## Supplementary material

Table S1 Descriptive statistics (\% or mean and standard deviation (SD)) before and after weighting

|  | Raw <br> \%/Mean (SD) | Weighted \%/Mean (SD) |
| :---: | :---: | :---: |
| Age: 18-29 | 6.52\% | 19.47\% |
| Age: 30-45 | 26.15\% | 26.06\% |
| Age: 46-59 | 32.08\% | 24.14\% |
| Age: 60+ | 35.25\% | 30.33\% |
| Women (VS. men) | 74.86\% | 50.68\% |
| Ethnic minority (VS. white) | 3.94\% | 12.78\% |
| Education: low | 12.84\% | 32.58\% |
| Education: medium | 16.73\% | 33.81\% |
| Education: high | 70.43\% | 33.61\% |
| Employed (VS. Not employed) | 62.08\% | 57.34\% |
| Income <30k (VS. $\geq 30 \mathrm{k}$ ) | 38.74\% | 47.68\% |
| Rural (VS. urban) | 24.28\% | 20.58\% |
| Living alone | 21.04\% | 18.98\% |
| Living with children | 24.09\% | 24.36\% |
| Living with others, no child | 54.87\% | 56.66\% |
| Close friends <3 (VS. $\geq 3$ ) | 24.76\% | 30.60\% |
| Loneliness | 4.79 (1.88) | 4.98 (1.99) |
| Mental health diagnosis (VS. none) | 17.24\% | 20.19\% |
| Depression (PHQ-9) | 6.16 (5.56) | 6.85 (6.18) |
| Anxiety (GAD-7) | 4.70 (4.96) | 5.15 (5.44) |
| Coping: problem-focused | 0.09 (0.50) | 0.01 (0.50) |
| Coping: emotion-focused | 0.10 (0.65) | 0.01 (0.66) |
| Coping: avoidant | 0.01 (0.52) | 0.04 (0.55) |
| Coping: socially-supported | 0.13 (0.67) | 0.02 (0.69) |
| Personality: openness to Experience | 0.08 (0.58) | 0.00 (0.58) |
| Personality: conscientiousness | 0.07 (0.69) | -0.01 (0.71) |
| Personality: extraversion | 0.06 (0.70) | 0.00 (0.71) |
| Personality: agreeableness | 0.01 (0.36) | -0.01 (0.37) |
| Personality: neuroticism | -0.05 (0.67) | 0.00 (0.70) |

Table S2 Percentages of people using each strategy by characteristic groups (weighted)

