

## Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.

**eTable 1.** Participating sites of the Mental health research Network from which data were extracted for this study.

| Site (region)                                                         |
|-----------------------------------------------------------------------|
| Palo Alto Medical Foundation Research Institute (Northern California) |
| Harvard Pilgrim Health Care (Massachusetts)                           |
| Henry Ford Health System (Michigan)                                   |
| Essentia Institute of Rural Health (Minnesota)                        |
| HealthPartners (Minnesota)                                            |
| Kaiser Permanente (Colorado)                                          |
| Kaiser Permanente (Georgia)                                           |
| Kaiser Permanente (Hawaii)                                            |
| Kaiser Permanente (Northern California)                               |
| Kaiser Permanente (Southern California)                               |
| Kaiser Permanente (Washington)                                        |
| Kaiser Permanente (Northwest (Oregon/Southwest Washington))           |

**eTable 2.** International Classification of Diseases, Ninth Revision and Tenth Revision Codes used to identify autism within administrative health records at all MHRN sites.

| Revision | Code(s)               | Description                                      |
|----------|-----------------------|--------------------------------------------------|
| ICD-9    | 299.0, 299.00, 299.01 | Autistic disorder                                |
| ICD-9    | 299.1, 299.10, 299.11 | Childhood disintegrative disorder                |
| ICD-9    | 299.8, 299.80, 299.81 | Other specified pervasive developmental disorder |
| ICD-9    | 299.9, 299.90, 299.91 | Unspecified pervasive developmental disorder     |
| ICD-10   | F84.0                 | Autistic disorder                                |
| ICD-10   | F84.3                 | Childhood disintegrative disorder                |
| ICD-10   | F84.5                 | Asperger's syndrome                              |
| ICD-10   | F84.8                 | Other pervasive developmental delay              |
| ICD-10   | F84.9                 | Pervasive developmental disorder, unspecified    |

**eTable 3.** Summary of enrollment information and ASD diagnosis rates for the full study samples within each year from 2011 to 2022.

| <b>Year</b> | <b>Autistic Individuals</b> | <b>Total Enrolled</b> | <b>Diagnosis Rate per 1,000 (95% CI)</b> |
|-------------|-----------------------------|-----------------------|------------------------------------------|
| 2011        | 21768                       | 9443114               | 2.3 (2.3-2.3)                            |
| 2012        | 24521                       | 9834176               | 2.5 (2.5-2.5)                            |
| 2013        | 27880                       | 10094612              | 2.8 (2.7-2.8)                            |
| 2014        | 32084                       | 10446739              | 3.1 (3.0-3.1)                            |
| 2015        | 36517                       | 11089885              | 3.3 (3.3-3.3)                            |
| 2016        | 42163                       | 11622178              | 3.6 (3.6-3.7)                            |
| 2017        | 47867                       | 11967350              | 4.0 (4.0-4.0)                            |
| 2018        | 54205                       | 12358054              | 4.4 (4.3-4.4)                            |
| 2019        | 59351                       | 12288847              | 4.8 (4.8-4.9)                            |
| 2020        | 60758                       | 12510701              | 4.9 (4.8-4.9)                            |
| 2021        | 70188                       | 12401566              | 5.7 (5.6-5.7)                            |
| 2022        | 77683                       | 12264004              | 6.3 (6.3-6.4)                            |

**eTable 4.** Count of autistic individuals and total individuals enrolled at each study site and in each study year from 2011-2022, with ASD diagnosis rate per 1,000 and 95% confidence intervals.

