**S1 Table. Checklisted STROBE Statement.**

|  | **Item No** | **Recommendation** |
| --- | --- | --- |
| **Title and abstract** | 1 | (*a*) ~~Indicate the study’s design with a commonly used term in the title or the abstract~~ |
| (*b*) ~~Provide in the abstract an informative and balanced summary of what was done and what was found~~ |
| **Introduction** | | |
| Background/rationale | 2 | ~~Explain the scientific background and rationale for the investigation being reported~~ |
| Objectives | 3 | ~~State specific objectives, including any prespecified hypotheses~~ |
| **Methods** | | |
| Study design | 4 | ~~Present key elements of study design early in the paper~~ |
| Setting | 5 | ~~Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection~~ |
| Participants | 6 | *~~Cross-sectional study~~*~~—Give the eligibility criteria, and the sources and methods of selection of participants~~ |
| Variables | 7 | ~~Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable~~ |
| Data sources/ measurement | 8\* | ~~For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group~~ |
| Bias | 9 | ~~Describe any efforts to address potential sources of bias~~ |
| Study size | 10 | ~~Explain how the study size was arrived at~~ |
| Quantitative variables | 11 | ~~Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why~~ |
| Statistical methods | 12 | ~~(~~*~~a~~*~~) Describe all statistical methods, including those used to control for confounding~~ |
| ~~(~~*~~b~~*~~) Describe any methods used to examine subgroups and interactions~~ |
| ~~(~~*~~c~~*~~) Explain how missing data were addressed~~ |
| ~~(~~*~~d~~*~~)~~*~~Cross-sectional study~~*~~—If applicable, describe analytical methods taking account of sampling strategy~~ |
| (*e*) Describe any sensitivity analyses |

| **Results** | | |
| --- | --- | --- |
| Participants | 13\* | (a) ~~Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed~~ |
| (b) Give reasons for non-participation at each stage |
| (c) Consider use of a flow diagram |
| Descriptive data | 14\* | ~~(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders~~ |
| (b) Indicate number of participants with missing data for each variable of interest |
| Outcome data | 15\* | *~~Cross-sectional study—~~*~~Report numbers of outcome events or summary measures~~ |
| Main results | 16 | ~~(~~*~~a~~*~~) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included~~ |
| ~~(~~*~~b~~*~~) Report category boundaries when continuous variables were categorized~~ |
| (*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period |
| Other analyses | 17 | ~~Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses~~ |
| **Discussion** | | |
| Key results | 18 | ~~Summarise key results with reference to study objectives~~ |
| Limitations | 19 | ~~Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias~~ |
| Interpretation | 20 | ~~Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence~~ |
| Generalisability | 21 | ~~Discuss the generalisability (external validity) of the study results~~ |
| **Other information** | | |
| Funding | 22 | ~~Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based~~ |

**S2 Table. The stringency level of COVID-19 policy measures.** Descriptions quoted from OxCGRT codebook accessed at https://github.com/OxCGRT/covid-policy-tracker/blob/master/documentation/codebook.md

| Policy | Description of stringency level |
| --- | --- |
| Workplace closing | 0 - no measures |
| 1 - recommend closing (or recommend work from home) or all businesses open with alterations resulting in significant differences compared to non-Covid-19 operation |
| 2 - require closing (or work from home) for some sectors or categories of workers |
| 3 - require closing (or work from home) for all-but-essential workplaces (eg grocery stores, doctors) |
| Cancel events | 0 - no measures |
| 1 - recommend cancelling public events |
| 2 - require cancelling public events |
| gatherings restrictions | 0 - no restrictions |
| 1 - restrictions on very large gatherings (the limit is above 1000 people) |
| 2 - restrictions on gatherings between 101-1000 people |
| 3 - restrictions on gatherings between 11-100 people |
| 4 - restrictions on gatherings of 10 people or less |
| transport closing | 0 - no measures |
| 1 - recommend closing (or significantly reduce volume/route/means of transport available) |
| 2 - require closing (or prohibit most citizens from using it) |
| stay home restrictions | 0 - no measures |
| 1 - recommend not leaving house |
| 2 - require not leaving house with exceptions for daily exercise, grocery shopping, and 'essential' trips |
| 3 - require not leaving house with minimal exceptions (eg allowed to leave once a week, or only one person can leave at a time, etc) |
| internal movement restrictions | 0 - no measures |
| 1 - recommend not to travel between regions/cities |
| 2 - internal movement restrictions in place |
| testing policy | 0 - no testing policy |
| 1 - only those who both (a) have symptoms AND (b) meet specific criteria (eg key workers, admitted to hospital, came into contact with a known case, returned from overseas) |
| 2 - testing of anyone showing Covid-19 symptoms |
| 3 - open public testing (eg "drive through" testing available to asymptomatic people) |
| contact tracing | 0 - no contact tracing |
| 1 - limited contact tracing; not done for all cases |
| 2 - comprehensive contact tracing; done for all identified cases |