|  | MED ${ }^{1}$ | $\mathrm{MH}^{2}$ | GP ${ }^{3}$ | $\mathrm{HL}^{4}$ | SFC ${ }^{5}$ | FAM ${ }^{6}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age: 18-29 | 21.7\% | 17.9\% | 12.6\% | 14.6\% | 65.3\% | 69.1\% |
| Age: 30-45 | 22.4\% | 10.3\% | 8.8\% | 10.7\% | 53.0\% | 55.5\% |
| Age: 46-59 | 23.8\% | 6.8\% | 7.5\% | 7.3\% | 40.3\% | 41.0\% |
| Age: 60+ | 13.3\% | 2.2\% | 3.2\% | 3.1\% | 22.4\% | 22.5\% |
| Male | 15.9\% | 6.1\% | 6.1\% | 6.4\% | 30.3\% | 33.1\% |
| Female | 23.7\% | 10.7\% | 8.9\% | 10.1\% | 55.4\% | 55.9\% |
| White | 20.4\% | 8.1\% | 7.3\% | 7.5\% | 41.7\% | 43.7\% |
| Ethnic minority | 16.2\% | 11.3\% | 8.7\% | 13.5\% | 52.1\% | 51.1\% |
| Education: low | 22.7\% | 5.9\% | 6.8\% | 5.8\% | 28.3\% | 32.2\% |
| Education: medium | 21.6\% | 9.7\% | 9.6\% | 10.6\% | 43.3\% | 46.5\% |
| Education: high | 15.3\% | 9.8\% | 6.1\% | 8.4\% | 57.0\% | 54.9\% |
| Not employed | 23.4\% | 9.4\% | 9.4\% | 9.3\% | 38.0\% | 38.6\% |
| Employed | 17.2\% | 7.8\% | 6.1\% | 7.6\% | 46.7\% | 49.2\% |
| Income $\geq 30 \mathrm{k}$ | 14.3\% | 7.5\% | 5.7\% | 6.9\% | 45.5\% | 47.0\% |
| Income <30k | 25.9\% | 9.6\% | 9.6\% | 9.9\% | 40.3\% | 42.1\% |
| Urban | 19.9\% | 8.8\% | 7.8\% | 8.7\% | 44.0\% | 46.2\% |
| Rural | 19.6\% | 7.4\% | 6.3\% | 6.7\% | 39.1\% | 38.8\% |
| Living alone | 24.3\% | 10.4\% | 9.0\% | 8.9\% | 41.3\% | 42.4\% |
| Living with children | 21.0\% | 8.4\% | 8.4\% | 9.5\% | 44.9\% | 50.2\% |
| Living with others, no child | 17.9\% | 7.9\% | 6.6\% | 7.6\% | 42.8\% | 43.0\% |
| Close friend <3 | 17.2\% | 7.9\% | 6.8\% | 7.9\% | 44.9\% | 47.5\% |
| Close friend $\geq 3$ | 25.9\% | 9.8\% | 9.2\% | 9.2\% | 38.8\% | 38.2\% |
| Loneliness <6 | 12.9\% | 4.1\% | 3.6\% | 4.0\% | 36.6\% | 38.2\% |
| Loneliness $\geq 6$ | 31.2\% | 15.7\% | 14.0\% | 15.4\% | 53.7\% | 55.3\% |
| No mental health diagnosis | 7.0\% | 3.9\% | 3.6\% | 4.4\% | 37.4\% | 38.3\% |
| Mental health diagnosis | 70.7\% | 26.4\% | 22.9\% | 23.6\% | 65.4\% | 69.8\% |
| PHQ <10 | 11.8\% | 4.3\% | 3.3\% | 4.0\% | 38.1\% | 37.3\% |
| PHQ $\geq 10$ | 40.5\% | 19.1\% | 18.3\% | 19.4\% | 55.7\% | 63.7\% |
| GAD <10 | 14.3\% | 4.9\% | 4.0\% | 4.8\% | 38.8\% | 38.8\% |
| GAD $\geq 10$ | 42.5\% | 23.2\% | 22.0\% | 22.9\% | 60.3\% | 68.6\% |
| Coping: problem-focused (low) ${ }^{\dagger}$ | 19.0\% | 6.9\% | 6.2\% | 6.1\% | 31.0\% | 34.6\% |
| Coping: problem-focused (high) ${ }^{\dagger}$ | 20.8\% | 10.4\% | 9.1\% | 10.9\% | 57.2\% | 56.5\% |
| Coping: emotion-focused (low) ${ }^{\dagger}$ | 19.5\% | 7.6\% | 7.7\% | 7.4\% | 33.6\% | 37.7\% |
| Coping: emotion-focused (high) ${ }^{\dagger}$ | 20.2\% | 9.6\% | 7.3\% | 9.5\% | 55.0\% | 53.5\% |
| Coping: avoidant (low) ${ }^{+}$ | 12.4\% | 4.5\% | 3.7\% | 4.2\% | 35.1\% | 34.5\% |
| Coping: avoidant (high) $\dagger$ | 26.4\% | 12.0\% | 10.9\% | 11.9\% | 50.0\% | 53.6\% |
| Coping: socially-supported (low) ${ }^{\dagger}$ | 16.4\% | 4.1\% | 4.7\% | 4.8\% | 29.0\% | 25.6\% |
| Coping: socially-supported (high) ${ }^{\dagger}$ | 24.4\% | 14.2\% | 11.3\% | 12.9\% | 61.5\% | 69.7\% |
| Personality: openness to Experience (low) ${ }^{\dagger}$ | 19.0\% | 6.9\% | 6.7\% | 6.6\% | 33.9\% | 37.6\% |
| Personality: openness to Experience (high) ${ }^{\dagger}$ | 20.9\% | 10.5\% | 8.5\% | 10.6\% | 54.9\% | 53.9\% |
| Personality: conscientiousness (low) ${ }^{\dagger}$ | 21.3\% | 9.7\% | 8.0\% | 8.8\% | 42.2\% | 44.4\% |
| Personality: conscientiousness (high) ${ }^{\dagger}$ | 18.0\% | 6.9\% | 7.0\% | 7.7\% | 44.0\% | 44.9\% |
| Personality: extraversion (low) $\dagger$ | 23.3\% | 9.3\% | 8.0\% | 8.7\% | 42.1\% | 42.0\% |
| Personality: extraversion (high) ${ }^{+}$ | 16.0\% | 7.5\% | 7.0\% | 7.9\% | 44.1\% | 47.6\% |
| Personality: agreeableness (low) ${ }^{\dagger}$ | 18.6\% | 8.1\% | 7.3\% | 7.3\% | 38.9\% | 39.9\% |
| Personality: agreeableness (high) ${ }^{\dagger}$ | 21.2\% | 8.9\% | 7.8\% | 9.4\% | 47.7\% | 50.1\% |