| Site | Year | Autistic Individuals | Total Enrolled | Diagnosis Rate per 1000 (95% CI) |
|------|------|----------------------|----------------|----------------------------------|
| A    | 2011 | 995                  | 524969         | 1.9 (1.8-2.0)                    |
| B    | 2011 | 1247                 | 427277         | 2.9 (2.8-3.1)                    |
| C    | 2011 | 5969                 | 2974018        | 2.0 (2.0-2.1)                    |
| D    | 2011 | 7080                 | 3150488        | 2.2 (2.2-2.3)                    |
| E    | 2011 | 182                  | 194472         | 0.9 (0.8-1.1)                    |
| F    | 2011 | 878                  | 487893         | 1.8 (1.7-1.9)                    |
| G    | 2011 | 1877                 | 598074         | 3.1 (3.0-3.3)                    |
| H    | 2011 | 2357                 | 613150         | 3.8 (3.7-4.0)                    |
| J    | 2011 | 367                  | 219070         | 1.7 (1.5-1.9)                    |
| K    | 2011 | 626                  | 161848         | 3.9 (3.6-4.2)                    |
| L    | 2011 | 190                  | 91855          | 2.1 (1.8-2.4)                    |
| A    | 2012 | 1036                 | 515125         | 2.0 (1.9-2.1)                    |
| B    | 2012 | 1220                 | 429468         | 2.8 (2.7-3.0)                    |
| C    | 2012 | 6745                 | 3042059        | 2.2 (2.2-2.3)                    |
| D    | 2012 | 8153                 | 3244560        | 2.5 (2.5-2.6)                    |
| E    | 2012 | 205                  | 191768         | 1.1 (0.9-1.2)                    |
| F    | 2012 | 1016                 | 491448         | 2.1 (1.9-2.2)                    |
| G    | 2012 | 2168                 | 628432         | 3.4 (3.3-3.6)                    |
| H    | 2012 | 2436                 | 599604         | 4.1 (3.9-4.2)                    |
| I    | 2012 | 5                    | 89039          | 0.1 (0.0-0.1)                    |
| J    | 2012 | 426                  | 214579         | 2.0 (1.8-2.2)                    |
| K    | 2012 | 808                  | 257350         | 3.1 (2.9-3.4)                    |
| L    | 2012 | 303                  | 130744         | 2.3 (2.1-2.6)                    |
| A    | 2013 | 1040                 | 489633         | 2.1 (2.0-2.3)                    |
| B    | 2013 | 1312                 | 430544         | 3.0 (2.9-3.2)                    |
| C    | 2013 | 8088                 | 3077891        | 2.6 (2.6-2.7)                    |
| D    | 2013 | 9016                 | 3310160        | 2.7 (2.7-2.8)                    |
| E    | 2013 | 184                  | 189626         | 1.0 (0.8-1.1)                    |
| F    | 2013 | 1100                 | 492820         | 2.2 (2.1-2.4)                    |
| G    | 2013 | 2012                 | 612810         | 3.3 (3.1-3.4)                    |
| H    | 2013 | 2853                 | 634335         | 4.5 (4.3-4.7)                    |
| I    | 2013 | 58                   | 94532          | 0.6 (0.5-0.8)                    |
| J    | 2013 | 482                  | 218114         | 2.2 (2.0-2.4)                    |
| K    | 2013 | 990                  | 287717         | 3.4 (3.2-3.7)                    |
| L    | 2013 | 745                  | 256430         | 2.9 (2.7-3.1)                    |
| A    | 2014 | 1128                 | 506739         | 2.2 (2.1-2.4)                    |
| B    | 2014 | 1606                 | 448046         | 3.6 (3.4-3.8)                    |
| C    | 2014 | 9988                 | 3193647        | 3.1 (3.1-3.2)                    |
| D    | 2014 | 10114                | 3389966        | 3.0 (2.9-3.0)                    |
| E    | 2014 | 240                  | 201861         | 1.2 (1.0-1.3)                    |
| F    | 2014 | 1248                 | 533070         | 2.3 (2.2-2.5)                    |
| G    | 2014 | 2275                 | 654868         | 3.5 (3.3-3.6)                    |