**S3 Table. Distribution of respondents’ job area**

| Job area | Percentage |
| --- | --- |
| Agriculture, Forestry, Fishing, and Hunting | 1.77 |
| Arts/Design/Entertainment/Sports/Media | 2.69 |
| College or University | 6.03 |
| Community/Social Services | 1.92 |
| Construction | 3.75 |
| Finance | 3.92 |
| Government or Public Policy | 8.22 |
| Health Care | 10.96 |
| Hospitality | 1.36 |
| Insurance | 2.24 |
| K-12 Education | 9.93 |
| Law | 3.30 |
| Manufacturing | 6.10 |
| Mining, Quarrying, Oil, and Gas Extract | 0.79 |
| Other | 13.43 |
| Professional Services | 4.12 |
| Real Estate | 1.98 |
| Retail | 3.70 |
| Technological/Information Systems/Computers | 6.69 |
| Training or Library | 0.66 |
| Transportation | 3.46 |
| Utilities | 1.88 |
| Warehousing/Logistics | 1.10 |

**S4 Table: The partial correlations between SWB variables and COVID-19 policy measures for Democrats and Republicans**

| **Democrats** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ladder | Enjoyment | Worry | Sadness | Stress | Anger | Happiness | Boredom | Loneliness | Depression | Anxiety |
| school\_closing | 0.015 | 0.025 \* | -0.011 | -0.004 | -0.022 | -0.036 \*\* | 0.030 \*\* | -0.011 | -0.025 \* | -0.059 | -0.067 \*\*\* |
| workplace\_closing | -0.082 \*\*\* | -0.051 \*\*\* | 0.103 \*\*\* | 0.068 \*\*\* | 0.075 \*\*\* | 0.027 \* | -0.042 | 0.095 \*\*\* | 0.017 | 0.014 | 0.065 |
| cancel\_events | -0.055 \*\*\* | -0.033 \*\* | 0.045 | 0.050 \*\*\* | 0.042 | 0.023 | -0.041 | 0.073 \*\*\* | 0.014 | 0.045 \*\* | 0.047 \*\* |
| gatherings\_restrictions | -0.050 \*\*\* | -0.049 \*\*\* | 0.071 \*\*\* | 0.041 | 0.037 | 0.014 | -0.029 \*\* | 0.023 | 0.039 | 0.050 \*\* | 0.044 \*\* |
| transport\_closing | 0.001 | -0.002 | -0.034 \*\* | -0.016 | -0.006 | 0.003 | -0.011 | -0.011 | 0.005 | -0.025 | -0.025 |
| stay\_home\_restrictions | -0.062 \*\*\* | -0.038 | 0.067 \*\*\* | 0.046 | 0.062 \*\*\* | 0.002 | -0.033 \*\* | 0.096 \*\*\* | -0.001 | -0.024 | 0.034 \* |
| internal\_movement\_restrictions | -0.017 | -0.013 | 0.029 \*\* | 0.014 | 0.014 | -0.002 | -0.006 | 0.036 \*\* | -0.016 | 0.005 | -0.007 |
| testing\_policy | 0.047 \*\*\* | 0.048 \*\*\* | -0.075 \*\*\* | -0.051 \*\*\* | -0.050 \*\*\* | 0.006 | 0.035 \*\* | -0.084 \*\*\* | -0.013 | -0.001 | -0.024 |
| contact\_tracing | 0.02 | 0.008 | 0 | -0.012 | -0.007 | 0.031 \*\* | 0.01 | -0.056 \*\*\* | -0.005 | 0.035 \* | 0.027 |