| Personality: neuroticism (low) ${ }^{\dagger}$ | $10.3 \%$ | $3.5 \%$ | $3.3 \%$ | $3.5 \%$ | $33.3 \%$ | $33.0 \%$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Personality: neuroticism (high) ${ }^{\dagger}$ | $28.3 \%$ | $12.8 \%$ | $11.2 \%$ | $12.5 \%$ | $51.6 \%$ | $55.0 \%$ |

Notes: 1 Taking medication, 2 Speaking to mental health professionals, 3 Speaking to a GP or other health professionals, 4 Using helpline or other online services, 5 Self-care 6 Talking to family or friends; † Variables dichotomised at median.

Table S3 Frequencies of specific mental health conditions included in the alternative mental health diagnoses measure

| Diagnosis | N |
| :--- | ---: |
| Schizophrenia | 21 |
| Bipolar disorder | 148 |
| Manic depression | 48 |
| Obsessive-compulsive disorder | 215 |
| Post-traumatic stress disorder | 512 |
| Eating disorder | 222 |
| Psychosis | 31 |
| Panic disorder | 290 |
| Anxiety | 3,370 |
| Depression | 3,112 |
| Other mental health condition | 514 |
| Total number of conditions | 8,483 |
| Total number of participants | 4,864 |

Table S4 Cross-tabulation of two mental health measures

| Mental health diagnosis <br> (original) | Mental health diagnosis <br> (alternative) |  |  |
| :--- | :--- | :--- | :--- |
|  | No | Yes | Total |
|  | 16,160 | 1,699 | 17,859 |
|  | $90.5 \%$ | $9.5 \%$ | $83.6 \%$ |
| Yes | 344 | 3,165 | 3,509 |
|  | $9.8 \%$ | $90.2 \%$ | $16.4 \%$ |
| Total | 16,504 | 4,864 | 21,368 |
|  | $77.2 \%$ | $22.8 \%$ | $100.0 \%$ |

Table S5. Results from logit model on each strategy to support mental health (using alternative mental health diagnosis measure)