|   |      |       |         |               |
|---|------|-------|---------|---------------|
| H | 2014 | 2969  | 620151  | 4.8 (4.6-5.0) |
| I | 2014 | 74    | 91282   | 0.8 (0.6-1.0) |
| J | 2014 | 508   | 229034  | 2.2 (2.0-2.4) |
| K | 2014 | 1108  | 294994  | 3.8 (3.5-4.0) |
| L | 2014 | 826   | 283081  | 2.9 (2.7-3.1) |
| A | 2015 | 1216  | 504019  | 2.4 (2.3-2.6) |
| B | 2015 | 1811  | 472028  | 3.8 (3.7-4.0) |
| C | 2015 | 11610 | 3410764 | 3.4 (3.3-3.5) |
| D | 2015 | 11732 | 3634943 | 3.2 (3.2-3.3) |
| E | 2015 | 303   | 215100  | 1.4 (1.3-1.6) |
| F | 2015 | 1362  | 560342  | 2.4 (2.3-2.6) |
| G | 2015 | 2598  | 718457  | 3.6 (3.5-3.8) |
| H | 2015 | 3110  | 634586  | 4.9 (4.7-5.1) |
| I | 2015 | 77    | 91336   | 0.8 (0.7-1.1) |
| J | 2015 | 617   | 246574  | 2.5 (2.3-2.7) |
| K | 2015 | 1201  | 299616  | 4.0 (3.8-4.2) |
| L | 2015 | 880   | 302120  | 2.9 (2.7-3.1) |
| A | 2016 | 1450  | 557027  | 2.6 (2.5-2.7) |
| B | 2016 | 2057  | 485427  | 4.2 (4.1-4.4) |
| C | 2016 | 13895 | 3564424 | 3.9 (3.8-4.0) |
| D | 2016 | 13761 | 3814615 | 3.6 (3.5-3.7) |
| E | 2016 | 436   | 219429  | 2.0 (1.8-2.2) |
| F | 2016 | 1508  | 600148  | 2.5 (2.4-2.6) |
| G | 2016 | 2703  | 730280  | 3.7 (3.6-3.8) |
| H | 2016 | 3290  | 658608  | 5.0 (4.8-5.2) |
| I | 2016 | 93    | 87532   | 1.1 (0.9-1.3) |
| J | 2016 | 621   | 261074  | 2.4 (2.2-2.6) |
| K | 2016 | 1342  | 311578  | 4.3 (4.1-4.5) |
| L | 2016 | 1007  | 332036  | 3.0 (2.9-3.2) |
| A | 2017 | 1712  | 600072  | 2.9 (2.7-3.0) |
| B | 2017 | 2364  | 513591  | 4.6 (4.4-4.8) |
| C | 2017 | 16047 | 3712621 | 4.3 (4.3-4.4) |
| D | 2017 | 15812 | 3963655 | 4.0 (3.9-4.1) |
| E | 2017 | 491   | 220010  | 2.2 (2.0-2.4) |
| F | 2017 | 1714  | 602048  | 2.8 (2.7-3.0) |
| G | 2017 | 3135  | 748757  | 4.2 (4.0-4.3) |
| H | 2017 | 3076  | 588696  | 5.2 (5.0-5.4) |
| I | 2017 | 104   | 86752   | 1.2 (1.0-1.5) |
| J | 2017 | 726   | 281682  | 2.6 (2.4-2.8) |
| K | 2017 | 1507  | 317525  | 4.7 (4.5-5.0) |
| L | 2017 | 1179  | 331941  | 3.6 (3.4-3.8) |
| A | 2018 | 1762  | 625727  | 2.8 (2.7-3.0) |
| B | 2018 | 2805  | 540451  | 5.2 (5.0-5.4) |
| C | 2018 | 18229 | 3859652 | 4.7 (4.7-4.8) |
| D | 2018 | 17776 | 4094046 | 4.3 (4.3-4.4) |
| E | 2018 | 574   | 220323  | 2.6 (2.4-2.8) |
| F | 2018 | 1976  | 589288  | 3.4 (3.2-3.5) |

