, I am still experiencing long-term effects
- Yes, but I am not experiencing long-term effects any longer
- No

If yes, but no longer, please provide your best estimate of when you no longer experienced symptoms.

- [provide date]

Which symptoms are you or have you experienced that you consider to be long-term effects of COVID? (You may choose more than one answer)

- Fever/chills
- Tiredness or exhaustion
- Headache
- Dizziness
- Runny or congested nose
- Change or loss of smell/taste
- Sore throat
- Cough
- Dyspnea at rest
- Dyspnea at activity
- Chest pain or discomfort
- Loss of appetite
- Colored mucus from cough
- Nausea/vomiting
- Constipation
- Diarrhea
- Stomachache
- Muscle or joint pain
- Prickling sensation in hands or feet
- Concentration difficulty
- Difficulty with long term memory
- Difficulty with short term memory
- Sensibility to light or sound
- Screen fatigue
- Other

Are you aware or do you suspect that you have infected others (you may choose more than one answer)?

- Yes, people in my household
- Yes, family members/close friends
- Yes, colleagues/peripheral acquaintances
- No, I do not think I have infected others

If yes, how many people do you think you have infected?

- [provide number]

- Do not know

Please answer the following questions in regard to the person you are most certain that you have passed the infection on to.

Which distance have you kept to the person in question?

- Less than 2 meters
- More than 2 meters
- Do not know

How long have you been in contact with the person in question?

- Less than 30 minutes
- More than 30 minutes
- Do not know

Which of the following are relevant for your contact? (You may choose more than one answer)

- Share bedroom
- Share bathroom/toilet
- Taken meals together
- Travelled together by car
- Been in same room and had a conversation
- Been in same room where the person in question has spoken
- Used personal protective equipment such as face mask or shield
- None of the above

When did you most likely pass on the infection?

- [provide date]

Under which circumstances have you most likely passed on the infection?

- At home
- During daily activities, e.g. shopping, public transport or similar
- At work
- Private event
- Leisure activity
- Public event
- Public event with singing, loud speech, yelling
- Do not know

If a place was identified in the question above:

Did the event take place indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

How many people were present at this event?

- Less than 5 people
- 5-9 people
- 10-29 people
- 30-49 people
- 50-99 people
- More than 100 people

During the 1-14 days period prior to being tested positive on the [date provided], are you aware of having been in contact with a person with known infection? (During a period where the person could have been contagious)

- Yes
- No, not to my knowledge

What is your relation to this person? (If there is more than one, please answer in relation to the closest contact)

- Person in my household
- Family member/close friend
- Colleague/peripheral acquaintance
- Other

Which distance have you kept to the person in question?

- Less than 2 meters
- More than 2 meters
- Do not know

How long have you been in contact with the person in question?

- Less than 30 minutes
- More than 30 minutes
- Do not know

Which of the following are relevant for your contact? (You may choose more than one answer)

- Share bedroom
- Share bathroom/toilet
- Taken meals together
- Travelled together by car
- Been in same room and had a conversation
- Been in same room where the person in question has spoken
- Used personal protective equipment such as face mask or shield
- None of the above

Under which circumstances have you been in contact with a person with known infection?

- At home
- During daily activities, e.g. shopping, public transport or similar
- At work
- Private event
- Leisure activity
- Public event
- Public event with singing, loud speech, yelling
- Do not know

If a place was identified in the question above:

Did the event take place indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

How many people were present at this event?

- Less than 5 people
- 5-9 people
- 10-29 people
- 30-49 people
- 50-99 people
- More than 100 people

During the 15-28 days period prior to being tested positive on the [date provided], are you aware of having been in contact with a person with known infection? (During a period where the person could have been contagious)

- Yes
- No, not to my knowledge

What is your relation to this person? (If there is more than one, please answer in relation to the closest contact)

- Person in my household
- Family member/close friend
- Colleague/peripheral acquaintance
- Other

Which distance have you kept to the person in question?

- Less than 2 meters
- More than 2 meters
- Do not know

How long have you been in contact with the person in question?

- Less than 30 minutes
- More than 30 minutes
- Do not know

Which of the following are relevant for your contact? (You may choose more than one answer)

- Share bedroom
- Share bathroom/toilet
- Taken meals together
- Travelled together by car
- Been in same room and had a conversation
- Been in same room where the person in question has spoken
- Used personal protective equipment such as face mask or shield
- None of the above

Under which circumstances have you been in contact with a person with known infection?

- At home
- During daily activities, e.g. shopping, public transport or similar
- At work
- Private event
- Leisure activity
- Public event
- Public event with singing, loud speech, yelling
- Do not know

If a place was identified in the question above:

Did the event take place indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

How many people were present at this event?

- Less than 5 people
- 5-9 people
- 10-29 people
- 30-49 people
- 50-99 people
- More than 100 people
-

Regarding activities and precautions taken against COVID-19 infection

This page contains questions regarding your activities and the precautions you have taken to avoid Coronavirus infection. It is important that you answer accordingly to the period prior to the date provided in the survey. Even though it can be difficult to remember past events; it is important that you answer as accurately as possible.

Have you in the period prior to being tested positive for Coronavirus on the [date provided] participated in any large events? (Provide one answer for each period. If you have participated in more than one event during the same period, please answer in relation to the event with the highest number of participants.

0-14 days prior to the [date provided]

- Yes, more than 30 people
- Yes, more than 50 people
- Yes, more than 100 people
- No

Was the event predominantly indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

Which type of event was it?

- Private event
- Work related event
- Leisure time event
- Public event
- Public event with singing/loud speech/yelling

15-28 days prior to the [date provided]

- Yes, more than 30 people
- Yes, more than 50 people
- Yes, more than 100 people
- No

Was the event predominantly indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

Which type of event was it?

- Private event
- Work related event
- Leisure time event
- Public event
- Public event with singing/loud speech/yelling

Which precautions have you taken against Coronavirus since March 1st 2020?

- Frequent handwashing
- Frequent use of hand sanitizer
- Cough/sneeze in sleeve
- Avoided shaking hands
- Avoided hugging/cheek kissing
- Kept 1-2 meters distance to strangers as recommended by the Danish Health Authority
- Limited use of public transport
- Stayed at home/canceled social events
- Worked more from home
- Avoided places with many people
- Avoided sport/leisure time activities with other people
- Limited travel within the country and abroad
- Changed shopping habits
- Other

Have you adhered to the public requirement of using face masks/shields?

- No
- Yes
- Yes, I use it more than what is required

During the period 0-14 days prior to being tested positive for Coronavirus on the [date provided], how often have you on average...?

- Traveled by bus
- Traveled by train/subway
- Traveled with ferry
- Traveled with plane
- Participated in indoor sports/ leisure time activities
- Participated in outdoor sports/ leisure time activities
- Been to a fitness center
- Been to a public swimming pool
- Been grocery shopping
- Dined at cafés/restaurants
- Been to a bar

During the period 15-28 days prior to being tested positive for Coronavirus on the [date provided], how often have you on average....?

- Traveled by bus
- Traveled by train/subway
- Traveled with ferry
- Traveled with plane
- Participated in indoor sports/ leisure time activities
- Participated in outdoor sports/ leisure time activities
- Been to a fitness center
- Been to a public swimming pool
- Been grocery shopping
- Dined at caf  s/restaurants
- Been to a bar

During the period prior to being tested positive for Coronavirus on the [date provided] travelled abroad?

- Yes, 0-14 days prior to [test date provided]
- Yes, 15-28 days prior to [test date provided]
- No

If yes, please provide

- Date of departure
- Destination
- Duration of stay

Regarding general health and working situation

This page contains questions regarding your general health and working situation

It is important that you answer accordingly to the period prior to the date provided in the survey. Even though it can be difficult to remember past events; it is important that you answer as accurately as possible.

In general, how do you perceive your own health?

- Really good – I do not experience any limitations due to health issues in my everyday life
- Good – I only rarely experience limitations due to health issues in my everyday life
- OK – I can do most things, but I do to some extent experience limitations due to health issues in my everyday life
- Poor – I experience limitations due to health issues for the most part in my everyday life

How would you describe your physical condition?

- Really good – I exercise several times a week
- Good – I generally have a high level of physical activity
- OK – I do not exercise regularly, but I can do moderate physical activity without shortness of breath
- Not good – I experience shortness of breath if I do anything above light physical activity
- Poor – I experience shortness of breath with even slight physical activity

How tall are you (centimeters)?

How much do you weigh (kilograms)?

Do you smoke?

- No, I have never smoked
- No, not any more
- Yes, I smoke

What is your average weekly alcohol consumption?

- I never drink
- ≤ 7 units per week
- ≤ 14 unites per week
- > 14 units per week

What is your primary occupation?

- Student
- Public employee
- Private employee
- Independent business owner
- Out of the labor force
- Other

Are you primarily working?

- From home
- Your own office (including mobile offices, such as truck driver, delivery service)
- Open office
- Public space, e.g. shop, library, factory or similar
- In an institution, e.g. school, nursing home or similar
- In the health sector, e.g. general practice or hospital
- With public transport, e.g. taxi driver, bus driver, train driver or similar
- Outdoors, e.g. gardener, builder or similar
- I am out of the labor force
- Other

Does your work entail contact with customers/patients/clients or similar?

- Yes, close contact
- Yes, some contact, but not close
- No, no contact
- I am out of the labor force

During the period 0-14 days prior to being tested positive for Coronavirus on the [date provided], how many people were you typically in contact with daily, i.e. you were in the same room?

- Less than 10
- 10-29
- 30-49
- 50-69
- 70-99
- More than 100

During the period 15-28 days prior to being tested positive for Coronavirus on the [date provided], how many people were you typically in contact with daily, i.e. you were in the same room?

- Less than 10
- 10-29
- 30-49
- 50-69
- 70-99
- More than 100

This is the end of the questionnaire. If you have any questions or additional comments you may add them here. Thank you for your participation!

eTable 1: Variables obtained from Statistics Denmark

Variable	Description
Education level	The participants' highest achieved education level was obtained in 2020 and categorized into 4 groups in accordance with the International Standard Classification of Education (ISCED). First category refers to early childhood, primary education, and lower secondary education ISCED levels 0–2. Second category refers to general upper secondary education and vocational upper secondary education ISCED level 3. Third category refers to short-cycle tertiary, medium-length tertiary and bachelor's-level education or equivalent ISCED levels 5–6. Fourth category refers to second-cycle, master's level or the equivalent and PhD ISCED levels 7–8. In Denmark, no education is classified as ISCED level 4.
Income	Participant's income was assessed in 2020 using the measurement equivalized income provided by Statistics Denmark. This income measure ensures comparability between different households as it accounts for family size. The equivalized income measure is based on the Organization for Economic Cooperation and Development modified scale, where a family's total income is weighted and redistributed equally among all family members assigning the same equivalized income to each member. The populations income was divided into quartiles. 1 st quartile contains the population with the lowest quartile of income and the 4 th with the highest income.
Ethnicity	Participants ethnic background was categorized into either ethnic Danes or other. In this study, ethnic Danes are defined as having at least one parent who originates from Denmark and has Danish citizenship. Other reference to participants who are either born in- or outside Denmark, but have no parents born in Denmark. The categorization was performed in accordance with Statistics Denmark's definition.
Household size	Household size refers to the total number of family members in a household assessed in 2020.

eTable 2. Comparison of Baseline Characteristics Between Respondents and Non-respondents

Characteristics	Nonrespondents (n=130,062)	Respondents (n=93,121)	Total (n=223,183)
Age, median [IQR]	33 [25, 48]	45 [30, 56]	38 [27, 52]
Missing	739	172	911
Sex, No. (%)			
Female	59,914 (46.3)	53,742 (57.8)	113,656 (51.1)
Male	69,409 (53.7)	39,207 (42.2)	108,616 (48.9)
Missing	739	172	911
Ethnicity, No. (%)			
Danish	101,653 (78.2)	84,818 (91.1)	186,471 (83.6)
Other	28,409 (21.8)	8,303 (8.9)	36,712 (16.4)
Household size, No. (%)			
1 to 2 persons	75,309 (59.4)	54,939 (59.8)	130,248 (59.6)
3 to 4 persons	41,457 (32.7)	31,474 (34.3)	72,931 (33.4)
≥ 5 persons	9,916 (7.8)	5,434 (5.9)	15,350 (7.0)
Missing	3,380	1,274	4,654

eTable 3. Subgroup Analysis of Professions (Without High Risk)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.64 [1.51;1.79]	<0.001	12.22 [10.85;13.75]	<0.001
	Close (<2 meter, >30 min.)	2.98 [2.77;3.21]	<0.001	32.12 [28.25;36.51]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.04 [0.97;1.12]	0.276	1.42 [1.31;1.53]	<0.001
	>50	1.20 [1.01;1.41]	0.035	1.18 [1.00;1.39]	0.048
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.75;0.88]	<0.001	0.83 [0.77;0.90]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.79;0.91]	<0.001	0.98 [0.92;1.05]	0.66
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.65;0.89]	<0.001	0.84 [0.72;0.99]	0.032
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.55;0.85]	<0.001	1.38 [1.09;1.76]	0.0083
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.08;1.25]	<0.001	1.60 [1.48;1.73]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.72;0.87]	<0.001	1.03 [0.94;1.14]	0.52
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.20;1.39]	<0.001	1.64 [1.52;1.77]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.78;1.00]	0.045	1.12 [0.99;1.27]	0.08
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.47 [0.41;0.54]	<0.001	0.59 [0.51;0.68]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.04;1.19]	0.0014	1.55 [1.45;1.66]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.39 [1.28;1.50]	<0.001	1.84 [1.69;2.00]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.13 [0.77;1.65]	0.54	1.75 [1.19;2.57]	0.0043
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	0.98 [0.91;1.05]	0.52	1.05 [0.97;1.13]	0.21
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.67;0.79]	<0.001	0.77 [0.71;0.84]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.84;0.97]	0.0039	0.98 [0.91;1.05]	0.55
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.63;0.74]	<0.001	0.62 [0.58;0.67]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.76;0.87]	<0.001	0.80 [0.75;0.86]	<0.001
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.69;0.79]	<0.001	0.69 [0.64;0.74]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.92 [0.87;0.98]	0.0084	0.89 [0.84;0.95]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.73;0.82]	<0.001	0.74 [0.70;0.79]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.69;0.78]	<0.001	0.86 [0.81;0.92]	<0.001

eTable 3. Subgroup Analysis of Professions (Without High Risk) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.77;0.87]	<0.001	0.80 [0.76;0.85]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.80;0.89]	<0.001	0.73 [0.69;0.78]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.95]	<0.001	0.77 [0.72;0.82]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.93;1.05]	0.71	0.95 [0.89;1.01]	0.096
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.58 [1.39;1.79]	<0.001	2.42 [2.10;2.78]	<0.001
	Yes, >50	1.88 [1.66;2.13]	<0.001	2.41 [2.11;2.76]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.75 [1.59;1.92]	<0.001	2.58 [2.33;2.87]	<0.001
	Outdoor	1.41 [1.05;1.90]	0.023	1.42 [1.05;1.91]	0.021
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.25 [1.11;1.40]	<0.001	1.55 [1.38;1.75]	<0.001
	Yes, other	1.10 [1.03;1.19]	0.0073	1.17 [1.09;1.26]	<0.001
Household size	Non-employed	0.91 [0.81;1.01]	0.0798	0.61 [0.55;0.68]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.92 [0.85;0.99]	0.022	1.27 [1.17;1.37]	<0.001
	>5 persons	1.12 [0.98;1.28]	0.09	1.88 [1.64;2.16]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.00 [0.90;1.11]	0.9886	1.23 [1.10;1.37]	<0.001
	ISCED 2	1.01 [0.90;1.13]	0.9273	1.42 [1.27;1.59]	<0.001
	ISCED 3&4	0.84 [0.74;0.94]	0.0039	1.25 [1.11;1.41]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.83 [0.76;0.91]	<0.001	0.94 [0.86;1.03]	0.18
	3rd quartile	0.85 [0.78;0.93]	<0.001	1.05 [0.96;1.15]	0.26
	4th quartile	0.82 [0.75;0.90]	<0.001	1.05 [0.96;1.15]	0.31
Contact to people at work	Danish	Ref	Ref	Ref	Ref
	Other	1.39 [1.28;1.52]	<0.001	3.25 [2.95;3.59]	<0.001

eTable 4. Subgroup Analysis of Professions (High Risk)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	2.03 [1.78;2.32]	<0.001	8.77 [6.91;11.13]	<0.001
	Close (<2 meter, >30 min.)	2.96 [2.59;3.40]	<0.001	26.46 [18.80;37.23]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.92 [0.82;1.04]	0.17	1.00 [0.85;1.17]	0.96
	>50	1.15 [0.94;1.41]	0.17	1.19 [0.90;1.56]	0.21
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.73;0.95]	0.0045	0.75 [0.64;0.88]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.77;0.98]	0.023	0.85 [0.73;0.99]	0.04
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.61;1.12]	0.23	0.93 [0.63;1.37]	0.71
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.41;1.24]	0.23	0.92 [0.45;1.88]	0.83
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.21 [1.05;1.39]	0.0079	1.35 [1.11;1.63]	0.0021
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.53;0.78]	<0.001	0.76 [0.59;0.98]	0.035
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.23 [1.08;1.41]	0.0027	1.24 [1.04;1.49]	0.019
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.67;1.04]	0.11	0.86 [0.65;1.13]	0.27
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.50;0.92]	0.013	0.58 [0.37;0.89]	0.013
Restaurants/cafés	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.94;1.18]	0.38	1.08 [0.92;1.25]	0.34
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.11 [0.94;1.31]	0.22	1.33 [1.07;1.66]	0.0097
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.32 [0.65;2.68]	0.44	1.25 [0.55;2.82]	0.59
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	2.05 [1.62;2.61]	<0.001	2.62 [1.95;3.52]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	2.14 [1.36;3.36]	0.001	3.92 [2.33;6.59]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	2.19 [1.69;2.83]	<0.001	2.73 [2.00;3.74]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	1.22 [0.95;1.56]	0.12	1.44 [1.06;1.96]	0.018
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.17 [1.00;1.35]	0.043	1.41 [1.16;1.70]	<0.001
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.86;1.27]	0.68	1.60 [1.25;2.05]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.38 [1.23;1.56]	<0.001	1.63 [1.39;1.90]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	1.23 [1.08;1.39]	0.002	1.37 [1.16;1.62]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.76;0.99]	0.042	0.67 [0.56;0.79]	<0.001

eTable 4. Subgroup Analysis of Professions (High Risk) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	1.18 [1.05;1.34]	0.006	1.43 [1.22;1.67]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	1.09 [0.98;1.21]	0.13	1.04 [0.90;1.20]	0.58
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.43 [1.23;1.66]	<0.001	1.29 [1.05;1.58]	0.015
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.36 [1.21;1.51]	<0.001	1.46 [1.26;1.69]	<0.001
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.18 [0.95;1.47]	0.1319	1.28 [0.96;1.71]	0.093
	Yes, >50	1.40 [1.09;1.81]	0.0089	1.49 [1.07;2.08]	0.018
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.32 [1.10;1.57]	0.0022	1.45 [1.15;1.83]	0.0019
	Outdoor	0.84 [0.46;1.55]	0.5808	0.80 [0.37;1.70]	0.5535
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.04 [0.80;1.35]	0.76	1.51 [1.11;2.06]	0.0086
	Yes, other	1.00 [0.76;1.33]	0.97	1.14 [0.82;1.58]	0.4466
	Non-employed	0.80 [0.42;1.52]	0.5	0.46 [0.21;1.01]	0.0534
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.99 [0.87;1.13]	0.91	1.09 [0.92;1.30]	0.32
	>5 persons	1.17 [0.93;1.48]	0.19	1.28 [0.94;1.75]	0.12
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.01 [0.79;1.29]	0.92	1.69 [1.24;2.29]	<0.001
	ISCED 2	1.16 [0.91;1.48]	0.23	1.36 [1.00;1.84]	0.047
	ISCED 3&4	1.06 [0.80;1.39]	0.69	1.32 [0.93;1.87]	0.115
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	1.01 [0.86;1.18]	0.93	1.01 [0.82;1.24]	0.93
	3rd quartile	1.06 [0.90;1.25]	0.49	1.00 [0.79;1.25]	0.97
Contact to people at work	4th quartile	1.07 [0.89;1.30]	0.47	0.94 [0.73;1.21]	0.62
	Danish	Ref	Ref	Ref	Ref
	Other	1.20 [1.01;1.41]	0.036	2.07 [1.60;2.67]	<0.001

eTable 5. Subgroup Analysis of Sex: Males

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.56 [1.41;1.73]	<0.001	10.78 [9.25;12.57]	<0.001
	Close (<2 meter, >30 min.)	2.77 [2.51;3.05]	<0.001	29.31 [24.47;35.10]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.04 [0.95;1.13]	0.392	1.68 [1.53;1.85]	<0.001
	>50	1.22 [1.02;1.46]	0.027	1.59 [1.31;1.92]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.79;0.96]	0.0062	0.93 [0.83;1.03]	0.15
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.75;0.89]	<0.001	0.98 [0.89;1.08]	0.69
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.64;0.93]	0.0077	0.95 [0.78;1.15]	0.59
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.58;0.97]	0.029	1.41 [1.04;1.90]	0.027
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.05;1.27]	0.003	1.60 [1.44;1.78]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.71;0.89]	<0.001	1.08 [0.96;1.22]	0.21
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.36 [1.23;1.50]	<0.001	1.76 [1.58;1.95]	<0.001
Use of public swimming pool	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.79;1.08]	0.34	1.19 [1.00;1.40]	0.045
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.43;0.62]	<0.001	0.62 [0.51;0.74]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.95;1.12]	0.45	1.47 [1.34;1.60]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.17;1.43]	<0.001	1.72 [1.54;1.92]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.64;1.59]	0.96	1.81 [1.13;2.88]	0.013
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.08 [0.98;1.19]	0.15	1.32 [1.20;1.47]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.70;0.87]	<0.001	1.01 [0.90;1.13]	0.83
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.97 [0.89;1.07]	0.6	1.27 [1.15;1.40]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.69;0.84]	<0.001	0.79 [0.71;0.88]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.80;0.96]	0.0037	0.92 [0.84;1.01]	0.098
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.73;0.88]	<0.001	0.86 [0.77;0.95]	0.0026
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.88;1.03]	0.22	0.98 [0.91;1.07]	0.71
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.74;0.87]	<0.001	0.86 [0.79;0.93]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.67;0.79]	<0.001	0.81 [0.75;0.88]	<0.001

eTable 5. Subgroup Analysis of Sex: Males (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.79;0.93]	<0.001	0.90 [0.83;0.97]	0.0098
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.77;0.89]	<0.001	0.76 [0.70;0.82]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.86;1.01]	0.08	0.88 [0.81;0.96]	0.0036
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.94;1.10]	0.67	1.02 [0.94;1.11]	0.65
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.35 [1.15;1.58]	<0.001	2.01 [1.68;2.41]	<0.001
	Yes, >50	1.63 [1.39;1.92]	<0.001	2.06 [1.72;2.48]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	1.50 [1.33;1.70]	<0.001	2.15 [1.87;2.48]	<0.001
	Outdoor	1.29 [0.93;1.78]	0.13	1.50 [1.06;2.11]	0.021
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.21 [0.95;1.53]	0.1158	2.75 [2.16;3.51]	<0.001
	Public employee	1.35 [1.12;1.64]	0.0018	4.18 [3.44;5.08]	<0.001
	Private employee	1.28 [1.07;1.54]	0.0077	2.30 [1.91;2.76]	<0.001
	Self-employed	1.31 [1.06;1.62]	0.0129	2.09 [1.69;2.60]	<0.001
	Other	1.27 [0.97;1.65]	0.0824	1.47 [1.12;1.93]	0.0054
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.84 [0.71;1.01]	0.0637	1.41 [1.18; 1.69]	<0.001
	Own office	1.22 [1.00;1.49]	0.0467	2.43 [1.98; 2.98]	<0.001
	Shared office	1.25 [1.04;1.49]	0.0181	2.46 [2.04; 2.96]	<0.001
	Retail, library or factory worker	1.39 [1.12;1.73]	0.003	1.91 [1.54; 2.38]	<0.001
	Social care or education	1.33 [1.09;1.62]	0.0042	5.85 [4.72; 7.25]	<0.001
	Healthcare sector	1.26 [0.99;1.59]	0.0561	7.68 [5.76;10.23]	<0.001
	Transport (e.g. bus/taxi-driver)	1.31 [0.91;1.87]	0.1482	2.05 [1.40; 2.99]	<0.001
	Outdoors (e.g. gardener)	1.18 [0.93;1.50]	0.1843	1.37 [1.08; 1.74]	0.011
Contact to people at work	Other	1.22 [0.99;1.50]	0.0609	2.03 [1.65; 2.51]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.18 [1.05;1.33]	0.0043	2.28 [2.00;2.60]	<0.001
	Yes, other	1.10 [1.00;1.21]	0.0433	1.15 [1.04;1.27]	0.005
Household size	Non-employed	0.97 [0.82;1.14]	0.6912	0.57 [0.48;0.67]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.88 [0.80;0.97]	0.0073	1.32 [1.20;1.46]	<0.001
Education level	>5 persons	1.12 [0.95;1.33]	0.1667	1.99 [1.66;2.38]	<0.001
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.03 [0.89;1.18]	0.726	1.29 [1.12;1.49]	<0.001
	ISCED 2	1.06 [0.91;1.23]	0.453	1.63 [1.40;1.90]	<0.001
Income	ISCED 3&4	0.87 [0.75;1.02]	0.085	1.44 [1.23;1.69]	<0.001
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.87 [0.77;0.98]	0.018	1.16 [1.03;1.31]	0.0131
	3rd quartile	0.89 [0.79;1.00]	0.042	1.21 [1.07;1.37]	0.0018
Ethnicity	4th quartile	0.86 [0.76;0.97]	0.013	1.16 [1.02;1.31]	0.0198
	Danish	Ref	Ref	Ref	Ref

	Other	1.37 [1.23;1.53]	<0.001	3.42 [2.98;3.93]	<0.001
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eTable 6. Subgroup Analysis of Sex: Females

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.90 [1.74;2.07]	<0.001	15.53 [13.66;17.66]	<0.001
	Close (<2 meter, >30 min.)	3.15 [2.90;3.42]	<0.001	35.10 [30.40;40.51]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.06 [0.99;1.15]	0.09	1.94 [1.80;2.10]	<0.001
	>50	1.25 [1.07;1.46]	0.0045	1.88 [1.59;2.21]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.74;0.87]	<0.001	0.83 [0.76;0.90]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.82;0.96]	0.0017	0.97 [0.90;1.04]	0.4
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.63;0.93]	0.0066	0.73 [0.60;0.89]	0.0018
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.48;0.86]	0.0035	1.08 [0.78;1.48]	0.65
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.06;1.26]	<0.001	1.48 [1.35;1.61]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.63;0.81]	<0.001	0.85 [0.75;0.96]	0.0089
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.10;1.30]	<0.001	1.42 [1.31;1.55]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.74;0.96]	0.013	1.01 [0.88;1.16]	0.89
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.44;0.62]	<0.001	0.64 [0.54;0.76]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.02;1.18]	0.011	1.33 [1.24;1.43]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.17;1.43]	<0.001	1.59 [1.43;1.76]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.68;1.66]	0.8	1.49 [0.96;2.30]	0.073
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.01;1.22]	0.026	1.28 [1.16;1.41]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.72;0.89]	<0.001	0.95 [0.85;1.06]	0.34
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.93;1.12]	0.65	1.14 [1.03;1.25]	0.011
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.66;0.79]	<0.001	0.75 [0.68;0.83]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.96]	0.0039	0.97 [0.90;1.05]	0.48
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.72;0.86]	<0.001	0.79 [0.72;0.87]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.98;1.12]	0.19	1.02 [0.95;1.09]	0.64
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.96]	0.0019	0.85 [0.79;0.92]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.72;0.82]	<0.001	0.60 [0.56;0.64]	<0.001

eTable 6. Subgroup Analysis of Sex: Females (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.86;0.99]	0.026	0.91 [0.85;0.98]	0.0094
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.89;1.01]	0.11	0.86 [0.80;0.91]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.93;1.08]	1	0.91 [0.84;0.98]	0.016
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.04;1.18]	0.0027	1.05 [0.98;1.13]	0.15
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.60 [1.39;1.84]	<0.001	2.33 [2.00;2.73]	<0.001
	Yes, >50	1.78 [1.54;2.05]	<0.001	2.28 [1.96;2.66]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.72 [1.54;1.91]	<0.001	2.45 [2.18;2.76]	<0.001
	Outdoor	1.18 [0.78;1.80]	0.43	1.07 [0.70;1.64]	0.74
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.15 [0.95;1.39]	0.1426	2.74 [2.27;3.31]	<0.001
	Public employee	1.29 [1.11;1.50]	0.0012	4.49 [3.84;5.25]	<0.001
	Private employee	1.17 [1.00;1.37]	0.0492	2.00 [1.71;2.34]	<0.001
	Self employed	1.40 [1.14;1.72]	0.0016	2.11 [1.71;2.59]	<0.001
	Other	0.87 [0.70;1.08]	0.2142	1.30 [1.05;1.61]	0.018
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	1.00 [0.86;1.16]	0.9946	1.46 [1.25;1.69]	<0.001
	Own office	1.19 [0.98;1.45]	0.0728	2.00 [1.64;2.43]	<0.001
	Shared office	1.42 [1.21;1.66]	<0.001	2.13 [1.81;2.49]	<0.001
	Retail, library or factory worker	1.51 [1.26;1.83]	<0.001	1.77 [1.47;2.13]	<0.001
	Social care or education	1.61 [1.38;1.86]	<0.001	6.57 [5.62;7.68]	<0.001
	Healthcare sector	1.24 [1.06;1.46]	0.0079	7.96 [6.65;9.52]	<0.001
	Transport (e.g. bus/taxi-driver)	1.41 [0.76;2.60]	0.2759	2.47 [1.30;4.69]	0.0057
	Outdoors (e.g. gardener)	0.69 [0.38;1.23]	0.2102	1.23 [0.68;2.23]	0.4874
Contact to people at work	Other	1.27 [1.06;1.52]	0.0086	1.82 [1.53;2.18]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.28 [1.17;1.39]	<0.001	3.59 [3.26;3.95]	<0.001
	Yes, other	1.13 [1.03;1.23]	0.011	1.44 [1.31;1.58]	<0.001
Household size	Non-employed	0.86 [0.75;0.98]	0.026	0.63 [0.55;0.72]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	1.01 [0.93;1.10]	0.864	1.25 [1.15;1.37]	<0.001
Education level	>5 persons	1.17 [1.01;1.36]	0.035	1.73 [1.48;2.02]	<0.001
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.00 [0.88;1.13]	0.97	1.29 [1.13;1.46]	<0.001
	ISCED 2	1.03 [0.91;1.18]	0.622	1.68 [1.47;1.92]	<0.001
Income	ISCED 3&4	0.87 [0.75;1.00]	0.057	1.10 [0.95;1.28]	0.2
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.87 [0.79;0.95]	0.0034	0.96 [0.87;1.05]	0.363
	3rd quartile	0.89 [0.81;0.99]	0.0248	1.01 [0.92;1.12]	0.787
Ethnicity	4th quartile	0.88 [0.79;0.97]	0.0146	0.91 [0.81;1.01]	0.069
	Danish	Ref	Ref	Ref	Ref
	Other	1.32 [1.19;1.45]	<0.001	2.82 [2.52;3.15]	<0.001