|  | Model I: <br> Medication |  | Model II: Mental health professionals |  | Model III: GP/other health professionals |  | Model IV:Helpline/onlineservices |  | Model V: <br> Self-care/help |  | Model VI: family/friends |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OR | 95\% Cl | OR | 95\% Cl | OR | 95\% CI | OR | 95\% Cl | OR | 95\% Cl | OR | 95\% Cl |
| 30-45 (VS. 18-29) | 2.26 | [1.55,3.30] | 0.76 | [0.53,1.10] | 1.08 | [0.72,1.63] | 1.21 | [0.83,1.75] | 0.83 | [0.63,1.09] | 0.80 | [0.58,1.09] |
| 46-59 (VS. 18-29) | 2.84 | [1.95,4.14] | 0.64 | [0.44,0.91] | 0.97 | [0.65,1.45] | 1.04 | [0.74,1.46] | 0.60 | [0.46,0.78] | 0.54 | [0.40,0.74] |
| 60+ (VS. 18-29) | 2.52 | [1.68,3.77] | 0.31 | [0.20,0.48] | 0.75 | [0.48,1.16] | 0.71 | [0.49,1.03] | 0.31 | [0.23,0.41] | 0.31 | [0.22,0.42] |
| Women (VS. men) | 1.09 | [0.87,1.37] | 0.95 | [0.68,1.31] | 0.88 | [0.65,1.18] | 0.82 | [0.62,1.08] | 1.96 | [1.71,2.26] | 1.41 | [1.22,1.62] |
| Ethnic minority (VS. white) | 0.63 | [0.39,1.00] | 1.18 | [0.69,2.01] | 1.01 | [0.65,1.59] | 1.43 | [0.94,2.18] | 1.14 | [0.82,1.59] | 1.11 | [0.83,1.50] |
| Education medium (VS. low) | 0.80 | [0.64,1.02] | 1.16 | [0.80,1.69] | 1.02 | [0.74,1.40] | 1.45 | [1.05,1.99] | 1.37 | [1.13,1.66] | 1.32 | [1.09,1.61] |
| Education high (VS. low) | 0.78 | [0.62,0.99] | 1.67 | [1.19,2.34] | 0.94 | [0.68,1.29] | 1.56 | [1.15,2.11] | 2.03 | [1.67,2.47] | 1.50 | [1.24,1.82] |
| Employed (VS. Not employed) | 0.78 | [0.63,0.96] | 0.89 | [0.66,1.19] | 0.82 | [0.61,1.11] | 1.06 | [0.81,1.37] | 1.01 | [0.86,1.18] | 1.26 | [1.06,1.49] |
| Income <30k (VS. $\geq 30 \mathrm{k}$ ) | 1.05 | [0.85,1.30] | 0.77 | [0.58,1.02] | 1.08 | [0.80,1.46] | 1.18 | [0.91,1.52] | 1.00 | [0.85,1.17] | 0.99 | [0.84,1.17] |
| Rural (VS. urban) | 1.09 | [0.90,1.32] | 1.13 | [0.84,1.53] | 1.07 | [0.80,1.42] | 0.99 | [0.77,1.27] | 1.03 | [0.90,1.18] | 1.05 | [0.91,1.20] |
| Living with children (VS. alone) | 1.00 | [0.74,1.35] | 0.66 | [0.46,0.95] | 1.14 | [0.78,1.65] | 1.08 | [0.74,1.56] | 0.66 | [0.54,0.82] | 0.64 | [0.52,0.79] |
| Living with others, no child (VS. alone) | 0.85 | [0.68,1.07] | 0.58 | [0.43,0.78] | 0.88 | [0.66,1.18] | 0.91 | [0.69,1.20] | 0.89 | [0.76,1.05] | 0.72 | [0.61,0.85] |