| **Republicans** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ladder | Enjoyment | Worry | Sadness | Stress | Anger | Happiness | Boredom | Loneliness | Depression | Anxiety |
| school\_closing | 0.012 | -0.029 \* | 0.062 \*\*\* | 0.025 | 0.053 | 0.015 | -0.021 | 0 | 0.024 | 0.034 | 0.049 \*\* |
| workplace\_closing | -0.064 \*\*\* | -0.053 | 0.067 \*\*\* | 0.047 | 0.077 \*\*\* | 0.012 | -0.05 | 0.087 \*\*\* | 0.003 | 0.024 | 0.005 |
| cancel\_events | -0.034 \*\* | -0.022 | 0.006 | 0.022 | 0.026 | 0.01 | -0.021 | 0.083 \*\*\* | -0.026 | -0.031 | -0.006 |
| gatherings\_restrictions | -0.021 | -0.019 | 0.024 | 0.025 | 0.045 | -0.013 | -0.007 | 0.060 \*\*\* | -0.038 \*\* | -0.017 | -0.003 |
| transport\_closing | 0.004 | 0.001 | -0.008 | 0.035 \*\* | 0.011 | 0.030 \* | 0.004 | -0.004 | 0.02 | -0.026 | -0.017 |
| stay\_home\_restrictions | -0.045 | -0.036 \*\* | 0.016 | 0.029 \* | 0.032 \* | 0.01 | -0.022 | 0.080 \*\*\* | 0.011 | -0.038 | -0.012 |
| internal\_movement\_restrictions | -0.048 | -0.044 | 0.030 \* | 0.034 \*\* | 0.058 \*\*\* | 0.018 | -0.028 \* | 0.041 \*\* | 0.012 | -0.036 | -0.004 |
| testing\_policy | 0.080 \*\*\* | 0.045 | -0.066 \*\*\* | -0.028 \* | -0.070 \*\*\* | -0.001 | 0.025 | -0.080 \*\*\* | -0.009 | 0.027 | 0.014 |
| contact\_tracing | 0.039 \*\* | 0.038 \*\* | -0.007 | -0.028 \* | -0.026 | 0.002 | 0.024 | -0.058 \*\*\* | 0.005 | 0.027 | 0.017 |

**S5 Table: The partial correlations between SWB variables and COVID-19 policy measures for low-income, middle-income, and high-income groups**

| Low-income | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ladder | Enjoyment | Worry | Sadness | Stress | Anger | Happiness | Boredom | Loneliness | Depression | Anxiety |
| school\_closing | 0.022 | 0.051 | 0.067 | 0.044 | 0.06 | -0.015 | 0.029 | 0.04 | 0.012 | 0.071 | 0.091 |
| workplace\_closing | 0.005 | 0.031 | -0.029 | -0.001 | -0.031 | 0.042 | -0.006 | 0.062 | -0.146 | 0.053 | -0.06 |
| cancel\_events | 0.006 | 0.019 | -0.065 | 0.035 | -0.021 | 0.009 | -0.077 \* | 0.111 \*\* | -0.098 \*\* | -0.013 | 0.037 |
| gatherings\_restrictions | 0.034 | 0.004 | -0.035 | 0.059 | -0.025 | -0.015 | -0.008 | 0.051 | -0.032 | 0.005 | -0.002 |
| transport\_closing | -0.018 | 0.003 | 0.001 | 0.044 | -0.045 | 0.049 | -0.041 | -0.082 \* | -0.021 | 0.01 | -0.136 \*\* |
| stay\_home\_restrictions | -0.015 | 0.022 | -0.018 | 0.006 | -0.007 | 0.029 | -0.027 | 0.053 | -0.136 | -0.133 \*\* | -0.144 \*\* |
| internal\_movement\_restrictions | -0.093 \*\* | -0.01 | 0.002 | 0.028 | 0.007 | 0.016 | -0.049 | 0.029 | -0.014 | 0.109 \* | 0.031 |
| testing\_policy | 0.043 | -0.027 | -0.015 | -0.027 | 0.012 | 0.026 | 0 | -0.05 | 0.069 | 0.03 | -0.048 |
| contact\_tracing | 0.102 \*\* | -0.04 | 0.068 | -0.021 | 0.066 | 0.051 | -0.022 | -0.117 | 0.038 | 0.044 | 0.105 |

