**Supplementary file 1. Prevalence of specific mental disorder in 2019**

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| **Mental disorders** | **Both sex** | **Male** | **Female** |
|  | **All ages** | **Age standardized** | **All ages** | **Age standardized** | **All ages** | **Age standardized** |
| Major depressiveDisorders | 3430.14(2956.18, 3984.23) | 3795.9(3265.67, 4408.13) | 2630.43(2252.22, 3074.06) | 3019.16(2576.52, 3534.1) | 4158.48(3571.36, 4844.39) | 4465.38(3835.6, 5198.82) |
| Anxiety disorders | 3176.53(2520.42, 4034.94) | 3277.32(2624.16, 4134.75) | 2557.78(2000.03, 3198.12) | 2726.06(2175.66, 3413.44) | 3740.06(2940, 4846.47) | 3757.4(2990.02, 4841.11) |
| Idiopathicdevelopmental intellectualdisability | 2605.51(1705.16, 3516.27) | 2503.69(1635.85, 3380.81) | 2845.31(1858.98, 3858.42) | 2715.02(1770.78, 3684.33) | 2387.12(1564.88, 3210.37) | 2307.85(1510.39, 3106.82) |
| Other mentalDisorders | 1304.19(1008.28, 1672.93) | 1444.53(1119.48, 1845.86) | 1499.12(1137.12, 1928.18) | 1721.79(1308.24, 2200.19) | 1126.66(864.7, 1458.99) | 1210.48(932.86, 1565.35) |
| Dysthymia | 1168.95(901.04, 1500.48) | 1248.27(979.36, 1585.81) | 944.52(722.35, 1213.3) | 1050.31(810.6, 1356.99) | 1373.34(1064.74, 1782.68) | 1416.17(1112.73, 1806.18) |
| Attention-deficithyperactivity disorder | 709.33(495.22, 975.91) | 630.3(441.44, 863.51) | 1050.45(728.26, 1462.91) | 916.43(641.66, 1261.22) | 398.66(274.75, 543.05) | 361.06(249.59, 492.77) |
| Conduct disorder | 574.07(406.77, 769.73) | 483.57(342.68, 642.9) | 804.53(587.73, 1046.22) | 640.56(467.78, 832.62) | 364.18(232.86, 517.1) | 324.11(208.71, 455.92) |
| Bipolar disorder | 372.6(286.13, 476.05) | 383.91(299.72, 482.41) | 378.04(288.36, 482.12) | 401.44(312.27, 504.18) | 367.66(280.27, 470.87) | 369.24(286.43, 465.39) |
| Autism spectrum disorders | 295.24(240.51, 355.47) | 288.59(235.02, 347.58) | 432.13(352.63, 520.28) | 420.99(344.3, 507.99) | 170.58(135.98, 208.11) | 167.48(133.61, 204.15) |
| Schizophrenia | 249.6(197.37, 307.15) | 266.99(212.2, 326.95) | 270.12(213.78, 331.69) | 302.87(240.88, 370.67) | 230.92(181.45, 283.46) | 237.29(188.78, 291.08) |
| Bulimia nervosa | 79.3(52.96, 109.91) | 72.55(48.08, 101.4) | 61.35(39.34, 89.47) | 58.63(37.71, 84.4) | 95.66(63.86, 133.07) | 84.05(56.52, 116.89) |
| Anorexia nervosa | 36.15(24.69, 52.52) | 31.31(21.5, 44.97) | 18.39(12.51, 27.26) | 15.98(11.01, 23.54) | 52.33(35.42, 76.58) | 44.58(30.33, 64.87) |