eTable 7. Subgroup Analysis of Age Group 18-30 years

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.78 [1.57;2.02]	<0.001	14.14 [11.64;17.18]	<0.001
	Close (<2 meter, >30 min.)	2.95 [2.64;3.29]	<0.001	31.13 [25.49;38.02]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.13 [1.02;1.25]	0.021	1.97 [1.76;2.20]	<0.001
	>50	1.20 [0.99;1.46]	0.064	1.53 [1.24;1.88]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.76;0.93]	<0.001	0.87 [0.78;0.97]	0.012
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.92 [0.82;1.02]	0.11	1.08 [0.97;1.21]	0.16
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.66 [0.49;0.88]	0.0053	0.76 [0.56;1.04]	0.084
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.44;0.91]	0.015	0.97 [0.65;1.45]	0.89
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.07;1.34]	0.0025	1.80 [1.58;2.05]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.78;1.05]	0.19	1.20 [1.02;1.42]	0.028
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.27 [1.15;1.41]	<0.001	1.70 [1.52;1.90]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.83;1.23]	0.91	1.18 [0.95;1.45]	0.14
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.57 [0.45;0.74]	<0.001	0.80 [0.62;1.04]	0.094
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.22 [1.10;1.36]	<0.001	1.79 [1.60;2.00]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.39 [1.25;1.54]	<0.001	2.06 [1.83;2.31]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.16 [0.60;2.23]	0.66	2.13 [1.13;4.02]	0.02
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.30 [1.16;1.46]	<0.001	1.61 [1.44;1.82]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.86;1.13]	0.84	1.17 [1.02;1.35]	0.028
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.11 [0.98;1.25]	0.088	1.39 [1.22;1.57]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.77;0.96]	0.0081	0.88 [0.78;0.99]	0.037
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.81;0.98]	0.019	0.94 [0.85;1.04]	0.21
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.83;1.04]	0.22	0.98 [0.87;1.11]	0.8
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.08 [0.98;1.18]	0.12	1.03 [0.94;1.14]	0.51
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.73;0.89]	<0.001	0.82 [0.74;0.91]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.71;0.86]	<0.001	0.78 [0.71;0.86]	<0.001

eTable 7. Subgroup Analysis of Age Group 18-30 years (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.97 [0.89;1.07]	0.55	1.00 [0.90;1.10]	0.94
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.81;0.97]	0.0094	0.79 [0.72;0.87]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.04;1.28]	0.0057	1.15 [1.03;1.28]	0.01
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.95;1.17]	0.34	0.95 [0.85;1.07]	0.41
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.44 [1.20;1.74]	<0.001	2.29 [1.85;2.85]	<0.001
	Yes, >50	1.47 [1.21;1.80]	<0.001	2.63 [2.06;3.34]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.44 [1.24;1.67]	<0.001	2.64 [2.21;3.16]	<0.001
	Outdoor	1.65 [1.09;2.51]	0.019	1.47 [0.95;2.29]	0.085
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.36 [1.00;1.83]	0.0474	3.02 [2.26;4.04]	<0.001
	Public employee	1.54 [1.13;2.10]	0.0062	4.76 [3.51;6.46]	<0.001
	Private employee	1.44 [1.06;1.95]	0.018	2.38 [1.77;3.19]	<0.001
	Self employed	1.49 [0.94;2.36]	0.0885	1.95 [1.23;3.10]	0.0047
	Other	1.12 [0.72;1.76]	0.6135	1.28 [0.82;1.98]	0.2741
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.95 [0.775;1.17]	0.6523	1.44 [1.17;1.78]	<0.001
	Own office	1.31 [0.979;1.75]	0.0696	2.22 [1.64;3.01]	<0.001
	Shared office	1.39 [1.113;1.73]	0.0036	2.16 [1.72;2.70]	<0.001
	Retail, library or factory worker	1.49 [1.181;1.87]	<0.001	1.57 [1.25;1.98]	<0.001
	Social care or education	1.49 [1.205;1.85]	<0.001	4.69 [3.73;5.90]	<0.001
	Healthcare sector	1.43 [1.113;1.83]	0.005	6.91 [5.19;9.21]	<0.001
	Transport (e.g. bus/taxi-driver)	0.44 [0.098;1.95]	0.2775	0.67 [0.15;2.99]	0.6
	Outdoors (e.g. gardener)	1.10 [0.720;1.69]	0.65	1.04 [0.67;1.60]	0.88
	Other	1.42 [1.104;1.82]	0.0062	2.15 [1.67;2.77]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.27 [1.12;1.45]	<0.001	2.44 [2.11;2.83]	<0.001
	Yes, other	1.10 [0.97;1.25]	0.12	1.10 [0.97;1.25]	0.15
Household size	Non-employed	0.90 [0.76;1.08]	0.26	0.64 [0.54;0.76]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.97 [0.84;1.12]	0.7	0.94 [0.81;1.09]	0.403
Education level	>5 persons	1.17 [0.93;1.46]	0.18	1.34 [1.06;1.70]	0.016
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.12 [0.93;1.35]	0.2299	1.54 [1.29;1.85]	<0.001
Income	ISCED 2	1.37 [1.09;1.71]	0.0058	1.83 [1.47;2.28]	<0.001
	ISCED 3&4	1.23 [0.92;1.64]	0.1691	1.72 [1.29;2.31]	<0.001
	1st quartile	Ref	Ref	Ref	Ref
Ethnicity	2nd quartile	0.93 [0.82;1.06]	0.27	0.95 [0.83;1.08]	0.405
	3rd quartile	0.95 [0.82;1.11]	0.53	1.11 [0.95;1.29]	0.198
	4th quartile	1.00 [0.84;1.20]	0.96	1.22 [1.02;1.47]	0.031
Danish	Ref	Ref	Ref	Ref	Ref

	Other	1.40 [1.22;1.62]	<0.001	2.58 [2.19;3.05]	<0.001
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eTable 8. Subgroup Analysis of Age Group 30-60 years

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.65 [1.52;1.80]	<0.001	12.34 [10.92;13.96]	<0.001
	Close (<2 meter, >30 min.)	2.80 [2.57;3.04]	<0.001	30.66 [26.50;35.47]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.01 [0.94;1.09]	0.752	1.77 [1.64;1.91]	<0.001
	>50	1.25 [1.07;1.46]	0.0057	1.91 [1.62;2.26]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.75;0.89]	<0.001	0.85 [0.77;0.93]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.75;0.87]	<0.001	0.89 [0.82;0.96]	0.0032
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.65;0.92]	0.0039	0.80 [0.67;0.95]	0.012
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.59;0.99]	0.04	1.38 [1.04;1.83]	0.027
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.14 [1.05;1.24]	0.0016	1.42 [1.30;1.55]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.69 [0.62;0.77]	<0.001	0.86 [0.77;0.96]	0.0082
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.19;1.41]	<0.001	1.48 [1.35;1.61]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.71;0.92]	0.0011	1.01 [0.88;1.15]	0.92
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.46 [0.39;0.55]	<0.001	0.46 [0.39;0.55]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.93;1.08]	0.93	1.20 [1.12;1.29]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.21 [1.10;1.34]	<0.001	1.36 [1.22;1.51]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.69;1.52]	0.92	1.51 [1.01;2.25]	0.045
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.92;1.11]	0.78	1.21 [1.10;1.34]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.70 [0.63;0.78]	<0.001	0.93 [0.84;1.03]	0.16
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.94 [0.86;1.03]	0.22	1.16 [1.06;1.28]	0.0016
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.69 [0.63;0.76]	<0.001	0.75 [0.68;0.83]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.83;0.97]	0.0066	1.00 [0.92;1.08]	0.94
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.68;0.81]	<0.001	0.80 [0.73;0.88]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.94;1.08]	0.77	1.07 [1.00;1.15]	0.064
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.78;0.90]	<0.001	0.87 [0.80;0.93]	<0.001

Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.68;0.78]	<0.001	0.60 [0.56;0.65]	<0.001

eTable 8. Subgroup Analysis of Age Group 30-60 years (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.95]	<0.001	0.95 [0.89;1.02]	0.18
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.85;0.97]	0.0032	0.85 [0.80;0.91]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.84;0.98]	0.0098	0.85 [0.78;0.92]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.01;1.15]	0.019	1.10 [1.03;1.18]	0.0067
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.55 [1.35;1.79]	<0.001	2.10 [1.80;2.46]	<0.001
	Yes, >50	1.77 [1.54;2.03]	<0.001	2.00 [1.73;2.32]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.71 [1.54;1.90]	<0.001	2.16 [1.93;2.43]	<0.001
	Outdoor	1.15 [0.81;1.62]	0.44	1.23 [0.86;1.76]	0.26
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.29 [0.94;1.77]	0.122	2.50 [1.80;3.46]	<0.001
	Public employee	1.39 [1.15;1.68]	<0.001	4.71 [3.91;5.68]	<0.001
	Private employee	1.27 [1.05;1.54]	0.012	2.31 [1.92;2.78]	<0.001
	Self employed	1.46 [1.18;1.81]	<0.001	2.37 [1.92;2.93]	<0.001
	Other	1.24 [0.94;1.63]	0.124	1.86 [1.42;2.44]	<0.001
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.94 [0.78;1.14]	0.5499	1.57 [1.30; 1.90]	<0.001
	Own office	1.23 [1.00;1.51]	0.0492	2.42 [1.97; 2.97]	<0.001
	Shared office	1.32 [1.09;1.60]	0.0046	2.51 [2.08; 3.03]	<0.001
	Retail, library or factory worker	1.47 [1.17;1.85]	0.0011	2.15 [1.71; 2.69]	<0.001
	Social care or education	1.50 [1.24;1.82]	<0.001	7.65 [6.29; 9.29]	<0.001
	Healthcare sector	1.19 [0.97;1.45]	0.1011	9.77 [7.84;12.17]	<0.001
	Transport (e.g. bus/taxi-driver)	1.37 [0.95;1.99]	0.0937	2.79 [1.89; 4.11]	<0.001
	Outdoors (e.g. gardener)	1.24 [0.94;1.63]	0.1343	1.62 [1.23; 2.14]	<0.001
	Other	1.19 [0.96;1.48]	0.1119	2.08 [1.68; 2.59]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.24 [1.13;1.35]	<0.001	3.27 [2.97;3.61]	<0.001
	Yes, other	1.11 [1.03;1.21]	0.011	1.37 [1.26;1.49]	<0.001
Household size	Non-employed	0.86 [0.72;1.03]	0.104	0.52 [0.44;0.62]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.94 [0.88;1.01]	0.099	1.37 [1.27;1.48]	<0.001
Education level	>5 persons	1.14 [1.00;1.29]	0.051	1.99 [1.74;2.28]	<0.001
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	0.95 [0.83;1.08]	0.4486	1.14 [0.99;1.30]	0.06
Income	ISCED 2	0.96 [0.84;1.09]	0.5068	1.57 [1.37;1.79]	<0.001
	ISCED 3&4	0.80 [0.70;0.91]	0.0011	1.10 [0.96;1.26]	0.18
	1st quartile	Ref	Ref	Ref	Ref
Ethnicity	2nd quartile	0.79 [0.72;0.88]	<0.001	1.02 [0.92;1.13]	0.72
	3rd quartile	0.83 [0.75;0.91]	<0.001	1.06 [0.96;1.17]	0.276
	4th quartile	0.79 [0.71;0.87]	<0.001	0.90 [0.80;1.00]	0.041
Danish	Ref	Ref	Ref	Ref	Ref

	Other	1.36 [1.24;1.49]	<0.001	3.44 [3.09;3.84]	<0.001
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eTable 9. Subgroup Analysis of Age Group >60 years

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	2.16 [1.76;2.65]	<0.001	17.99 [12.52;25.85]	<0.001
	Close (<2 meter, >30 min.)	4.51 [3.69;5.50]	<0.001	57.68 [36.74;90.56]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.02 [0.85;1.24]	0.818	1.89 [1.53;2.33]	<0.001
	>50	1.48 [0.93;2.37]	0.099	1.93 [1.16;3.19]	0.011
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.70;1.01]	0.065	0.94 [0.78;1.15]	0.56
Train travel	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.84;1.18]	0.98	1.17 [0.98;1.39]	0.076
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.69;1.33]	0.81	1.26 [0.90;1.76]	0.17
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.55 [0.29;1.01]	0.055	1.43 [0.71;2.88]	0.32
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.15 [0.95;1.38]	0.14	1.59 [1.31;1.93]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.57;0.96]	0.021	0.97 [0.74;1.26]	0.81
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.81;1.28]	0.86	1.48 [1.17;1.88]	0.0013
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.75;1.38]	0.89	1.28 [0.94;1.76]	0.12
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.47;0.87]	0.0043	0.94 [0.70;1.27]	0.71
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.11 [0.95;1.30]	0.18	1.67 [1.42;1.97]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.35 [1.00;1.82]	0.052	1.81 [1.33;2.47]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.32;2.17]	0.71	1.52 [0.59;3.88]	0.38
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.71;1.07]	0.19	0.80 [0.64;0.99]	0.044
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.59;0.90]	0.0029	0.79 [0.64;0.99]	0.042
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.79;1.14]	0.59	1.02 [0.84;1.23]	0.87
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.57 [0.46;0.70]	<0.001	0.49 [0.39;0.62]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.65;0.95]	0.014	0.75 [0.62;0.92]	0.0051
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.66 [0.55;0.81]	<0.001	0.56 [0.45;0.69]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.70;0.94]	0.0055	0.68 [0.58;0.79]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.89;1.19]	0.7	0.83 [0.72;0.97]	0.018
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.68;0.97]	0.024	0.88 [0.74;1.06]	0.17

eTable 9. Subgroup Analysis of Age Group >60 years (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.63;0.85]	<0.001	0.55 [0.47;0.64]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.72;0.95]	0.0074	0.68 [0.59;0.79]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.72;0.97]	0.022	0.65 [0.55;0.76]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.92;1.21]	0.45	0.87 [0.76;1.01]	0.061
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.27 [0.93;1.73]	0.14	2.38 [1.65;3.44]	<0.001
	Yes, >50	2.08 [1.52;2.85]	<0.001	2.37 [1.67;3.36]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.68 [1.33;2.13]	<0.001	2.57 [1.96;3.38]	<0.001
	Outdoor	0.69 [0.26;1.83]	0.46	1.00 [0.41;2.47]	0.99
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Public employee	1.18 [0.95;1.48]	0.142	4.74 [3.68;6.11]	<0.001
	Private employee	1.26 [0.99;1.61]	0.06	1.93 [1.50;2.48]	<0.001
	Self employed	1.02 [0.75;1.37]	0.916	1.68 [1.24;2.27]	<0.001
	Other	0.80 [0.61;1.04]	0.099	1.06 [0.81;1.38]	0.67
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.81 [0.61;1.07]	0.1429	1.20 [0.90; 1.60]	0.2034
	Own office	1.19 [0.84;1.69]	0.3233	2.36 [1.62; 3.44]	<0.001
	Shared office	1.39 [1.01;1.91]	0.0414	2.63 [1.87; 3.71]	<0.001
	Retail, library or factory worker	1.45 [0.94;2.25]	0.0944	2.23 [1.42; 3.52]	<0.001
	Social care or education	1.50 [1.14;1.97]	0.0041	8.30 [5.87;11.73]	<0.001
	Healthcare sector	1.03 [0.74;1.43]	0.8752	6.88 [4.49;10.54]	<0.001
	Transport (e.g. bus/taxi-driver)	1.64 [0.79;3.43]	0.1869	1.68 [0.78; 3.63]	0.1827
	Outdoors (e.g. gardener)	0.83 [0.46;1.47]	0.5176	1.24 [0.69; 2.23]	0.4643
Contact to people at work	Other	1.17 [0.88;1.57]	0.2737	1.46 [1.10; 1.96]	0.0099
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.15 [0.88;1.50]	0.32	4.22 [3.07;5.79]	<0.001
	Yes, other	1.08 [0.84;1.38]	0.54	1.75 [1.35;2.25]	<0.001
Household size	Non-employed	0.94 [0.75;1.19]	0.62	0.74 [0.58;0.93]	0.012
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	1.11 [0.82;1.50]	0.51	1.62 [1.16;2.28]	0.0048
Education level	>5 persons	1.97 [0.61;6.35]	0.26	1.71 [0.39;7.64]	0.4792
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.07 [0.87;1.33]	0.52	1.38 [1.10;1.73]	0.005
Income	ISCED 2	1.05 [0.84;1.31]	0.68	1.59 [1.26;2.00]	<0.001
	ISCED 3&4	0.92 [0.71;1.19]	0.54	1.48 [1.13;1.94]	0.004
	1st quartile	Ref	Ref	Ref	Ref
Ethnicity	2nd quartile	0.97 [0.78;1.21]	0.77	1.24 [1.00;1.54]	0.054
	3rd quartile	0.95 [0.76;1.19]	0.66	1.28 [1.02;1.60]	0.033
	4th quartile	0.96 [0.77;1.19]	0.71	1.43 [1.16;1.77]	0.001
Danish	Ref	Ref	Ref	Ref	Ref
	Other	1.06 [0.82;1.37]	0.65	2.13 [1.58;2.88]	<0.001

eTable 10. Subgroup Analysis of education level (ISCED group 0-1)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.60 [1.44;1.77]	<0.001	10.97 [9.41;12.78]	<0.001
	Close (<2 meter, >30 min.)	2.95 [2.69;3.23]	<0.001	30.43 [25.75;35.95]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.01 [0.92;1.09]	0.9	1.82 [1.66;1.99]	<0.001
	>50	1.01 [0.85;1.20]	0.92	1.18 [0.98;1.41]	0.074
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.76;0.91]	<0.001	0.89 [0.81;0.98]	0.014
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.81;0.97]	0.012	1.01 [0.92;1.11]	0.85
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.51;0.81]	<0.001	0.80 [0.64;1.01]	0.061
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.63 [0.45;0.88]	0.0061	1.16 [0.81;1.68]	0.42
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.13 [1.02;1.25]	0.019	1.54 [1.38;1.72]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.68;0.89]	<0.001	1.06 [0.93;1.22]	0.39
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.28 [1.17;1.41]	<0.001	1.66 [1.51;1.84]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.79;1.11]	0.42	1.26 [1.05;1.51]	0.013
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.51 [0.43;0.61]	<0.001	0.65 [0.54;0.78]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.01;1.20]	0.027	1.52 [1.40;1.66]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.33 [1.20;1.48]	<0.001	1.85 [1.66;2.06]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.10 [0.70;1.72]	0.68	1.91 [1.23;2.95]	0.0037
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.98;1.18]	0.15	1.25 [1.14;1.38]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.73;0.89]	<0.001	0.95 [0.86;1.06]	0.36
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.98 [0.89;1.07]	0.6	1.11 [1.00;1.22]	0.041
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.66;0.79]	<0.001	0.75 [0.68;0.82]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.76;0.90]	<0.001	0.87 [0.80;0.95]	0.0014
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.70;0.84]	<0.001	0.75 [0.69;0.83]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.92;1.07]	0.84	0.94 [0.87;1.02]	0.14
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.80;0.93]	<0.001	0.83 [0.77;0.90]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.74;0.87]	<0.001	0.76 [0.70;0.82]	<0.001

eTable 10. Subgroup Analysis of education level (ISCED group 0-1) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.83;0.97]	0.0051	0.85 [0.79;0.92]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.80;0.93]	<0.001	0.77 [0.71;0.83]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.93;1.09]	0.81	0.92 [0.85;1.00]	0.059
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.96;1.13]	0.28	1.01 [0.93;1.10]	0.77
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.47 [1.26;1.73]	<0.001	2.27 [1.89;2.72]	<0.001
	Yes, >50	1.54 [1.31;1.82]	<0.001	2.29 [1.89;2.76]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.53 [1.36;1.74]	<0.001	2.49 [2.16;2.87]	<0.001
	Outdoor	1.29 [0.89;1.87]	0.19	1.27 [0.86;1.86]	0.23
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.26 [1.03;1.53]	0.0215	3.06 [2.51;3.72]	<0.001
	Public employee	1.35 [1.13;1.62]	<0.001	5.61 [4.65;6.77]	<0.001
	Private employee	1.28 [1.07;1.52]	0.0066	2.16 [1.81;2.57]	<0.001
	Self employed	1.35 [1.08;1.69]	0.0095	2.03 [1.61;2.55]	<0.001
	Other	0.95 [0.75;1.21]	0.7004	1.25 [0.98;1.59]	0.069
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.97 [0.82;1.14]	0.6946	1.44 [1.22;1.70]	<0.001
	Own office	1.36 [1.09;1.68]	0.0052	1.96 [1.57;2.43]	<0.001
	Shared office	1.39 [1.17;1.65]	<0.001	2.42 [2.03;2.88]	<0.001
	Retail, library or factory worker	1.45 [1.21;1.73]	<0.001	1.60 [1.34;1.92]	<0.001
	Social care or education	1.45 [1.23;1.71]	<0.001	6.62 [5.52;7.93]	<0.001
	Healthcare sector	1.25 [1.03;1.52]	0.0257	7.67 [6.10;9.66]	<0.001
	Transport (e.g. bus/taxi-driver)	1.33 [0.92;1.94]	0.1304	1.75 [1.19;2.58]	0.0048
	Outdoors (e.g. gardener)	1.18 [0.93;1.51]	0.1705	1.36 [1.07;1.73]	0.0135
	Other	1.30 [1.09;1.56]	0.0041	1.89 [1.58;2.26]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.13 [1.01;1.26]	0.027	2.39 [2.12;2.69]	<0.001
	Yes, other	1.04 [0.94;1.15]	0.463	1.12 [1.01;1.24]	0.033
	Non-employed	0.89 [0.77;1.02]	0.093	0.58 [0.50;0.66]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.99 [0.90;1.09]	0.888	1.26 [1.14;1.39]	<0.001
	>5 persons	1.28 [1.09;1.50]	0.0028	1.92 [1.61;2.29]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.03 [0.93;1.13]	0.62	1.28 [1.16;1.42]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.88 [0.79;0.97]	0.014	0.99 [0.89;1.10]	0.86
	3rd quartile	0.91 [0.82;1.02]	0.107	1.09 [0.97;1.22]	0.15
	4th quartile	0.98 [0.86;1.10]	0.691	1.11 [0.98;1.25]	0.1
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.60 [1.42;1.80]	<0.001	2.69 [2.35;3.08]	<0.001

eTable 11. Subgroup Analysis of Education Level (ISCED 2-4)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.90 [1.73;2.09]	<0.001	15.28 [13.18;17.70]	<0.001
	Close (<2 meter, >30 min.)	3.04 [2.77;3.33]	<0.001	34.91 [29.21;41.72]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.09 [1.01;1.19]	0.035	1.86 [1.70;2.03]	<0.001
	>50	1.55 [1.30;1.84]	<0.001	3.07 [2.51;3.76]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.76;0.92]	<0.001	0.85 [0.77;0.94]	0.0015
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.79;0.93]	<0.001	0.93 [0.85;1.01]	0.1
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.71;1.02]	0.078	0.85 [0.70;1.02]	0.088
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.63;1.09]	0.18	1.34 [0.98;1.82]	0.063
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.06;1.26]	0.0017	1.44 [1.31;1.59]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.65;0.83]	<0.001	0.87 [0.77;0.99]	0.033
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.18;1.42]	<0.001	1.53 [1.39;1.69]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.72;0.95]	0.0068	0.94 [0.82;1.09]	0.44
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.42;0.64]	<0.001	0.60 [0.48;0.74]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.98;1.15]	0.13	1.27 [1.16;1.38]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.26 [1.13;1.40]	<0.001	1.50 [1.34;1.69]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.14 [0.67;1.92]	0.63	1.57 [0.88;2.81]	0.12
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.04;1.30]	0.008	1.46 [1.30;1.64]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.68;0.89]	<0.001	1.10 [0.96;1.25]	0.18
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.95;1.18]	0.33	1.37 [1.22;1.54]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.69;0.88]	<0.001	0.83 [0.73;0.95]	0.0057
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.91;1.10]	0.93	1.09 [0.98;1.20]	0.11
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.75;0.94]	0.0022	0.99 [0.88;1.11]	0.82
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.98;1.15]	0.17	1.10 [1.01;1.20]	0.026
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.77;0.92]	<0.001	0.90 [0.82;0.98]	0.016
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.67;0.78]	<0.001	0.56 [0.52;0.61]	<0.001

eTable 11. Subgroup Analysis of Education Level (ISCED 2-4) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.84;0.98]	0.014	1.00 [0.92;1.09]	0.97
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.84;0.97]	0.004	0.86 [0.79;0.93]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.83;0.99]	0.034	0.88 [0.80;0.97]	0.01
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.02;1.19]	0.011	1.10 [1.01;1.19]	0.021
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.49 [1.28;1.74]	<0.001	2.06 [1.73;2.45]	<0.001
	Yes, >50	1.89 [1.63;2.21]	<0.001	2.10 [1.78;2.47]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.70 [1.51;1.91]	<0.001	2.14 [1.88;2.43]	<0.001
	Outdoor	1.34 [0.90;1.99]	0.15	1.41 [0.94;2.11]	0.1
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.11 [0.78;1.58]	0.572	2.20 [1.53;3.18]	<0.001
	Public employee	1.28 [1.06;1.54]	0.0097	3.72 [3.06;4.52]	<0.001
	Private employee	1.16 [0.96;1.41]	0.1137	2.00 [1.64;2.43]	<0.001
	Self employed	1.30 [1.04;1.62]	0.0218	2.12 [1.69;2.67]	<0.001
Type of occupation	Other	1.17 [0.88;1.55]	0.2776	1.82 [1.36;2.44]	<0.001
	Non-employed	Ref	Ref	Ref	Ref
	At home	0.86 [0.71;1.04]	0.1254	1.36 [1.12; 1.66]	0.0021
	Own office	1.15 [0.93;1.42]	0.1958	2.31 [1.85; 2.89]	<0.001
	Shared office	1.25 [1.02;1.52]	0.0275	2.04 [1.67; 2.50]	<0.001
	Retail, library or factory worker	1.61 [1.20;2.17]	0.0017	2.55 [1.89; 3.46]	<0.001
	Social care or education	1.49 [1.22;1.81]	<0.001	5.98 [4.85; 7.38]	<0.001
	Healthcare sector	1.08 [0.87;1.33]	0.4852	7.71 [6.09; 9.77]	<0.001
	Transport (e.g. bus/taxi-driver)	1.29 [0.63;2.63]	0.4894	4.59 [1.97;10.72]	<0.001
	Outdoors (e.g. gardener)	1.03 [0.60;1.76]	0.9282	1.47 [0.79; 2.74]	0.2198
	Other	1.14 [0.90;1.45]	0.2872	1.99 [1.54; 2.57]	<0.001
	Non-employed	Ref	Ref	Ref	Ref
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.31 [1.19;1.45]	<0.001	3.78 [3.38;4.24]	<0.001
	Yes, other	1.19 [1.08;1.31]	<0.001	1.58 [1.43;1.74]	<0.001
Household size	Non-employed	0.90 [0.75;1.09]	0.28	0.62 [0.51;0.75]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.90 [0.82;0.99]	0.029	1.23 [1.12;1.36]	<0.001
Education level	>5 persons	1.07 [0.91;1.26]	0.441	1.60 [1.34;1.91]	<0.001
	ISCED 2	Ref	Ref	Ref	Ref
Income	ISCED 3&4	0.84 [0.77;0.90]	<0.001	0.73 [0.67;0.79]	<0.001
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.84 [0.75;0.95]	0.0052	1.06 [0.94;1.20]	0.354
	3rd quartile	0.84 [0.74;0.94]	0.0033	1.02 [0.90;1.15]	0.783
Ethnicity	4th quartile	0.78 [0.69;0.89]	<0.001	0.85 [0.75;0.97]	0.015
	Danish	Ref	Ref	Ref	Ref
	Other	1.15 [1.03;1.29]	0.012	2.70 [2.35;3.09]	<0.001

eTable 12. Subgroup Analysis of Household Size: 1-2 Members

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.69 [1.54;1.85]	<0.001	13.15 [11.49;15.05]	<0.001
	Close (<2 meter, >30 min.)	3.10 [2.85;3.37]	<0.001	33.35 [28.62;38.86]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.05 [0.97;1.13]	0.225	1.82 [1.68;1.97]	<0.001
	>50	1.22 [1.04;1.44]	0.013	1.69 [1.43;2.00]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.76;0.89]	<0.001	0.86 [0.79;0.94]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.81;0.95]	<0.001	1.02 [0.94;1.10]	0.66
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.69;0.97]	0.022	0.92 [0.77;1.10]	0.35
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.50;0.83]	<0.001	1.09 [0.82;1.45]	0.55
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.07;1.27]	<0.001	1.64 [1.50;1.79]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.70;0.88]	<0.001	1.03 [0.91;1.16]	0.65
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.24 [1.14;1.35]	<0.001	1.54 [1.41;1.68]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.97 [0.84;1.11]	0.63	1.21 [1.04;1.40]	0.011
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.53 [0.45;0.64]	<0.001	0.68 [0.57;0.80]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.02;1.18]	0.012	1.53 [1.42;1.65]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.26 [1.15;1.38]	<0.001	1.71 [1.56;1.89]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.36 [0.86;2.14]	0.19	1.98 [1.26;3.11]	0.0032
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.18 [1.07;1.29]	<0.001	1.41 [1.28;1.55]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.81;0.99]	0.034	1.11 [1.00;1.23]	0.055
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.00;1.20]	0.051	1.33 [1.21;1.46]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.76;0.92]	<0.001	0.85 [0.77;0.93]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.89;1.04]	0.32	0.99 [0.91;1.07]	0.72
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.77;0.92]	<0.001	0.84 [0.77;0.93]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.99;1.14]	0.071	1.00 [0.93;1.07]	0.9
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.89;1.03]	0.22	0.91 [0.84;0.98]	0.011
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.77;0.88]	<0.001	0.74 [0.69;0.80]	<0.001

eTable 12. Subgroup Analysis of Household Size: 1-2 Members (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.90;1.03]	0.3	0.94 [0.87;1.01]	0.087
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.85;0.97]	0.0046	0.81 [0.75;0.86]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.96;1.11]	0.43	0.92 [0.85;1.00]	0.044
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.09 [1.01;1.16]	0.019	1.02 [0.95;1.10]	0.56
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.55 [1.35;1.79]	<0.001	2.27 [1.94;2.66]	<0.001
	Yes, >50	1.72 [1.49;1.98]	<0.001	2.33 [2.00;2.73]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.67 [1.50;1.85]	<0.001	2.44 [2.16;2.75]	<0.001
	Outdoor	1.30 [0.92;1.82]	0.13	1.42 [1.00;2.01]	0.048
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.09 [0.91;1.30]	0.364	2.72 [2.27;3.27]	<0.001
	Public employee	1.29 [1.12;1.49]	<0.001	4.56 [3.94;5.28]	<0.001
	Private employee	1.28 [1.11;1.47]	<0.001	2.32 [2.01;2.68]	<0.001
	Self employed	1.25 [1.04;1.51]	0.017	2.06 [1.71;2.48]	<0.001
	Other	0.96 [0.78;1.17]	0.68	1.35 [1.11;1.65]	0.0032
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.95 [0.82;1.09]	0.452	1.54 [1.34; 1.78]	<0.001
	Own office	1.36 [1.14;1.62]	<0.001	2.48 [2.07; 2.96]	<0.001
	Shared office	1.41 [1.21;1.63]	<0.001	2.33 [2.01; 2.70]	<0.001
	Retail, library or factory worker	1.53 [1.27;1.84]	<0.001	1.89 [1.58; 2.27]	<0.001
	Social care or education	1.45 [1.25;1.69]	<0.001	6.75 [5.74; 7.94]	<0.001
	Healthcare sector	1.16 [0.99;1.37]	0.071	8.50 [7.00;10.32]	<0.001
	Transport (e.g. bus/taxi-driver)	0.98 [0.63;1.54]	0.938	1.50 [0.93; 2.41]	0.0926
	Outdoors (e.g. gardener)	1.20 [0.92;1.57]	0.186	1.47 [1.12; 1.91]	0.0048
	Other	1.20 [1.01;1.42]	0.038	1.91 [1.61; 2.27]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.14 [1.04;1.25]	0.0065	3.02 [2.72;3.36]	<0.001
	Yes, other	1.09 [1.00;1.20]	0.0504	1.29 [1.17;1.41]	<0.001
	Non-employed	0.84 [0.74;0.96]	0.0103	0.55 [0.48;0.63]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.02 [0.91;1.16]	0.7	1.36 [1.20;1.53]	<0.001
	ISCED 2	1.09 [0.96;1.24]	0.17	1.74 [1.53;1.97]	<0.001
	ISCED 3&4	0.95 [0.83;1.10]	0.51	1.38 [1.20;1.59]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.93 [0.84;1.02]	0.11	1.05 [0.96;1.16]	0.28
	3rd quartile	1.03 [0.92;1.14]	0.63	1.22 [1.10;1.36]	<0.001
	4th quartile	0.98 [0.88;1.09]	0.71	1.20 [1.08;1.34]	<0.001

Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.27 [1.14;1.40]	<0.001	3.22 [2.85;3.64]	<0.001

eTable 13. Subgroup Analysis of Household Size: 3-4 Members

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.77 [1.57;2.00]	<0.001	12.79 [10.62;15.39]	<0.001
	Close (<2 meter, >30 min.)	2.81 [2.51;3.15]	<0.001	28.68 [23.17;35.49]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.04 [0.94;1.15]	0.4353	1.85 [1.66;2.07]	<0.001
	>50	1.36 [1.11;1.68]	0.0038	1.87 [1.49;2.35]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.67;0.86]	<0.001	0.91 [0.80;1.05]	0.19
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.74;0.92]	<0.001	0.93 [0.83;1.04]	0.23
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.63;1.06]	0.12	0.80 [0.62;1.04]	0.093
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.70;1.52]	0.87	1.56 [1.01;2.41]	0.044
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.07;1.35]	0.0015	1.40 [1.23;1.58]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.63;0.84]	<0.001	0.87 [0.75;1.02]	0.079
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.15;1.45]	<0.001	1.60 [1.41;1.82]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.65;0.93]	0.0062	0.93 [0.77;1.13]	0.49
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.55 [0.43;0.69]	<0.001	0.62 [0.49;0.80]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.96;1.17]	0.24	1.18 [1.06;1.31]	0.002
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.38 [1.20;1.59]	<0.001	1.69 [1.45;1.97]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.50;1.57]	0.67	1.19 [0.68;2.10]	0.54
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.94;1.20]	0.33	1.22 [1.08;1.39]	0.0021
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.62;0.82]	<0.001	0.82 [0.71;0.95]	0.0073
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.80;1.03]	0.12	0.99 [0.87;1.13]	0.89
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.66 [0.58;0.75]	<0.001	0.66 [0.58;0.76]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.71;0.88]	<0.001	0.90 [0.81;1.01]	0.066
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.68;0.86]	<0.001	0.78 [0.69;0.88]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.98 [0.89;1.08]	0.74	1.00 [0.91;1.11]	0.96
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.69;0.83]	<0.001	0.77 [0.70;0.86]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.62;0.75]	<0.001	0.56 [0.51;0.62]	<0.001

eTable 13. Subgroup Analysis of Household Size: 3-4 Members (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.78;0.94]	<0.001	0.90 [0.81;0.99]	0.031
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.92 [0.84;1.01]	0.078	0.86 [0.78;0.94]	0.0013
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.82;1.01]	0.091	0.85 [0.76;0.95]	0.0055
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.01;1.22]	0.029	1.05 [0.95;1.15]	0.38
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.46 [1.20;1.77]	<0.001	2.06 [1.64;2.57]	<0.001
	Yes, >50	1.76 [1.44;2.16]	<0.001	1.89 [1.52;2.36]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.64 [1.41;1.91]	<0.001	2.08 [1.76;2.47]	<0.001
	Outdoor	1.04 [0.63;1.72]	0.88	1.11 [0.66;1.88]	0.69
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.45 [1.01;2.06]	0.0421	2.56 [1.80;3.66]	<0.001
	Public employee	1.45 [1.07;1.97]	0.0161	3.47 [2.54;4.72]	<0.001
	Private employee	1.23 [0.91;1.67]	0.1828	1.58 [1.16;2.15]	0.0034
	Self employed	1.66 [1.18;2.33]	0.0037	1.81 [1.28;2.55]	<0.001
	Other	1.50 [0.99;2.27]	0.0558	1.36 [0.89;2.06]	0.1532
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.93 [0.72;1.20]	0.5732	1.20 [0.92;1.55]	0.1728
	Own office	1.02 [0.76;1.36]	0.9005	1.70 [1.26;2.29]	<0.001
	Shared office	1.28 [0.99;1.66]	0.062	1.89 [1.44;2.47]	<0.001
	Retail, library or factory worker	1.45 [1.08;1.93]	0.0133	1.61 [1.19;2.17]	0.0019
	Social care or education	1.52 [1.18;1.95]	0.0012	5.41 [4.14;7.08]	<0.001
	Healthcare sector	1.29 [0.98;1.71]	0.0711	6.88 [5.01;9.44]	<0.001
	Transport (e.g. bus/taxi-driver)	1.89 [1.07;3.34]	0.028	3.38 [1.73;6.60]	<0.001
	Outdoors (e.g. gardener)	0.92 [0.61;1.39]	0.6955	1.23 [0.81;1.87]	0.329
Contact to people at work	Other	1.31 [0.98;1.75]	0.0674	1.82 [1.35;2.46]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.46 [1.29;1.66]	<0.001	3.30 [2.87;3.80]	<0.001
	Yes, other	1.21 [1.07;1.36]	0.0018	1.44 [1.27;1.64]	<0.001
Education level	Non-employed	1.07 [0.85;1.34]	0.5659	0.78 [0.62;0.98]	0.031
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.04 [0.85;1.26]	0.73	1.15 [0.94;1.40]	0.19
	ISCED 2	1.01 [0.82;1.24]	0.92	1.45 [1.17;1.80]	<0.001
Income	ISCED 3&4	0.84 [0.68;1.04]	0.11	0.99 [0.80;1.23]	0.95
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.77 [0.67;0.90]	<0.001	0.82 [0.70;0.96]	0.0162
	3rd quartile	0.76 [0.66;0.88]	<0.001	0.80 [0.69;0.94]	0.0058
Ethnicity	4th quartile	0.76 [0.65;0.88]	<0.001	0.74 [0.63;0.87]	<0.001
	Danish	Ref	Ref	Ref	Ref
	Other	1.25 [1.10;1.43]	<0.001	2.42 [2.06;2.85]	<0.001

eTable 14. Subgroup Analysis of Household Size: >5 Members

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.87 [1.31;2.65]	<0.001	16.24 [8.45; 31.22]	<0.001
	Close (<2 meter, >30 min.)	3.12 [2.22;4.38]	<0.001	45.34 [20.37;100.93]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.99 [0.73;1.35]	0.95	1.60 [1.13;2.25]	0.0074
	>50	0.89 [0.49;1.62]	0.7	1.24 [0.63;2.45]	0.5343
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.50;1.03]	0.073	1.29 [0.85;1.95]	0.23
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.66 [0.49;0.90]	0.008	0.98 [0.70;1.39]	0.93
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.41 [0.15;1.17]	0.095	0.23 [0.051;1.07]	0.062
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.57 [0.17;1.89]	0.36	2.39 [0.37;15.23]	0.36
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.11 [0.80;1.54]	0.52	1.29 [0.87;1.90]	0.2
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.61 [0.41;0.91]	0.015	0.79 [0.51;1.21]	0.28
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.14 [0.81;1.61]	0.46	1.43 [0.98;2.09]	0.067
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.67 [0.40;1.10]	0.11	0.75 [0.44;1.29]	0.3
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.38 [0.21;0.70]	0.0019	0.33 [0.15;0.72]	0.0056
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.75;1.34]	0.99	1.23 [0.91;1.67]	0.18
Bar	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.63;1.42]	0.79	1.42 [0.88;2.29]	0.15
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.11;4.87]	0.74	1.77 [0.31;10.18]	0.52
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.63;1.12]	0.24	1.05 [0.74;1.48]	0.8
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.50 [0.36;0.71]	<0.001	0.66 [0.44;0.98]	0.04
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.60;1.10]	0.17	1.06 [0.74;1.51]	0.76
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.50 [0.36;0.69]	<0.001	0.55 [0.38;0.80]	0.0018
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.62 [0.47;0.83]	<0.001	0.85 [0.62;1.16]	0.3
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.57 [0.42;0.78]	<0.001	0.65 [0.46;0.92]	0.016
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.70;1.15]	0.41	1.00 [0.74;1.34]	0.98
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.63 [0.49;0.83]	<0.001	0.58 [0.43;0.79]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.70 [0.54;0.90]	0.0055	0.50 [0.37;0.67]	<0.001

eTable 14. Subgroup Analysis of Household Size: >5 Members (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.56;0.92]	0.008	0.85 [0.64;1.13]	0.26
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.66;1.09]	0.19	0.70 [0.52;0.93]	0.014
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.58;1.00]	0.053	0.75 [0.54;1.03]	0.073
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.78;1.32]	0.9	1.28 [0.94;1.75]	0.12
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.11 [0.63;1.94]	0.72	2.05 [1.05;4.01]	0.035
	Yes, >50	0.89 [0.49;1.62]	0.71	1.78 [0.85;3.72]	0.125
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	0.94 [0.61; 1.46]	0.79	2.30 [1.29;4.09]	0.0047
	Outdoor	2.28 [0.49;10.60]	0.29	0.63 [0.15;2.66]	0.5258
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	0.24 [0.086;0.69]	0.0077	1.98 [0.72;5.44]	0.186
	Public employee	0.27 [0.106;0.69]	0.006	2.55 [1.08;5.99]	0.032
	Private employee	0.29 [0.113;0.74]	0.0098	1.15 [0.49;2.68]	0.751
	Self employed	0.31 [0.107;0.88]	0.0274	1.05 [0.39;2.82]	0.929
	Other	0.15 [0.034;0.61]	0.0088	1.06 [0.25;4.55]	0.936
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.38 [0.18;0.77]	0.0079	1.23 [0.55; 2.76]	0.621
	Own office	0.73 [0.33;1.62]	0.4331	2.80 [1.16; 6.78]	0.022
	Shared office	0.69 [0.33;1.44]	0.3185	1.86 [0.82; 4.24]	0.137
	Retail, library or factory worker	0.70 [0.30;1.62]	0.4062	1.35 [0.53; 3.45]	0.526
	Social care or education	0.74 [0.37;1.48]	0.3953	4.70 [2.09;10.58]	<0.001
	Healthcare sector	0.40 [0.18;0.86]	0.0198	5.52 [2.16;14.10]	<0.001
	Transport (e.g. bus/taxi-driver)	0.79 [0.18;3.37]	0.7495	4.83 [0.71;32.98]	0.108
	Outdoors (e.g. gardener)	1.27 [0.39;4.17]	0.6932	5.25 [1.25;22.07]	0.024
	Other	0.58 [0.25;1.33]	0.1986	2.36 [0.95; 5.86]	0.066
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.49 [1.03;2.14]	0.032	3.22 [2.12;4.88]	<0.001
	Yes, other	1.21 [0.85;1.72]	0.288	1.27 [0.86;1.88]	0.23
Education level	Non-employed	1.80 [0.94;3.43]	0.075	0.72 [0.36;1.45]	0.36
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	0.70 [0.40;1.22]	0.208	0.63 [0.31;1.27]	0.2
	ISCED 2	0.53 [0.30;0.93]	0.028	0.77 [0.38;1.55]	0.466
Income	ISCED 3&4	0.51 [0.29;0.90]	0.021	0.43 [0.21;0.87]	0.018
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.64 [0.45;0.93]	0.0185	0.82 [0.55;1.23]	0.33
	3rd quartile	0.63 [0.44;0.90]	0.011	0.71 [0.47;1.07]	0.1
	4th quartile	0.48 [0.31;0.75]	0.0011	0.39 [0.24;0.63]	<0.001
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	2.04 [1.49;2.81]	<0.001	3.06 [2.03;4.62]	<0.001

eTable 15. Subgroup Analysis of Ethnicity (Danish)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.87 [1.74;2.00]	<0.001	14.41 [12.99;15.99]	<0.001
	Close (<2 meter, >30 min.)	3.11 [2.91;3.33]	<0.001	35.48 [31.49;39.99]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.09 [1.03;1.16]	0.0041	1.91 [1.80;2.04]	<0.001
	>50	1.21 [1.07;1.38]	0.0026	1.75 [1.53;2.00]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.77;0.88]	<0.001	0.86 [0.80;0.92]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.82;0.93]	<0.001	0.99 [0.93;1.05]	0.74
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.69;0.91]	<0.001	0.85 [0.73;0.98]	0.023
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.59;0.93]	0.0083	1.17 [0.92;1.48]	0.2
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.12;1.28]	<0.001	1.59 [1.49;1.71]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.72;0.86]	<0.001	0.99 [0.91;1.09]	0.85
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.20;1.38]	<0.001	1.61 [1.50;1.73]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.82;1.01]	0.089	1.11 [0.99;1.24]	0.065
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.63 [0.55;0.73]	<0.001	0.79 [0.68;0.91]	0.0016
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.02;1.15]	0.0076	1.43 [1.34;1.51]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.28 [1.19;1.38]	<0.001	1.65 [1.52;1.78]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.31 [0.88;1.94]	0.18	2.23 [1.51;3.30]	<0.001
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.23 [1.14;1.33]	<0.001	1.49 [1.37;1.61]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.79;0.93]	<0.001	1.15 [1.05;1.26]	0.002
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.02;1.19]	0.011	1.39 [1.28;1.50]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.75;0.87]	<0.001	0.87 [0.81;0.95]	0.0012
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.89;1.01]	0.088	1.03 [0.96;1.10]	0.4
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.81;0.94]	<0.001	0.93 [0.86;1.00]	0.064
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.02;1.14]	0.0098	1.08 [1.02;1.15]	0.0067
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.85;0.95]	<0.001	0.92 [0.87;0.98]	0.0076
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.75;0.83]	<0.001	0.73 [0.69;0.77]	<0.001

eTable 15. Subgroup Analysis of Ethnicity (Danish) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.88;0.98]	0.0078	0.93 [0.88;0.99]	0.015
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.86;0.95]	<0.001	0.82 [0.78;0.87]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.97;1.10]	0.28	0.99 [0.92;1.05]	0.67
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.04;1.16]	<0.001	1.08 [1.02;1.14]	0.01
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.54 [1.38;1.73]	<0.001	2.22 [1.96;2.51]	<0.001
	Yes, >50	1.74 [1.55;1.95]	<0.001	2.23 [1.97;2.52]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.66 [1.52;1.81]	<0.001	2.36 [2.15;2.59]	<0.001
	Outdoor	1.35 [1.03;1.77]	0.031	1.32 [1.00;1.74]	0.05
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.24 [1.06;1.45]	0.0079	2.98 [2.54;3.50]	<0.001
	Public employee	1.39 [1.22;1.59]	<0.001	4.77 [4.18;5.44]	<0.001
	Private employee	1.31 [1.15;1.50]	<0.001	2.27 [1.99;2.58]	<0.001
	Self employed	1.43 [1.22;1.68]	<0.001	2.22 [1.89;2.60]	<0.001
	Other	0.97 [0.81;1.17]	0.7688	1.32 [1.10;1.59]	0.0032
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.99 [0.88;1.13]	0.923	1.55 [1.37; 1.76]	<0.001
	Own office	1.31 [1.13;1.52]	<0.001	2.42 [2.09; 2.82]	<0.001
	Shared office	1.45 [1.27;1.65]	<0.001	2.45 [2.15; 2.79]	<0.001
	Retail, library or factory worker	1.48 [1.26;1.72]	<0.001	1.80 [1.54; 2.10]	<0.001
	Social care or education	1.61 [1.42;1.83]	<0.001	6.88 [6.01; 7.87]	<0.001
	Healthcare sector	1.27 [1.10;1.46]	<0.001	8.75 [7.45;10.28]	<0.001
	Transport (e.g. bus/taxi-driver)	0.83 [0.55;1.27]	0.397	1.18 [0.76; 1.83]	0.47
	Outdoors (e.g. gardener)	1.26 [1.02;1.56]	0.032	1.47 [1.19; 1.82]	<0.001
	Other	1.32 [1.13;1.52]	<0.001	2.00 [1.73; 2.32]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.24 [1.15;1.33]	<0.001	3.05 [2.81;3.31]	<0.001
	Yes, other	1.11 [1.04;1.20]	0.0026	1.33 [1.23;1.43]	<0.001
Household size	Non-employed	0.85 [0.75;0.95]	0.0039	0.58 [0.51;0.64]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.97 [0.90;1.03]	0.33	1.31 [1.22;1.40]	<0.001
Education level	>5 persons	1.08 [0.96;1.22]	0.21	1.77 [1.56;2.02]	<0.001
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.05 [0.95;1.17]	0.322	1.35 [1.22;1.50]	<0.001
Income	ISCED 2	1.13 [1.01;1.26]	0.029	1.81 [1.62;2.02]	<0.001
	ISCED 3&4	0.94 [0.83;1.05]	0.285	1.31 [1.17;1.48]	<0.001
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.95 [0.88;1.03]	0.23	1.16 [1.07;1.26]	<0.001
	3rd quartile	1.01 [0.93;1.10]	0.75	1.28 [1.18;1.39]	<0.001
	4th quartile	1.00 [0.91;1.09]	0.94	1.20 [1.10;1.31]	<0.001

eTable 16. Subgroup Analysis of Ethnicity (Other)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.07 [0.83;1.38]	0.59	7.72 [4.52;13.18]	<0.001
	Close (<2 meter, >30 min.)	2.21 [1.77;2.76]	<0.001	12.87 [7.72;21.45]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.86 [0.70;1.06]	0.164	1.20 [0.89;1.61]	0.22
	>50	1.47 [1.01;2.16]	0.047	2.81 [1.57;5.05]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.65;0.99]	0.041	0.65 [0.49;0.86]	0.0026
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.62;0.91]	0.0037	0.79 [0.61;1.04]	0.096
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.50;1.61]	0.73	1.68 [0.64;4.41]	0.3
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.32;0.85]	0.0086	1.96 [0.81;4.70]	0.13
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.67;1.12]	0.27	1.38 [0.96;2.00]	0.086
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.51 [0.36;0.72]	<0.001	0.83 [0.50;1.37]	0.46
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.34 [1.07;1.69]	0.011	1.22 [0.89;1.66]	0.21
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.54;1.16]	0.24	1.16 [0.66;2.02]	0.61
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.27 [0.19;0.39]	<0.001	0.33 [0.21;0.54]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.09 [0.89;1.32]	0.4	1.26 [0.97;1.65]	0.089
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.41 [1.11;1.80]	0.0048	2.99 [2.03;4.40]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.36;1.54]	0.43	1.18 [0.44;3.21]	0.74
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	0.70 [0.58;0.85]	<0.001	0.81 [0.62;1.05]	0.1
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.65 [0.54;0.80]	<0.001	0.73 [0.55;0.95]	0.02
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.63;0.91]	0.0024	1.05 [0.82;1.34]	0.7
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.53;0.77]	<0.001	0.55 [0.42;0.72]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.62;0.87]	<0.001	0.72 [0.57;0.92]	0.0078
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.53;0.76]	<0.001	0.56 [0.43;0.72]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.64;0.89]	<0.001	0.70 [0.56;0.87]	0.0017
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.60;0.83]	<0.001	0.69 [0.55;0.87]	0.0019
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.59 [0.50;0.70]	<0.001	0.58 [0.46;0.73]	<0.001

eTable 16. Subgroup Analysis of Ethnicity (Other) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.66;0.92]	0.0029	0.87 [0.70;1.09]	0.24
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.73;1.01]	0.061	0.77 [0.62;0.96]	0.019
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.71;0.98]	0.03	0.64 [0.51;0.81]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.83;1.18]	0.92	0.89 [0.71;1.12]	0.33
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.06 [0.71;1.60]	0.773	1.46 [0.80;2.67]	0.213
	Yes, >50	1.46 [0.95;2.23]	0.085	1.85 [0.92;3.73]	0.087
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.43 [1.047;1.95]	0.024	1.77 [1.092;2.87]	0.021
	Outdoor	0.20 [0.047;0.88]	0.033	0.57 [0.061;5.44]	0.629
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	0.69 [0.43;1.12]	0.14	1.46 [0.81;2.63]	0.211
	Public employee	0.95 [0.63;1.42]	0.79	2.87 [1.78;4.63]	<0.001
	Private employee	0.76 [0.51;1.13]	0.17	2.23 [1.40;3.53]	<0.001
	Self employed	1.01 [0.61;1.69]	0.97	2.11 [1.11;3.99]	0.023
	Other	0.88 [0.50;1.54]	0.66	1.09 [0.58;2.05]	0.798
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.55 [0.38;0.81]	0.0023	1.21 [0.76; 1.90]	0.4222
	Own office	0.84 [0.52;1.36]	0.4736	2.12 [1.10; 4.09]	0.0245
	Shared office	0.77 [0.51;1.15]	0.1978	2.59 [1.52; 4.41]	<0.001
	Retail, library or factory worker	1.32 [0.82;2.12]	0.2471	2.35 [1.34; 4.13]	0.0029
	Social care or education	1.02 [0.68;1.53]	0.9096	5.79 [3.30;10.18]	<0.001
	Healthcare sector	0.89 [0.58;1.37]	0.5977	4.83 [2.61; 8.96]	<0.001
	Transport (e.g. bus/taxi-driver)	1.53 [0.77;3.02]	0.2254	2.45 [1.02; 5.86]	0.0439
	Outdoors (e.g. gardener)	0.60 [0.22;1.65]	0.3254	2.15 [0.40;11.70]	0.3754
	Other	0.78 [0.50;1.22]	0.2702	1.40 [0.81; 2.41]	0.227
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.43 [1.13;1.80]	0.0025	2.18 [1.56;3.04]	<0.001
	Yes, other	1.09 [0.86;1.38]	0.4693	1.08 [0.78;1.50]	0.645
Household size	Non-employed	1.27 [0.90;1.79]	0.1725	0.59 [0.39;0.89]	0.011
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.79 [0.64;0.97]	0.026	0.96 [0.74;1.25]	0.78
Education level	>5 persons	1.37 [1.00;1.87]	0.048	1.17 [0.79;1.73]	0.43
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	0.93 [0.68;1.28]	0.6686	0.72 [0.49;1.06]	0.1
Income	ISCED 2	0.77 [0.56;1.07]	0.1245	0.93 [0.61;1.41]	0.73
	ISCED 3&4	0.59 [0.42;0.83]	0.0022	0.98 [0.64;1.48]	0.91
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.74 [0.59;0.91]	0.0053	0.83 [0.63;1.11]	0.205
	3rd quartile	0.62 [0.48;0.79]	<0.001	0.90 [0.65;1.26]	0.55
	4th quartile	0.53 [0.40;0.70]	<0.001	0.69 [0.47;1.03]	0.068

eTable 17. Cases infected in the household compared to NC

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	Options
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	0.48 [0.36; 0.62]	<0.001	3.44 [2.55; 4.65]	<0.001
	Close (<2 meter, >30 min.)	13.92 [12.39;15.64]	<0.001	143.44 [119.59;172.03]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.66 [0.59;0.73]	<0.001	1.22 [1.09;1.37]	<0.001
	>50	0.70 [0.55;0.90]	0.0047	1.09 [0.85;1.40]	0.49
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.56;0.72]	<0.001	0.67 [0.59;0.76]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.54 [0.48;0.60]	<0.001	0.62 [0.56;0.69]	<0.001
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.53 [0.39;0.71]	<0.001	0.61 [0.46;0.82]	0.0011
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.42 [0.27;0.66]	<0.001	0.83 [0.53;1.31]	0.42
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.80;1.02]	0.097	1.15 [1.01;1.31]	0.033
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.68;0.92]	0.0028	0.99 [0.85;1.15]	0.87
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.94;1.19]	0.39	1.25 [1.11;1.41]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.63;0.93]	0.0075	0.95 [0.78;1.15]	0.59
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.40 [0.32;0.49]	<0.001	0.45 [0.36;0.56]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.71;0.87]	<0.001	1.03 [0.93;1.14]	0.57
Bar	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.65;0.87]	<0.001	0.95 [0.82;1.11]	0.51
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.33 [0.69;2.56]	0.39	1.91 [1.02;3.58]	0.043
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.85 [1.58;2.16]	<0.001	2.22 [1.89;2.60]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	1.48 [1.23;1.77]	<0.001	1.80 [1.51;2.16]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.70 [1.45;1.98]	<0.001	2.01 [1.72;2.36]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	1.35 [1.15;1.58]	<0.001	1.33 [1.13;1.57]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.44 [1.28;1.63]	<0.001	1.48 [1.31;1.68]	<0.001
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	1.45 [1.24;1.68]	<0.001	1.43 [1.22;1.66]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.39 [1.26;1.55]	<0.001	1.36 [1.22;1.51]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	1.22 [1.09;1.36]	<0.001	1.19 [1.07;1.33]	0.0018
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.09;1.32]	<0.001	1.03 [0.94;1.14]	0.51

eTable 17. Cases infected in the household compared to NC (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	1.09 [0.99;1.21]	0.08	1.11 [1.00;1.23]	0.043
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.98;1.17]	0.15	0.95 [0.87;1.04]	0.29
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.35 [1.20;1.52]	<0.001	1.26 [1.12;1.42]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.35 [1.23;1.48]	<0.001	1.33 [1.21;1.46]	<0.001
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	0.85 [0.68;1.07]	0.1592	1.40 [1.10;1.77]	0.0057
	Yes, >50	0.64 [0.49;0.85]	0.0016	0.79 [0.60;1.05]	0.1099
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	0.79 [0.65;0.94]	0.0096	1.17 [0.97;1.42]	0.104
	Outdoor	0.34 [0.15;0.77]	0.0101	0.35 [0.15;0.80]	0.013
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	0.89 [0.68;1.17]	0.4174	2.05 [1.57;2.68]	<0.001
	Public employee	0.71 [0.57;0.88]	0.0016	2.45 [1.99;3.03]	<0.001
	Private employee	0.87 [0.70;1.07]	0.1811	1.48 [1.21;1.82]	<0.001
	Self-employed	0.87 [0.67;1.13]	0.3039	1.44 [1.11;1.86]	0.0054
	Other	0.83 [0.61;1.15]	0.2662	1.05 [0.76;1.45]	0.7506
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.90 [0.74;1.10]	0.31	1.44 [1.18;1.76]	<0.001
	Own office	0.89 [0.70;1.13]	0.337	1.72 [1.35;2.20]	<0.001
	Shared office	0.93 [0.75;1.15]	0.485	1.69 [1.37;2.08]	<0.001
	Retail, library or factory worker	0.76 [0.57;1.00]	0.049	0.99 [0.75;1.31]	0.97
	Social care or education	0.69 [0.55;0.86]	<0.001	3.16 [2.53;3.96]	<0.001
	Healthcare sector	0.63 [0.50;0.81]	<0.001	4.48 [3.47;5.80]	<0.001
	Transport (e.g. bus/taxi-driver)	0.83 [0.47;1.47]	0.52	1.19 [0.66;2.17]	0.562
	Outdoors (e.g. gardener)	0.63 [0.41;0.95]	0.026	0.80 [0.53;1.21]	0.289
	Other	0.86 [0.66;1.11]	0.24	1.28 [0.99;1.64]	0.061
	No contact	Ref	Ref	Ref	Ref
Contact to people at work	Yes, close	0.67 [0.59;0.77]	<0.001	1.79 [1.56;2.06]	<0.001
	Yes, other	0.87 [0.77;0.97]	0.014	1.05 [0.93;1.18]	0.43
	Non-employed	1.09 [0.91;1.31]	0.364	0.71 [0.59;0.85]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
Household size	3 to 4 persons	1.85 [1.64;2.08]	<0.001	2.47 [2.20;2.78]	<0.001
	>5 persons	2.90 [2.43;3.47]	<0.001	4.55 [3.78;5.48]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.01 [0.83;1.23]	0.91	1.28 [1.05;1.55]	0.013
	ISCED 2	1.09 [0.89;1.32]	0.41	1.72 [1.41;2.10]	<0.001
	ISCED 3&4	1.09 [0.89;1.33]	0.42	1.53 [1.24;1.88]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	1.02 [0.88;1.18]	0.7838	1.21 [1.04;1.40]	0.011
	3rd quartile	1.10 [0.95;1.28]	0.2048	1.38 [1.19;1.61]	<0.001
	4th quartile	1.25 [1.07;1.46]	0.0046	1.45 [1.25;1.69]	<0.001
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.29 [1.13;1.48]	<0.001	2.87 [2.48;3.33]	<0.001

eTable 18. Main analysis adjusted for wearing a mask

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	Options
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.78 [1.66;1.90]	<0.001	14.07 [12.70;15.59]	<0.001
	Close (<2 meter, >30 min.)	2.99 [2.81;3.19]	<0.001	34.38 [30.55;38.68]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.06 [1.00;1.12]	0.046	1.84 [1.73;1.96]	<0.001
	>50	1.25 [1.11;1.40]	<0.001	1.81 [1.60;2.05]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.78;0.88]	<0.001	0.86 [0.81;0.92]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.81;0.91]	<0.001	0.97 [0.92;1.03]	0.37
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.68;0.89]	<0.001	0.85 [0.74;0.97]	0.018
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.70 [0.58;0.85]	<0.001	1.28 [1.03;1.59]	0.028
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.09;1.23]	<0.001	1.55 [1.44;1.65]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.70;0.82]	<0.001	0.96 [0.88;1.05]	0.4
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.27 [1.19;1.35]	<0.001	1.55 [1.45;1.66]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.80;0.98]	0.016	1.08 [0.97;1.20]	0.18
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.46;0.59]	<0.001	0.62 [0.54;0.70]	<0.001
Restaurants/cafés	No	Ref	Ref	Ref	Ref
	Yes	1.07 [1.02;1.13]	0.012	1.39 [1.31;1.47]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.20;1.39]	<0.001	1.67 [1.54;1.80]	<0.001
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.86 [1.68;2.07]	<0.001	2.59 [2.33;2.88]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	1.32 [1.14;1.54]	<0.001	2.57 [2.20;2.99]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.55 [1.40;1.71]	<0.001	2.25 [2.03;2.50]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.82;1.00]	0.061	1.12 [1.01;1.24]	0.038
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.98;1.13]	0.17	1.21 [1.13;1.30]	<0.001
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.90;1.09]	0.87	1.18 [1.07;1.29]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.14 [1.08;1.21]	<0.001	1.18 [1.11;1.26]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.94 [0.88;1.00]	0.034	0.98 [0.92;1.04]	0.56
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.74;0.83]	<0.001	0.71 [0.67;0.75]	<0.001