| Close friends <3 (VS. $\geq 3$ ) | 1.26 | [1.03,1.56] | 1.18 | [0.86,1.60] | 0.79 | [0.60,1.04] | 0.97 | [0.71,1.32] | 0.98 | [0.84,1.14] | 0.89 | [0.76,1.06] |
| Loneliness | 1.00 | [0.94,1.07] | 1.17 | [1.08,1.27] | 1.19 | [1.10,1.28] | 1.15 | [1.08,1.24] | 1.09 | [1.04,1.14] | 1.01 | [0.96,1.06] |
| Mental health diagnosis (VS. none) | 23.68 | [18.82,29.81] | 5.99 | [4.50,7.97] | 4.67 | [3.42,6.38] | 3.53 | [2.68,4.64] | 1.78 | [1.50,2.11] | 2.02 | [1.69,2.42] |
| Depression (PHQ-9) | 1.08 | [1.05,1.11] | 1.03 | [1.00,1.07] | 1.03 | [1.00,1.07] | 1.04 | [1.01,1.07] | 1.01 | [0.99,1.03] | 1.04 | [1.01,1.06] |
| Anxiety (GAD-7) | 0.97 | [0.94,1.00] | 1.03 | [0.99,1.07] | 1.05 | [1.02,1.09] | 1.06 | [1.02,1.09] | 1.03 | [1.00,1.05] | 1.05 | [1.02,1.07] |
| Coping: problem-focused | 0.78 | [0.62,0.97] | 0.88 | [0.67,1.16] | 1.13 | [0.87,1.47] | 1.32 | [1.02,1.72] | 1.98 | [1.65,2.39] | 1.10 | [0.92,1.30] |
| Coping: emotion-focused | 1.08 | [0.92,1.27] | 1.16 | [0.93,1.46] | 1.02 | [0.82,1.26] | 1.21 | [0.99,1.48] | 1.49 | [1.31,1.69] | 0.99 | [0.87,1.13] |
| Coping: avoidant | 1.30 | [1.07,1.57] | 1.06 | [0.83,1.36] | 1.30 | [1.04,1.63] | 1.07 | [0.86,1.33] | 0.91 | [0.78,1.05] | 0.95 | [0.80,1.12] |
| Coping: socially-supported | 1.34 | [1.15,1.57] | 2.14 | [1.75,2.60] | 1.66 | [1.37,2.02] | 1.58 | [1.30,1.92] | 1.71 | [1.52,1.92] | 4.18 | [3.66,4.78] |
| Personality: openness to Experience | 0.95 | [0.78,1.17] | 1.02 | [0.81,1.29] | 1.04 | [0.81,1.33] | 0.99 | [0.79,1.24] | 1.65 | [1.43,1.90] | 1.06 | [0.91,1.23] |
| Personality: conscientiousness | 1.05 | [0.89,1.24] | 0.94 | [0.77,1.15] | 1.05 | [0.86,1.28] | 0.86 | [0.72,1.04] | 0.92 | [0.81,1.04] | 0.95 | [0.84,1.08] |
| Personality: extraversion | 0.90 | [0.77,1.05] | 1.05 | [0.84,1.31] | 0.96 | [0.78,1.19] | 1.08 | [0.88,1.32] | 0.92 | [0.83,1.03] | 1.31 | [1.16,1.48] |
| Personality: agreeableness | 1.31 | [0.96, 1.80] | 1.01 | [0.67,1.51] | 1.04 | [0.70,1.55] | 1.54 | [1.03,2.29] | 1.17 | [0.93,1.48] | 1.34 | [1.04,1.71] |
| Personality: neuroticism | 1.07 | [0.90,1.26] | 1.06 | [0.84,1.34] | 1.10 | [0.89,1.36] | 0.96 | [0.77,1.20] | 1.08 | [0.95,1.22] | 1.17 | [1.03,1.33] |