|   |      |       |         |               |
|---|------|-------|---------|---------------|
| G | 2018 | 4109  | 819610  | 5.0 (4.9-5.2) |
| H | 2018 | 3024  | 532124  | 5.7 (5.5-5.9) |
| I | 2018 | 140   | 69586   | 2.0 (1.7-2.4) |
| J | 2018 | 883   | 323751  | 2.7 (2.6-2.9) |
| K | 2018 | 1580  | 319462  | 4.9 (4.7-5.2) |
| L | 2018 | 1347  | 364034  | 3.7 (3.5-3.9) |
| A | 2019 | 1853  | 617758  | 3.0 (2.9-3.1) |
| B | 2019 | 3342  | 556227  | 6.0 (5.8-6.2) |
| C | 2019 | 20501 | 3967940 | 5.2 (5.1-5.2) |
| D | 2019 | 19882 | 4167739 | 4.8 (4.7-4.8) |
| E | 2019 | 664   | 219917  | 3.0 (2.8-3.3) |
| F | 2019 | 2294  | 574678  | 4.0 (3.8-4.2) |
| G | 2019 | 4265  | 739187  | 5.8 (5.6-5.9) |
| H | 2019 | 2324  | 409652  | 5.7 (5.4-5.9) |
| I | 2019 | 178   | 68684   | 2.6 (2.2-3.0) |
| J | 2019 | 943   | 285146  | 3.3 (3.1-3.5) |
| K | 2019 | 1767  | 316776  | 5.6 (5.3-5.8) |
| L | 2019 | 1338  | 365143  | 3.7 (3.5-3.9) |
| A | 2020 | 1853  | 630075  | 2.9 (2.8-3.1) |
| B | 2020 | 3905  | 569599  | 6.9 (6.6-7.1) |
| C | 2020 | 21079 | 4098903 | 5.1 (5.1-5.2) |
| D | 2020 | 20411 | 4269056 | 4.8 (4.7-4.8) |
| E | 2020 | 741   | 222197  | 3.3 (3.1-3.6) |
| F | 2020 | 2197  | 554308  | 4.0 (3.8-4.1) |
| G | 2020 | 4432  | 734183  | 6.0 (5.9-6.2) |
| H | 2020 | 2255  | 414803  | 5.4 (5.2-5.7) |
| I | 2020 | 177   | 72513   | 2.4 (2.1-2.8) |
| J | 2020 | 796   | 279523  | 2.8 (2.7-3.1) |
| K | 2020 | 1678  | 325305  | 5.2 (4.9-5.4) |
| L | 2020 | 1234  | 340236  | 3.6 (3.4-3.8) |
| A | 2021 | 2199  | 611281  | 3.6 (3.5-3.8) |
| B | 2021 | 4353  | 569305  | 7.6 (7.4-7.9) |
| C | 2021 | 24342 | 4056502 | 6.0 (5.9-6.1) |
| D | 2021 | 24184 | 4277211 | 5.7 (5.6-5.7) |
| E | 2021 | 777   | 215298  | 3.6 (3.4-3.9) |
| F | 2021 | 2540  | 527578  | 4.8 (4.6-5.0) |
| G | 2021 | 5183  | 724933  | 7.1 (7.0-7.3) |
| H | 2021 | 2128  | 368287  | 5.8 (5.5-6.0) |
| I | 2021 | 223   | 78269   | 2.8 (2.5-3.2) |
| J | 2021 | 955   | 284820  | 3.4 (3.1-3.6) |
| K | 2021 | 1906  | 348742  | 5.5 (5.2-5.7) |
| L | 2021 | 1398  | 339340  | 4.1 (3.9-4.3) |
| A | 2022 | 2574  | 591499  | 4.4 (4.2-4.5) |
| B | 2022 | 4913  | 570835  | 8.6 (8.4-8.8) |
| C | 2022 | 23004 | 3849007 | 6.0 (5.9-6.1) |
| D | 2022 | 29771 | 4324516 | 6.9 (6.8-7.0) |
| E | 2022 | 935   | 230675  | 4.1 (3.8-4.3) |