eTable 18. Main analysis adjusted for wearing a mask (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.93;1.04]	0.61	1.04 [0.98;1.10]	0.24
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.91;1.01]	0.13	0.88 [0.84;0.93]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.14 [1.07;1.22]	<0.001	1.09 [1.02;1.17]	0.015
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.14 [1.08;1.20]	<0.001	1.12 [1.06;1.19]	<0.001
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.49 [1.34;1.66]	<0.001	2.24 [1.99;2.52]	<0.001
	Yes, >50	1.72 [1.55;1.92]	<0.001	2.23 [1.98;2.51]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	1.63 [1.51;1.77]	<0.001	2.38 [2.17;2.61]	<0.001
	Outdoor	1.26 [0.97;1.63]	0.086	1.30 [0.99;1.70]	0.055
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.20 [1.03;1.39]	0.016	2.77 [2.38;3.21]	<0.001
	Public employee	1.33 [1.18;1.50]	<0.001	4.37 [3.86;4.93]	<0.001
	Private employee	1.23 [1.09;1.39]	<0.001	2.12 [1.88;2.39]	<0.001
	Self-employed	1.35 [1.17;1.57]	<0.001	2.10 [1.81;2.43]	<0.001
	Other	1.02 [0.86;1.21]	0.818	1.35 [1.14;1.60]	<0.001
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.93 [0.83;1.05]	0.2466	1.42 [1.27;1.60]	<0.001
	Own office	1.24 [1.08;1.43]	0.0018	2.19 [1.90;2.52]	<0.001
	Shared office	1.35 [1.20;1.53]	<0.001	2.25 [2.00;2.54]	<0.001
	Retail, library or factory worker	1.45 [1.26;1.67]	<0.001	1.81 [1.57;2.09]	<0.001
	Social care or education	1.51 [1.35;1.70]	<0.001	6.35 [5.60;7.20]	<0.001
	Healthcare sector	1.23 [1.08;1.41]	0.0016	7.96 [6.86;9.25]	<0.001
	Transport (e.g. bus/taxi-driver)	1.32 [0.97;1.81]	0.0751	1.99 [1.44;2.76]	<0.001
	Outdoors (e.g. gardener)	1.18 [0.96;1.44]	0.1161	1.30 [1.06;1.60]	0.012
Contact to people at work	Other	1.26 [1.10;1.45]	<0.001	1.92 [1.68;2.20]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.25 [1.16;1.34]	<0.001	3.08 [2.85;3.34]	<0.001
	Yes, other	1.11 [1.04;1.19]	0.0015	1.31 [1.22;1.40]	<0.001
	Non-employed	0.90 [0.81;0.99]	0.0387	0.61 [0.55;0.68]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.93 [0.87;1.00]	0.042	1.25 [1.17;1.34]	<0.001
	>5 persons	1.09 [0.97;1.23]	0.160	1.76 [1.55;1.99]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.06 [0.96;1.18]	0.25	1.39 [1.25;1.55]	<0.001
	ISCED 2	1.13 [1.01;1.25]	0.03	1.84 [1.65;2.05]	<0.001
	ISCED 3&4	0.94 [0.84;1.06]	0.32	1.37 [1.22;1.54]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.91 [0.84;0.98]	0.013	1.07 [0.99;1.16]	0.10
	3rd quartile	0.94 [0.87;1.02]	0.149	1.15 [1.06;1.25]	<0.001
	4th quartile	0.93 [0.86;1.02]	0.107	1.05 [0.96;1.14]	0.26
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.23 [1.13;1.33]	<0.001	2.76 [2.51;3.04]	<0.001

eTable 19. Main analysis adjusted for handwashing

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	Options
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.73 [1.61;1.85]	<0.001	13.30 [11.99;14.74]	<0.001
	Close (<2 meter, >30 min.)	2.93 [2.75;3.12]	<0.001	33.03 [29.32;37.22]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.06 [1.00;1.12]	0.057	1.87 [1.75;1.98]	<0.001
	>50	1.24 [1.10;1.40]	<0.001	1.80 [1.58;2.05]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.78;0.88]	<0.001	0.87 [0.81;0.93]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.80;0.90]	<0.001	0.97 [0.91;1.03]	0.31
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.67;0.88]	<0.001	0.85 [0.74;0.98]	0.024
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.67 [0.55;0.83]	<0.001	1.26 [1.00;1.58]	0.05
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.09;1.24]	<0.001	1.56 [1.45;1.67]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.70;0.83]	<0.001	0.97 [0.88;1.05]	0.43
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.28 [1.20;1.37]	<0.001	1.59 [1.49;1.70]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.79;0.97]	0.013	1.10 [0.98;1.22]	0.095
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.53 [0.46;0.60]	<0.001	0.63 [0.55;0.72]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.02;1.14]	0.005	1.41 [1.33;1.49]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.32 [1.23;1.42]	<0.001	1.70 [1.57;1.84]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.72;1.43]	0.93	1.31 [0.94;1.83]	0.12
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.64;0.79]	<0.001	0.93 [0.84;1.03]	0.17
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.95;1.13]	0.42	1.26 [1.15;1.37]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.67 [0.62;0.74]	<0.001	0.67 [0.62;0.74]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.95]	<0.001	0.93 [0.87;1.00]	0.051
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.70;0.82]	<0.001	0.76 [0.70;0.83]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.98;1.10]	0.22	0.99 [0.94;1.05]	0.82
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.80;0.89]	<0.001	0.82 [0.77;0.87]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.70;0.78]	<0.001	0.65 [0.62;0.69]	<0.001

eTable 19. Main analysis adjusted for handwashing (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.84;0.94]	<0.001	0.88 [0.83;0.93]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.85;0.94]	<0.001	0.78 [0.74;0.82]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.93;1.05]	0.69	0.87 [0.81;0.93]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.03;1.14]	0.004	1.02 [0.97;1.08]	0.43
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.48 [1.33;1.65]	<0.001	2.20 [1.95;2.49]	<0.001
	Yes, >50	1.69 [1.51;1.88]	<0.001	2.22 [1.96;2.51]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	1.61 [1.48;1.75]	<0.001	2.35 [2.14;2.58]	<0.001
	Outdoor	1.24 [0.95;1.61]	0.12	1.28 [0.98;1.69]	0.074
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.19 [1.02;1.38]	0.025	2.77 [2.38;3.23]	<0.001
	Public employee	1.33 [1.18;1.50]	<0.001	4.35 [3.84;4.92]	<0.001
	Private employee	1.23 [1.09;1.39]	<0.001	2.11 [1.86;2.38]	<0.001
	Self-employed	1.36 [1.17;1.58]	<0.001	2.14 [1.84;2.49]	<0.001
	Other	1.04 [0.87;1.24]	0.669	1.35 [1.14;1.61]	<0.001
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.94 [0.84;1.06]	0.3155	1.42 [1.26;1.60]	<0.001
	Own office	1.23 [1.07;1.41]	0.0039	2.27 [1.96;2.62]	<0.001
	Shared office	1.35 [1.19;1.52]	<0.001	2.25 [1.99;2.55]	<0.001
	Retail, library or factory worker	1.47 [1.27;1.70]	<0.001	1.79 [1.55;2.07]	<0.001
	Social care or education	1.49 [1.32;1.68]	<0.001	6.34 [5.58;7.21]	<0.001
	Healthcare sector	1.25 [1.09;1.43]	0.0010	8.04 [6.89;9.37]	<0.001
	Transport (e.g. bus/taxi-driver)	1.38 [1.01;1.89]	0.0450	2.01 [1.44;2.80]	<0.001
	Outdoors (e.g. gardener)	1.20 [0.97;1.47]	0.0932	1.40 [1.14;1.73]	0.0016
	Other	1.28 [1.12;1.47]	<0.001	1.87 [1.63;2.15]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.26 [1.17;1.35]	<0.001	3.11 [2.87;3.37]	<0.001
	Yes, other	1.12 [1.05;1.20]	<0.001	1.33 [1.24;1.42]	<0.001
	Non-employed	0.89 [0.80;0.99]	0.038	0.60 [0.54;0.67]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.95 [0.89;1.01]	0.102	1.28 [1.20;1.37]	<0.001
	>5 persons	1.13 [1.01;1.27]	0.034	1.83 [1.62;2.07]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.02 [0.92;1.12]	0.741	1.32 [1.19;1.46]	<0.001
	ISCED 2	1.06 [0.95;1.17]	0.296	1.73 [1.56;1.92]	<0.001
	ISCED 3&4	0.88 [0.79;0.99]	0.027	1.29 [1.15;1.44]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.89 [0.82;0.96]	0.0022	1.05 [0.97;1.13]	0.216
	3rd quartile	0.91 [0.85;0.99]	0.0255	1.10 [1.02;1.20]	0.016
	4th quartile	0.88 [0.81;0.96]	0.0025	1.03 [0.95;1.12]	0.462
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.31 [1.21;1.41]	<0.001	2.95 [2.69;3.23]	<0.001

eTable 20. Main analysis adjusted for wearing a mask and handwashing

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Qu Rate Ratio [CI]	Options
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.74 [1.62;1.86]	<0.001	13.70 [12.32;15.23]	<0.001
	Close (<2 meter, >30 min.)	2.95 [2.77;3.15]	<0.001	33.57 [29.70;37.94]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.06 [1.00;1.12]	0.052	1.87 [1.76;1.99]	<0.001
	>50	1.24 [1.10;1.40]	<0.001	1.84 [1.62;2.10]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.78;0.88]	<0.001	0.87 [0.82;0.93]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.80;0.90]	<0.001	0.97 [0.91;1.03]	0.36
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.67;0.88]	<0.001	0.86 [0.74;0.99]	0.037
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.55;0.83]	<0.001	1.26 [1.00;1.58]	0.05
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.08;1.23]	<0.001	1.57 [1.46;1.68]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.70;0.83]	<0.001	0.97 [0.89;1.06]	0.47
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.21;1.37]	<0.001	1.60 [1.49;1.71]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.79;0.98]	0.015	1.10 [0.98;1.22]	0.1
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.53 [0.46;0.60]	<0.001	0.63 [0.55;0.72]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.02;1.14]	0.0061	1.41 [1.33;1.50]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.32 [1.22;1.41]	<0.001	1.71 [1.58;1.85]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	1.14 [0.96;1.35]	0.12	2.12 [1.79;2.50]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.39 [1.25;1.55]	<0.001	1.99 [1.78;2.23]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.75;0.93]	0.0013	0.97 [0.87;1.09]	0.64
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.94;1.08]	0.8	1.12 [1.04;1.20]	0.0039
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.84;1.02]	0.12	1.05 [0.95;1.16]	0.32
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.05;1.18]	<0.001	1.10 [1.03;1.17]	0.0031
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.85;0.96]	0.0014	0.91 [0.86;0.98]	0.0068
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.73;0.82]	<0.001	0.69 [0.65;0.73]	<0.001
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.94 [0.89;1.00]	0.053	0.96 [0.90;1.02]	0.15

**eTable 20. Main analysis adjusted for wearing a mask and handwashing
(continued)**

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.88;0.98]	0.004	0.82 [0.77;0.86]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.03;1.18]	0.0049	1.02 [0.95;1.10]	0.63
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.04;1.16]	<0.001	1.05 [0.99;1.11]	0.1
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.48 [1.33;1.65]	<0.001	2.21 [1.96;2.50]	<0.001
	Yes, >50	1.69 [1.51;1.88]	<0.001	2.24 [1.98;2.53]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	1.61 [1.49;1.75]	<0.001	2.38 [2.17;2.61]	<0.001
	Outdoor	1.23 [0.94;1.60]	0.13	1.27 [0.96;1.67]	0.096
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.20 [1.03;1.39]	0.019	2.75 [2.36;3.20]	<0.001
	Public employee	1.34 [1.18;1.51]	<0.001	4.29 [3.79;4.86]	<0.001
	Private employee	1.23 [1.09;1.40]	<0.001	2.08 [1.84;2.35]	<0.001
	Self-employed	1.37 [1.18;1.60]	<0.001	2.14 [1.83;2.49]	<0.001
	Other	1.04 [0.87;1.24]	0.669	1.34 [1.12;1.59]	0.0012
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.94 [0.83;1.06]	0.2887	1.40 [1.24;1.58]	<0.001
	Own office	1.23 [1.07;1.42]	0.0036	2.24 [1.94;2.59]	<0.001
	Shared office	1.35 [1.19;1.53]	<0.001	2.23 [1.97;2.53]	<0.001
	Retail, library or factory worker	1.47 [1.27;1.70]	<0.001	1.77 [1.53;2.06]	<0.001
	Social care or education	1.49 [1.32;1.68]	<0.001	6.28 [5.52;7.15]	<0.001
	Healthcare sector	1.26 [1.10;1.43]	<0.001	7.95 [6.82;9.28]	<0.001
	Transport (e.g. bus/taxi-driver)	1.32 [0.96;1.82]	0.0853	1.90 [1.36;2.66]	<0.001
	Outdoors (e.g. gardener)	1.20 [0.97;1.48]	0.0877	1.37 [1.11;1.70]	0.0033
	Other	1.28 [1.11;1.47]	<0.001	1.87 [1.62;2.15]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.26 [1.18;1.36]	<0.001	3.14 [2.90;3.40]	<0.001
Contact to people at work	Yes, other	1.12 [1.05;1.20]	0.0011	1.33 [1.24;1.43]	<0.001
	Non-employed	0.89 [0.80;1.00]	0.0412	0.61 [0.55;0.68]	<0.001
	Household size	1 to 2 persons	Ref	Ref	Ref
Household size	3 to 4 persons	0.93 [0.87;0.99]	0.029	1.26 [1.17;1.35]	<0.001
	>5 persons	1.09 [0.96;1.23]	0.184	1.77 [1.56;2.02]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.07 [0.96;1.18]	0.24	1.38 [1.24;1.54]	<0.001
	ISCED 2	1.12 [1.01;1.25]	0.04	1.82 [1.63;2.04]	<0.001
	ISCED 3&4	0.93 [0.83;1.05]	0.25	1.36 [1.21;1.53]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.89 [0.83;0.97]	0.0059	1.07 [0.99;1.16]	0.0997
	3rd quartile	0.94 [0.87;1.02]	0.1402	1.14 [1.05;1.24]	0.0018
Ethnicity	4th quartile	0.92 [0.84;1.00]	0.0617	1.05 [0.97;1.15]	0.2338
	Danish	Ref	Ref	Ref	Ref
	Other	1.22 [1.12;1.32]	<0.001	2.73 [2.47;3.01]	<0.001

eTable 21. Symptomatic cases compared to symptomatic NC

Questions	Options	Cases compared to negative controls		
		Cases/controls	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	2104/4979	Ref	Ref
	Other	582/308	4.23 [3.53; 5.06]	<0.001
Daily contacts	Close (<2 meter, >30 min.)	622/166	8.78 [7.01;11.01]	<0.001
	<10	1876/3184	Ref	Ref
	10 to 50	1102/1841	0.98 [0.87;1.10]	0.6881
	>50	194/233	1.40 [1.09;1.78]	0.0078
Bus travel	No	2095/3603	Ref	Ref
	Yes	834/1450	0.97 [0.86;1.10]	0.67
Train travel	No	1533/2651	Ref	Ref
	Yes	1464/2467	1.00 [0.89;1.12]	0.96
Ferry travel	No	2755/4771	Ref	Ref
	Yes	126/219	1.03 [0.78;1.36]	0.81
Airplane travel	No	2818/4922	Ref	Ref
	Yes	54/62	1.40 [0.90;2.19]	0.14
Indoor sports	No	2158/3965	Ref	Ref
	Yes	775/1061	1.38 [1.21;1.57]	<0.001
Outdoor sports	No	2540/4293	Ref	Ref
	Yes	343/704	0.84 [0.70;1.00]	0.052
Visiting a gym	No	2094/3916	Ref	Ref
	Yes	832/1098	1.43 [1.26;1.63]	<0.001
Use of public swimming pool or sauna	No	2630/4510	Ref	Ref
	Yes	253/484	0.90 [0.74;1.10]	0.3
Grocery shopping	No	140/126	Ref	Ref
	Yes	2952/5067	0.56 [0.41;0.77]	<0.001
Restaurants/café	No	1167/2298	Ref	Ref
	Yes	1824/2781	1.35 [1.20;1.51]	<0.001
Bar	No	2223/4210	Ref	Ref
	Yes	677/789	1.66 [1.43;1.93]	<0.001
Wearing a mask	No	22/29	Ref	Ref
	Yes	3187/5257	0.53 [0.27;1.04]	0.066
Frequent handwashing	No	276/714	Ref	Ref
	Yes	3047/4757	1.76 [1.47;2.09]	<0.001
Frequent hand sanitizer use	No	183/326	Ref	Ref
	Yes	3140/5145	0.86 [0.63;1.16]	0.32
Sneezing in elbow	No	301/590	Ref	Ref
	Yes	3022/4881	1.05 [0.85;1.30]	0.65
Avoiding handshakes	No	278/444	Ref	Ref
	Yes	3045/5027	0.84 [0.67;1.06]	0.15
Avoiding hugs	No	589/1060	Ref	Ref
	Yes	2734/4411	1.02 [0.88;1.19]	0.76
Physical distancing	No	359/579	Ref	Ref
	Yes	2964/4892	0.86 [0.71;1.05]	0.15
Limiting public transport	No	985/1709	Ref	Ref
	Yes	2338/3762	1.06 [0.94;1.20]	0.35
Avoiding social events	No	875/1267	Ref	Ref
	Yes	2448/4204	0.77 [0.68;0.88]	<0.001
Staying more at home	No	1803/2543	Ref	Ref
	Yes	1520/2928	0.76 [0.68;0.85]	<0.001

eTable 21. Symptomatic sases compared to symptomatic NC (continued)

Questions	Options	Cases compared to negative controls		
		Cases/controls	Rate Ratio [CI]	P-value
Avoiding crowds	No	1022/1630	Ref	Ref
	Yes	2301/3841	0.93 [0.83;1.05]	0.26
Avoiding sports with others	No	1678/2630	Ref	Ref
	Yes	1645/2841	0.90 [0.80;1.00]	0.043
Limiting traveling	No	646/1104	Ref	Ref
	Yes	2677/4367	1.01 [0.87;1.17]	0.91
Limiting grocery shopping	No	2003/3308	Ref	Ref
	Yes	1320/2163	0.99 [0.89;1.11]	0.91
Attending large events	No	2691/4850	Ref	Ref
	Yes, >30	259/236	1.91 [1.52;2.40]	<0.001
	Yes, >50	261/211	2.13 [1.70;2.66]	<0.001
Indoor/outdoor events	No	2691/4850	Ref	Ref
	Indoor	478/404	2.06 [1.73;2.45]	<0.001
	Outdoor	37/42	1.44 [0.83;2.50]	0.19
Primary employment	Non-employed	258/384	Ref	Ref
	Student	409/569	1.24 [0.90;1.70]	0.197
	Public employee	1090/1801	1.39 [1.07;1.81]	0.013
	Private employee	1113/2011	1.18 [0.91;1.54]	0.213
	Self-employed	216/345	1.34 [0.97;1.84]	0.072
	Other	92/155	1.07 [0.70;1.63]	0.754
Type of occupation	Non-employed	299/430	Ref	Ref
	At home	662/1436	0.97 [0.76;1.25]	0.836
	Own office	254/400	1.32 [0.98;1.76]	0.065
	Shared office	558/935	1.28 [0.99;1.66]	0.058
	Retail, library or factory worker	190/281	1.36 [0.98;1.88]	0.063
	Social care or education	575/860	1.39 [1.07;1.79]	0.013
	Healthcare sector	331/419	1.66 [1.25;2.20]	<0.001
	Transport (e.g. bus/taxi-driver)	25/19	2.30 [1.00;5.29]	0.051
	Outdoors (e.g. gardener)	60/111	0.92 [0.57;1.48]	0.736
	Other	215/351	1.22 [0.90;1.65]	0.209
Contact to people at work	No contact	999/1905	Ref	Ref
	Yes, close	856/1227	1.40 [1.21;1.61]	<0.001
	Yes, other	982/1626	1.16 [1.02;1.33]	0.027
	Non-employed	321/485	0.92 [0.73;1.16]	0.473
Household size	1 to 2 persons	1974/2944	Ref	Ref
	3 to 4 persons	1075/2141	0.77 [0.68;0.88]	<0.001
	>5 persons	208/325	1.03 [0.80;1.34]	0.81
Education level	ISCED 0	399/636	Ref	Ref
	ISCED 1	1080/1597	1.17 [0.92;1.51]	0.204
	ISCED 2	1049/1669	1.28 [1.00;1.65]	0.051
	ISCED 3&4	677/1439	0.99 [0.76;1.28]	0.926
Income	1st quartile	911/1326	Ref	Ref
	2nd quartile	775/1385	0.89 [0.76;1.04]	0.156
	3rd quartile	812/1396	0.96 [0.82;1.14]	0.667
	4th quartile	759/1303	0.84 [0.70;1.00]	0.053
Ethnicity	Danish	2823/4955	Ref	Ref
	Other	500/516	1.62 [1.38;1.91]	<0.001

eTable 22. Cases with unknown source of infection compared to NC and UC

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.86 [0.78;0.95]	0.0018	1.56 [1.41;1.72]	<0.001
	>50	0.99 [0.81;1.22]	0.9538	1.36 [1.10;1.68]	0.0049
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.84;1.03]	0.18	0.97 [0.87;1.08]	0.58
Train travel	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.96;1.16]	0.26	1.23 [1.12;1.35]	<0.001
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.69;1.06]	0.16	0.98 [0.79;1.22]	0.86
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.58;1.06]	0.12	1.52 [1.10;2.11]	0.011
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.26 [1.14;1.40]	<0.001	1.68 [1.50;1.87]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.62;0.82]	<0.001	0.90 [0.78;1.04]	0.16
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.52 [1.37;1.68]	<0.001	1.87 [1.69;2.08]	<0.001
Use of public swimming pool	No	Ref	Ref	Ref	Ref
	Yes	1.10 [0.94;1.28]	0.24	1.31 [1.11;1.54]	0.0011
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.58 [0.47;0.72]	<0.001	0.71 [0.57;0.88]	0.0018
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.33 [1.22;1.46]	<0.001	1.77 [1.61;1.95]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.67 [1.49;1.87]	<0.001	2.20 [1.96;2.47]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.26 [0.72;2.22]	0.42	1.25 [0.72;2.17]	0.44
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	2.21 [1.00;4.92]	0.051	2.46 [1.09;5.52]	0.03
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.04;1.61]	0.021	1.66 [1.34;2.04]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.36 [1.16;1.60]	<0.001	1.66 [1.42;1.94]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.88;1.23]	0.61	1.05 [0.89;1.24]	0.55
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.10 [0.98;1.23]	0.11	1.12 [0.99;1.25]	0.063
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.92;1.24]	0.37	1.05 [0.91;1.22]	0.51
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.13 [1.03;1.24]	0.011	1.10 [1.00;1.21]	0.05
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.81;0.98]	0.019	0.85 [0.77;0.94]	0.0014
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.79;0.95]	0.0014	0.76 [0.69;0.83]	<0.001
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.88;1.05]	0.39	0.94 [0.86;1.03]	0.21
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.83;0.99]	0.022	0.78 [0.71;0.85]	<0.001

**eTable 22. Cases with unknown source of infection compared to NC and UC
(continued)**

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.97;1.19]	0.19	0.96 [0.86;1.07]	0.48
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.98;1.16]	0.15	1.00 [0.91;1.09]	0.95
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.78 [1.52;2.09]	<0.001	2.67 [2.24;3.18]	<0.001
	Yes, >50	2.37 [2.03;2.77]	<0.001	3.22 [2.72;3.81]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	2.09 [1.85;2.35]	<0.001	3.08 [2.70;3.51]	<0.001
	Outdoor	1.69 [1.16;2.45]	0.0057	1.93 [1.33;2.82]	<0.001
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.06 [0.84;1.34]	0.629	2.44 [1.93;3.09]	<0.001
	Public employee	1.09 [0.91;1.32]	0.352	3.46 [2.86;4.18]	<0.001
	Private employee	1.08 [0.90;1.31]	0.405	1.88 [1.56;2.27]	<0.001
	Self-employed	1.26 [1.00;1.59]	0.046	1.97 [1.56;2.49]	<0.001
	Other	0.97 [0.74;1.27]	0.807	1.20 [0.92;1.58]	0.18
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.97 [0.81;1.17]	0.7664	1.48 [1.24;1.77]	<0.001
	Own office	1.07 [0.86;1.33]	0.5358	2.08 [1.67;2.59]	<0.001
	Shared office	1.17 [0.97;1.41]	0.1094	2.00 [1.66;2.42]	<0.001
	Retail, library or factory worker	1.20 [0.95;1.52]	0.1293	1.49 [1.18;1.89]	<0.001
	Social care or education	1.00 [0.82;1.21]	0.9855	4.12 [3.37;5.04]	<0.001
	Healthcare sector	1.14 [0.92;1.40]	0.2211	7.45 [5.95;9.34]	<0.001
	Transport (e.g. bus/taxi-driver)	1.82 [1.17;2.84]	0.0078	2.44 [1.52;3.90]	<0.001
	Outdoors (e.g. gardener)	1.03 [0.73;1.44]	0.8842	1.18 [0.83;1.67]	0.35
	Other	1.06 [0.85;1.32]	0.6151	1.47 [1.18;1.83]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	0.95 [0.84;1.06]	0.36	2.32 [2.05;2.64]	<0.001
	Yes, other	1.03 [0.93;1.14]	0.58	1.22 [1.09;1.36]	<0.001
	Non-employed	0.92 [0.78;1.08]	0.31	0.61 [0.52;0.72]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.87 [0.78;0.97]	0.013	1.19 [1.07;1.33]	0.0015
	>5 persons	0.95 [0.78;1.17]	0.646	1.57 [1.28;1.94]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.07 [0.91;1.27]	0.41	1.43 [1.21;1.70]	<0.001
	ISCED 2	1.15 [0.96;1.37]	0.12	1.89 [1.58;2.25]	<0.001
	ISCED 3&4	0.98 [0.82;1.18]	0.85	1.46 [1.21;1.76]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.78 [0.68;0.88]	<0.001	0.88 [0.78;1.00]	0.048
	3rd quartile	0.80 [0.71;0.92]	<0.001	0.97 [0.86;1.11]	0.693
	4th quartile	0.85 [0.74;0.97]	0.02	0.98 [0.85;1.12]	0.726
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.45 [1.29;1.64]	<0.001	3.28 [2.86;3.76]	<0.001

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eText 1: Survey Instrument (The original Danish questionnaire is here translated into English.)**Regarding transmission and transmission event**

This page contains questions regarding a potential transmission event. There are also questions regarding contact with people with known infection. It is important that you answer accordingly to the period prior to the date provided in the survey. Even though it can be difficult to remember past events; it is important that you answer as accurately as possible.

Regarding your test on [date], what was the primary reason that you were tested:

- I had symptoms compatible with COVID
- I had an appointment at a hospital or elsewhere where a test was required (e.g. planned surgery or dentist appointment)
- I had been in contact with a person with known infection
- Due to professional reasons, e.g. as part of routine testing or business trip
- I had planned to visit a vulnerable person (e.g. at an institution)
- I had returned from or was going abroad (except business trips)
- I wanted a test prior to participating in an event (e.g. wedding, sports event or similar)
- I suspected that I could have been infected (e.g. after participating in a large event, e.g. concert, sports event)
- I had received a notification from SmitteStop app (Danish national contact-tracing app) notifying me that I had been in contact with one or more people with known infection
- Other reason

From whom do you think you have most likely caught the infection?

- Person in my household
- Family member/close friend
- Colleague/peripheral acquaintance
- I do not know from whom I was infected

If a person was identified in the question above:

Which distance have you kept to the person in question?

- Less than 2 meters
- More than 2 meters
- Do not know

How long have you been in contact with the person in question?

- Less than 30 minutes
- More than 30 minutes
- Do not know

Which of the following are relevant for your contact? (You may choose more than one answer)

- Share bedroom
- Share bathroom/toilet
- Taken meals together
- Travelled together by car
- Been in same room and had a conversation
- Been in same room where the person in question has spoken
- Used personal protective equipment such as face mask or shield
- None of the above

When do you think you were most likely infected?

- [Provide date]

Where do you think you were most likely infected?

- At home
- During daily activities, e.g. shopping, public transport or similar
- At work
- Private event
- Leisure activity
- Public event

- Public event with singing, loud speech, yelling
- Do not know

If a place was identified in the question above:

Did the event take place indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

How many people were present at this event?

- Less than 5 people
- 5-9 people
- 10-29 people
- 30-49 people
- 50-99 people
- More than 100 people

Apart from yourself, are you aware of others having been infected at this event?

- Yes
- No
- Do not know

If yes, how many people were infected?

- [Provide number]
- Do not know

Have you experienced symptoms in relation to your COVID infection?

- Yes
- No

If yes, when did you first experience symptoms

- [provide date]

Which symptoms did you experience during the first 1-2 weeks of infection (i.e. not long-effects)? (You may choose more than one answer)

- Fever/chills
- Tiredness or exhaustion
- Headache
- Dizziness
- Runny or congested nose
- Change or loss of smell/taste
- Sore throat
- Cough
- Dyspnea at rest
- Dyspnea at activity
- Chest pain or discomfort
- Loss of appetite
- Colored mucus from cough
- Nausea/vomiting
- Constipation
- Diarrhea
- Stomachache
- Muscle or joint pain
- Prickling sensation in hands or feet
- Concentration difficulty
- Difficulty with long term memory
- Difficulty with short term memory
- Sensibility to light or sound
- Screen fatigue
- Other

When would you say, you felt well again?

- [provide date]
- I am not well yet

Have you taken any sick leave due to COVID symptoms?

- Yes, 1-2 days
- Yes, 3-5 days (up to one work week)
- Yes, 6-10 days (up to two work weeks)
- Yes, 3-4 working weeks
- Yes, more than 4 weeks
- Yes, I am still on sick leave
- No, I have not needed sick leave
- No, I am not working/on leave/retired

Have you experienced symptoms, which you suspect are long-term effects of COVID?

- Yes, I am still experiencing long-term effects
- Yes, but I am not experiencing long-term effects any longer
- No

If yes, but no longer, please provide your best estimate of when you no longer experienced symptoms.