Table S6. Results from logit model on each strategy to support mental health (no pre-existing mental health condition, $\mathrm{N}=22,113$ )

|  | Model I: <br> Medication |  | Model II: Mental health professionals |  | Model III: GP/other health professionals |  | Model IV: Helpline/online services |  | Model V: <br> Self-care/help |  | Model VI: <br> family/friends |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OR | 95\% Cl | OR | 95\% Cl | OR | 95\% Cl | OR | 95\% Cl | OR | 95\% Cl | OR | 95\% Cl |
| 30-45 (VS. 18-29) | 1.49 | [0.95,2.33] | 0.91 | [0.63,1.33] | 0.88 | [0.51,1.52] | 1.07 | [0.69,1.65] | 0.82 | [0.64,1.05] | 0.80 | [0.61,1.06] |
| 46-59 (VS. 18-29) | 1.89 | [1.21,2.96] | 0.77 | [0.48,1.22] | 0.63 | [0.32,1.26] | 0.85 | [0.58,1.24] | 0.66 | [0.51,0.85] | 0.53 | [0.40,0.70] |
| 60+ (VS. 18-29) | 1.50 | [0.93,2.42] | 0.48 | [0.23,1.02] | 0.65 | [0.30,1.42] | 0.76 | [0.49,1.15] | 0.34 | [0.26,0.45] | 0.32 | [0.24,0.43] |
| Women (VS. men) | 1.00 | [0.79,1.28] | 0.97 | [0.68,1.39] | 0.72 | [0.47,1.10] | 0.97 | [0.71,1.34] | 2.08 | [1.81,2.39] | 1.43 | [1.24,1.65] |
| Ethnic minority (VS. white) | 0.81 | [0.52,1.29] | 1.48 | [0.93,2.37] | 1.49 | [0.69,3.19] | 1.77 | [1.08,2.92] | 1.06 | [0.80,1.42] | 0.92 | [0.70,1.21] |
| Education medium (VS. low) | 0.76 | [0.58,1.00] | 1.18 | [0.64,2.19] | 1.39 | [0.84,2.32] | 1.73 | [1.01,2.95] | 1.32 | [1.07,1.62] | 1.28 | [1.04,1.59] |
| Education high (VS. low) | 0.66 | [0.51,0.87] | 1.62 | [0.96,2.72] | 0.84 | [0.54,1.30] | 1.37 | [0.78,2.39] | 2.06 | [1.67,2.54] | 1.48 | [1.19,1.82] |
| Employed (VS. Not employed) | 1.05 | [0.83,1.34] | 1.14 | [0.79,1.66] | 0.99 | [0.60,1.63] | 1.27 | [0.92,1.76] | 1.07 | [0.90,1.26] | 1.18 | [0.99,1.40] |
| Income <30k (VS. $\geq 30 \mathrm{k}$ ) | 1.61 | [1.28,2.04] | 1.04 | [0.75,1.46] | 1.36 | [0.80,2.32] | 1.06 | [0.77,1.45] | 0.97 | [0.83,1.13] | 0.93 | [0.79,1.10] |
| Rural (VS. urban) | 1.24 | [1.00,1.53] | 1.13 | [0.78,1.66] | 0.97 | [0.65,1.46] | 0.83 | [0.61,1.13] | 0.99 | [0.87,1.13] | 0.92 | [0.80,1.06] |
| Living with children (VS. alone) | 0.99 | [0.71,1.40] | 0.63 | [0.41,0.98] | 1.12 | [0.66,1.91] | 0.95 | [0.63,1.44] | 0.67 | [0.55,0.82] | 0.75 | [0.61,0.92] |
| Living with others, no child (VS. alone) | 1.14 | [0.88,1.47] | 0.82 | [0.56,1.19] | 1.10 | [0.77,1.58] | 1.01 | [0.70,1.47] | 0.92 | [0.78,1.08] | 0.73 | [0.62,0.86] |
| Close friends <3 (VS. $\geq 3$ ) | 1.09 | [0.86,1.39] | 0.98 | [0.62,1.54] | 1.27 | [0.72,2.23] | 1.29 | [0.85,1.94] | 0.95 | [0.81,1.12] | 0.92 | [0.77,1.09] |
| Loneliness | 1.08 | [1.00,1.16] | 1.30 | [1.18,1.44] | 1.20 | [1.09,1.31] | 1.21 | [1.10,1.34] | 1.09 | [1.05,1.14] | 1.05 | [1.00,1.10] |
| Mental health diagnosis (VS. none) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Depression (PHQ-9) | 1.07 | [1.04,1.10] | 1.04 | [1.00,1.09] | 1.03 | [0.99,1.07] | 1.03 | [0.99,1.07] | 1.00 | [0.98,1.03] | 1.04 | [1.02,1.07] |
| Anxiety (GAD-7) | 1.00 | [0.97,1.04] | 1.01 | [0.96,1.06] | 1.06 | [1.02,1.11] | 1.04 | [1.00,1.08] | 1.03 | [1.01,1.06] | 1.04 | [1.02,1.07] |
| Coping: problem-focused | 0.86 | [0.64,1.17] | 0.77 | [0.55,1.08] | 1.42 | [1.03,1.95] | 1.36 | [0.98,1.89] | 1.91 | [1.59,2.29] | 1.22 | [1.03,1.45] |
| Coping: emotion-focused | 1.19 | [0.98,1.46] | 1.06 | [0.79,1.40] | 0.81 | [0.62,1.06] | 0.93 | [0.66,1.30] | 1.35 | [1.20,1.53] | 0.96 | [0.84,1.09] |
| Coping: avoidant | 1.27 | [1.03,1.57] | 1.10 | [0.75,1.61] | 1.07 | [0.70,1.63] | 1.06 | [0.81,1.39] | 0.80 | [0.69,0.93] | 0.89 | [0.75,1.05] |
| Coping: socially-supported | 1.39 | [1.14,1.68] | 2.89 | [2.33,3.59] | 1.78 | [1.29,2.45] | 1.95 | [1.55,2.45] | 1.84 | [1.64,2.06] | 3.90 | [3.43,4.44] |
| Personality: openness to Experience | 0.92 | [0.75,1.14] | 1.35 | [1.01,1.81] | 1.01 | [0.72,1.41] | 1.18 | [0.88,1.59] | 1.75 | [1.52,2.02] | 1.16 | [1.00,1.35] |
| Personality: conscientiousness | 0.98 | [0.80,1.20] | 1.03 | [0.81,1.31] | 1.38 | [0.92,2.06] | 0.99 | [0.80,1.23] | 0.90 | [0.79,1.02] | 0.95 | [0.83,1.08] |
| Personality: extraversion | 1.00 | [0.84,1.18] | 1.08 | [0.81,1.44] | 1.28 | [0.91,1.81] | 1.03 | [0.80,1.33] | 0.84 | [0.75,0.94] | 1.33 | [1.18,1.50] |
| Personality: agreeableness | 1.33 | [0.88,2.03] | 0.88 | [0.51,1.49] | 0.50 | [0.27,0.95] | 1.49 | [0.93,2.38] | 1.20 | [0.96,1.50] | 1.30 | [1.02,1.67] |
| Personality: neuroticism | 1.36 | [1.12,1.64] | 1.42 | [1.01,1.99] | 1.42 | [1.02,1.97] | 1.39 | [1.02,1.87] | 1.03 | [0.92,1.16] | 1.21 | [1.06,1.37] |