| Middle-income | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ladder | Enjoyment | Worry | Sadness | Stress | Anger | Happiness | Boredom | Loneliness | Depression | Anxiety |
| school\_closing | 0.038 \* | 0.004 | 0.001 | -0.045 \*\* | 0.011 | -0.044 \*\* | 0.02 | 0.001 | -0.034 \* | -0.04 | -0.016 |
| workplace\_closing | -0.067 \*\*\* | -0.062 | 0.071 \*\*\* | 0.078 \*\*\* | 0.049 \*\* | -0.009 | -0.058 | 0.100 \*\*\* | 0.018 | 0.014 | 0.056 \* |
| cancel\_events | -0.050 \*\* | -0.045 \*\* | 0.061 | 0.051 \*\* | 0.032 | 0.02 | -0.053 \*\* | 0.079 \*\*\* | 0.017 | 0.041 | 0.045 |
| gatherings\_restrictions | -0.024 | -0.047 \*\* | 0.036 \* | 0.023 | 0.045 \*\* | -0.013 | -0.032 | 0.050 \*\* | 0 | 0.023 | 0.051 \* |
| transport\_closing | 0.012 | 0.012 | -0.033 | 0.003 | -0.005 | 0.008 | 0.01 | 0.024 | -0.012 | -0.046 | 0.006 |
| stay\_home\_restrictions | -0.083 \*\*\* | -0.061 | 0.03 | 0.071 \*\*\* | 0.035 \* | 0.005 | -0.038 \* | 0.113 \*\*\* | 0.015 | 0 | 0.023 |
| internal\_movement\_restrictions | -0.042 \*\* | -0.058 | 0.014 | 0.038 \* | 0.018 | 0.017 | -0.048 \*\* | 0.004 | -0.003 | -0.050 \* | -0.037 |
| testing\_policy | 0.061 | 0.053 \*\* | -0.062 | -0.057 | -0.053 \*\* | 0.017 | 0.03 | -0.069 \*\*\* | -0.007 | 0.007 | -0.047 |
| contact\_tracing | 0.031 | 0.041 \*\* | -0.011 | -0.050 \*\* | -0.028 | 0.025 | 0.046 \*\* | -0.036 \* | 0.02 | 0.024 | -0.029 |

| High-income | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ladder | Enjoyment | Worry | Sadness | Stress | Anger | Happiness | Boredom | Loneliness | Depression | Anxiety |
| school\_closing | 0 | -0.011 | 0.035 | 0.031 \*\* | 0.018 | 0.005 | -0.006 | -0.011 | 0.015 | 0.002 | 0 |
| workplace\_closing | -0.115 \*\*\* | -0.064 \*\*\* | 0.112 \*\*\* | 0.075 \*\*\* | 0.101 \*\*\* | 0.045 \*\*\* | -0.058 \*\*\* | 0.091 \*\*\* | 0.035 | 0.029 | 0.054 |
| cancel\_events | -0.061 \*\*\* | -0.027 \*\* | 0.023 \* | 0.036 | 0.041 | 0.019 | -0.022 \* | 0.076 \*\*\* | 0.002 | 0.009 | 0.012 |
| gatherings\_restrictions | -0.070 \*\*\* | -0.036 | 0.063 \*\*\* | 0.046 \*\*\* | 0.051 \*\*\* | 0.019 | -0.023 \* | 0.04 | 0.006 | 0.029 | 0.028 |
| transport\_closing | 0.001 | -0.008 | -0.017 | 0.005 | 0.01 | 0.017 | -0.01 | -0.016 | 0.023 \* | -0.02 | -0.014 |
| stay\_home\_restrictions | -0.063 \*\*\* | -0.038 | 0.062 \*\*\* | 0.039 | 0.063 \*\*\* | 0.011 | -0.032 \*\* | 0.083 \*\*\* | 0.021 | -0.028 | 0.026 |
| internal\_movement\_restrictions | -0.034 | -0.019 | 0.044 \*\*\* | 0.026 \* | 0.043 | 0.01 | -0.007 | 0.052 \*\*\* | 0 | -0.011 | 0.006 |
| testing\_policy | 0.076 \*\*\* | 0.055 \*\*\* | -0.085 \*\*\* | -0.044 \*\*\* | -0.070 \*\*\* | -0.011 | 0.04 | -0.093 \*\*\* | -0.027 \*\* | 0.001 | 0.003 |
| contact\_tracing | 0.026 \*\* | 0.022 \* | -0.011 | -0.014 | -0.02 | 0.007 | 0.012 | -0.060 \*\*\* | -0.016 | 0.026 | 0.027 |