|   |      |      |        |               |
|---|------|------|--------|---------------|
| F | 2022 | 2987 | 509756 | 5.9 (5.7-6.1) |
| G | 2022 | 6102 | 733395 | 8.3 (8.1-8.5) |
| H | 2022 | 2209 | 332134 | 6.7 (6.4-6.9) |
| I | 2022 | 253  | 82413  | 3.1 (2.7-3.5) |
| J | 2022 | 1076 | 291072 | 3.7 (3.5-3.9) |
| K | 2022 | 2129 | 386664 | 5.5 (5.3-5.7) |
| L | 2022 | 1730 | 362038 | 4.8 (4.6-5.0) |

**eTable 5.** Count of autistic individuals and total individuals enrolled for female and male gender and each study year, with diagnosis rate per 1,000 and 95% confidence intervals (LCI = lower confidence interval, UCI = upper confidence interval). Results are shown for enrollees of all ages as well as separately for Children (0-17 years) and Adults (18+ years).

| Group    | Gender | Year | Autistic Individuals | Total Enrolled | Diagnosis Rate per 1000 (95% CI) |
|----------|--------|------|----------------------|----------------|----------------------------------|
| Children | Female | 2011 | 3177                 | 1089897        | 2.9 (2.8-3.0)                    |
| Children | Male   | 2011 | 14207                | 1139180        | 12.5 (12.3-12.7)                 |
| Children | Female | 2012 | 3463                 | 1104446        | 3.1 (3.0-3.2)                    |
| Children | Male   | 2012 | 15783                | 1157963        | 13.6 (13.4-13.8)                 |
| Children | Female | 2013 | 3978                 | 1119430        | 3.6 (3.4-3.7)                    |
| Children | Male   | 2013 | 17712                | 1168215        | 15.2 (14.9-15.4)                 |
| Children | Female | 2014 | 4644                 | 1128454        | 4.1 (4.0-4.2)                    |
| Children | Male   | 2014 | 20094                | 1179270        | 17.0 (16.8-17.3)                 |
| Children | Female | 2015 | 5348                 | 1164612        | 4.6 (4.5-4.7)                    |
| Children | Male   | 2015 | 22546                | 1217735        | 18.5 (18.3-18.8)                 |
| Children | Female | 2016 | 6136                 | 1201127        | 5.1 (5.0-5.2)                    |
| Children | Male   | 2016 | 25632                | 1254039        | 20.4 (20.2-20.7)                 |
| Children | Female | 2017 | 7044                 | 1205215        | 5.8 (5.7-6.0)                    |
| Children | Male   | 2017 | 28550                | 1258103        | 22.7 (22.4-23.0)                 |
| Children | Female | 2018 | 8134                 | 1235748        | 6.6 (6.4-6.7)                    |
| Children | Male   | 2018 | 32041                | 1291922        | 24.8 (24.5-25.1)                 |
| Children | Female | 2019 | 9062                 | 1221674        | 7.4 (7.3-7.6)                    |
| Children | Male   | 2019 | 34722                | 1276043        | 27.2 (26.9-27.5)                 |
| Children | Female | 2020 | 9714                 | 1238912        | 7.8 (7.7-8.0)                    |
| Children | Male   | 2020 | 35012                | 1293605        | 27.1 (26.8-27.3)                 |
| Children | Female | 2021 | 11746                | 1208596        | 9.7 (9.5-9.9)                    |
| Children | Male   | 2021 | 39733                | 1261046        | 31.5 (31.2-31.8)                 |
| Children | Female | 2022 | 13655                | 1154430        | 11.8 (11.6-12.0)                 |
| Children | Male   | 2022 | 42887                | 1204572        | 35.6 (35.3-35.9)                 |
| Adults   | Female | 2011 | 1064                 | 3621146        | 0.3 (0.3-0.3)                    |
| Adults   | Male   | 2011 | 3317                 | 3325909        | 1.0 (1.0-1.0)                    |
| Adults   | Female | 2012 | 1326                 | 3754651        | 0.4 (0.3-0.4)                    |
| Adults   | Male   | 2012 | 3944                 | 3437599        | 1.1 (1.1-1.2)                    |
| Adults   | Female | 2013 | 1458                 | 4032297        | 0.4 (0.3-0.4)                    |
| Adults   | Male   | 2013 | 4727                 | 3555482        | 1.3 (1.3-1.4)                    |
| Adults   | Female | 2014 | 1802                 | 4238534        | 0.4 (0.4-0.4)                    |
| Adults   | Male   | 2014 | 5537                 | 3756148        | 1.5 (1.4-1.5)                    |
| Adults   | Female | 2015 | 2118                 | 4471271        | 0.5 (0.5-0.5)                    |
| Adults   | Male   | 2015 | 6499                 | 4032238        | 1.6 (1.6-1.7)                    |
| Adults   | Female | 2016 | 2526                 | 4736143        | 0.5 (0.5-0.6)                    |
| Adults   | Male   | 2016 | 7863                 | 4260304        | 1.8 (1.8-1.9)                    |
| Adults   | Female | 2017 | 3025                 | 4953525        | 0.6 (0.6-0.6)                    |
| Adults   | Male   | 2017 | 9239                 | 4441336        | 2.1 (2.0-2.1)                    |
| Adults   | Female | 2018 | 3536                 | 5135755        | 0.7 (0.7-0.7)                    |
| Adults   | Male   | 2018 | 10480                | 4606724        | 2.3 (2.2-2.3)                    |
| Adults   | Female | 2019 | 3979                 | 5155301        | 0.8 (0.7-0.8)                    |
| Adults   | Male   | 2019 | 11575                | 4586728        | 2.5 (2.5-2.6)                    |
| Adults   | Female | 2020 | 4316                 | 5222201        | 0.8 (0.8-0.9)                    |
| Adults   | Male   | 2020 | 11700                | 4672551        | 2.5 (2.5-2.5)                    |
| Adults   | Female | 2021 | 5158                 | 5223666        | 1.0 (1.0-1.0)                    |

|        |        |      |       |         |               |
|--------|--------|------|-------|---------|---------------|
| Adults | Male   | 2021 | 13528 | 4646567 | 2.9 (2.9-3.0) |
| Adults | Female | 2022 | 6364  | 5209845 | 1.2 (1.2-1.3) |
| Adults | Male   | 2022 | 14749 | 4657329 | 3.2 (3.1-3.2) |

**eTable 6.** Male-to-female ASD prevalence ratios for each study year in 2011-2022, for the full study sample and separately for children (ages 0-17) and adults (ages 18+).

| Male-to-Female Prevalence Ratio |          |        |
|---------------------------------|----------|--------|
| Year                            | Children | Adults |
| 2011                            | 4.29     | 3.45   |
| 2012                            | 4.34     | 3.29   |
| 2013                            | 4.27     | 3.69   |
| 2014                            | 4.14     | 3.42   |
| 2015                            | 4.03     | 3.43   |
| 2016                            | 4.00     | 3.49   |
| 2017                            | 3.89     | 3.41   |
| 2018                            | 3.77     | 3.29   |
| 2019                            | 3.67     | 3.27   |
| 2020                            | 3.45     | 3.01   |
| 2021                            | 3.24     | 2.94   |
| 2022                            | 3.01     | 2.60   |

