|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Appendix Table 1. Health system characteristics** | | | | | | | | |
|  | | | | | | | | |
| **Country** |  | **Country- level financial coverage** |  | **Human resources for mental healtha** |  | **N with MDD** |  | **(% insured)** |
| Brazil |  | MH is covered |  | There are 317.45 MH workers per 100,000 people, of which 3.16 are psychiatrists |  | 489 |  | (100) |
| Columbia |  | MH is covered |  | There are 1.84 MH workers per 100,000 people, of which 1.84 are psychiatrists |  | 241 |  | (69) |
| *Medellin* |  |  |  |  |  | 151 |  | (92) |
| Lebanon |  | MH is partially covered, but people pay at least 20% out of pocket |  | There are 23.0 MH workers per 100,000 people, of which 1.21 are psychiatrists |  | 126 |  | (b) |
| Mexico |  | MH is partially covered, but people pay at least 20% out of pocket |  | There are 4.40 MH workers per 100,000 people, of which 0.21 are psychiatrists |  | 231 |  | (19) |
| Nigeria |  | MH is not covered so people pay mostly or entirely out of pocket |  | The number of MH workers and psychiatrists: None or not reported |  | 72 |  | (8) |
| Romania |  | MH is covered |  | There are 26.92 MH workers per 100,000 people, of which 5.66 are psychiatrists |  | 40 |  | (63) |
| Argentina |  | MH is covered |  | There are 247.4 MH workers per 100,000 people, of which 17.0 are psychiatrists |  | 170 |  | (74) |
| Belgium |  | MH is covered |  | There are 173.65 MH workers per 100,000 people, of which 20.06 are psychiatrists |  | 89 |  | (100) |
| France |  | MH is covered |  | There are 173.63 MH workers per 100,000 people, of which 20.91 are psychiatrists |  | 135 |  | (100) |
| Germany |  | MH is covered |  | There are 144.87 MH workers per 100,000 people, of which 13.20 are psychiatrists |  | 89 |  | (100) |
| Italy |  | MH is covered |  | There are 55.72 MH workers per 100,000 people, of which 5.98 are psychiatrists |  | 108 |  | (100) |
| Netherlands |  | MH is covered |  | There are 180.83 MH workers per 100,000 people, of which 20.10 are psychiatrists |  | 104 |  | (100) |
| Portugal |  | MH is covered |  | There are 23 MH workers per 100,000 people, of which 5 are psychiatrists |  | 290 |  | (100) |
| Spain |  | MH is covered |  | There are 15.43 MH workers per 100,000 people, of which 9.69 are psychiatrists |  | 204 |  | (100) |
| *Murcia* |  |  |  |  |  | 154 |  | (100) |
| United States |  | MH is partially covered, but people pay at least 20% out of pocket |  | There are 271.28 MH workers per 100,000 people, of which 10.54 are psychiatrists |  | 646 |  | (84) |
|  |  |  |  |  |  |  |  |  |

Abbreviations. MDD, major depressive disorder; MH, mental health.

aWorld Mental Health Atlas (https://www.who.int/mental\_health/evidence/atlas/profiles-2017/en/).

Netherlands: https://www.who.int/mental\_health/evidence/atlas/profiles-2014/nld.pdf?ua=1 (2017 unavailable).

Portugal: https://www.who.int/mental\_health/evidence/atlas/profiles-2014/prt.pdf?ua=1 (2017 unavailable).

bLebanon had a large % of people with unknown status for insurance, all insurance dummies were coded to unknown.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Appendix Table 2. Coverage for major depressive disorder by severity and country income level with interaction effects with survey year** | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | |
| **Coverage Type** | | |  | **Severe** | |  | **Mild/ Moderate** | |  | **Interaction between continuous survey year and severity** | |  | **HICs** | |  | **LMICs** | |  | **Interaction between continuous survey year and country-income level** | |
| **Numerator** |  | **Denominator** |  | **%** | **(SE)** |  | **%** | **(SE)** |  | **F** | **(p- value)** |  | **%** | **(SE)** |  | **%** | **(SE)** |  | **F** | **(p-value)** |
| Contact coverage |  | People with 12-month MDD |  | 46.2 | (1.4) |  | 34.5 | (1.7) |  | 0.04 | (.84) |  | 52.0 | (1.5) |  | 26.5 | (1.3) |  | 3.05 | (.08) |
| Any psychotropic medication |  | People with contact coverage |  | 71.8 | (2.0) |  | 62.7 | (3.3) |  | 0.74 | (.39) |  | 72.9 | (2.2) |  | 57.4 | (2.9) |  | 0.02 | (.89) |
| Antidepressants |  |  | 47.6 | (2.3) |  | 39.8 | (3.2) |  | 0.07 | (.79) |  | 48.6 | (2.2) |  | 35.0 | (3.6) |  | 0.28 | (.60) |
| Adequate medication control |  |  | 42.8 | (2.3) |  | 28.2 | (3.0) |  | 5.57 | (.018)\* |  | 39.1 | (2.0) |  | 35.8 | (3.4) |  | 7.98 | (.005)\* |
| Adequate pharmacotherapy |  |  | 29.5 | (2.1) |  | 19.5 | (2.6) |  | 4.50 | (.034)\* |  | 27.6 | (1.7) |  | 22.3 | (3.3) |  | 5.81 | (.016)\* |
| Any psychotherapy |  |  | 40.5 | (2.1) |  | 35.4 | (3.2) |  | 3.06 | (.08) |  | 38.8 | (1.7) |  | 39.2 | (3.6) |  | 2.19 | (.14) |
| Adequate psychotherapy |  |  | 34.1 | (2.1) |  | 28.6 | (3.2) |  | 2.75 | (.10) |  | 33.2 | (1.7) |  | 30.2 | (3.4) |  | 0.86 | (.35) |
| Adequate combination |  |  | 17.9 | (1.8) |  | 34.8 | (3.3) |  | 2.32 | (.13) |  | 23.6 | (1.7) |  | 21.7 | (3.2) |  | 0.89 | (.35) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Abbreviations: MDD, major depressive disorder; HICs, high-income countries; LMICs, low- or middle-income countries; SE, standard error.