Table S7. Results from logit model on each strategy to support mental health (with pre-existing mental health condition, $\mathrm{N}=4,607$ )

|  | Model I: Medication |  | Model II: Mental health professionals |  | Model III: GP/other health professionals |  | Model IV: <br> Helpline/online services |  | Model V: <br> Self-care/help |  | Model VI: family/friends |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OR | 95\% CI | OR | 95\% CI | OR | 95\% Cl | OR | 95\% Cl | OR | 95\% Cl | OR | 95\% Cl |
| 30-45 (VS. 18-29) | 1.89 | [1.31,2.73] | 0.67 | [0.45,1.00] | 1.14 | [0.75,1.74] | 1.18 | [0.78,1.80] | 0.87 | [0.58,1.31] | 0.85 | [0.54,1.33] |
| 46-59 (VS. 18-29) | 3.12 | [2.10,4.64] | 0.55 | [0.36,0.83] | 1.44 | [0.93,2.22] | 1.15 | [0.76,1.73] | 0.53 | [0.35,0.79] | 0.82 | [0.53,1.28] |
| 60+ (VS. 18-29) | 3.45 | [2.17,5.49] | 0.23 | [0.14,0.38] | 0.66 | [0.40,1.09] | 0.71 | [0.44,1.15] | 0.34 | [0.22,0.54] | 0.44 | [0.27,0.70] |
| Women (VS. men) | 1.12 | [0.81,1.56] | 0.87 | [0.59,1.29] | 0.93 | [0.64,1.35] | 0.73 | [0.51,1.04] | 1.80 | [1.35,2.40] | 1.07 | [0.80,1.44] |
| Ethnic minority (VS. white) | 0.58 | [0.35,0.99] | 0.93 | [0.50,1.72] | 0.82 | [0.44,1.54] | 1.62 | [0.96,2.75] | 0.81 | [0.46,1.42] | 1.14 | [0.61,2.12] |
| Education medium (VS. low) | 0.82 | [0.55,1.21] | 1.04 | [0.68,1.59] | 0.99 | [0.67,1.45] | 1.24 | [0.85,1.81] | 1.27 | [0.93,1.74] | 1.23 | [0.86,1.77] |
| Education high (VS. low) | 0.87 | [0.59,1.28] | 1.29 | [0.87,1.93] | 1.05 | [0.71,1.54] | 1.48 | [1.02,2.13] | 1.76 | [1.27,2.43] | 1.31 | [0.92,1.88] |
| Employed (VS. Not employed) | 0.71 | [0.53,0.96] | 0.75 | [0.55,1.03] | 0.72 | [0.52,0.99] | 0.79 | [0.58,1.08] | 1.11 | [0.82,1.51] | 1.16 | [0.87,1.56] |
| Income <30k (VS. $\geq 30 \mathrm{k}$ ) | 0.86 | [0.64,1.15] | 0.69 | [0.50,0.96] | 0.87 | [0.62,1.22] | 1.06 | [0.77,1.47] | 0.97 | [0.71,1.32] | 1.00 | [0.74,1.37] |
| Rural (VS. urban) | 0.99 | [0.69,1.42] | 1.30 | [0.90,1.88] | 1.05 | [0.76,1.46] | 1.23 | [0.88,1.71] | 1.05 | [0.78,1.42] | 1.06 | [0.75,1.50] |
| Living with children (VS. alone) | 1.10 | [0.74,1.65] | 0.59 | [0.38,0.90] | 0.79 | [0.51,1.22] | 1.06 | [0.69,1.63] | 0.62 | [0.41,0.93] | 0.52 | [0.34,0.78] |