**eTable 7.** Count of autistic individuals and total individuals enrolled each age group and each study year, with ASD diagnosis rates per 1,000 and 95% confidence intervals.

| Age Group | Year | Autistic Individuals | Total Enrolled | Diagnosis Rate per 1000 (95% CI) |
|-----------|------|----------------------|----------------|----------------------------------|
| 0-4       | 2011 | 3586                 | 562018         | 6.4 (6.2-6.6)                    |
| 5-8       | 2011 | 4602                 | 466258         | 9.9 (9.6-10.2)                   |
| 9-12      | 2011 | 4595                 | 506600         | 9.1 (8.8-9.3)                    |
| 13-17     | 2011 | 4603                 | 694436         | 6.6 (6.4-6.8)                    |
| 18-25     | 2011 | 2808                 | 926586         | 3.0 (2.9-3.1)                    |
| 26-34     | 2011 | 673                  | 1002774        | 0.7 (0.6-0.7)                    |
| 35-44     | 2011 | 381                  | 1283498        | 0.3 (0.3-0.3)                    |
| 45-54     | 2011 | 293                  | 1481700        | 0.2 (0.2-0.2)                    |
| 55-64     | 2011 | 151                  | 1321713        | 0.1 (0.1-0.1)                    |
| 65+       | 2011 | 76                   | 1155061        | 0.1 (0.1-0.1)                    |
| 0-4       | 2012 | 3959                 | 574439         | 6.9 (6.7-7.1)                    |
| 5-8       | 2012 | 5073                 | 479051         | 10.6 (10.3-10.9)                 |
| 9-12      | 2012 | 5077                 | 511132         | 9.9 (9.7-10.2)                   |
| 13-17     | 2012 | 5140                 | 702843         | 7.3 (7.1-7.5)                    |
| 18-25     | 2012 | 3334                 | 988407         | 3.4 (3.3-3.5)                    |
| 26-34     | 2012 | 851                  | 1034596        | 0.8 (0.8-0.9)                    |
| 35-44     | 2012 | 432                  | 1303429        | 0.3 (0.3-0.4)                    |
| 45-54     | 2012 | 345                  | 1499997        | 0.2 (0.2-0.3)                    |
| 55-64     | 2012 | 194                  | 1364109        | 0.1 (0.1-0.2)                    |
| 65+       | 2012 | 116                  | 1215769        | 0.1 (0.1-0.1)                    |
| 0-4       | 2013 | 4737                 | 578209         | 8.2 (8.0-8.4)                    |
| 5-8       | 2013 | 5636                 | 488370         | 11.5 (11.2-11.8)                 |
| 9-12      | 2013 | 5646                 | 515680         | 10.9 (10.7-11.2)                 |
| 13-17     | 2013 | 5674                 | 705635         | 8.0 (7.8-8.3)                    |
| 18-25     | 2013 | 3982                 | 1026865        | 3.9 (3.8-4.0)                    |
| 26-34     | 2013 | 1002                 | 1056034        | 0.9 (0.9-1.0)                    |
| 35-44     | 2013 | 505                  | 1329800        | 0.4 (0.3-0.4)                    |
| 45-54     | 2013 | 371                  | 1507289        | 0.2 (0.2-0.3)                    |
| 55-64     | 2013 | 216                  | 1397495        | 0.2 (0.1-0.2)                    |
| 65+       | 2013 | 111                  | 1450811        | 0.1 (0.1-0.1)                    |
| 0-4       | 2014 | 5393                 | 584749         | 9.2 (9.0-9.5)                    |
| 5-8       | 2014 | 6495                 | 496587         | 13.1 (12.8-13.4)                 |
| 9-12      | 2014 | 6328                 | 518308         | 12.2 (11.9-12.5)                 |
| 13-17     | 2014 | 6527                 | 708299         | 9.2 (9.0-9.4)                    |
| 18-25     | 2014 | 4658                 | 1070075        | 4.4 (4.2-4.5)                    |
| 26-34     | 2014 | 1283                 | 1119180        | 1.1 (1.1-1.2)                    |
| 35-44     | 2014 | 565                  | 1378814        | 0.4 (0.4-0.4)                    |
| 45-54     | 2014 | 450                  | 1540171        | 0.3 (0.3-0.3)                    |
| 55-64     | 2014 | 248                  | 1454048        | 0.2 (0.2-0.2)                    |
| 65+       | 2014 | 137                  | 1509449        | 0.1 (0.1-0.1)                    |
| 0-4       | 2015 | 6307                 | 606129         | 10.4 (10.2-10.7)                 |
| 5-8       | 2015 | 7279                 | 512711         | 14.2 (13.9-14.5)                 |
| 9-12      | 2015 | 7091                 | 537449         | 13.2 (12.9-13.5)                 |
| 13-17     | 2015 | 7221                 | 728649         | 9.9 (9.7-10.1)                   |
| 18-25     | 2015 | 5377                 | 1141858        | 4.7 (4.6-4.8)                    |
| 26-34     | 2015 | 1591                 | 1238868        | 1.3 (1.2-1.3)                    |
| 35-44     | 2015 | 676                  | 1461128        | 0.5 (0.4-0.5)                    |
| 45-54     | 2015 | 513                  | 1629988        | 0.3 (0.3-0.3)                    |
| 55-64     | 2015 | 295                  | 1553768        | 0.2 (0.2-0.2)                    |