- [provide date]

Which symptoms are you or have you experienced that you consider to be long-term effects of COVID? (You may choose more than one answer)

- Fever/chills
- Tiredness or exhaustion
- Headache
- Dizziness
- Runny or congested nose
- Change or loss of smell/taste
- Sore throat
- Cough
- Dyspnea at rest
- Dyspnea at activity
- Chest pain or discomfort
- Loss of appetite
- Colored mucus from cough
- Nausea/vomiting
- Constipation
- Diarrhea
- Stomachache
- Muscle or joint pain
- Prickling sensation in hands or feet
- Concentration difficulty
- Difficulty with long term memory
- Difficulty with short term memory
- Sensibility to light or sound
- Screen fatigue
- Other

Are you aware or do you suspect that you have infected others (you may choose more than one answer)?

- Yes, people in my household
- Yes, family members/close friends
- Yes, colleagues/peripheral acquaintances
- No, I do not think I have infected others

If yes, how many people do you think you have infected?

- [provide number]

- Do not know

Please answer the following questions in regard to the person you are most certain that you have passed the infection on to.

Which distance have you kept to the person in question?

- Less than 2 meters
- More than 2 meters
- Do not know

How long have you been in contact with the person in question?

- Less than 30 minutes
- More than 30 minutes
- Do not know

Which of the following are relevant for your contact? (You may choose more than one answer)

- Share bedroom
- Share bathroom/toilet
- Taken meals together
- Travelled together by car
- Been in same room and had a conversation
- Been in same room where the person in question has spoken
- Used personal protective equipment such as face mask or shield
- None of the above

When did you most likely pass on the infection?

- [provide date]

Under which circumstances have you most likely passed on the infection?

- At home
- During daily activities, e.g. shopping, public transport or similar
- At work
- Private event
- Leisure activity
- Public event
- Public event with singing, loud speech, yelling
- Do not know

If a place was identified in the question above:

Did the event take place indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

How many people were present at this event?

- Less than 5 people
- 5-9 people
- 10-29 people
- 30-49 people
- 50-99 people
- More than 100 people

During the 1-14 days period prior to being tested positive on the [date provided], are you aware of having been in contact with a person with known infection? (During a period where the person could have been contagious)

- Yes
- No, not to my knowledge

What is your relation to this person? (If there is more than one, please answer in relation to the closest contact)

- Person in my household
- Family member/close friend
- Colleague/peripheral acquaintance
- Other

Which distance have you kept to the person in question?

- Less than 2 meters
- More than 2 meters
- Do not know

How long have you been in contact with the person in question?

- Less than 30 minutes
- More than 30 minutes
- Do not know

Which of the following are relevant for your contact? (You may choose more than one answer)

- Share bedroom
- Share bathroom/toilet
- Taken meals together
- Travelled together by car
- Been in same room and had a conversation
- Been in same room where the person in question has spoken
- Used personal protective equipment such as face mask or shield
- None of the above

Under which circumstances have you been in contact with a person with known infection?

- At home
- During daily activities, e.g. shopping, public transport or similar
- At work
- Private event
- Leisure activity
- Public event
- Public event with singing, loud speech, yelling
- Do not know

If a place was identified in the question above:

Did the event take place indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

How many people were present at this event?

- Less than 5 people
- 5-9 people
- 10-29 people
- 30-49 people
- 50-99 people
- More than 100 people

During the 15-28 days period prior to being tested positive on the [date provided], are you aware of having been in contact with a person with known infection? (During a period where the person could have been contagious)

- Yes
- No, not to my knowledge

What is your relation to this person? (If there is more than one, please answer in relation to the closest contact)

- Person in my household
- Family member/close friend
- Colleague/peripheral acquaintance
- Other

Which distance have you kept to the person in question?

- Less than 2 meters
- More than 2 meters
- Do not know

How long have you been in contact with the person in question?

- Less than 30 minutes
- More than 30 minutes
- Do not know

Which of the following are relevant for your contact? (You may choose more than one answer)

- Share bedroom
- Share bathroom/toilet
- Taken meals together
- Travelled together by car
- Been in same room and had a conversation
- Been in same room where the person in question has spoken
- Used personal protective equipment such as face mask or shield
- None of the above

Under which circumstances have you been in contact with a person with known infection?

- At home
- During daily activities, e.g. shopping, public transport or similar
- At work
- Private event
- Leisure activity
- Public event
- Public event with singing, loud speech, yelling
- Do not know

If a place was identified in the question above:

Did the event take place indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

How many people were present at this event?

- Less than 5 people
- 5-9 people
- 10-29 people
- 30-49 people
- 50-99 people
- More than 100 people
-

Regarding activities and precautions taken against COVID-19 infection

This page contains questions regarding your activities and the precautions you have taken to avoid Coronavirus infection. It is important that you answer accordingly to the period prior to the date provided in the survey. Even though it can be difficult to remember past events; it is important that you answer as accurately as possible.

Have you in the period prior to being tested positive for Coronavirus on the [date provided] participated in any large events? (Provide one answer for each period. If you have participated in more than one event during the same period, please answer in relation to the event with the highest number of participants.

0-14 days prior to the [date provided]

- Yes, more than 30 people
- Yes, more than 50 people
- Yes, more than 100 people
- No

Was the event predominantly indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

Which type of event was it?

- Private event
- Work related event
- Leisure time event
- Public event
- Public event with singing/loud speech/yelling

15-28 days prior to the [date provided]

- Yes, more than 30 people
- Yes, more than 50 people
- Yes, more than 100 people
- No

Was the event predominantly indoors or outdoors?

- Predominantly indoors
- Predominantly outdoors

Which type of event was it?

- Private event
- Work related event
- Leisure time event
- Public event
- Public event with singing/loud speech/yelling

Which precautions have you taken against Coronavirus since March 1st 2020?

- Frequent handwashing
- Frequent use of hand sanitizer
- Cough/sneeze in sleeve
- Avoided shaking hands
- Avoided hugging/cheek kissing
- Kept 1-2 meters distance to strangers as recommended by the Danish Health Authority
- Limited use of public transport
- Stayed at home/canceled social events
- Worked more from home
- Avoided places with many people
- Avoided sport/leisure time activities with other people
- Limited travel within the country and abroad
- Changed shopping habits
- Other

Have you adhered to the public requirement of using face masks/shields?

- No
- Yes
- Yes, I use it more than what is required

During the period 0-14 days prior to being tested positive for Coronavirus on the [date provided], how often have you on average...?

- Traveled by bus
- Traveled by train/subway
- Traveled with ferry
- Traveled with plane
- Participated in indoor sports/ leisure time activities
- Participated in outdoor sports/ leisure time activities
- Been to a fitness center
- Been to a public swimming pool
- Been grocery shopping
- Dined at cafés/restaurants
- Been to a bar

During the period 15-28 days prior to being tested positive for Coronavirus on the [date provided], how often have you on average....?

- Traveled by bus
- Traveled by train/subway
- Traveled with ferry
- Traveled with plane
- Participated in indoor sports/ leisure time activities
- Participated in outdoor sports/ leisure time activities
- Been to a fitness center
- Been to a public swimming pool
- Been grocery shopping
- Dined at caf  s/restaurants
- Been to a bar

During the period prior to being tested positive for Coronavirus on the [date provided] travelled abroad?

- Yes, 0-14 days prior to [test date provided]
- Yes, 15-28 days prior to [test date provided]
- No

If yes, please provide

- Date of departure
- Destination
- Duration of stay

Regarding general health and working situation

This page contains questions regarding your general health and working situation

It is important that you answer accordingly to the period prior to the date provided in the survey. Even though it can be difficult to remember past events; it is important that you answer as accurately as possible.

In general, how do you perceive your own health?

- Really good – I do not experience any limitations due to health issues in my everyday life
- Good – I only rarely experience limitations due to health issues in my everyday life
- OK – I can do most things, but I do to some extent experience limitations due to health issues in my everyday life
- Poor – I experience limitations due to health issues for the most part in my everyday life

How would you describe your physical condition?

- Really good – I exercise several times a week
- Good – I generally have a high level of physical activity
- OK – I do not exercise regularly, but I can do moderate physical activity without shortness of breath
- Not good – I experience shortness of breath if I do anything above light physical activity
- Poor – I experience shortness of breath with even slight physical activity

How tall are you (centimeters)?

How much do you weigh (kilograms)?

Do you smoke?

- No, I have never smoked
- No, not any more
- Yes, I smoke

What is your average weekly alcohol consumption?

- I never drink
- ≤ 7 units per week
- ≤ 14 unites per week
- > 14 units per week

What is your primary occupation?

- Student
- Public employee
- Private employee
- Independent business owner
- Out of the labor force
- Other

Are you primarily working?

- From home
- Your own office (including mobile offices, such as truck driver, delivery service)
- Open office
- Public space, e.g. shop, library, factory or similar
- In an institution, e.g. school, nursing home or similar
- In the health sector, e.g. general practice or hospital
- With public transport, e.g. taxi driver, bus driver, train driver or similar
- Outdoors, e.g. gardener, builder or similar
- I am out of the labor force
- Other

Does your work entail contact with customers/patients/clients or similar?

- Yes, close contact
- Yes, some contact, but not close
- No, no contact
- I am out of the labor force

During the period 0-14 days prior to being tested positive for Coronavirus on the [date provided], how many people were you typically in contact with daily, i.e. you were in the same room?

- Less than 10
- 10-29
- 30-49
- 50-69
- 70-99
- More than 100

During the period 15-28 days prior to being tested positive for Coronavirus on the [date provided], how many people were you typically in contact with daily, i.e. you were in the same room?

- Less than 10
- 10-29
- 30-49
- 50-69
- 70-99
- More than 100

This is the end of the questionnaire. If you have any questions or additional comments you may add them here. Thank you for your participation!

eTable 1: Variables obtained from Statistics Denmark

Variable	Description
Education level	The participants' highest achieved education level was obtained in 2020 and categorized into 4 groups in accordance with the International Standard Classification of Education (ISCED). First category refers to early childhood, primary education, and lower secondary education ISCED levels 0–2. Second category refers to general upper secondary education and vocational upper secondary education ISCED level 3. Third category refers to short-cycle tertiary, medium-length tertiary and bachelor's-level education or equivalent ISCED levels 5–6. Fourth category refers to second-cycle, master's level or the equivalent and PhD ISCED levels 7–8. In Denmark, no education is classified as ISCED level 4.
Income	Participant's income was assessed in 2020 using the measurement equivalized income provided by Statistics Denmark. This income measure ensures comparability between different households as it accounts for family size. The equivalized income measure is based on the Organization for Economic Cooperation and Development modified scale, where a family's total income is weighted and redistributed equally among all family members assigning the same equivalized income to each member. The populations income was divided into quartiles. 1 st quartile contains the population with the lowest quartile of income and the 4 th with the highest income.
Ethnicity	Participants ethnic background was categorized into either ethnic Danes or other. In this study, ethnic Danes are defined as having at least one parent who originates from Denmark and has Danish citizenship. Other reference to participants who are either born in- or outside Denmark, but have no parents born in Denmark. The categorization was performed in accordance with Statistics Denmark's definition.
Household size	Household size refers to the total number of family members in a household assessed in 2020.

eTable 2. Comparison of Baseline Characteristics Between Respondents and Non-respondents

Characteristics	Nonrespondents (n=130,062)	Respondents (n=93,121)	Total (n=223,183)
Age, median [IQR]	33 [25, 48]	45 [30, 56]	38 [27, 52]
Missing	739	172	911
Sex, No. (%)			
Female	59,914 (46.3)	53,742 (57.8)	113,656 (51.1)
Male	69,409 (53.7)	39,207 (42.2)	108,616 (48.9)
Missing	739	172	911
Ethnicity, No. (%)			
Danish	101,653 (78.2)	84,818 (91.1)	186,471 (83.6)
Other	28,409 (21.8)	8,303 (8.9)	36,712 (16.4)
Household size, No. (%)			
1 to 2 persons	75,309 (59.4)	54,939 (59.8)	130,248 (59.6)
3 to 4 persons	41,457 (32.7)	31,474 (34.3)	72,931 (33.4)
≥ 5 persons	9,916 (7.8)	5,434 (5.9)	15,350 (7.0)
Missing	3,380	1,274	4,654

eTable 3. Subgroup Analysis of Professions (Without High Risk)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.64 [1.51;1.79]	<0.001	12.22 [10.85;13.75]	<0.001
	Close (<2 meter, >30 min.)	2.98 [2.77;3.21]	<0.001	32.12 [28.25;36.51]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.04 [0.97;1.12]	0.276	1.42 [1.31;1.53]	<0.001
	>50	1.20 [1.01;1.41]	0.035	1.18 [1.00;1.39]	0.048
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.75;0.88]	<0.001	0.83 [0.77;0.90]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.79;0.91]	<0.001	0.98 [0.92;1.05]	0.66
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.65;0.89]	<0.001	0.84 [0.72;0.99]	0.032
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.55;0.85]	<0.001	1.38 [1.09;1.76]	0.0083
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.08;1.25]	<0.001	1.60 [1.48;1.73]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.72;0.87]	<0.001	1.03 [0.94;1.14]	0.52
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.20;1.39]	<0.001	1.64 [1.52;1.77]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.78;1.00]	0.045	1.12 [0.99;1.27]	0.08
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.47 [0.41;0.54]	<0.001	0.59 [0.51;0.68]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.04;1.19]	0.0014	1.55 [1.45;1.66]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.39 [1.28;1.50]	<0.001	1.84 [1.69;2.00]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.13 [0.77;1.65]	0.54	1.75 [1.19;2.57]	0.0043
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	0.98 [0.91;1.05]	0.52	1.05 [0.97;1.13]	0.21
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.67;0.79]	<0.001	0.77 [0.71;0.84]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.84;0.97]	0.0039	0.98 [0.91;1.05]	0.55
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.63;0.74]	<0.001	0.62 [0.58;0.67]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.76;0.87]	<0.001	0.80 [0.75;0.86]	<0.001
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.69;0.79]	<0.001	0.69 [0.64;0.74]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.92 [0.87;0.98]	0.0084	0.89 [0.84;0.95]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.73;0.82]	<0.001	0.74 [0.70;0.79]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.69;0.78]	<0.001	0.86 [0.81;0.92]	<0.001

eTable 3. Subgroup Analysis of Professions (Without High Risk) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.77;0.87]	<0.001	0.80 [0.76;0.85]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.80;0.89]	<0.001	0.73 [0.69;0.78]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.95]	<0.001	0.77 [0.72;0.82]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.93;1.05]	0.71	0.95 [0.89;1.01]	0.096
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.58 [1.39;1.79]	<0.001	2.42 [2.10;2.78]	<0.001
	Yes, >50	1.88 [1.66;2.13]	<0.001	2.41 [2.11;2.76]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.75 [1.59;1.92]	<0.001	2.58 [2.33;2.87]	<0.001
	Outdoor	1.41 [1.05;1.90]	0.023	1.42 [1.05;1.91]	0.021
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.25 [1.11;1.40]	<0.001	1.55 [1.38;1.75]	<0.001
	Yes, other	1.10 [1.03;1.19]	0.0073	1.17 [1.09;1.26]	<0.001
Household size	Non-employed	0.91 [0.81;1.01]	0.0798	0.61 [0.55;0.68]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.92 [0.85;0.99]	0.022	1.27 [1.17;1.37]	<0.001
	>5 persons	1.12 [0.98;1.28]	0.09	1.88 [1.64;2.16]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.00 [0.90;1.11]	0.9886	1.23 [1.10;1.37]	<0.001
	ISCED 2	1.01 [0.90;1.13]	0.9273	1.42 [1.27;1.59]	<0.001
	ISCED 3&4	0.84 [0.74;0.94]	0.0039	1.25 [1.11;1.41]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.83 [0.76;0.91]	<0.001	0.94 [0.86;1.03]	0.18
	3rd quartile	0.85 [0.78;0.93]	<0.001	1.05 [0.96;1.15]	0.26
	4th quartile	0.82 [0.75;0.90]	<0.001	1.05 [0.96;1.15]	0.31
Contact to people at work	Danish	Ref	Ref	Ref	Ref
	Other	1.39 [1.28;1.52]	<0.001	3.25 [2.95;3.59]	<0.001

eTable 4. Subgroup Analysis of Professions (High Risk)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	2.03 [1.78;2.32]	<0.001	8.77 [6.91;11.13]	<0.001
	Close (<2 meter, >30 min.)	2.96 [2.59;3.40]	<0.001	26.46 [18.80;37.23]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.92 [0.82;1.04]	0.17	1.00 [0.85;1.17]	0.96
	>50	1.15 [0.94;1.41]	0.17	1.19 [0.90;1.56]	0.21
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.73;0.95]	0.0045	0.75 [0.64;0.88]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.77;0.98]	0.023	0.85 [0.73;0.99]	0.04
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.61;1.12]	0.23	0.93 [0.63;1.37]	0.71
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.41;1.24]	0.23	0.92 [0.45;1.88]	0.83
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.21 [1.05;1.39]	0.0079	1.35 [1.11;1.63]	0.0021
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.53;0.78]	<0.001	0.76 [0.59;0.98]	0.035
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.23 [1.08;1.41]	0.0027	1.24 [1.04;1.49]	0.019
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.67;1.04]	0.11	0.86 [0.65;1.13]	0.27
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.50;0.92]	0.013	0.58 [0.37;0.89]	0.013
Restaurants/cafés	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.94;1.18]	0.38	1.08 [0.92;1.25]	0.34
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.11 [0.94;1.31]	0.22	1.33 [1.07;1.66]	0.0097
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.32 [0.65;2.68]	0.44	1.25 [0.55;2.82]	0.59
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	2.05 [1.62;2.61]	<0.001	2.62 [1.95;3.52]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	2.14 [1.36;3.36]	0.001	3.92 [2.33;6.59]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	2.19 [1.69;2.83]	<0.001	2.73 [2.00;3.74]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	1.22 [0.95;1.56]	0.12	1.44 [1.06;1.96]	0.018
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.17 [1.00;1.35]	0.043	1.41 [1.16;1.70]	<0.001
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.86;1.27]	0.68	1.60 [1.25;2.05]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.38 [1.23;1.56]	<0.001	1.63 [1.39;1.90]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	1.23 [1.08;1.39]	0.002	1.37 [1.16;1.62]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.76;0.99]	0.042	0.67 [0.56;0.79]	<0.001

eTable 4. Subgroup Analysis of Professions (High Risk) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	1.18 [1.05;1.34]	0.006	1.43 [1.22;1.67]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	1.09 [0.98;1.21]	0.13	1.04 [0.90;1.20]	0.58
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.43 [1.23;1.66]	<0.001	1.29 [1.05;1.58]	0.015
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.36 [1.21;1.51]	<0.001	1.46 [1.26;1.69]	<0.001
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.18 [0.95;1.47]	0.1319	1.28 [0.96;1.71]	0.093
	Yes, >50	1.40 [1.09;1.81]	0.0089	1.49 [1.07;2.08]	0.018
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.32 [1.10;1.57]	0.0022	1.45 [1.15;1.83]	0.0019
	Outdoor	0.84 [0.46;1.55]	0.5808	0.80 [0.37;1.70]	0.5535
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.04 [0.80;1.35]	0.76	1.51 [1.11;2.06]	0.0086
	Yes, other	1.00 [0.76;1.33]	0.97	1.14 [0.82;1.58]	0.4466
	Non-employed	0.80 [0.42;1.52]	0.5	0.46 [0.21;1.01]	0.0534
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.99 [0.87;1.13]	0.91	1.09 [0.92;1.30]	0.32
	>5 persons	1.17 [0.93;1.48]	0.19	1.28 [0.94;1.75]	0.12
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.01 [0.79;1.29]	0.92	1.69 [1.24;2.29]	<0.001
	ISCED 2	1.16 [0.91;1.48]	0.23	1.36 [1.00;1.84]	0.047
	ISCED 3&4	1.06 [0.80;1.39]	0.69	1.32 [0.93;1.87]	0.115
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	1.01 [0.86;1.18]	0.93	1.01 [0.82;1.24]	0.93
	3rd quartile	1.06 [0.90;1.25]	0.49	1.00 [0.79;1.25]	0.97
Contact to people at work	4th quartile	1.07 [0.89;1.30]	0.47	0.94 [0.73;1.21]	0.62
	Danish	Ref	Ref	Ref	Ref
	Other	1.20 [1.01;1.41]	0.036	2.07 [1.60;2.67]	<0.001

eTable 5. Subgroup Analysis of Sex: Males

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.56 [1.41;1.73]	<0.001	10.78 [9.25;12.57]	<0.001
	Close (<2 meter, >30 min.)	2.77 [2.51;3.05]	<0.001	29.31 [24.47;35.10]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.04 [0.95;1.13]	0.392	1.68 [1.53;1.85]	<0.001
	>50	1.22 [1.02;1.46]	0.027	1.59 [1.31;1.92]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.79;0.96]	0.0062	0.93 [0.83;1.03]	0.15
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.75;0.89]	<0.001	0.98 [0.89;1.08]	0.69
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.64;0.93]	0.0077	0.95 [0.78;1.15]	0.59
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.58;0.97]	0.029	1.41 [1.04;1.90]	0.027
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.05;1.27]	0.003	1.60 [1.44;1.78]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.71;0.89]	<0.001	1.08 [0.96;1.22]	0.21
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.36 [1.23;1.50]	<0.001	1.76 [1.58;1.95]	<0.001
Use of public swimming pool	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.79;1.08]	0.34	1.19 [1.00;1.40]	0.045
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.43;0.62]	<0.001	0.62 [0.51;0.74]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.95;1.12]	0.45	1.47 [1.34;1.60]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.17;1.43]	<0.001	1.72 [1.54;1.92]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.64;1.59]	0.96	1.81 [1.13;2.88]	0.013
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.08 [0.98;1.19]	0.15	1.32 [1.20;1.47]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.70;0.87]	<0.001	1.01 [0.90;1.13]	0.83
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.97 [0.89;1.07]	0.6	1.27 [1.15;1.40]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.69;0.84]	<0.001	0.79 [0.71;0.88]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.80;0.96]	0.0037	0.92 [0.84;1.01]	0.098
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.73;0.88]	<0.001	0.86 [0.77;0.95]	0.0026
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.88;1.03]	0.22	0.98 [0.91;1.07]	0.71
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.74;0.87]	<0.001	0.86 [0.79;0.93]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.67;0.79]	<0.001	0.81 [0.75;0.88]	<0.001

eTable 5. Subgroup Analysis of Sex: Males (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.79;0.93]	<0.001	0.90 [0.83;0.97]	0.0098
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.77;0.89]	<0.001	0.76 [0.70;0.82]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.86;1.01]	0.08	0.88 [0.81;0.96]	0.0036
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.94;1.10]	0.67	1.02 [0.94;1.11]	0.65
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.35 [1.15;1.58]	<0.001	2.01 [1.68;2.41]	<0.001
	Yes, >50	1.63 [1.39;1.92]	<0.001	2.06 [1.72;2.48]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	1.50 [1.33;1.70]	<0.001	2.15 [1.87;2.48]	<0.001
	Outdoor	1.29 [0.93;1.78]	0.13	1.50 [1.06;2.11]	0.021
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.21 [0.95;1.53]	0.1158	2.75 [2.16;3.51]	<0.001
	Public employee	1.35 [1.12;1.64]	0.0018	4.18 [3.44;5.08]	<0.001
	Private employee	1.28 [1.07;1.54]	0.0077	2.30 [1.91;2.76]	<0.001
	Self-employed	1.31 [1.06;1.62]	0.0129	2.09 [1.69;2.60]	<0.001
	Other	1.27 [0.97;1.65]	0.0824	1.47 [1.12;1.93]	0.0054
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.84 [0.71;1.01]	0.0637	1.41 [1.18; 1.69]	<0.001
	Own office	1.22 [1.00;1.49]	0.0467	2.43 [1.98; 2.98]	<0.001
	Shared office	1.25 [1.04;1.49]	0.0181	2.46 [2.04; 2.96]	<0.001
	Retail, library or factory worker	1.39 [1.12;1.73]	0.003	1.91 [1.54; 2.38]	<0.001
	Social care or education	1.33 [1.09;1.62]	0.0042	5.85 [4.72; 7.25]	<0.001
	Healthcare sector	1.26 [0.99;1.59]	0.0561	7.68 [5.76;10.23]	<0.001
	Transport (e.g. bus/taxi-driver)	1.31 [0.91;1.87]	0.1482	2.05 [1.40; 2.99]	<0.001
	Outdoors (e.g. gardener)	1.18 [0.93;1.50]	0.1843	1.37 [1.08; 1.74]	0.011
Contact to people at work	Other	1.22 [0.99;1.50]	0.0609	2.03 [1.65; 2.51]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.18 [1.05;1.33]	0.0043	2.28 [2.00;2.60]	<0.001
	Yes, other	1.10 [1.00;1.21]	0.0433	1.15 [1.04;1.27]	0.005
Household size	Non-employed	0.97 [0.82;1.14]	0.6912	0.57 [0.48;0.67]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.88 [0.80;0.97]	0.0073	1.32 [1.20;1.46]	<0.001
Education level	>5 persons	1.12 [0.95;1.33]	0.1667	1.99 [1.66;2.38]	<0.001
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.03 [0.89;1.18]	0.726	1.29 [1.12;1.49]	<0.001
	ISCED 2	1.06 [0.91;1.23]	0.453	1.63 [1.40;1.90]	<0.001
Income	ISCED 3&4	0.87 [0.75;1.02]	0.085	1.44 [1.23;1.69]	<0.001
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.87 [0.77;0.98]	0.018	1.16 [1.03;1.31]	0.0131
	3rd quartile	0.89 [0.79;1.00]	0.042	1.21 [1.07;1.37]	0.0018
Ethnicity	4th quartile	0.86 [0.76;0.97]	0.013	1.16 [1.02;1.31]	0.0198
	Danish	Ref	Ref	Ref	Ref

	Other	1.37 [1.23;1.53]	<0.001	3.42 [2.98;3.93]	<0.001
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eTable 6. Subgroup Analysis of Sex: Females

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.90 [1.74;2.07]	<0.001	15.53 [13.66;17.66]	<0.001
	Close (<2 meter, >30 min.)	3.15 [2.90;3.42]	<0.001	35.10 [30.40;40.51]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.06 [0.99;1.15]	0.09	1.94 [1.80;2.10]	<0.001
	>50	1.25 [1.07;1.46]	0.0045	1.88 [1.59;2.21]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.74;0.87]	<0.001	0.83 [0.76;0.90]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.82;0.96]	0.0017	0.97 [0.90;1.04]	0.4
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.63;0.93]	0.0066	0.73 [0.60;0.89]	0.0018
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.48;0.86]	0.0035	1.08 [0.78;1.48]	0.65
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.06;1.26]	<0.001	1.48 [1.35;1.61]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.63;0.81]	<0.001	0.85 [0.75;0.96]	0.0089
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.10;1.30]	<0.001	1.42 [1.31;1.55]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.74;0.96]	0.013	1.01 [0.88;1.16]	0.89
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.44;0.62]	<0.001	0.64 [0.54;0.76]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.02;1.18]	0.011	1.33 [1.24;1.43]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.17;1.43]	<0.001	1.59 [1.43;1.76]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.68;1.66]	0.8	1.49 [0.96;2.30]	0.073
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.01;1.22]	0.026	1.28 [1.16;1.41]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.72;0.89]	<0.001	0.95 [0.85;1.06]	0.34
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.93;1.12]	0.65	1.14 [1.03;1.25]	0.011
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.66;0.79]	<0.001	0.75 [0.68;0.83]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.96]	0.0039	0.97 [0.90;1.05]	0.48
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.72;0.86]	<0.001	0.79 [0.72;0.87]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.98;1.12]	0.19	1.02 [0.95;1.09]	0.64
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.96]	0.0019	0.85 [0.79;0.92]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.72;0.82]	<0.001	0.60 [0.56;0.64]	<0.001

eTable 6. Subgroup Analysis of Sex: Females (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.86;0.99]	0.026	0.91 [0.85;0.98]	0.0094
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.89;1.01]	0.11	0.86 [0.80;0.91]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.93;1.08]	1	0.91 [0.84;0.98]	0.016
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.04;1.18]	0.0027	1.05 [0.98;1.13]	0.15
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.60 [1.39;1.84]	<0.001	2.33 [2.00;2.73]	<0.001
	Yes, >50	1.78 [1.54;2.05]	<0.001	2.28 [1.96;2.66]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.72 [1.54;1.91]	<0.001	2.45 [2.18;2.76]	<0.001
	Outdoor	1.18 [0.78;1.80]	0.43	1.07 [0.70;1.64]	0.74
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.15 [0.95;1.39]	0.1426	2.74 [2.27;3.31]	<0.001
	Public employee	1.29 [1.11;1.50]	0.0012	4.49 [3.84;5.25]	<0.001
	Private employee	1.17 [1.00;1.37]	0.0492	2.00 [1.71;2.34]	<0.001
	Self employed	1.40 [1.14;1.72]	0.0016	2.11 [1.71;2.59]	<0.001
	Other	0.87 [0.70;1.08]	0.2142	1.30 [1.05;1.61]	0.018
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	1.00 [0.86;1.16]	0.9946	1.46 [1.25;1.69]	<0.001
	Own office	1.19 [0.98;1.45]	0.0728	2.00 [1.64;2.43]	<0.001
	Shared office	1.42 [1.21;1.66]	<0.001	2.13 [1.81;2.49]	<0.001
	Retail, library or factory worker	1.51 [1.26;1.83]	<0.001	1.77 [1.47;2.13]	<0.001
	Social care or education	1.61 [1.38;1.86]	<0.001	6.57 [5.62;7.68]	<0.001
	Healthcare sector	1.24 [1.06;1.46]	0.0079	7.96 [6.65;9.52]	<0.001
	Transport (e.g. bus/taxi-driver)	1.41 [0.76;2.60]	0.2759	2.47 [1.30;4.69]	0.0057
	Outdoors (e.g. gardener)	0.69 [0.38;1.23]	0.2102	1.23 [0.68;2.23]	0.4874
Contact to people at work	Other	1.27 [1.06;1.52]	0.0086	1.82 [1.53;2.18]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.28 [1.17;1.39]	<0.001	3.59 [3.26;3.95]	<0.001
	Yes, other	1.13 [1.03;1.23]	0.011	1.44 [1.31;1.58]	<0.001
Household size	Non-employed	0.86 [0.75;0.98]	0.026	0.63 [0.55;0.72]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	1.01 [0.93;1.10]	0.864	1.25 [1.15;1.37]	<0.001
Education level	>5 persons	1.17 [1.01;1.36]	0.035	1.73 [1.48;2.02]	<0.001
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.00 [0.88;1.13]	0.97	1.29 [1.13;1.46]	<0.001
	ISCED 2	1.03 [0.91;1.18]	0.622	1.68 [1.47;1.92]	<0.001
Income	ISCED 3&4	0.87 [0.75;1.00]	0.057	1.10 [0.95;1.28]	0.2
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.87 [0.79;0.95]	0.0034	0.96 [0.87;1.05]	0.363
	3rd quartile	0.89 [0.81;0.99]	0.0248	1.01 [0.92;1.12]	0.787
	4th quartile	0.88 [0.79;0.97]	0.0146	0.91 [0.81;1.01]	0.069
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.32 [1.19;1.45]	<0.001	2.82 [2.52;3.15]	<0.001

