Supplementary information

Table S1. An overview of measures and assessment points in the CoLaus|PsyCoLaus and Specchio-COVID19 cohorts

|  |  |  |
| --- | --- | --- |
|  | CoLaus|PsyCoLaus, Lausanne | Specchio-COVID19, Geneva |
| Sample age, years | 35-75 | 45-88 | 18-96 |
| Time of assessment | 2003-06, baseline | 2014-18, follow-up | Feb 2021, start of 3rd wave | Mar 2021 | Apr 2021 | May 2021 | Jun 2021, end of 3rd wave |
| Psychological distress, GHQ12 | X |  |  |  |  |  | X |
| Diagnosed anxiety |  | X |  |  |  |  |  |
| Diagnosed depression |  | X |  |  |  |  |  |
| Anxiety, GAD2 |  |  | X | X | X | X | X |
| Depression, PHQ2 |  |  | X | X | X | X | X |
| Loneliness, UCLA3 |  |  | X | X | X | X | X |

*Note*: GHQ12=12-item General Health Questionnaire, GAD2=2-item General Anxiety Disorder scale, PHQ2=2-item Patient Health Questionnaire, UCLA3=3-item 3-item Revised UCLA Loneliness Scale

Table S2. Sociodemographic statistics for Switzerland and participants who completed the measure of psychological distress (%)

|  |  |  |
| --- | --- | --- |
|  | National statistics | Survey respondents |
| Sex |  |  |
|  Men | 49.2 | 42.8 |
|  Women | 50.8 | 57.2 |
| Age group |  |  |
|  18-24 | 9.1 | 4.6 |
|  25-34 | 16.6 | 9.4 |
|  35-44 | 17.2 | 18.5 |
|  45-54 | 17.7 | 26.0 |
|  55-64 | 16.5 | 20.7 |
|  ≥65 | 22.9 | 20.8 |
| Education levela |  |  |
|  Primary | 13.3 | 3.9 |
|  Secondary | 46.5 | 30.9 |
|  Tertiary | 40.2 | 65.2 |

*Note*: National statistics were from the Swiss Federal Statistical Office

a Statistics were available for adults aged 25 years and above

Table S3. Characteristics of respondents vs. non-respondents to the measure of psychological distress (n (%), unless stated otherwise)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Respondents(N=4636) | Non-respondents (N=1686) | p-value |
| Age (years), mean (SD) | 51.2 (14.7) | 42.9 (13.9) | < 0.001 |
| Sex |  |  | 0.13 |
|  Male | 42.8 (1976) | 45.6 (766) |  |
|  Female | 57.2 (2643) | 54.4 (913) |  |
| Education level |  |  | < 0.001 |
|  Primary | 3.9 (182) | 7 (118) |  |
|  Secondary | 30.9 (1432) | 29.7 (500) |  |
|  Tertiary | 65.1 (3013) | 63.3 (1066) |  |
| Ethnicity |  |  | < 0.001 |
|  White European | 92 (4229) | 85.5 (1417) |  |
|  Other | 8 (370) | 14.5 (240) |  |
| Household incomea |  |  | < 0.001 |
|  Low | 17.7 (668) | 22.6 (283) |  |
|  Mid | 64.9 (2449) | 58.6 (734) |  |
|  High | 17.4 (655) | 18.8 (236) |  |
| Employment status |  |  | < 0.001 |
|  Employed | 56.8 (2634) | 61 (1028) |  |
|  Self-employed | 7.5 (346) | 7.6 (128) |  |
|  Unemployed | 3.1 (145) | 5 (84) |  |
|  Retired | 21.9 (1013) | 7.7 (130) |  |
|  Other economically inactive | 10.7 (497) | 18.7 (316) |  |
| Living circumstances |  |  | < 0.001 |
|  Alone | 14.6 (679) | 8.8 (148) |  |
|  Single parent | 6.1 (281) | 6 (101) |  |
|  Couple with children | 42.7 (1979) | 52.9 (891) |  |
|  Couple without children |  |  |  |
|  With other adults | 36.6 (1697) | 32.3 (545) |  |
| Pre-existing mental health condition |  |  | 0.74 |
|  Yes | 2.3 (107) | 2.5 (42) |  |
|  No | 97.7 (4529) | 97.5 (1644) |  |

a Categorized according to household composition, using information from the Cantonal Office of Statistics of Geneva for 2015-2017: low=below the first quartile of the income distribution, medium=between the first and third quartiles, and high=above the third quartile

Figure S1. Flow chart of the Specchio-COVID19 study on psychological distress