| Living with others, no child (VS. alone) | 0.84 | [0.60,1.20] | 0.59 | [0.42,0.83] | 0.70 | [0.48,1.02] | 0.93 | [0.64,1.36] | 0.82 | [0.59,1.14] | 0.76 | [0.53,1.08] |
| Close friends <3 (VS. $\geq 3$ ) | 1.04 | [0.77,1.42] | 1.42 | [1.01,1.99] | 0.96 | [0.69,1.34] | 0.85 | [0.62,1.18] | 0.98 | [0.74,1.28] | 0.78 | [0.58,1.05] |
| Loneliness | 1.03 | [0.95,1.12] | 1.08 | [0.99,1.18] | 1.07 | [0.98,1.16] | 1.11 | [1.03,1.21] | 1.07 | [0.99,1.15] | 0.95 | [0.87,1.03] |
| Mental health diagnosis (VS. none) | -- | -- |  | -- | -- | -- | -- | -- |  | -- | -- | -- |
| Depression (PHQ-9) | 1.03 | [1.00,1.07] | 1.03 | [0.99,1.07] | 1.02 | [0.99,1.06] | 1.03 | [0.99,1.07] | 0.98 | [0.95,1.01] | 1.01 | [0.98,1.05] |
| Anxiety (GAD-7) | 0.98 | [0.94,1.01] | 1.02 | [0.98,1.07] | 1.08 | [1.04,1.12] | 1.05 | [1.01,1.09] | 1.02 | [0.98,1.06] | 1.05 | [1.01,1.09] |
| Coping: problem-focused | 0.76 | [0.55,1.06] | 0.93 | [0.66,1.32] | 0.94 | [0.67,1.32] | 1.04 | [0.73,1.47] | 1.39 | [1.02,1.89] | 0.79 | [0.57,1.10] |
| Coping: emotion-focused | 1.03 | [0.81,1.32] | 1.07 | [0.81,1.42] | 1.03 | [0.79,1.32] | 1.38 | [1.04,1.84] | 2.03 | [1.60,2.58] | 1.18 | [0.93,1.52] |
| Coping: avoidant | 1.52 | [1.18,1.97] | 1.09 | [0.82,1.45] | 1.32 | [1.02,1.72] | 1.26 | [0.97,1.63] | 1.41 | [1.11,1.80] | 1.05 | [0.81,1.38] |
| Coping: socially-supported | 1.20 | [0.96,1.50] | 2.14 | [1.68,2.75] | 1.59 | [1.25,2.02] | 1.52 | [1.19,1.93] | 1.43 | [1.14,1.80] | 5.85 | [4.50,7.60] |
| Personality: openness to Experience | 0.86 | [0.68,1.10] | 0.88 | [0.67,1.14] | 0.85 | [0.65,1.11] | 0.83 | [0.65,1.07] | 1.89 | [1.49,2.40] | 1.03 | [0.80,1.33] |
| Personality: conscientiousness | 1.10 | [0.87,1.38] | 0.84 | [0.67,1.06] | 0.94 | [0.75,1.17] | 0.92 | [0.73,1.15] | 0.90 | [0.73,1.11] | 0.86 | [0.69,1.08] |
| Personality: extraversion | 1.00 | [0.80,1.26] | 1.16 | [0.92,1.46] | 1.17 | [0.93,1.47] | 1.24 | [1.00,1.53] | 1.03 | [0.83,1.28] | 1.52 | [1.20,1.92] |
| Personality: agreeableness | 1.30 | [0.84,2.02] | 1.26 | [0.79,2.02] | 1.14 | [0.73,1.79] | 1.39 | [0.87,2.21] | 1.23 | [0.80,1.90] | 1.37 | [0.89,2.12] |
| Personality: neuroticism | 0.75 | [0.58,0.97] | 1.08 | [0.79,1.47] | 0.90 | [0.69,1.17] | 1.15 | [0.89,1.48] | 1.22 | [0.95,1.56] | 1.22 | [0.95,1.56] |