|       |      |       |         |                  |
|-------|------|-------|---------|------------------|
| 65+   | 2015 | 167   | 1599450 | 0.1 (0.1-0.1)    |
| 0-4   | 2016 | 7411  | 631460  | 11.7 (11.5-12.0) |
| 5-8   | 2016 | 8454  | 523120  | 16.2 (15.8-16.5) |
| 9-12  | 2016 | 7759  | 557277  | 13.9 (13.6-14.2) |
| 13-17 | 2016 | 8148  | 743522  | 11.0 (10.7-11.2) |
| 18-25 | 2016 | 6461  | 1186034 | 5.4 (5.3-5.6)    |
| 26-34 | 2016 | 2054  | 1333099 | 1.5 (1.5-1.6)    |
| 35-44 | 2016 | 798   | 1534753 | 0.5 (0.5-0.6)    |
| 45-54 | 2016 | 552   | 1680510 | 0.3 (0.3-0.4)    |
| 55-64 | 2016 | 340   | 1641294 | 0.2 (0.2-0.2)    |
| 65+   | 2016 | 186   | 1697435 | 0.1 (0.1-0.1)    |
| 0-4   | 2017 | 8621  | 642003  | 13.4 (13.1-13.7) |
| 5-8   | 2017 | 9406  | 521309  | 18.0 (17.7-18.4) |
| 9-12  | 2017 | 8494  | 562624  | 15.1 (14.8-15.4) |
| 13-17 | 2017 | 9080  | 737603  | 12.3 (12.1-12.6) |
| 18-25 | 2017 | 7424  | 1202903 | 6.2 (6.0-6.3)    |
| 26-34 | 2017 | 2630  | 1413635 | 1.9 (1.8-1.9)    |
| 35-44 | 2017 | 935   | 1604007 | 0.6 (0.5-0.6)    |
| 45-54 | 2017 | 615   | 1726039 | 0.4 (0.3-0.4)    |
| 55-64 | 2017 | 414   | 1700943 | 0.2 (0.2-0.3)    |
| 65+   | 2017 | 248   | 1804788 | 0.1 (0.1-0.2)    |
| 0-4   | 2018 | 10147 | 663293  | 15.3 (15.0-15.6) |
| 5-8   | 2018 | 10632 | 533191  | 19.9 (19.6-20.3) |
| 9-12  | 2018 | 9315  | 580557  | 16.0 (15.7-16.4) |
| 13-17 | 2018 | 10089 | 752077  | 13.4 (13.2-13.7) |
| 18-25 | 2018 | 8255  | 1222136 | 6.8 (6.6-6.9)    |
| 26-34 | 2018 | 3209  | 1488613 | 2.2 (2.1-2.2)    |
| 35-44 | 2018 | 1097  | 1681513 | 0.7 (0.6-0.7)    |
| 45-54 | 2018 | 679   | 1756788 | 0.4 (0.4-0.4)    |
| 55-64 | 2018 | 495   | 1766654 | 0.3 (0.3-0.3)    |
| 65+   | 2018 | 287   | 1902045 | 0.2 (0.1-0.2)    |
| 0-4   | 2019 | 11758 | 656378  | 17.9 (17.6-18.2) |
| 5-8   | 2019 | 11609 | 527321  | 22.0 (21.6-22.4) |
| 9-12  | 2019 | 9944  | 575671  | 17.3 (16.9-17.6) |
| 13-17 | 2019 | 10481 | 738586  | 14.2 (13.9-14.5) |
| 18-25 | 2019 | 8925  | 1198513 | 7.4 (7.3-7.6)    |
| 26-34 | 2019 | 3745  | 1491960 | 2.5 (2.4-2.6)    |
| 35-44 | 2019 | 1324  | 1693331 | 0.8 (0.7-0.8)    |
| 45-54 | 2019 | 736   | 1707880 | 0.4 (0.4-0.5)    |
| 55-64 | 2019 | 521   | 1736796 | 0.3 (0.3-0.3)    |
| 65+   | 2019 | 308   | 1951253 | 0.2 (0.1-0.2)    |
| 0-4   | 2020 | 12470 | 660726  | 18.9 (18.5-19.2) |
| 5-8   | 2020 | 12184 | 537535  | 22.7 (22.3-23.1) |
| 9-12  | 2020 | 9847  | 578827  | 17.0 (16.7-17.3) |
| 13-17 | 2020 | 10234 | 755686  | 13.5 (13.3-13.8) |
| 18-25 | 2020 | 8874  | 1221164 | 7.3 (7.1-7.4)    |
| 26-34 | 2020 | 3995  | 1536935 | 2.6 (2.5-2.7)    |
| 35-44 | 2020 | 1491  | 1748144 | 0.9 (0.8-0.9)    |
| 45-54 | 2020 | 726   | 1714298 | 0.4 (0.4-0.5)    |
| 55-64 | 2020 | 565   | 1756292 | 0.3 (0.3-0.3)    |
| 65+   | 2020 | 372   | 1983977 | 0.2 (0.2-0.2)    |
| 0-4   | 2021 | 15306 | 633881  | 24.1 (23.8-24.5) |
| 5-8   | 2021 | 13652 | 525388  | 26.0 (25.6-26.4) |