\*Significant at the .05 level, two-sided test.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Appendix Table 3. Distributions of sociodemographic variables in our sample by country income level** | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
|  | **Denominator N  (N with 12-month MDD)** | **Numerator N  (N with row category)** | **%** | **(SE)** |  | **Denominator N  (N with 12-month MDD)** | **Numerator N  (N with row category)** | **%** | **(SE)** |  | **Denominator N  (N with 12-month MDD)** | **Numerator N  (N with row category)** | **%** | **(SE)** |  | **F** | **(p- value)** |
| **Gender** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Male | 1991 | 547 | 31.3 | (1.3) |  | 1350 | 331 | 29.1 | (1.8) |  | 3341 | 878 | 30.4 | (1.1) |  | 0.89 | (.34) |
| Female | 1991 | 1444 | 68.7 | (1.3) |  | 1350 | 1019 | 70.9 | (1.8) |  | 3341 | 2463 | 69.6 | (1.1) |  |
| **Age Group** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18-29 | 1991 | 421 | 25.5 | (1.4) |  | 1350 | 365 | 33.6 | (1.8) |  | 3341 | 786 | 28.7 | (1.1) |  | 12.53 | (<.001)\* |
| 30-44 | 1991 | 681 | 32.7 | (1.2) |  | 1350 | 498 | 35.7 | (1.8) |  | 3341 | 1179 | 33.9 | (1.0) |  |
| 45-59 | 1991 | 544 | 26.7 | (1.2) |  | 1350 | 347 | 22.8 | (1.3) |  | 3341 | 891 | 25.1 | (0.9) |  |
| 60+ | 1991 | 343 | 15.2 | (1.1) |  | 1350 | 140 | 8.0 | (0.9) |  | 3341 | 483 | 12.3 | (0.7) |  |
| **Marital Status** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Separated, divorced, or widowed | 1991 | 469 | 20.8 | (1.1) |  | 1350 | 293 | 18.4 | (1.2) |  | 3341 | 762 | 19.8 | (0.8) |  | 1.17 | (.31) |
| Never married | 1991 | 456 | 26.1 | (1.5) |  | 1350 | 308 | 27.1 | (1.7) |  | 3341 | 764 | 26.5 | (1.1) |  |
| Married or cohabitating | 1991 | 1065 | 53.1 | (1.5) |  | 1350 | 749 | 54.6 | (1.8) |  | 3341 | 1814 | 53.7 | (1.1) |  |
| **Income** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Low | 1991 | 575 | 30.5 | (1.4) |  | 1350 | 468 | 32.1 | (1.6) |  | 3341 | 1043 | 31.1 | (1.0) |  | 3.37 | (.018)\* |
| Low-Average | 1991 | 498 | 24.7 | (1.2) |  | 1350 | 319 | 23.8 | (1.6) |  | 3341 | 817 | 24.3 | (0.9) |  |
| Average-High | 1991 | 537 | 26.2 | (1.1) |  | 1350 | 261 | 20.8 | (1.6) |  | 3341 | 798 | 24.0 | (0.9) |  |
| High | 1991 | 380 | 18.6 | (1.1) |  | 1350 | 302 | 23.4 | (1.6) |  | 3341 | 682 | 20.5 | (0.9) |  |
| **Education** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Low | 1991 | 464 | 21.6 | (1.1) |  | 1350 | 336 | 19.9 | (1.2) |  | 3341 | 800 | 20.9 | (0.8) |  | 7.30 | (<.001)\* |
| Low-Average | 1991 | 643 | 33.3 | (1.4) |  | 1350 | 366 | 25.3 | (1.6) |  | 3341 | 1009 | 30.1 | (1.1) |  |
| Average-High | 1991 | 485 | 25.5 | (1.3) |  | 1350 | 409 | 34.6 | (1.7) |  | 3341 | 894 | 29.1 | (1.0) |  |
| High | 1991 | 398 | 19.5 | (1.4) |  | 1350 | 239 | 20.3 | (1.4) |  | 3341 | 637 | 19.8 | (1.0) |  |
| **Employment Status** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Homemaker | 1991 | 227 | 9.4 | (0.7) |  | 1350 | 399 | 24.8 | (1.4) |  | 3341 | 626 | 15.6 | (0.8) |  | 30.28 | (<.001)\* |
| Other | 1991 | 348 | 17.5 | (1.1) |  | 1350 | 189 | 14.1 | (1.1) |  | 3341 | 537 | 16.1 | (0.8) |  |
| Retired | 1991 | 259 | 11.9 | (0.9) |  | 1350 | 65 | 4.3 | (0.8) |  | 3341 | 324 | 8.9 | (0.6) |  |
| Student | 1991 | 62 | 4.5 | (0.8) |  | 1350 | 46 | 4.9 | (0.9) |  | 3341 | 108 | 4.7 | (0.6) |  |
| Working | 1991 | 1093 | 56.6 | (1.6) |  | 1350 | 651 | 51.9 | (1.8) |  | 3341 | 1744 | 54.7 | (1.2) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Abbreviations: MDD, major depressive disorder; SE, standard error.

\*Significant at the .05 level, two-sided test.