**Supplementary file 2. DALYs lost due to mental disorders between 1990 and 2019**

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| --- | --- | --- | --- |
|  | **Both sex** | **Male** | **Female** |
| **Year** | **All ages** | **age standardized** | **% of total DALYS** | **All ages** | **age standardized** | **% of total DALYS** | **All ages** | **age standardized** | **% of total DALYS** |
| **1990** | 1421.66(1036.74, 1870.04) | 1739.45(1285.35, 2287.93) | 1.79 (1.34, 2.32) | 1375.63(997.36, 1803.81) | 1665.07(1232.96, 2171.55) | 1.7 (1.26, 2.21) | 1467.92(1068.11, 1944.53) | 1814.42(1329.34, 2396.07) | 1.89 (1.41, 2.44) |
| **1995** | 1414.42(1036.32, 1861.19) | 1720.37(1278.89, 2261.04) | 2.24 (1.65, 2.89) | 1370.19(990.41, 1806.12) | 1649.38(1211.89, 2173.98) | 2.12 (1.56, 2.74) | 1458.8(1063.45, 1929.83) | 1791.28(1320.04, 2350.7) | 2.38 (1.76, 3.04) |
| **2000** | 1502.69(1103.09, 1980.14) | 1807.28(1344.53, 2375.17) | 3.07 (2.32, 3.97) | 1430.49(1039.03, 1871.39) | 1700.54(1248.64, 2221.07) | 2.81 (2.1, 3.63) | 1575.08(1158.01, 2083.93) | 1914.34(1415, 2534.02) | 3.36 (2.55, 4.32) |
| **2005** | 1556.85(1140.29, 2056.8) | 1816.41(1342.39, 2391.03) | 3.9 (2.96, 4.92) | 1461.88(1074.97, 1920.99) | 1694.14(1239.53, 2217.52) | 3.47 (2.63, 4.44) | 1650.06(1203.7, 2166.8) | 1935.43(1417.36, 2542.37) | 4.36 (3.32, 5.48) |
| **2010** | 1636.35(1203.26, 2147.28) | 1846.03(1370.45, 2417.45) | 4.68 (3.62, 5.9) | 1512.26(1115.56, 1995.31) | 1709.91(1260.47, 2253.64) | 4.08 (3.13, 5.17) | 1754.37(1288.29, 2298.86) | 1971.05(1450.49, 2588.47) | 5.33 (4.1, 6.68) |
| **2015** | 1636.44(1199.32, 2160.23) | 1766.57(1310.42, 2337.09) | 4.83 (3.7, 6.1) | 1510.85(1102.57, 2007.79) | 1652.74(1208.28, 2177.99) | 4.12 (3.14, 5.25) | 1752.71(1284.28, 2316.69) | 1864.48(1373.33, 2471.36) | 5.61 (4.32, 7.09) |
| **2019** | 1691.08(1244.47, 2224.51) | 1773.74(1309.23, 2335.08) | 5.53 (4.22, 6.98) | 1545.37(1129.01, 2027.12) | 1653.62(1210.22, 2171.39) | 4.73 (3.58, 6) | 1823.78(1330.85, 2413) | 1873.84(1382.59, 2478.2) | 6.37 (4.89, 7.96) |

**Supplementary file 3. DALYs attributable to specific mental disorders (100,000 population)**

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|  | **Both sex** | **Male** | **Female** |
| **Mental disorders** | **All ages** | **Age standardized** | **All ages** | **Age standardized** | **All ages** | **Age standardized** |
| Major depressive disorder | 687.86(465.55, 953.1) | 754.62(510.96, 1045.8) | 531.59(350.9, 739.48) | 605.29(403.62, 842.67) | 830.19(560.27, 1159.32) | 883.21(598.08, 1228.91) |
| Anxiety disorders | 302.23(199.03, 429.32) | 309.51(205.76, 434.63) | 245.44(162.14, 345.61) | 259.69(172.72, 364.95) | 353.95(230.59, 507.35) | 352.97(229.71, 498.14) |
| Idiopathic developmentalintellectual disability | 103.87(57.01, 168.63) | 99.9(54.97, 162.85) | 114.21(62.07, 186.85) | 109.17(59.37, 178.21) | 94.46(52.36, 152.89) | 91.33(50.67, 147.78) |
| Dysthymia | 112.57(68.7, 171.81) | 119.42(73.76, 182.02) | 91.52(55.91, 143.08) | 101.16(62.77, 158.27) | 131.74(80.36, 201.3) | 134.9(84.27, 206.12) |
| Other mental disorders | 96.49(60.83, 147.36) | 106.04(67.06, 161.37) | 111.75(69.46, 170.82) | 127.5(80.24, 194.79) | 82.59(51.57, 126.36) | 87.96(55.09, 133.03) |
| Attention-deficithyperactivity disorder | 8.65(4.81, 14.81) | 7.68(4.26, 13.15) | 12.83(6.93, 22.26) | 11.18(6.07, 19.1) | 4.84(2.56, 8.35) | 4.38(2.32, 7.55) |
| Conduct disorder | 69.9(38.06, 111.17) | 58.9(32, 93.8) | 98.11(54.23, 153.31) | 78.13(43.3, 122.24) | 44.21(22.59, 73.52) | 39.35(20.21, 65.98) |
| Bipolar disorder | 80.45(46.88, 124.08) | 82.26(48.93, 126.33) | 82.32(47.88, 128.47) | 86.83(51.15, 136.09) | 78.74(45.83, 121.3) | 78.42(46.46, 122.16) |
| Autism spectrum disorders | 45.11(29.51, 66.35) | 43.9(28.65, 64.13) | 66.15(42.58, 97.14) | 64.12(41.51, 94.04) | 25.94(16.5, 37.88) | 25.39(16.08, 37.01) |
| Schizophrenia | 159.38(110.72, 212.83) | 169.46(118.16, 224.01) | 174.32(121.56, 232.96) | 194.55(135.54, 258.39) | 145.78(100.72, 197.67) | 148.73(103.92, 199.7) |
| Bulimia nervosa | 16.81(9.54, 27.04) | 15.34(8.67, 24.4) | 13.14(7.26, 21.37) | 12.53(6.91, 20.21) | 20.15(11.57, 32.09) | 17.67(10, 28.15) |
| Anorexia nervosa | 7.76(4.35, 13.02) | 6.71(3.77, 11.18) | 3.99(2.03, 7.02) | 3.46(1.79, 5.97) | 11.19(6.09, 18.74) | 9.53(5.22, 15.87) |