eTable 7. Subgroup Analysis of Age Group 18-30 years

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.78 [1.57;2.02]	<0.001	14.14 [11.64;17.18]	<0.001
	Close (<2 meter, >30 min.)	2.95 [2.64;3.29]	<0.001	31.13 [25.49;38.02]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.13 [1.02;1.25]	0.021	1.97 [1.76;2.20]	<0.001
	>50	1.20 [0.99;1.46]	0.064	1.53 [1.24;1.88]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.76;0.93]	<0.001	0.87 [0.78;0.97]	0.012
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.92 [0.82;1.02]	0.11	1.08 [0.97;1.21]	0.16
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.66 [0.49;0.88]	0.0053	0.76 [0.56;1.04]	0.084
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.44;0.91]	0.015	0.97 [0.65;1.45]	0.89
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.07;1.34]	0.0025	1.80 [1.58;2.05]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.78;1.05]	0.19	1.20 [1.02;1.42]	0.028
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.27 [1.15;1.41]	<0.001	1.70 [1.52;1.90]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.83;1.23]	0.91	1.18 [0.95;1.45]	0.14
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.57 [0.45;0.74]	<0.001	0.80 [0.62;1.04]	0.094
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.22 [1.10;1.36]	<0.001	1.79 [1.60;2.00]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.39 [1.25;1.54]	<0.001	2.06 [1.83;2.31]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.16 [0.60;2.23]	0.66	2.13 [1.13;4.02]	0.02
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.30 [1.16;1.46]	<0.001	1.61 [1.44;1.82]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.86;1.13]	0.84	1.17 [1.02;1.35]	0.028
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.11 [0.98;1.25]	0.088	1.39 [1.22;1.57]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.77;0.96]	0.0081	0.88 [0.78;0.99]	0.037
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.81;0.98]	0.019	0.94 [0.85;1.04]	0.21
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.83;1.04]	0.22	0.98 [0.87;1.11]	0.8
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.08 [0.98;1.18]	0.12	1.03 [0.94;1.14]	0.51
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.73;0.89]	<0.001	0.82 [0.74;0.91]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.71;0.86]	<0.001	0.78 [0.71;0.86]	<0.001

eTable 7. Subgroup Analysis of Age Group 18-30 years (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.97 [0.89;1.07]	0.55	1.00 [0.90;1.10]	0.94
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.81;0.97]	0.0094	0.79 [0.72;0.87]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.04;1.28]	0.0057	1.15 [1.03;1.28]	0.01
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.95;1.17]	0.34	0.95 [0.85;1.07]	0.41
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.44 [1.20;1.74]	<0.001	2.29 [1.85;2.85]	<0.001
	Yes, >50	1.47 [1.21;1.80]	<0.001	2.63 [2.06;3.34]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.44 [1.24;1.67]	<0.001	2.64 [2.21;3.16]	<0.001
	Outdoor	1.65 [1.09;2.51]	0.019	1.47 [0.95;2.29]	0.085
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.36 [1.00;1.83]	0.0474	3.02 [2.26;4.04]	<0.001
	Public employee	1.54 [1.13;2.10]	0.0062	4.76 [3.51;6.46]	<0.001
	Private employee	1.44 [1.06;1.95]	0.018	2.38 [1.77;3.19]	<0.001
	Self employed	1.49 [0.94;2.36]	0.0885	1.95 [1.23;3.10]	0.0047
	Other	1.12 [0.72;1.76]	0.6135	1.28 [0.82;1.98]	0.2741
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.95 [0.775;1.17]	0.6523	1.44 [1.17;1.78]	<0.001
	Own office	1.31 [0.979;1.75]	0.0696	2.22 [1.64;3.01]	<0.001
	Shared office	1.39 [1.113;1.73]	0.0036	2.16 [1.72;2.70]	<0.001
	Retail, library or factory worker	1.49 [1.181;1.87]	<0.001	1.57 [1.25;1.98]	<0.001
	Social care or education	1.49 [1.205;1.85]	<0.001	4.69 [3.73;5.90]	<0.001
	Healthcare sector	1.43 [1.113;1.83]	0.005	6.91 [5.19;9.21]	<0.001
	Transport (e.g. bus/taxi-driver)	0.44 [0.098;1.95]	0.2775	0.67 [0.15;2.99]	0.6
	Outdoors (e.g. gardener)	1.10 [0.720;1.69]	0.65	1.04 [0.67;1.60]	0.88
	Other	1.42 [1.104;1.82]	0.0062	2.15 [1.67;2.77]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.27 [1.12;1.45]	<0.001	2.44 [2.11;2.83]	<0.001
	Yes, other	1.10 [0.97;1.25]	0.12	1.10 [0.97;1.25]	0.15
Household size	Non-employed	0.90 [0.76;1.08]	0.26	0.64 [0.54;0.76]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.97 [0.84;1.12]	0.7	0.94 [0.81;1.09]	0.403
Education level	>5 persons	1.17 [0.93;1.46]	0.18	1.34 [1.06;1.70]	0.016
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.12 [0.93;1.35]	0.2299	1.54 [1.29;1.85]	<0.001
Income	ISCED 2	1.37 [1.09;1.71]	0.0058	1.83 [1.47;2.28]	<0.001
	ISCED 3&4	1.23 [0.92;1.64]	0.1691	1.72 [1.29;2.31]	<0.001
	1st quartile	Ref	Ref	Ref	Ref
Ethnicity	2nd quartile	0.93 [0.82;1.06]	0.27	0.95 [0.83;1.08]	0.405
	3rd quartile	0.95 [0.82;1.11]	0.53	1.11 [0.95;1.29]	0.198
	4th quartile	1.00 [0.84;1.20]	0.96	1.22 [1.02;1.47]	0.031
Danish	Ref	Ref	Ref	Ref	Ref

	Other	1.40 [1.22;1.62]	<0.001	2.58 [2.19;3.05]	<0.001
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eTable 8. Subgroup Analysis of Age Group 30-60 years

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.65 [1.52;1.80]	<0.001	12.34 [10.92;13.96]	<0.001
	Close (<2 meter, >30 min.)	2.80 [2.57;3.04]	<0.001	30.66 [26.50;35.47]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.01 [0.94;1.09]	0.752	1.77 [1.64;1.91]	<0.001
	>50	1.25 [1.07;1.46]	0.0057	1.91 [1.62;2.26]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.75;0.89]	<0.001	0.85 [0.77;0.93]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.75;0.87]	<0.001	0.89 [0.82;0.96]	0.0032
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.65;0.92]	0.0039	0.80 [0.67;0.95]	0.012
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.59;0.99]	0.04	1.38 [1.04;1.83]	0.027
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.14 [1.05;1.24]	0.0016	1.42 [1.30;1.55]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.69 [0.62;0.77]	<0.001	0.86 [0.77;0.96]	0.0082
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.19;1.41]	<0.001	1.48 [1.35;1.61]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.71;0.92]	0.0011	1.01 [0.88;1.15]	0.92
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.46 [0.39;0.55]	<0.001	0.46 [0.39;0.55]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.93;1.08]	0.93	1.20 [1.12;1.29]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.21 [1.10;1.34]	<0.001	1.36 [1.22;1.51]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.69;1.52]	0.92	1.51 [1.01;2.25]	0.045
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.92;1.11]	0.78	1.21 [1.10;1.34]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.70 [0.63;0.78]	<0.001	0.93 [0.84;1.03]	0.16
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.94 [0.86;1.03]	0.22	1.16 [1.06;1.28]	0.0016
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.69 [0.63;0.76]	<0.001	0.75 [0.68;0.83]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.83;0.97]	0.0066	1.00 [0.92;1.08]	0.94
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.68;0.81]	<0.001	0.80 [0.73;0.88]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.94;1.08]	0.77	1.07 [1.00;1.15]	0.064
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.78;0.90]	<0.001	0.87 [0.80;0.93]	<0.001

Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.68;0.78]	<0.001	0.60 [0.56;0.65]	<0.001

eTable 8. Subgroup Analysis of Age Group 30-60 years (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.95]	<0.001	0.95 [0.89;1.02]	0.18
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.85;0.97]	0.0032	0.85 [0.80;0.91]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.84;0.98]	0.0098	0.85 [0.78;0.92]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.01;1.15]	0.019	1.10 [1.03;1.18]	0.0067
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.55 [1.35;1.79]	<0.001	2.10 [1.80;2.46]	<0.001
	Yes, >50	1.77 [1.54;2.03]	<0.001	2.00 [1.73;2.32]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.71 [1.54;1.90]	<0.001	2.16 [1.93;2.43]	<0.001
	Outdoor	1.15 [0.81;1.62]	0.44	1.23 [0.86;1.76]	0.26
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.29 [0.94;1.77]	0.122	2.50 [1.80;3.46]	<0.001
	Public employee	1.39 [1.15;1.68]	<0.001	4.71 [3.91;5.68]	<0.001
	Private employee	1.27 [1.05;1.54]	0.012	2.31 [1.92;2.78]	<0.001
	Self employed	1.46 [1.18;1.81]	<0.001	2.37 [1.92;2.93]	<0.001
	Other	1.24 [0.94;1.63]	0.124	1.86 [1.42;2.44]	<0.001
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.94 [0.78;1.14]	0.5499	1.57 [1.30; 1.90]	<0.001
	Own office	1.23 [1.00;1.51]	0.0492	2.42 [1.97; 2.97]	<0.001
	Shared office	1.32 [1.09;1.60]	0.0046	2.51 [2.08; 3.03]	<0.001
	Retail, library or factory worker	1.47 [1.17;1.85]	0.0011	2.15 [1.71; 2.69]	<0.001
	Social care or education	1.50 [1.24;1.82]	<0.001	7.65 [6.29; 9.29]	<0.001
	Healthcare sector	1.19 [0.97;1.45]	0.1011	9.77 [7.84;12.17]	<0.001
	Transport (e.g. bus/taxi-driver)	1.37 [0.95;1.99]	0.0937	2.79 [1.89; 4.11]	<0.001
	Outdoors (e.g. gardener)	1.24 [0.94;1.63]	0.1343	1.62 [1.23; 2.14]	<0.001
	Other	1.19 [0.96;1.48]	0.1119	2.08 [1.68; 2.59]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.24 [1.13;1.35]	<0.001	3.27 [2.97;3.61]	<0.001
	Yes, other	1.11 [1.03;1.21]	0.011	1.37 [1.26;1.49]	<0.001
Household size	Non-employed	0.86 [0.72;1.03]	0.104	0.52 [0.44;0.62]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.94 [0.88;1.01]	0.099	1.37 [1.27;1.48]	<0.001
Education level	>5 persons	1.14 [1.00;1.29]	0.051	1.99 [1.74;2.28]	<0.001
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	0.95 [0.83;1.08]	0.4486	1.14 [0.99;1.30]	0.06
Income	ISCED 2	0.96 [0.84;1.09]	0.5068	1.57 [1.37;1.79]	<0.001
	ISCED 3&4	0.80 [0.70;0.91]	0.0011	1.10 [0.96;1.26]	0.18
	1st quartile	Ref	Ref	Ref	Ref
Ethnicity	2nd quartile	0.79 [0.72;0.88]	<0.001	1.02 [0.92;1.13]	0.72
	3rd quartile	0.83 [0.75;0.91]	<0.001	1.06 [0.96;1.17]	0.276
	4th quartile	0.79 [0.71;0.87]	<0.001	0.90 [0.80;1.00]	0.041
Danish	Ref	Ref	Ref	Ref	Ref

	Other	1.36 [1.24;1.49]	<0.001	3.44 [3.09;3.84]	<0.001
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eTable 9. Subgroup Analysis of Age Group >60 years

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	2.16 [1.76;2.65]	<0.001	17.99 [12.52;25.85]	<0.001
	Close (<2 meter, >30 min.)	4.51 [3.69;5.50]	<0.001	57.68 [36.74;90.56]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.02 [0.85;1.24]	0.818	1.89 [1.53;2.33]	<0.001
	>50	1.48 [0.93;2.37]	0.099	1.93 [1.16;3.19]	0.011
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.70;1.01]	0.065	0.94 [0.78;1.15]	0.56
Train travel	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.84;1.18]	0.98	1.17 [0.98;1.39]	0.076
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.69;1.33]	0.81	1.26 [0.90;1.76]	0.17
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.55 [0.29;1.01]	0.055	1.43 [0.71;2.88]	0.32
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.15 [0.95;1.38]	0.14	1.59 [1.31;1.93]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.57;0.96]	0.021	0.97 [0.74;1.26]	0.81
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.81;1.28]	0.86	1.48 [1.17;1.88]	0.0013
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.75;1.38]	0.89	1.28 [0.94;1.76]	0.12
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.47;0.87]	0.0043	0.94 [0.70;1.27]	0.71
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.11 [0.95;1.30]	0.18	1.67 [1.42;1.97]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.35 [1.00;1.82]	0.052	1.81 [1.33;2.47]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.32;2.17]	0.71	1.52 [0.59;3.88]	0.38
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.71;1.07]	0.19	0.80 [0.64;0.99]	0.044
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.59;0.90]	0.0029	0.79 [0.64;0.99]	0.042
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.79;1.14]	0.59	1.02 [0.84;1.23]	0.87
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.57 [0.46;0.70]	<0.001	0.49 [0.39;0.62]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.65;0.95]	0.014	0.75 [0.62;0.92]	0.0051
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.66 [0.55;0.81]	<0.001	0.56 [0.45;0.69]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.70;0.94]	0.0055	0.68 [0.58;0.79]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.89;1.19]	0.7	0.83 [0.72;0.97]	0.018
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.68;0.97]	0.024	0.88 [0.74;1.06]	0.17

eTable 9. Subgroup Analysis of Age Group >60 years (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.63;0.85]	<0.001	0.55 [0.47;0.64]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.72;0.95]	0.0074	0.68 [0.59;0.79]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.72;0.97]	0.022	0.65 [0.55;0.76]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.92;1.21]	0.45	0.87 [0.76;1.01]	0.061
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.27 [0.93;1.73]	0.14	2.38 [1.65;3.44]	<0.001
	Yes, >50	2.08 [1.52;2.85]	<0.001	2.37 [1.67;3.36]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.68 [1.33;2.13]	<0.001	2.57 [1.96;3.38]	<0.001
	Outdoor	0.69 [0.26;1.83]	0.46	1.00 [0.41;2.47]	0.99
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Public employee	1.18 [0.95;1.48]	0.142	4.74 [3.68;6.11]	<0.001
	Private employee	1.26 [0.99;1.61]	0.06	1.93 [1.50;2.48]	<0.001
	Self employed	1.02 [0.75;1.37]	0.916	1.68 [1.24;2.27]	<0.001
	Other	0.80 [0.61;1.04]	0.099	1.06 [0.81;1.38]	0.67
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.81 [0.61;1.07]	0.1429	1.20 [0.90; 1.60]	0.2034
	Own office	1.19 [0.84;1.69]	0.3233	2.36 [1.62; 3.44]	<0.001
	Shared office	1.39 [1.01;1.91]	0.0414	2.63 [1.87; 3.71]	<0.001
	Retail, library or factory worker	1.45 [0.94;2.25]	0.0944	2.23 [1.42; 3.52]	<0.001
	Social care or education	1.50 [1.14;1.97]	0.0041	8.30 [5.87;11.73]	<0.001
	Healthcare sector	1.03 [0.74;1.43]	0.8752	6.88 [4.49;10.54]	<0.001
	Transport (e.g. bus/taxi-driver)	1.64 [0.79;3.43]	0.1869	1.68 [0.78; 3.63]	0.1827
	Outdoors (e.g. gardener)	0.83 [0.46;1.47]	0.5176	1.24 [0.69; 2.23]	0.4643
	Other	1.17 [0.88;1.57]	0.2737	1.46 [1.10; 1.96]	0.0099
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.15 [0.88;1.50]	0.32	4.22 [3.07;5.79]	<0.001
	Yes, other	1.08 [0.84;1.38]	0.54	1.75 [1.35;2.25]	<0.001
	Non-employed	0.94 [0.75;1.19]	0.62	0.74 [0.58;0.93]	0.012
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	1.11 [0.82;1.50]	0.51	1.62 [1.16;2.28]	0.0048
	>5 persons	1.97 [0.61;6.35]	0.26	1.71 [0.39;7.64]	0.4792
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.07 [0.87;1.33]	0.52	1.38 [1.10;1.73]	0.005
	ISCED 2	1.05 [0.84;1.31]	0.68	1.59 [1.26;2.00]	<0.001
	ISCED 3&4	0.92 [0.71;1.19]	0.54	1.48 [1.13;1.94]	0.004
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.97 [0.78;1.21]	0.77	1.24 [1.00;1.54]	0.054
	3rd quartile	0.95 [0.76;1.19]	0.66	1.28 [1.02;1.60]	0.033
	4th quartile	0.96 [0.77;1.19]	0.71	1.43 [1.16;1.77]	0.001
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.06 [0.82;1.37]	0.65	2.13 [1.58;2.88]	<0.001

eTable 10. Subgroup Analysis of education level (ISCED group 0-1)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.60 [1.44;1.77]	<0.001	10.97 [9.41;12.78]	<0.001
	Close (<2 meter, >30 min.)	2.95 [2.69;3.23]	<0.001	30.43 [25.75;35.95]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.01 [0.92;1.09]	0.9	1.82 [1.66;1.99]	<0.001
	>50	1.01 [0.85;1.20]	0.92	1.18 [0.98;1.41]	0.074
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.76;0.91]	<0.001	0.89 [0.81;0.98]	0.014
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.81;0.97]	0.012	1.01 [0.92;1.11]	0.85
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.51;0.81]	<0.001	0.80 [0.64;1.01]	0.061
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.63 [0.45;0.88]	0.0061	1.16 [0.81;1.68]	0.42
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.13 [1.02;1.25]	0.019	1.54 [1.38;1.72]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.68;0.89]	<0.001	1.06 [0.93;1.22]	0.39
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.28 [1.17;1.41]	<0.001	1.66 [1.51;1.84]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.79;1.11]	0.42	1.26 [1.05;1.51]	0.013
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.51 [0.43;0.61]	<0.001	0.65 [0.54;0.78]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.01;1.20]	0.027	1.52 [1.40;1.66]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.33 [1.20;1.48]	<0.001	1.85 [1.66;2.06]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.10 [0.70;1.72]	0.68	1.91 [1.23;2.95]	0.0037
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.98;1.18]	0.15	1.25 [1.14;1.38]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.73;0.89]	<0.001	0.95 [0.86;1.06]	0.36
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.98 [0.89;1.07]	0.6	1.11 [1.00;1.22]	0.041
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.66;0.79]	<0.001	0.75 [0.68;0.82]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.76;0.90]	<0.001	0.87 [0.80;0.95]	0.0014
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.70;0.84]	<0.001	0.75 [0.69;0.83]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.92;1.07]	0.84	0.94 [0.87;1.02]	0.14
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.80;0.93]	<0.001	0.83 [0.77;0.90]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.74;0.87]	<0.001	0.76 [0.70;0.82]	<0.001

eTable 10. Subgroup Analysis of education level (ISCED group 0-1) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.83;0.97]	0.0051	0.85 [0.79;0.92]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.80;0.93]	<0.001	0.77 [0.71;0.83]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.93;1.09]	0.81	0.92 [0.85;1.00]	0.059
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.96;1.13]	0.28	1.01 [0.93;1.10]	0.77
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.47 [1.26;1.73]	<0.001	2.27 [1.89;2.72]	<0.001
	Yes, >50	1.54 [1.31;1.82]	<0.001	2.29 [1.89;2.76]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.53 [1.36;1.74]	<0.001	2.49 [2.16;2.87]	<0.001
	Outdoor	1.29 [0.89;1.87]	0.19	1.27 [0.86;1.86]	0.23
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.26 [1.03;1.53]	0.0215	3.06 [2.51;3.72]	<0.001
	Public employee	1.35 [1.13;1.62]	<0.001	5.61 [4.65;6.77]	<0.001
	Private employee	1.28 [1.07;1.52]	0.0066	2.16 [1.81;2.57]	<0.001
	Self employed	1.35 [1.08;1.69]	0.0095	2.03 [1.61;2.55]	<0.001
	Other	0.95 [0.75;1.21]	0.7004	1.25 [0.98;1.59]	0.069
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.97 [0.82;1.14]	0.6946	1.44 [1.22;1.70]	<0.001
	Own office	1.36 [1.09;1.68]	0.0052	1.96 [1.57;2.43]	<0.001
	Shared office	1.39 [1.17;1.65]	<0.001	2.42 [2.03;2.88]	<0.001
	Retail, library or factory worker	1.45 [1.21;1.73]	<0.001	1.60 [1.34;1.92]	<0.001
	Social care or education	1.45 [1.23;1.71]	<0.001	6.62 [5.52;7.93]	<0.001
	Healthcare sector	1.25 [1.03;1.52]	0.0257	7.67 [6.10;9.66]	<0.001
	Transport (e.g. bus/taxi-driver)	1.33 [0.92;1.94]	0.1304	1.75 [1.19;2.58]	0.0048
	Outdoors (e.g. gardener)	1.18 [0.93;1.51]	0.1705	1.36 [1.07;1.73]	0.0135
	Other	1.30 [1.09;1.56]	0.0041	1.89 [1.58;2.26]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.13 [1.01;1.26]	0.027	2.39 [2.12;2.69]	<0.001
	Yes, other	1.04 [0.94;1.15]	0.463	1.12 [1.01;1.24]	0.033
	Non-employed	0.89 [0.77;1.02]	0.093	0.58 [0.50;0.66]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.99 [0.90;1.09]	0.888	1.26 [1.14;1.39]	<0.001
	>5 persons	1.28 [1.09;1.50]	0.0028	1.92 [1.61;2.29]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.03 [0.93;1.13]	0.62	1.28 [1.16;1.42]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.88 [0.79;0.97]	0.014	0.99 [0.89;1.10]	0.86
	3rd quartile	0.91 [0.82;1.02]	0.107	1.09 [0.97;1.22]	0.15
	4th quartile	0.98 [0.86;1.10]	0.691	1.11 [0.98;1.25]	0.1
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.60 [1.42;1.80]	<0.001	2.69 [2.35;3.08]	<0.001

eTable 11. Subgroup Analysis of Education Level (ISCED 2-4)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.90 [1.73;2.09]	<0.001	15.28 [13.18;17.70]	<0.001
	Close (<2 meter, >30 min.)	3.04 [2.77;3.33]	<0.001	34.91 [29.21;41.72]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.09 [1.01;1.19]	0.035	1.86 [1.70;2.03]	<0.001
	>50	1.55 [1.30;1.84]	<0.001	3.07 [2.51;3.76]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.76;0.92]	<0.001	0.85 [0.77;0.94]	0.0015
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.79;0.93]	<0.001	0.93 [0.85;1.01]	0.1
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.71;1.02]	0.078	0.85 [0.70;1.02]	0.088
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.63;1.09]	0.18	1.34 [0.98;1.82]	0.063
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.06;1.26]	0.0017	1.44 [1.31;1.59]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.65;0.83]	<0.001	0.87 [0.77;0.99]	0.033
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.18;1.42]	<0.001	1.53 [1.39;1.69]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.72;0.95]	0.0068	0.94 [0.82;1.09]	0.44
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.42;0.64]	<0.001	0.60 [0.48;0.74]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.98;1.15]	0.13	1.27 [1.16;1.38]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.26 [1.13;1.40]	<0.001	1.50 [1.34;1.69]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.14 [0.67;1.92]	0.63	1.57 [0.88;2.81]	0.12
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.04;1.30]	0.008	1.46 [1.30;1.64]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.68;0.89]	<0.001	1.10 [0.96;1.25]	0.18
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.95;1.18]	0.33	1.37 [1.22;1.54]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.69;0.88]	<0.001	0.83 [0.73;0.95]	0.0057
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.91;1.10]	0.93	1.09 [0.98;1.20]	0.11
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.75;0.94]	0.0022	0.99 [0.88;1.11]	0.82
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.98;1.15]	0.17	1.10 [1.01;1.20]	0.026
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.77;0.92]	<0.001	0.90 [0.82;0.98]	0.016
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.67;0.78]	<0.001	0.56 [0.52;0.61]	<0.001

eTable 11. Subgroup Analysis of Education Level (ISCED 2-4) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.84;0.98]	0.014	1.00 [0.92;1.09]	0.97
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.84;0.97]	0.004	0.86 [0.79;0.93]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.83;0.99]	0.034	0.88 [0.80;0.97]	0.01
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.02;1.19]	0.011	1.10 [1.01;1.19]	0.021
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.49 [1.28;1.74]	<0.001	2.06 [1.73;2.45]	<0.001
	Yes, >50	1.89 [1.63;2.21]	<0.001	2.10 [1.78;2.47]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.70 [1.51;1.91]	<0.001	2.14 [1.88;2.43]	<0.001
	Outdoor	1.34 [0.90;1.99]	0.15	1.41 [0.94;2.11]	0.1
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.11 [0.78;1.58]	0.572	2.20 [1.53;3.18]	<0.001
	Public employee	1.28 [1.06;1.54]	0.0097	3.72 [3.06;4.52]	<0.001
	Private employee	1.16 [0.96;1.41]	0.1137	2.00 [1.64;2.43]	<0.001
	Self employed	1.30 [1.04;1.62]	0.0218	2.12 [1.69;2.67]	<0.001
Type of occupation	Other	1.17 [0.88;1.55]	0.2776	1.82 [1.36;2.44]	<0.001
	Non-employed	Ref	Ref	Ref	Ref
	At home	0.86 [0.71;1.04]	0.1254	1.36 [1.12; 1.66]	0.0021
	Own office	1.15 [0.93;1.42]	0.1958	2.31 [1.85; 2.89]	<0.001
	Shared office	1.25 [1.02;1.52]	0.0275	2.04 [1.67; 2.50]	<0.001
	Retail, library or factory worker	1.61 [1.20;2.17]	0.0017	2.55 [1.89; 3.46]	<0.001
	Social care or education	1.49 [1.22;1.81]	<0.001	5.98 [4.85; 7.38]	<0.001
	Healthcare sector	1.08 [0.87;1.33]	0.4852	7.71 [6.09; 9.77]	<0.001
	Transport (e.g. bus/taxi-driver)	1.29 [0.63;2.63]	0.4894	4.59 [1.97;10.72]	<0.001
	Outdoors (e.g. gardener)	1.03 [0.60;1.76]	0.9282	1.47 [0.79; 2.74]	0.2198
	Other	1.14 [0.90;1.45]	0.2872	1.99 [1.54; 2.57]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.31 [1.19;1.45]	<0.001	3.78 [3.38;4.24]	<0.001
	Yes, other	1.19 [1.08;1.31]	<0.001	1.58 [1.43;1.74]	<0.001
	Non-employed	0.90 [0.75;1.09]	0.28	0.62 [0.51;0.75]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.90 [0.82;0.99]	0.029	1.23 [1.12;1.36]	<0.001
	>5 persons	1.07 [0.91;1.26]	0.441	1.60 [1.34;1.91]	<0.001
Education level	ISCED 2	Ref	Ref	Ref	Ref
	ISCED 3&4	0.84 [0.77;0.90]	<0.001	0.73 [0.67;0.79]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.84 [0.75;0.95]	0.0052	1.06 [0.94;1.20]	0.354
	3rd quartile	0.84 [0.74;0.94]	0.0033	1.02 [0.90;1.15]	0.783
	4th quartile	0.78 [0.69;0.89]	<0.001	0.85 [0.75;0.97]	0.015
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.15 [1.03;1.29]	0.012	2.70 [2.35;3.09]	<0.001

eTable 12. Subgroup Analysis of Household Size: 1-2 Members

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.69 [1.54;1.85]	<0.001	13.15 [11.49;15.05]	<0.001
	Close (<2 meter, >30 min.)	3.10 [2.85;3.37]	<0.001	33.35 [28.62;38.86]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.05 [0.97;1.13]	0.225	1.82 [1.68;1.97]	<0.001
	>50	1.22 [1.04;1.44]	0.013	1.69 [1.43;2.00]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.76;0.89]	<0.001	0.86 [0.79;0.94]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.81;0.95]	<0.001	1.02 [0.94;1.10]	0.66
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.69;0.97]	0.022	0.92 [0.77;1.10]	0.35
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.50;0.83]	<0.001	1.09 [0.82;1.45]	0.55
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.07;1.27]	<0.001	1.64 [1.50;1.79]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.70;0.88]	<0.001	1.03 [0.91;1.16]	0.65
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.24 [1.14;1.35]	<0.001	1.54 [1.41;1.68]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.97 [0.84;1.11]	0.63	1.21 [1.04;1.40]	0.011
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.53 [0.45;0.64]	<0.001	0.68 [0.57;0.80]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.02;1.18]	0.012	1.53 [1.42;1.65]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.26 [1.15;1.38]	<0.001	1.71 [1.56;1.89]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.36 [0.86;2.14]	0.19	1.98 [1.26;3.11]	0.0032
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.18 [1.07;1.29]	<0.001	1.41 [1.28;1.55]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.81;0.99]	0.034	1.11 [1.00;1.23]	0.055
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.00;1.20]	0.051	1.33 [1.21;1.46]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.76;0.92]	<0.001	0.85 [0.77;0.93]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.89;1.04]	0.32	0.99 [0.91;1.07]	0.72
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.77;0.92]	<0.001	0.84 [0.77;0.93]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.99;1.14]	0.071	1.00 [0.93;1.07]	0.9
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.89;1.03]	0.22	0.91 [0.84;0.98]	0.011
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.77;0.88]	<0.001	0.74 [0.69;0.80]	<0.001

eTable 12. Subgroup Analysis of Household Size: 1-2 Members (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.90;1.03]	0.3	0.94 [0.87;1.01]	0.087
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.85;0.97]	0.0046	0.81 [0.75;0.86]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.96;1.11]	0.43	0.92 [0.85;1.00]	0.044
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.09 [1.01;1.16]	0.019	1.02 [0.95;1.10]	0.56
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.55 [1.35;1.79]	<0.001	2.27 [1.94;2.66]	<0.001
	Yes, >50	1.72 [1.49;1.98]	<0.001	2.33 [2.00;2.73]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.67 [1.50;1.85]	<0.001	2.44 [2.16;2.75]	<0.001
	Outdoor	1.30 [0.92;1.82]	0.13	1.42 [1.00;2.01]	0.048
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.09 [0.91;1.30]	0.364	2.72 [2.27;3.27]	<0.001
	Public employee	1.29 [1.12;1.49]	<0.001	4.56 [3.94;5.28]	<0.001
	Private employee	1.28 [1.11;1.47]	<0.001	2.32 [2.01;2.68]	<0.001
	Self employed	1.25 [1.04;1.51]	0.017	2.06 [1.71;2.48]	<0.001
	Other	0.96 [0.78;1.17]	0.68	1.35 [1.11;1.65]	0.0032
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.95 [0.82;1.09]	0.452	1.54 [1.34; 1.78]	<0.001
	Own office	1.36 [1.14;1.62]	<0.001	2.48 [2.07; 2.96]	<0.001
	Shared office	1.41 [1.21;1.63]	<0.001	2.33 [2.01; 2.70]	<0.001
	Retail, library or factory worker	1.53 [1.27;1.84]	<0.001	1.89 [1.58; 2.27]	<0.001
	Social care or education	1.45 [1.25;1.69]	<0.001	6.75 [5.74; 7.94]	<0.001
	Healthcare sector	1.16 [0.99;1.37]	0.071	8.50 [7.00;10.32]	<0.001
	Transport (e.g. bus/taxi-driver)	0.98 [0.63;1.54]	0.938	1.50 [0.93; 2.41]	0.0926
	Outdoors (e.g. gardener)	1.20 [0.92;1.57]	0.186	1.47 [1.12; 1.91]	0.0048
	Other	1.20 [1.01;1.42]	0.038	1.91 [1.61; 2.27]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.14 [1.04;1.25]	0.0065	3.02 [2.72;3.36]	<0.001
	Yes, other	1.09 [1.00;1.20]	0.0504	1.29 [1.17;1.41]	<0.001
	Non-employed	0.84 [0.74;0.96]	0.0103	0.55 [0.48;0.63]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.02 [0.91;1.16]	0.7	1.36 [1.20;1.53]	<0.001
	ISCED 2	1.09 [0.96;1.24]	0.17	1.74 [1.53;1.97]	<0.001
	ISCED 3&4	0.95 [0.83;1.10]	0.51	1.38 [1.20;1.59]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.93 [0.84;1.02]	0.11	1.05 [0.96;1.16]	0.28
	3rd quartile	1.03 [0.92;1.14]	0.63	1.22 [1.10;1.36]	<0.001
	4th quartile	0.98 [0.88;1.09]	0.71	1.20 [1.08;1.34]	<0.001

Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.27 [1.14;1.40]	<0.001	3.22 [2.85;3.64]	<0.001

eTable 13. Subgroup Analysis of Household Size: 3-4 Members

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.77 [1.57;2.00]	<0.001	12.79 [10.62;15.39]	<0.001
	Close (<2 meter, >30 min.)	2.81 [2.51;3.15]	<0.001	28.68 [23.17;35.49]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.04 [0.94;1.15]	0.4353	1.85 [1.66;2.07]	<0.001
	>50	1.36 [1.11;1.68]	0.0038	1.87 [1.49;2.35]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.67;0.86]	<0.001	0.91 [0.80;1.05]	0.19
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.74;0.92]	<0.001	0.93 [0.83;1.04]	0.23
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.63;1.06]	0.12	0.80 [0.62;1.04]	0.093
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.70;1.52]	0.87	1.56 [1.01;2.41]	0.044
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.07;1.35]	0.0015	1.40 [1.23;1.58]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.63;0.84]	<0.001	0.87 [0.75;1.02]	0.079
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.15;1.45]	<0.001	1.60 [1.41;1.82]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.65;0.93]	0.0062	0.93 [0.77;1.13]	0.49
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.55 [0.43;0.69]	<0.001	0.62 [0.49;0.80]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.96;1.17]	0.24	1.18 [1.06;1.31]	0.002
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.38 [1.20;1.59]	<0.001	1.69 [1.45;1.97]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.50;1.57]	0.67	1.19 [0.68;2.10]	0.54
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.94;1.20]	0.33	1.22 [1.08;1.39]	0.0021
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.62;0.82]	<0.001	0.82 [0.71;0.95]	0.0073
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.80;1.03]	0.12	0.99 [0.87;1.13]	0.89
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.66 [0.58;0.75]	<0.001	0.66 [0.58;0.76]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.71;0.88]	<0.001	0.90 [0.81;1.01]	0.066
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.68;0.86]	<0.001	0.78 [0.69;0.88]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.98 [0.89;1.08]	0.74	1.00 [0.91;1.11]	0.96
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.69;0.83]	<0.001	0.77 [0.70;0.86]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.62;0.75]	<0.001	0.56 [0.51;0.62]	<0.001

eTable 13. Subgroup Analysis of Household Size: 3-4 Members (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.78;0.94]	<0.001	0.90 [0.81;0.99]	0.031
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.92 [0.84;1.01]	0.078	0.86 [0.78;0.94]	0.0013
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.82;1.01]	0.091	0.85 [0.76;0.95]	0.0055
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.01;1.22]	0.029	1.05 [0.95;1.15]	0.38
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.46 [1.20;1.77]	<0.001	2.06 [1.64;2.57]	<0.001
	Yes, >50	1.76 [1.44;2.16]	<0.001	1.89 [1.52;2.36]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.64 [1.41;1.91]	<0.001	2.08 [1.76;2.47]	<0.001
	Outdoor	1.04 [0.63;1.72]	0.88	1.11 [0.66;1.88]	0.69
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.45 [1.01;2.06]	0.0421	2.56 [1.80;3.66]	<0.001
	Public employee	1.45 [1.07;1.97]	0.0161	3.47 [2.54;4.72]	<0.001
	Private employee	1.23 [0.91;1.67]	0.1828	1.58 [1.16;2.15]	0.0034
	Self employed	1.66 [1.18;2.33]	0.0037	1.81 [1.28;2.55]	<0.001
	Other	1.50 [0.99;2.27]	0.0558	1.36 [0.89;2.06]	0.1532
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.93 [0.72;1.20]	0.5732	1.20 [0.92;1.55]	0.1728
	Own office	1.02 [0.76;1.36]	0.9005	1.70 [1.26;2.29]	<0.001
	Shared office	1.28 [0.99;1.66]	0.062	1.89 [1.44;2.47]	<0.001
	Retail, library or factory worker	1.45 [1.08;1.93]	0.0133	1.61 [1.19;2.17]	0.0019
	Social care or education	1.52 [1.18;1.95]	0.0012	5.41 [4.14;7.08]	<0.001
	Healthcare sector	1.29 [0.98;1.71]	0.0711	6.88 [5.01;9.44]	<0.001
	Transport (e.g. bus/taxi-driver)	1.89 [1.07;3.34]	0.028	3.38 [1.73;6.60]	<0.001
	Outdoors (e.g. gardener)	0.92 [0.61;1.39]	0.6955	1.23 [0.81;1.87]	0.329
Contact to people at work	Other	1.31 [0.98;1.75]	0.0674	1.82 [1.35;2.46]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.46 [1.29;1.66]	<0.001	3.30 [2.87;3.80]	<0.001
	Yes, other	1.21 [1.07;1.36]	0.0018	1.44 [1.27;1.64]	<0.001
Education level	Non-employed	1.07 [0.85;1.34]	0.5659	0.78 [0.62;0.98]	0.031
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.04 [0.85;1.26]	0.73	1.15 [0.94;1.40]	0.19
	ISCED 2	1.01 [0.82;1.24]	0.92	1.45 [1.17;1.80]	<0.001
Income	ISCED 3&4	0.84 [0.68;1.04]	0.11	0.99 [0.80;1.23]	0.95
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.77 [0.67;0.90]	<0.001	0.82 [0.70;0.96]	0.0162
	3rd quartile	0.76 [0.66;0.88]	<0.001	0.80 [0.69;0.94]	0.0058
Ethnicity	4th quartile	0.76 [0.65;0.88]	<0.001	0.74 [0.63;0.87]	<0.001
	Danish	Ref	Ref	Ref	Ref
	Other	1.25 [1.10;1.43]	<0.001	2.42 [2.06;2.85]	<0.001

eTable 14. Subgroup Analysis of Household Size: >5 Members

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.87 [1.31;2.65]	<0.001	16.24 [8.45; 31.22]	<0.001
	Close (<2 meter, >30 min.)	3.12 [2.22;4.38]	<0.001	45.34 [20.37;100.93]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.99 [0.73;1.35]	0.95	1.60 [1.13;2.25]	0.0074
	>50	0.89 [0.49;1.62]	0.7	1.24 [0.63;2.45]	0.5343
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.50;1.03]	0.073	1.29 [0.85;1.95]	0.23
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.66 [0.49;0.90]	0.008	0.98 [0.70;1.39]	0.93
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.41 [0.15;1.17]	0.095	0.23 [0.051;1.07]	0.062
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.57 [0.17;1.89]	0.36	2.39 [0.37;15.23]	0.36
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.11 [0.80;1.54]	0.52	1.29 [0.87;1.90]	0.2
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.61 [0.41;0.91]	0.015	0.79 [0.51;1.21]	0.28
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.14 [0.81;1.61]	0.46	1.43 [0.98;2.09]	0.067
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.67 [0.40;1.10]	0.11	0.75 [0.44;1.29]	0.3
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.38 [0.21;0.70]	0.0019	0.33 [0.15;0.72]	0.0056
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.00 [0.75;1.34]	0.99	1.23 [0.91;1.67]	0.18
Bar	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.63;1.42]	0.79	1.42 [0.88;2.29]	0.15
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.11;4.87]	0.74	1.77 [0.31;10.18]	0.52
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.63;1.12]	0.24	1.05 [0.74;1.48]	0.8
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.50 [0.36;0.71]	<0.001	0.66 [0.44;0.98]	0.04
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.60;1.10]	0.17	1.06 [0.74;1.51]	0.76
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.50 [0.36;0.69]	<0.001	0.55 [0.38;0.80]	0.0018
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.62 [0.47;0.83]	<0.001	0.85 [0.62;1.16]	0.3
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.57 [0.42;0.78]	<0.001	0.65 [0.46;0.92]	0.016
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.70;1.15]	0.41	1.00 [0.74;1.34]	0.98
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.63 [0.49;0.83]	<0.001	0.58 [0.43;0.79]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.70 [0.54;0.90]	0.0055	0.50 [0.37;0.67]	<0.001

eTable 14. Subgroup Analysis of Household Size: >5 Members (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.72 [0.56;0.92]	0.008	0.85 [0.64;1.13]	0.26
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.66;1.09]	0.19	0.70 [0.52;0.93]	0.014
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.58;1.00]	0.053	0.75 [0.54;1.03]	0.073
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.02 [0.78;1.32]	0.9	1.28 [0.94;1.75]	0.12
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.11 [0.63;1.94]	0.72	2.05 [1.05;4.01]	0.035
	Yes, >50	0.89 [0.49;1.62]	0.71	1.78 [0.85;3.72]	0.125
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	0.94 [0.61; 1.46]	0.79	2.30 [1.29;4.09]	0.0047
	Outdoor	2.28 [0.49;10.60]	0.29	0.63 [0.15;2.66]	0.5258
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	0.24 [0.086;0.69]	0.0077	1.98 [0.72;5.44]	0.186
	Public employee	0.27 [0.106;0.69]	0.006	2.55 [1.08;5.99]	0.032
	Private employee	0.29 [0.113;0.74]	0.0098	1.15 [0.49;2.68]	0.751
	Self employed	0.31 [0.107;0.88]	0.0274	1.05 [0.39;2.82]	0.929
	Other	0.15 [0.034;0.61]	0.0088	1.06 [0.25;4.55]	0.936
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.38 [0.18;0.77]	0.0079	1.23 [0.55; 2.76]	0.621
	Own office	0.73 [0.33;1.62]	0.4331	2.80 [1.16; 6.78]	0.022
	Shared office	0.69 [0.33;1.44]	0.3185	1.86 [0.82; 4.24]	0.137
	Retail, library or factory worker	0.70 [0.30;1.62]	0.4062	1.35 [0.53; 3.45]	0.526
	Social care or education	0.74 [0.37;1.48]	0.3953	4.70 [2.09;10.58]	<0.001
	Healthcare sector	0.40 [0.18;0.86]	0.0198	5.52 [2.16;14.10]	<0.001
	Transport (e.g. bus/taxi-driver)	0.79 [0.18;3.37]	0.7495	4.83 [0.71;32.98]	0.108
	Outdoors (e.g. gardener)	1.27 [0.39;4.17]	0.6932	5.25 [1.25;22.07]	0.024
	Other	0.58 [0.25;1.33]	0.1986	2.36 [0.95; 5.86]	0.066
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.49 [1.03;2.14]	0.032	3.22 [2.12;4.88]	<0.001
	Yes, other	1.21 [0.85;1.72]	0.288	1.27 [0.86;1.88]	0.23
Education level	Non-employed	1.80 [0.94;3.43]	0.075	0.72 [0.36;1.45]	0.36
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	0.70 [0.40;1.22]	0.208	0.63 [0.31;1.27]	0.2
	ISCED 2	0.53 [0.30;0.93]	0.028	0.77 [0.38;1.55]	0.466
Income	ISCED 3&4	0.51 [0.29;0.90]	0.021	0.43 [0.21;0.87]	0.018
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.64 [0.45;0.93]	0.0185	0.82 [0.55;1.23]	0.33
	3rd quartile	0.63 [0.44;0.90]	0.011	0.71 [0.47;1.07]	0.1
Ethnicity	4th quartile	0.48 [0.31;0.75]	0.0011	0.39 [0.24;0.63]	<0.001
	Danish	Ref	Ref	Ref	Ref
	Other	2.04 [1.49;2.81]	<0.001	3.06 [2.03;4.62]	<0.001

eTable 15. Subgroup Analysis of Ethnicity (Danish)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.87 [1.74;2.00]	<0.001	14.41 [12.99;15.99]	<0.001
	Close (<2 meter, >30 min.)	3.11 [2.91;3.33]	<0.001	35.48 [31.49;39.99]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.09 [1.03;1.16]	0.0041	1.91 [1.80;2.04]	<0.001
	>50	1.21 [1.07;1.38]	0.0026	1.75 [1.53;2.00]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.82 [0.77;0.88]	<0.001	0.86 [0.80;0.92]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.82;0.93]	<0.001	0.99 [0.93;1.05]	0.74
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.69;0.91]	<0.001	0.85 [0.73;0.98]	0.023
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.59;0.93]	0.0083	1.17 [0.92;1.48]	0.2
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.12;1.28]	<0.001	1.59 [1.49;1.71]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.72;0.86]	<0.001	0.99 [0.91;1.09]	0.85
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.20;1.38]	<0.001	1.61 [1.50;1.73]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.82;1.01]	0.089	1.11 [0.99;1.24]	0.065
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.63 [0.55;0.73]	<0.001	0.79 [0.68;0.91]	0.0016
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.02;1.15]	0.0076	1.43 [1.34;1.51]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.28 [1.19;1.38]	<0.001	1.65 [1.52;1.78]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.31 [0.88;1.94]	0.18	2.23 [1.51;3.30]	<0.001
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.23 [1.14;1.33]	<0.001	1.49 [1.37;1.61]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.79;0.93]	<0.001	1.15 [1.05;1.26]	0.002
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.02;1.19]	0.011	1.39 [1.28;1.50]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.75;0.87]	<0.001	0.87 [0.81;0.95]	0.0012
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.95 [0.89;1.01]	0.088	1.03 [0.96;1.10]	0.4
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.81;0.94]	<0.001	0.93 [0.86;1.00]	0.064
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.02;1.14]	0.0098	1.08 [1.02;1.15]	0.0067
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.85;0.95]	<0.001	0.92 [0.87;0.98]	0.0076
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.75;0.83]	<0.001	0.73 [0.69;0.77]	<0.001

eTable 15. Subgroup Analysis of Ethnicity (Danish) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.88;0.98]	0.0078	0.93 [0.88;0.99]	0.015
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.86;0.95]	<0.001	0.82 [0.78;0.87]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.03 [0.97;1.10]	0.28	0.99 [0.92;1.05]	0.67
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.04;1.16]	<0.001	1.08 [1.02;1.14]	0.01
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.54 [1.38;1.73]	<0.001	2.22 [1.96;2.51]	<0.001
	Yes, >50	1.74 [1.55;1.95]	<0.001	2.23 [1.97;2.52]	<0.001
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.66 [1.52;1.81]	<0.001	2.36 [2.15;2.59]	<0.001
	Outdoor	1.35 [1.03;1.77]	0.031	1.32 [1.00;1.74]	0.05
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.24 [1.06;1.45]	0.0079	2.98 [2.54;3.50]	<0.001
	Public employee	1.39 [1.22;1.59]	<0.001	4.77 [4.18;5.44]	<0.001
	Private employee	1.31 [1.15;1.50]	<0.001	2.27 [1.99;2.58]	<0.001
	Self employed	1.43 [1.22;1.68]	<0.001	2.22 [1.89;2.60]	<0.001
	Other	0.97 [0.81;1.17]	0.7688	1.32 [1.10;1.59]	0.0032
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.99 [0.88;1.13]	0.923	1.55 [1.37; 1.76]	<0.001
	Own office	1.31 [1.13;1.52]	<0.001	2.42 [2.09; 2.82]	<0.001
	Shared office	1.45 [1.27;1.65]	<0.001	2.45 [2.15; 2.79]	<0.001
	Retail, library or factory worker	1.48 [1.26;1.72]	<0.001	1.80 [1.54; 2.10]	<0.001
	Social care or education	1.61 [1.42;1.83]	<0.001	6.88 [6.01; 7.87]	<0.001
	Healthcare sector	1.27 [1.10;1.46]	<0.001	8.75 [7.45;10.28]	<0.001
	Transport (e.g. bus/taxi-driver)	0.83 [0.55;1.27]	0.397	1.18 [0.76; 1.83]	0.47
	Outdoors (e.g. gardener)	1.26 [1.02;1.56]	0.032	1.47 [1.19; 1.82]	<0.001
	Other	1.32 [1.13;1.52]	<0.001	2.00 [1.73; 2.32]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.24 [1.15;1.33]	<0.001	3.05 [2.81;3.31]	<0.001
	Yes, other	1.11 [1.04;1.20]	0.0026	1.33 [1.23;1.43]	<0.001
Household size	Non-employed	0.85 [0.75;0.95]	0.0039	0.58 [0.51;0.64]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.97 [0.90;1.03]	0.33	1.31 [1.22;1.40]	<0.001
Education level	>5 persons	1.08 [0.96;1.22]	0.21	1.77 [1.56;2.02]	<0.001
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.05 [0.95;1.17]	0.322	1.35 [1.22;1.50]	<0.001
Income	ISCED 2	1.13 [1.01;1.26]	0.029	1.81 [1.62;2.02]	<0.001
	ISCED 3&4	0.94 [0.83;1.05]	0.285	1.31 [1.17;1.48]	<0.001
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.95 [0.88;1.03]	0.23	1.16 [1.07;1.26]	<0.001
	3rd quartile	1.01 [0.93;1.10]	0.75	1.28 [1.18;1.39]	<0.001
	4th quartile	1.00 [0.91;1.09]	0.94	1.20 [1.10;1.31]	<0.001

eTable 16. Subgroup Analysis of Ethnicity (Other)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.07 [0.83;1.38]	0.59	7.72 [4.52;13.18]	<0.001
	Close (<2 meter, >30 min.)	2.21 [1.77;2.76]	<0.001	12.87 [7.72;21.45]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.86 [0.70;1.06]	0.164	1.20 [0.89;1.61]	0.22
	>50	1.47 [1.01;2.16]	0.047	2.81 [1.57;5.05]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.81 [0.65;0.99]	0.041	0.65 [0.49;0.86]	0.0026
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.62;0.91]	0.0037	0.79 [0.61;1.04]	0.096
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.50;1.61]	0.73	1.68 [0.64;4.41]	0.3
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.32;0.85]	0.0086	1.96 [0.81;4.70]	0.13
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.67;1.12]	0.27	1.38 [0.96;2.00]	0.086
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.51 [0.36;0.72]	<0.001	0.83 [0.50;1.37]	0.46
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.34 [1.07;1.69]	0.011	1.22 [0.89;1.66]	0.21
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.54;1.16]	0.24	1.16 [0.66;2.02]	0.61
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.27 [0.19;0.39]	<0.001	0.33 [0.21;0.54]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.09 [0.89;1.32]	0.4	1.26 [0.97;1.65]	0.089
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.41 [1.11;1.80]	0.0048	2.99 [2.03;4.40]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.36;1.54]	0.43	1.18 [0.44;3.21]	0.74
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	0.70 [0.58;0.85]	<0.001	0.81 [0.62;1.05]	0.1
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.65 [0.54;0.80]	<0.001	0.73 [0.55;0.95]	0.02
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.63;0.91]	0.0024	1.05 [0.82;1.34]	0.7
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.53;0.77]	<0.001	0.55 [0.42;0.72]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.73 [0.62;0.87]	<0.001	0.72 [0.57;0.92]	0.0078
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.53;0.76]	<0.001	0.56 [0.43;0.72]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.64;0.89]	<0.001	0.70 [0.56;0.87]	0.0017
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.60;0.83]	<0.001	0.69 [0.55;0.87]	0.0019
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.59 [0.50;0.70]	<0.001	0.58 [0.46;0.73]	<0.001

eTable 16. Subgroup Analysis of Ethnicity (Other) (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.66;0.92]	0.0029	0.87 [0.70;1.09]	0.24
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.73;1.01]	0.061	0.77 [0.62;0.96]	0.019
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.71;0.98]	0.03	0.64 [0.51;0.81]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.83;1.18]	0.92	0.89 [0.71;1.12]	0.33
Attending large event	No	Ref	Ref	Ref	Ref
	Yes, >30	1.06 [0.71;1.60]	0.773	1.46 [0.80;2.67]	0.213
	Yes, >50	1.46 [0.95;2.23]	0.085	1.85 [0.92;3.73]	0.087
Indoor/outdoor event	No	Ref	Ref	Ref	Ref
	Indoor	1.43 [1.047;1.95]	0.024	1.77 [1.092;2.87]	0.021
	Outdoor	0.20 [0.047;0.88]	0.033	0.57 [0.061;5.44]	0.629
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	0.69 [0.43;1.12]	0.14	1.46 [0.81;2.63]	0.211
	Public employee	0.95 [0.63;1.42]	0.79	2.87 [1.78;4.63]	<0.001
	Private employee	0.76 [0.51;1.13]	0.17	2.23 [1.40;3.53]	<0.001
	Self employed	1.01 [0.61;1.69]	0.97	2.11 [1.11;3.99]	0.023
	Other	0.88 [0.50;1.54]	0.66	1.09 [0.58;2.05]	0.798
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.55 [0.38;0.81]	0.0023	1.21 [0.76; 1.90]	0.4222
	Own office	0.84 [0.52;1.36]	0.4736	2.12 [1.10; 4.09]	0.0245
	Shared office	0.77 [0.51;1.15]	0.1978	2.59 [1.52; 4.41]	<0.001
	Retail, library or factory worker	1.32 [0.82;2.12]	0.2471	2.35 [1.34; 4.13]	0.0029
	Social care or education	1.02 [0.68;1.53]	0.9096	5.79 [3.30;10.18]	<0.001
	Healthcare sector	0.89 [0.58;1.37]	0.5977	4.83 [2.61; 8.96]	<0.001
	Transport (e.g. bus/taxi-driver)	1.53 [0.77;3.02]	0.2254	2.45 [1.02; 5.86]	0.0439
	Outdoors (e.g. gardener)	0.60 [0.22;1.65]	0.3254	2.15 [0.40;11.70]	0.3754
	Other	0.78 [0.50;1.22]	0.2702	1.40 [0.81; 2.41]	0.227
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.43 [1.13;1.80]	0.0025	2.18 [1.56;3.04]	<0.001
	Yes, other	1.09 [0.86;1.38]	0.4693	1.08 [0.78;1.50]	0.645
Household size	Non-employed	1.27 [0.90;1.79]	0.1725	0.59 [0.39;0.89]	0.011
	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.79 [0.64;0.97]	0.026	0.96 [0.74;1.25]	0.78
Education level	>5 persons	1.37 [1.00;1.87]	0.048	1.17 [0.79;1.73]	0.43
	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	0.93 [0.68;1.28]	0.6686	0.72 [0.49;1.06]	0.1
Income	ISCED 2	0.77 [0.56;1.07]	0.1245	0.93 [0.61;1.41]	0.73
	ISCED 3&4	0.59 [0.42;0.83]	0.0022	0.98 [0.64;1.48]	0.91
	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.74 [0.59;0.91]	0.0053	0.83 [0.63;1.11]	0.205
	3rd quartile	0.62 [0.48;0.79]	<0.001	0.90 [0.65;1.26]	0.55
	4th quartile	0.53 [0.40;0.70]	<0.001	0.69 [0.47;1.03]	0.068

eTable 17. Cases infected in the household compared to NC

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	Options
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	0.48 [0.36; 0.62]	<0.001	3.44 [2.55; 4.65]	<0.001
	Close (<2 meter, >30 min.)	13.92 [12.39;15.64]	<0.001	143.44 [119.59;172.03]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.66 [0.59;0.73]	<0.001	1.22 [1.09;1.37]	<0.001
	>50	0.70 [0.55;0.90]	0.0047	1.09 [0.85;1.40]	0.49
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.64 [0.56;0.72]	<0.001	0.67 [0.59;0.76]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.54 [0.48;0.60]	<0.001	0.62 [0.56;0.69]	<0.001
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.53 [0.39;0.71]	<0.001	0.61 [0.46;0.82]	0.0011
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.42 [0.27;0.66]	<0.001	0.83 [0.53;1.31]	0.42
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.80;1.02]	0.097	1.15 [1.01;1.31]	0.033
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.80 [0.68;0.92]	0.0028	0.99 [0.85;1.15]	0.87
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.94;1.19]	0.39	1.25 [1.11;1.41]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.63;0.93]	0.0075	0.95 [0.78;1.15]	0.59
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.40 [0.32;0.49]	<0.001	0.45 [0.36;0.56]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.71;0.87]	<0.001	1.03 [0.93;1.14]	0.57
Bar	No	Ref	Ref	Ref	Ref
	Yes	0.75 [0.65;0.87]	<0.001	0.95 [0.82;1.11]	0.51
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.33 [0.69;2.56]	0.39	1.91 [1.02;3.58]	0.043
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.85 [1.58;2.16]	<0.001	2.22 [1.89;2.60]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	1.48 [1.23;1.77]	<0.001	1.80 [1.51;2.16]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.70 [1.45;1.98]	<0.001	2.01 [1.72;2.36]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	1.35 [1.15;1.58]	<0.001	1.33 [1.13;1.57]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.44 [1.28;1.63]	<0.001	1.48 [1.31;1.68]	<0.001
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	1.45 [1.24;1.68]	<0.001	1.43 [1.22;1.66]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.39 [1.26;1.55]	<0.001	1.36 [1.22;1.51]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	1.22 [1.09;1.36]	<0.001	1.19 [1.07;1.33]	0.0018
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	1.20 [1.09;1.32]	<0.001	1.03 [0.94;1.14]	0.51

eTable 17. Cases infected in the household compared to NC (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	1.09 [0.99;1.21]	0.08	1.11 [1.00;1.23]	0.043
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.98;1.17]	0.15	0.95 [0.87;1.04]	0.29
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.35 [1.20;1.52]	<0.001	1.26 [1.12;1.42]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.35 [1.23;1.48]	<0.001	1.33 [1.21;1.46]	<0.001
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	0.85 [0.68;1.07]	0.1592	1.40 [1.10;1.77]	0.0057
	Yes, >50	0.64 [0.49;0.85]	0.0016	0.79 [0.60;1.05]	0.1099
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	0.79 [0.65;0.94]	0.0096	1.17 [0.97;1.42]	0.104
	Outdoor	0.34 [0.15;0.77]	0.0101	0.35 [0.15;0.80]	0.013
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	0.89 [0.68;1.17]	0.4174	2.05 [1.57;2.68]	<0.001
	Public employee	0.71 [0.57;0.88]	0.0016	2.45 [1.99;3.03]	<0.001
	Private employee	0.87 [0.70;1.07]	0.1811	1.48 [1.21;1.82]	<0.001
	Self-employed	0.87 [0.67;1.13]	0.3039	1.44 [1.11;1.86]	0.0054
	Other	0.83 [0.61;1.15]	0.2662	1.05 [0.76;1.45]	0.7506
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.90 [0.74;1.10]	0.31	1.44 [1.18;1.76]	<0.001
	Own office	0.89 [0.70;1.13]	0.337	1.72 [1.35;2.20]	<0.001
	Shared office	0.93 [0.75;1.15]	0.485	1.69 [1.37;2.08]	<0.001
	Retail, library or factory worker	0.76 [0.57;1.00]	0.049	0.99 [0.75;1.31]	0.97
	Social care or education	0.69 [0.55;0.86]	<0.001	3.16 [2.53;3.96]	<0.001
	Healthcare sector	0.63 [0.50;0.81]	<0.001	4.48 [3.47;5.80]	<0.001
	Transport (e.g. bus/taxi-driver)	0.83 [0.47;1.47]	0.52	1.19 [0.66;2.17]	0.562
	Outdoors (e.g. gardener)	0.63 [0.41;0.95]	0.026	0.80 [0.53;1.21]	0.289
	Other	0.86 [0.66;1.11]	0.24	1.28 [0.99;1.64]	0.061
	No contact	Ref	Ref	Ref	Ref
Contact to people at work	Yes, close	0.67 [0.59;0.77]	<0.001	1.79 [1.56;2.06]	<0.001
	Yes, other	0.87 [0.77;0.97]	0.014	1.05 [0.93;1.18]	0.43
	Non-employed	1.09 [0.91;1.31]	0.364	0.71 [0.59;0.85]	<0.001
	1 to 2 persons	Ref	Ref	Ref	Ref
Household size	3 to 4 persons	1.85 [1.64;2.08]	<0.001	2.47 [2.20;2.78]	<0.001
	>5 persons	2.90 [2.43;3.47]	<0.001	4.55 [3.78;5.48]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.01 [0.83;1.23]	0.91	1.28 [1.05;1.55]	0.013
	ISCED 2	1.09 [0.89;1.32]	0.41	1.72 [1.41;2.10]	<0.001
	ISCED 3&4	1.09 [0.89;1.33]	0.42	1.53 [1.24;1.88]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	1.02 [0.88;1.18]	0.7838	1.21 [1.04;1.40]	0.011
	3rd quartile	1.10 [0.95;1.28]	0.2048	1.38 [1.19;1.61]	<0.001
	4th quartile	1.25 [1.07;1.46]	0.0046	1.45 [1.25;1.69]	<0.001
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.29 [1.13;1.48]	<0.001	2.87 [2.48;3.33]	<0.001

eTable 18. Main analysis adjusted for wearing a mask

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	Options
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.78 [1.66;1.90]	<0.001	14.07 [12.70;15.59]	<0.001
	Close (<2 meter, >30 min.)	2.99 [2.81;3.19]	<0.001	34.38 [30.55;38.68]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.06 [1.00;1.12]	0.046	1.84 [1.73;1.96]	<0.001
	>50	1.25 [1.11;1.40]	<0.001	1.81 [1.60;2.05]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.78;0.88]	<0.001	0.86 [0.81;0.92]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.81;0.91]	<0.001	0.97 [0.92;1.03]	0.37
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.68;0.89]	<0.001	0.85 [0.74;0.97]	0.018
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.70 [0.58;0.85]	<0.001	1.28 [1.03;1.59]	0.028
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.09;1.23]	<0.001	1.55 [1.44;1.65]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.70;0.82]	<0.001	0.96 [0.88;1.05]	0.4
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.27 [1.19;1.35]	<0.001	1.55 [1.45;1.66]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.80;0.98]	0.016	1.08 [0.97;1.20]	0.18
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.52 [0.46;0.59]	<0.001	0.62 [0.54;0.70]	<0.001
Restaurants/cafés	No	Ref	Ref	Ref	Ref
	Yes	1.07 [1.02;1.13]	0.012	1.39 [1.31;1.47]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.20;1.39]	<0.001	1.67 [1.54;1.80]	<0.001
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	1.86 [1.68;2.07]	<0.001	2.59 [2.33;2.88]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	1.32 [1.14;1.54]	<0.001	2.57 [2.20;2.99]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.55 [1.40;1.71]	<0.001	2.25 [2.03;2.50]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.82;1.00]	0.061	1.12 [1.01;1.24]	0.038
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.05 [0.98;1.13]	0.17	1.21 [1.13;1.30]	<0.001
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.90;1.09]	0.87	1.18 [1.07;1.29]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.14 [1.08;1.21]	<0.001	1.18 [1.11;1.26]	<0.001
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.94 [0.88;1.00]	0.034	0.98 [0.92;1.04]	0.56
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.78 [0.74;0.83]	<0.001	0.71 [0.67;0.75]	<0.001

eTable 18. Main analysis adjusted for wearing a mask (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.93;1.04]	0.61	1.04 [0.98;1.10]	0.24
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.91;1.01]	0.13	0.88 [0.84;0.93]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.14 [1.07;1.22]	<0.001	1.09 [1.02;1.17]	0.015
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.14 [1.08;1.20]	<0.001	1.12 [1.06;1.19]	<0.001
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.49 [1.34;1.66]	<0.001	2.24 [1.99;2.52]	<0.001
	Yes, >50	1.72 [1.55;1.92]	<0.001	2.23 [1.98;2.51]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	1.63 [1.51;1.77]	<0.001	2.38 [2.17;2.61]	<0.001
	Outdoor	1.26 [0.97;1.63]	0.086	1.30 [0.99;1.70]	0.055
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.20 [1.03;1.39]	0.016	2.77 [2.38;3.21]	<0.001
	Public employee	1.33 [1.18;1.50]	<0.001	4.37 [3.86;4.93]	<0.001
	Private employee	1.23 [1.09;1.39]	<0.001	2.12 [1.88;2.39]	<0.001
	Self-employed	1.35 [1.17;1.57]	<0.001	2.10 [1.81;2.43]	<0.001
	Other	1.02 [0.86;1.21]	0.818	1.35 [1.14;1.60]	<0.001
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.93 [0.83;1.05]	0.2466	1.42 [1.27;1.60]	<0.001
	Own office	1.24 [1.08;1.43]	0.0018	2.19 [1.90;2.52]	<0.001
	Shared office	1.35 [1.20;1.53]	<0.001	2.25 [2.00;2.54]	<0.001
	Retail, library or factory worker	1.45 [1.26;1.67]	<0.001	1.81 [1.57;2.09]	<0.001
	Social care or education	1.51 [1.35;1.70]	<0.001	6.35 [5.60;7.20]	<0.001
	Healthcare sector	1.23 [1.08;1.41]	0.0016	7.96 [6.86;9.25]	<0.001
	Transport (e.g. bus/taxi-driver)	1.32 [0.97;1.81]	0.0751	1.99 [1.44;2.76]	<0.001
	Outdoors (e.g. gardener)	1.18 [0.96;1.44]	0.1161	1.30 [1.06;1.60]	0.012
Contact to people at work	Other	1.26 [1.10;1.45]	<0.001	1.92 [1.68;2.20]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.25 [1.16;1.34]	<0.001	3.08 [2.85;3.34]	<0.001
	Yes, other	1.11 [1.04;1.19]	0.0015	1.31 [1.22;1.40]	<0.001
	Non-employed	0.90 [0.81;0.99]	0.0387	0.61 [0.55;0.68]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.93 [0.87;1.00]	0.042	1.25 [1.17;1.34]	<0.001
	>5 persons	1.09 [0.97;1.23]	0.160	1.76 [1.55;1.99]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.06 [0.96;1.18]	0.25	1.39 [1.25;1.55]	<0.001
	ISCED 2	1.13 [1.01;1.25]	0.03	1.84 [1.65;2.05]	<0.001
	ISCED 3&4	0.94 [0.84;1.06]	0.32	1.37 [1.22;1.54]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.91 [0.84;0.98]	0.013	1.07 [0.99;1.16]	0.10
	3rd quartile	0.94 [0.87;1.02]	0.149	1.15 [1.06;1.25]	<0.001
	4th quartile	0.93 [0.86;1.02]	0.107	1.05 [0.96;1.14]	0.26
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.23 [1.13;1.33]	<0.001	2.76 [2.51;3.04]	<0.001

eTable 19. Main analysis adjusted for handwashing

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	Options
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.73 [1.61;1.85]	<0.001	13.30 [11.99;14.74]	<0.001
	Close (<2 meter, >30 min.)	2.93 [2.75;3.12]	<0.001	33.03 [29.32;37.22]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.06 [1.00;1.12]	0.057	1.87 [1.75;1.98]	<0.001
	>50	1.24 [1.10;1.40]	<0.001	1.80 [1.58;2.05]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.78;0.88]	<0.001	0.87 [0.81;0.93]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.80;0.90]	<0.001	0.97 [0.91;1.03]	0.31
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.67;0.88]	<0.001	0.85 [0.74;0.98]	0.024
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.67 [0.55;0.83]	<0.001	1.26 [1.00;1.58]	0.05
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.09;1.24]	<0.001	1.56 [1.45;1.67]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.70;0.83]	<0.001	0.97 [0.88;1.05]	0.43
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.28 [1.20;1.37]	<0.001	1.59 [1.49;1.70]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.79;0.97]	0.013	1.10 [0.98;1.22]	0.095
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.53 [0.46;0.60]	<0.001	0.63 [0.55;0.72]	<0.001
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.02;1.14]	0.005	1.41 [1.33;1.49]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.32 [1.23;1.42]	<0.001	1.70 [1.57;1.84]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.72;1.43]	0.93	1.31 [0.94;1.83]	0.12
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.64;0.79]	<0.001	0.93 [0.84;1.03]	0.17
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.95;1.13]	0.42	1.26 [1.15;1.37]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.67 [0.62;0.74]	<0.001	0.67 [0.62;0.74]	<0.001
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.83;0.95]	<0.001	0.93 [0.87;1.00]	0.051
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.70;0.82]	<0.001	0.76 [0.70;0.83]	<0.001
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.98;1.10]	0.22	0.99 [0.94;1.05]	0.82
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.80;0.89]	<0.001	0.82 [0.77;0.87]	<0.001
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.74 [0.70;0.78]	<0.001	0.65 [0.62;0.69]	<0.001

eTable 19. Main analysis adjusted for handwashing (continued)

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.84;0.94]	<0.001	0.88 [0.83;0.93]	<0.001
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.85;0.94]	<0.001	0.78 [0.74;0.82]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	0.99 [0.93;1.05]	0.69	0.87 [0.81;0.93]	<0.001
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.03;1.14]	0.004	1.02 [0.97;1.08]	0.43
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.48 [1.33;1.65]	<0.001	2.20 [1.95;2.49]	<0.001
	Yes, >50	1.69 [1.51;1.88]	<0.001	2.22 [1.96;2.51]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	1.61 [1.48;1.75]	<0.001	2.35 [2.14;2.58]	<0.001
	Outdoor	1.24 [0.95;1.61]	0.12	1.28 [0.98;1.69]	0.074
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.19 [1.02;1.38]	0.025	2.77 [2.38;3.23]	<0.001
	Public employee	1.33 [1.18;1.50]	<0.001	4.35 [3.84;4.92]	<0.001
	Private employee	1.23 [1.09;1.39]	<0.001	2.11 [1.86;2.38]	<0.001
	Self-employed	1.36 [1.17;1.58]	<0.001	2.14 [1.84;2.49]	<0.001
	Other	1.04 [0.87;1.24]	0.669	1.35 [1.14;1.61]	<0.001
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.94 [0.84;1.06]	0.3155	1.42 [1.26;1.60]	<0.001
	Own office	1.23 [1.07;1.41]	0.0039	2.27 [1.96;2.62]	<0.001
	Shared office	1.35 [1.19;1.52]	<0.001	2.25 [1.99;2.55]	<0.001
	Retail, library or factory worker	1.47 [1.27;1.70]	<0.001	1.79 [1.55;2.07]	<0.001
	Social care or education	1.49 [1.32;1.68]	<0.001	6.34 [5.58;7.21]	<0.001
	Healthcare sector	1.25 [1.09;1.43]	0.0010	8.04 [6.89;9.37]	<0.001
	Transport (e.g. bus/taxi-driver)	1.38 [1.01;1.89]	0.0450	2.01 [1.44;2.80]	<0.001
	Outdoors (e.g. gardener)	1.20 [0.97;1.47]	0.0932	1.40 [1.14;1.73]	0.0016
	Other	1.28 [1.12;1.47]	<0.001	1.87 [1.63;2.15]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.26 [1.17;1.35]	<0.001	3.11 [2.87;3.37]	<0.001
	Yes, other	1.12 [1.05;1.20]	<0.001	1.33 [1.24;1.42]	<0.001
	Non-employed	0.89 [0.80;0.99]	0.038	0.60 [0.54;0.67]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.95 [0.89;1.01]	0.102	1.28 [1.20;1.37]	<0.001
	>5 persons	1.13 [1.01;1.27]	0.034	1.83 [1.62;2.07]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.02 [0.92;1.12]	0.741	1.32 [1.19;1.46]	<0.001
	ISCED 2	1.06 [0.95;1.17]	0.296	1.73 [1.56;1.92]	<0.001
	ISCED 3&4	0.88 [0.79;0.99]	0.027	1.29 [1.15;1.44]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.89 [0.82;0.96]	0.0022	1.05 [0.97;1.13]	0.216
	3rd quartile	0.91 [0.85;0.99]	0.0255	1.10 [1.02;1.20]	0.016
	4th quartile	0.88 [0.81;0.96]	0.0025	1.03 [0.95;1.12]	0.462
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.31 [1.21;1.41]	<0.001	2.95 [2.69;3.23]	<0.001

eTable 20. Main analysis adjusted for wearing a mask and handwashing

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Qu Rate Ratio [CI]	Options
Contact w/ SARS-Cov-2 positive	None	Ref	Ref	Ref	Ref
	Other	1.74 [1.62;1.86]	<0.001	13.70 [12.32;15.23]	<0.001
	Close (<2 meter, >30 min.)	2.95 [2.77;3.15]	<0.001	33.57 [29.70;37.94]	<0.001
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	1.06 [1.00;1.12]	0.052	1.87 [1.76;1.99]	<0.001
	>50	1.24 [1.10;1.40]	<0.001	1.84 [1.62;2.10]	<0.001
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.83 [0.78;0.88]	<0.001	0.87 [0.82;0.93]	<0.001
Train travel	No	Ref	Ref	Ref	Ref
	Yes	0.85 [0.80;0.90]	<0.001	0.97 [0.91;1.03]	0.36
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.67;0.88]	<0.001	0.86 [0.74;0.99]	0.037
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.68 [0.55;0.83]	<0.001	1.26 [1.00;1.58]	0.05
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.16 [1.08;1.23]	<0.001	1.57 [1.46;1.68]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.76 [0.70;0.83]	<0.001	0.97 [0.89;1.06]	0.47
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.21;1.37]	<0.001	1.60 [1.49;1.71]	<0.001
Use of public swimming pool or sauna	No	Ref	Ref	Ref	Ref
	Yes	0.88 [0.79;0.98]	0.015	1.10 [0.98;1.22]	0.1
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.53 [0.46;0.60]	<0.001	0.63 [0.55;0.72]	<0.001
Restaurants/cafés	No	Ref	Ref	Ref	Ref
	Yes	1.08 [1.02;1.14]	0.0061	1.41 [1.33;1.50]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.32 [1.22;1.41]	<0.001	1.71 [1.58;1.85]	<0.001
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	1.14 [0.96;1.35]	0.12	2.12 [1.79;2.50]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.39 [1.25;1.55]	<0.001	1.99 [1.78;2.23]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	0.84 [0.75;0.93]	0.0013	0.97 [0.87;1.09]	0.64
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.01 [0.94;1.08]	0.8	1.12 [1.04;1.20]	0.0039
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.84;1.02]	0.12	1.05 [0.95;1.16]	0.32
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.11 [1.05;1.18]	<0.001	1.10 [1.03;1.17]	0.0031
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.90 [0.85;0.96]	0.0014	0.91 [0.86;0.98]	0.0068
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.77 [0.73;0.82]	<0.001	0.69 [0.65;0.73]	<0.001
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.94 [0.89;1.00]	0.053	0.96 [0.90;1.02]	0.15

**eTable 20. Main analysis adjusted for wearing a mask and handwashing
(continued)**

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Rate Ratio [CI]	P-value
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.88;0.98]	0.004	0.82 [0.77;0.86]	<0.001
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.03;1.18]	0.0049	1.02 [0.95;1.10]	0.63
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.10 [1.04;1.16]	<0.001	1.05 [0.99;1.11]	0.1
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.48 [1.33;1.65]	<0.001	2.21 [1.96;2.50]	<0.001
	Yes, >50	1.69 [1.51;1.88]	<0.001	2.24 [1.98;2.53]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	1.61 [1.49;1.75]	<0.001	2.38 [2.17;2.61]	<0.001
	Outdoor	1.23 [0.94;1.60]	0.13	1.27 [0.96;1.67]	0.096
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.20 [1.03;1.39]	0.019	2.75 [2.36;3.20]	<0.001
	Public employee	1.34 [1.18;1.51]	<0.001	4.29 [3.79;4.86]	<0.001
	Private employee	1.23 [1.09;1.40]	<0.001	2.08 [1.84;2.35]	<0.001
	Self-employed	1.37 [1.18;1.60]	<0.001	2.14 [1.83;2.49]	<0.001
	Other	1.04 [0.87;1.24]	0.669	1.34 [1.12;1.59]	0.0012
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.94 [0.83;1.06]	0.2887	1.40 [1.24;1.58]	<0.001
	Own office	1.23 [1.07;1.42]	0.0036	2.24 [1.94;2.59]	<0.001
	Shared office	1.35 [1.19;1.53]	<0.001	2.23 [1.97;2.53]	<0.001
	Retail, library or factory worker	1.47 [1.27;1.70]	<0.001	1.77 [1.53;2.06]	<0.001
	Social care or education	1.49 [1.32;1.68]	<0.001	6.28 [5.52;7.15]	<0.001
	Healthcare sector	1.26 [1.10;1.43]	<0.001	7.95 [6.82;9.28]	<0.001
	Transport (e.g. bus/taxi-driver)	1.32 [0.96;1.82]	0.0853	1.90 [1.36;2.66]	<0.001
	Outdoors (e.g. gardener)	1.20 [0.97;1.48]	0.0877	1.37 [1.11;1.70]	0.0033
	Other	1.28 [1.11;1.47]	<0.001	1.87 [1.62;2.15]	<0.001
	No contact	Ref	Ref	Ref	Ref
	Yes, close	1.26 [1.18;1.36]	<0.001	3.14 [2.90;3.40]	<0.001
Contact to people at work	Yes, other	1.12 [1.05;1.20]	0.0011	1.33 [1.24;1.43]	<0.001
	Non-employed	0.89 [0.80;1.00]	0.0412	0.61 [0.55;0.68]	<0.001
	Household size	1 to 2 persons	Ref	Ref	Ref
Household size	3 to 4 persons	0.93 [0.87;0.99]	0.029	1.26 [1.17;1.35]	<0.001
	>5 persons	1.09 [0.96;1.23]	0.184	1.77 [1.56;2.02]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.07 [0.96;1.18]	0.24	1.38 [1.24;1.54]	<0.001
	ISCED 2	1.12 [1.01;1.25]	0.04	1.82 [1.63;2.04]	<0.001
	ISCED 3&4	0.93 [0.83;1.05]	0.25	1.36 [1.21;1.53]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.89 [0.83;0.97]	0.0059	1.07 [0.99;1.16]	0.0997
	3rd quartile	0.94 [0.87;1.02]	0.1402	1.14 [1.05;1.24]	0.0018
Ethnicity	4th quartile	0.92 [0.84;1.00]	0.0617	1.05 [0.97;1.15]	0.2338
	Danish	Ref	Ref	Ref	Ref
	Other	1.22 [1.12;1.32]	<0.001	2.73 [2.47;3.01]	<0.001

eTable 21. Symptomatic cases compared to symptomatic NC

Questions	Options	Cases compared to negative controls		
		Cases/controls	Rate Ratio [CI]	P-value
Contact w/ SARS-Cov-2 positive	None	2104/4979	Ref	Ref
	Other	582/308	4.23 [3.53; 5.06]	<0.001
Daily contacts	Close (<2 meter, >30 min.)	622/166	8.78 [7.01;11.01]	<0.001
	<10	1876/3184	Ref	Ref
	10 to 50	1102/1841	0.98 [0.87;1.10]	0.6881
	>50	194/233	1.40 [1.09;1.78]	0.0078
Bus travel	No	2095/3603	Ref	Ref
	Yes	834/1450	0.97 [0.86;1.10]	0.67
Train travel	No	1533/2651	Ref	Ref
	Yes	1464/2467	1.00 [0.89;1.12]	0.96
Ferry travel	No	2755/4771	Ref	Ref
	Yes	126/219	1.03 [0.78;1.36]	0.81
Airplane travel	No	2818/4922	Ref	Ref
	Yes	54/62	1.40 [0.90;2.19]	0.14
Indoor sports	No	2158/3965	Ref	Ref
	Yes	775/1061	1.38 [1.21;1.57]	<0.001
Outdoor sports	No	2540/4293	Ref	Ref
	Yes	343/704	0.84 [0.70;1.00]	0.052
Visiting a gym	No	2094/3916	Ref	Ref
	Yes	832/1098	1.43 [1.26;1.63]	<0.001
Use of public swimming pool or sauna	No	2630/4510	Ref	Ref
	Yes	253/484	0.90 [0.74;1.10]	0.3
Grocery shopping	No	140/126	Ref	Ref
	Yes	2952/5067	0.56 [0.41;0.77]	<0.001
Restaurants/café's	No	1167/2298	Ref	Ref
	Yes	1824/2781	1.35 [1.20;1.51]	<0.001
Bar	No	2223/4210	Ref	Ref
	Yes	677/789	1.66 [1.43;1.93]	<0.001
Wearing a mask	No	22/29	Ref	Ref
	Yes	3187/5257	0.53 [0.27;1.04]	0.066
Frequent handwashing	No	276/714	Ref	Ref
	Yes	3047/4757	1.76 [1.47;2.09]	<0.001
Frequent hand sanitizer use	No	183/326	Ref	Ref
	Yes	3140/5145	0.86 [0.63;1.16]	0.32
Sneezing in elbow	No	301/590	Ref	Ref
	Yes	3022/4881	1.05 [0.85;1.30]	0.65
Avoiding handshakes	No	278/444	Ref	Ref
	Yes	3045/5027	0.84 [0.67;1.06]	0.15
Avoiding hugs	No	589/1060	Ref	Ref
	Yes	2734/4411	1.02 [0.88;1.19]	0.76
Physical distancing	No	359/579	Ref	Ref
	Yes	2964/4892	0.86 [0.71;1.05]	0.15
Limiting public transport	No	985/1709	Ref	Ref
	Yes	2338/3762	1.06 [0.94;1.20]	0.35
Avoiding social events	No	875/1267	Ref	Ref
	Yes	2448/4204	0.77 [0.68;0.88]	<0.001
Staying more at home	No	1803/2543	Ref	Ref
	Yes	1520/2928	0.76 [0.68;0.85]	<0.001

eTable 21. Symptomatic sases compared to symptomatic NC (continued)

Questions	Options	Cases compared to negative controls		
		Cases/controls	Rate Ratio [CI]	P-value
Avoiding crowds	No	1022/1630	Ref	Ref
	Yes	2301/3841	0.93 [0.83;1.05]	0.26
Avoiding sports with others	No	1678/2630	Ref	Ref
	Yes	1645/2841	0.90 [0.80;1.00]	0.043
Limiting traveling	No	646/1104	Ref	Ref
	Yes	2677/4367	1.01 [0.87;1.17]	0.91
Limiting grocery shopping	No	2003/3308	Ref	Ref
	Yes	1320/2163	0.99 [0.89;1.11]	0.91
Attending large events	No	2691/4850	Ref	Ref
	Yes, >30	259/236	1.91 [1.52;2.40]	<0.001
	Yes, >50	261/211	2.13 [1.70;2.66]	<0.001
Indoor/outdoor events	No	2691/4850	Ref	Ref
	Indoor	478/404	2.06 [1.73;2.45]	<0.001
	Outdoor	37/42	1.44 [0.83;2.50]	0.19
Primary employment	Non-employed	258/384	Ref	Ref
	Student	409/569	1.24 [0.90;1.70]	0.197
	Public employee	1090/1801	1.39 [1.07;1.81]	0.013
	Private employee	1113/2011	1.18 [0.91;1.54]	0.213
	Self-employed	216/345	1.34 [0.97;1.84]	0.072
	Other	92/155	1.07 [0.70;1.63]	0.754
Type of occupation	Non-employed	299/430	Ref	Ref
	At home	662/1436	0.97 [0.76;1.25]	0.836
	Own office	254/400	1.32 [0.98;1.76]	0.065
	Shared office	558/935	1.28 [0.99;1.66]	0.058
	Retail, library or factory worker	190/281	1.36 [0.98;1.88]	0.063
	Social care or education	575/860	1.39 [1.07;1.79]	0.013
	Healthcare sector	331/419	1.66 [1.25;2.20]	<0.001
	Transport (e.g. bus/taxi-driver)	25/19	2.30 [1.00;5.29]	0.051
	Outdoors (e.g. gardener)	60/111	0.92 [0.57;1.48]	0.736
	Other	215/351	1.22 [0.90;1.65]	0.209
Contact to people at work	No contact	999/1905	Ref	Ref
	Yes, close	856/1227	1.40 [1.21;1.61]	<0.001
	Yes, other	982/1626	1.16 [1.02;1.33]	0.027
	Non-employed	321/485	0.92 [0.73;1.16]	0.473
Household size	1 to 2 persons	1974/2944	Ref	Ref
	3 to 4 persons	1075/2141	0.77 [0.68;0.88]	<0.001
	>5 persons	208/325	1.03 [0.80;1.34]	0.81
Education level	ISCED 0	399/636	Ref	Ref
	ISCED 1	1080/1597	1.17 [0.92;1.51]	0.204
	ISCED 2	1049/1669	1.28 [1.00;1.65]	0.051
	ISCED 3&4	677/1439	0.99 [0.76;1.28]	0.926
Income	1st quartile	911/1326	Ref	Ref
	2nd quartile	775/1385	0.89 [0.76;1.04]	0.156
	3rd quartile	812/1396	0.96 [0.82;1.14]	0.667
	4th quartile	759/1303	0.84 [0.70;1.00]	0.053
Ethnicity	Danish	2823/4955	Ref	Ref
	Other	500/516	1.62 [1.38;1.91]	<0.001

eTable 22. Cases with unknown source of infection compared to NC and UC

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Daily contacts	<10	Ref	Ref	Ref	Ref
	10 to 50	0.86 [0.78;0.95]	0.0018	1.56 [1.41;1.72]	<0.001
	>50	0.99 [0.81;1.22]	0.9538	1.36 [1.10;1.68]	0.0049
Bus travel	No	Ref	Ref	Ref	Ref
	Yes	0.93 [0.84;1.03]	0.18	0.97 [0.87;1.08]	0.58
Train travel	No	Ref	Ref	Ref	Ref
	Yes	1.06 [0.96;1.16]	0.26	1.23 [1.12;1.35]	<0.001
Ferry travel	No	Ref	Ref	Ref	Ref
	Yes	0.86 [0.69;1.06]	0.16	0.98 [0.79;1.22]	0.86
Airplane travel	No	Ref	Ref	Ref	Ref
	Yes	0.79 [0.58;1.06]	0.12	1.52 [1.10;2.11]	0.011
Indoor sports	No	Ref	Ref	Ref	Ref
	Yes	1.26 [1.14;1.40]	<0.001	1.68 [1.50;1.87]	<0.001
Outdoor sports	No	Ref	Ref	Ref	Ref
	Yes	0.71 [0.62;0.82]	<0.001	0.90 [0.78;1.04]	0.16
Visiting a gym	No	Ref	Ref	Ref	Ref
	Yes	1.52 [1.37;1.68]	<0.001	1.87 [1.69;2.08]	<0.001
Use of public swimming pool	No	Ref	Ref	Ref	Ref
	Yes	1.10 [0.94;1.28]	0.24	1.31 [1.11;1.54]	0.0011
Grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	0.58 [0.47;0.72]	<0.001	0.71 [0.57;0.88]	0.0018
Restaurants/café	No	Ref	Ref	Ref	Ref
	Yes	1.33 [1.22;1.46]	<0.001	1.77 [1.61;1.95]	<0.001
Bar	No	Ref	Ref	Ref	Ref
	Yes	1.67 [1.49;1.87]	<0.001	2.20 [1.96;2.47]	<0.001
Wearing a mask	No	Ref	Ref	Ref	Ref
	Yes	1.26 [0.72;2.22]	0.42	1.25 [0.72;2.17]	0.44
Frequent handwashing	No	Ref	Ref	Ref	Ref
	Yes	2.21 [1.00;4.92]	0.051	2.46 [1.09;5.52]	0.03
Frequent hand sanitizer use	No	Ref	Ref	Ref	Ref
	Yes	1.29 [1.04;1.61]	0.021	1.66 [1.34;2.04]	<0.001
Sneezing in elbow	No	Ref	Ref	Ref	Ref
	Yes	1.36 [1.16;1.60]	<0.001	1.66 [1.42;1.94]	<0.001
Avoiding handshakes	No	Ref	Ref	Ref	Ref
	Yes	1.04 [0.88;1.23]	0.61	1.05 [0.89;1.24]	0.55
Avoiding hugs	No	Ref	Ref	Ref	Ref
	Yes	1.10 [0.98;1.23]	0.11	1.12 [0.99;1.25]	0.063
Physical distancing	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.92;1.24]	0.37	1.05 [0.91;1.22]	0.51
Limiting public transport	No	Ref	Ref	Ref	Ref
	Yes	1.13 [1.03;1.24]	0.011	1.10 [1.00;1.21]	0.05
Avoiding social events	No	Ref	Ref	Ref	Ref
	Yes	0.89 [0.81;0.98]	0.019	0.85 [0.77;0.94]	0.0014
Staying more at home	No	Ref	Ref	Ref	Ref
	Yes	0.87 [0.79;0.95]	0.0014	0.76 [0.69;0.83]	<0.001
Avoiding crowds	No	Ref	Ref	Ref	Ref
	Yes	0.96 [0.88;1.05]	0.39	0.94 [0.86;1.03]	0.21
Avoiding sports with others	No	Ref	Ref	Ref	Ref
	Yes	0.91 [0.83;0.99]	0.022	0.78 [0.71;0.85]	<0.001

**eTable 22. Cases with unknown source of infection compared to NC and UC
(continued)**

Questions	Options	Cases compared to negative controls		Cases compared to untested controls	
		Rate Ratio [CI]	P-value	Questions	P-value
Limiting traveling	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.97;1.19]	0.19	0.96 [0.86;1.07]	0.48
Limiting grocery shopping	No	Ref	Ref	Ref	Ref
	Yes	1.07 [0.98;1.16]	0.15	1.00 [0.91;1.09]	0.95
Attending large events	No	Ref	Ref	Ref	Ref
	Yes, >30	1.78 [1.52;2.09]	<0.001	2.67 [2.24;3.18]	<0.001
	Yes, >50	2.37 [2.03;2.77]	<0.001	3.22 [2.72;3.81]	<0.001
Indoor/outdoor events	No	Ref	Ref	Ref	Ref
	Indoor	2.09 [1.85;2.35]	<0.001	3.08 [2.70;3.51]	<0.001
	Outdoor	1.69 [1.16;2.45]	0.0057	1.93 [1.33;2.82]	<0.001
Primary employment	Non-employed	Ref	Ref	Ref	Ref
	Student	1.06 [0.84;1.34]	0.629	2.44 [1.93;3.09]	<0.001
	Public employee	1.09 [0.91;1.32]	0.352	3.46 [2.86;4.18]	<0.001
	Private employee	1.08 [0.90;1.31]	0.405	1.88 [1.56;2.27]	<0.001
	Self-employed	1.26 [1.00;1.59]	0.046	1.97 [1.56;2.49]	<0.001
	Other	0.97 [0.74;1.27]	0.807	1.20 [0.92;1.58]	0.18
Type of occupation	Non-employed	Ref	Ref	Ref	Ref
	At home	0.97 [0.81;1.17]	0.7664	1.48 [1.24;1.77]	<0.001
	Own office	1.07 [0.86;1.33]	0.5358	2.08 [1.67;2.59]	<0.001
	Shared office	1.17 [0.97;1.41]	0.1094	2.00 [1.66;2.42]	<0.001
	Retail, library or factory worker	1.20 [0.95;1.52]	0.1293	1.49 [1.18;1.89]	<0.001
	Social care or education	1.00 [0.82;1.21]	0.9855	4.12 [3.37;5.04]	<0.001
	Healthcare sector	1.14 [0.92;1.40]	0.2211	7.45 [5.95;9.34]	<0.001
	Transport (e.g. bus/taxi-driver)	1.82 [1.17;2.84]	0.0078	2.44 [1.52;3.90]	<0.001
	Outdoors (e.g. gardener)	1.03 [0.73;1.44]	0.8842	1.18 [0.83;1.67]	0.35
	Other	1.06 [0.85;1.32]	0.6151	1.47 [1.18;1.83]	<0.001
Contact to people at work	No contact	Ref	Ref	Ref	Ref
	Yes, close	0.95 [0.84;1.06]	0.36	2.32 [2.05;2.64]	<0.001
	Yes, other	1.03 [0.93;1.14]	0.58	1.22 [1.09;1.36]	<0.001
	Non-employed	0.92 [0.78;1.08]	0.31	0.61 [0.52;0.72]	<0.001
Household size	1 to 2 persons	Ref	Ref	Ref	Ref
	3 to 4 persons	0.87 [0.78;0.97]	0.013	1.19 [1.07;1.33]	0.0015
	>5 persons	0.95 [0.78;1.17]	0.646	1.57 [1.28;1.94]	<0.001
Education level	ISCED 0	Ref	Ref	Ref	Ref
	ISCED 1	1.07 [0.91;1.27]	0.41	1.43 [1.21;1.70]	<0.001
	ISCED 2	1.15 [0.96;1.37]	0.12	1.89 [1.58;2.25]	<0.001
	ISCED 3&4	0.98 [0.82;1.18]	0.85	1.46 [1.21;1.76]	<0.001
Income	1st quartile	Ref	Ref	Ref	Ref
	2nd quartile	0.78 [0.68;0.88]	<0.001	0.88 [0.78;1.00]	0.048
	3rd quartile	0.80 [0.71;0.92]	<0.001	0.97 [0.86;1.11]	0.693
	4th quartile	0.85 [0.74;0.97]	0.02	0.98 [0.85;1.12]	0.726
Ethnicity	Danish	Ref	Ref	Ref	Ref
	Other	1.45 [1.29;1.64]	<0.001	3.28 [2.86;3.76]	<0.001