|       |      |       |         |                  |
|-------|------|-------|---------|------------------|
| 9-12  | 2021 | 11010 | 558989  | 19.7 (19.3-20.1) |
| 13-17 | 2021 | 11521 | 751662  | 15.3 (15.1-15.6) |
| 18-25 | 2021 | 10124 | 1199256 | 8.4 (8.3-8.6)    |
| 26-34 | 2021 | 4877  | 1507305 | 3.2 (3.1-3.3)    |
| 35-44 | 2021 | 1820  | 1748066 | 1.0 (1.0-1.1)    |
| 45-54 | 2021 | 853   | 1687675 | 0.5 (0.5-0.5)    |
| 55-64 | 2021 | 603   | 1721077 | 0.4 (0.3-0.4)    |
| 65+   | 2021 | 422   | 2055916 | 0.2 (0.2-0.2)    |
| 0-4   | 2022 | 17315 | 601042  | 28.8 (28.4-29.2) |
| 5-8   | 2022 | 15211 | 502298  | 30.3 (29.8-30.8) |
| 9-12  | 2022 | 11698 | 530393  | 22.1 (21.7-22.5) |
| 13-17 | 2022 | 12329 | 725626  | 17.0 (16.7-17.3) |
| 18-25 | 2022 | 11185 | 1173625 | 9.5 (9.4-9.7)    |
| 26-34 | 2022 | 5504  | 1485262 | 3.7 (3.6-3.8)    |
| 35-44 | 2022 | 2276  | 1751364 | 1.3 (1.2-1.4)    |
| 45-54 | 2022 | 1006  | 1672683 | 0.6 (0.6-0.6)    |
| 55-64 | 2022 | 665   | 1704694 | 0.4 (0.4-0.4)    |
| 65+   | 2022 | 494   | 2116993 | 0.2 (0.2-0.3)    |

**eTable 8.** Count of autistic individuals and total individuals enrolled for children and adults with diagnosis rate per 1,000 and 95% confidence intervals, stratified by race group for each year in 2011-2022 (AS = Asian, BA = Black/African American, HP = Hawaiian Pacific, IN = Native American/Alaskan Native, OT = Other, WH = White).

| Group    | Race | Year | Autistic Individuals | Total Enrolled | Diagnosis Rate per 1,000 (95% CI) |
|----------|------|------|----------------------|----------------|-----------------------------------|
| Children | AS   | 2011 | 1950                 | 265645         | 7.3 (7.0-7.7)                     |
| Children | BA   | 2011 | 1366                 | 210343         | 6.5 (6.2-6.8)                     |
| Children | HP   | 2011 | 146                  | 40289          | 3.6 (3.1-4.3)                     |
| Children | IN   | 2011 | 146                  | 14637          | 10.0 (8.5-11.7)                   |
| Children | OT   | 2011 | 85                   | 12830          | 6.6 (5.4-8.2)                     |
| Children | WH   | 2011 | 10329                | 1110160        | 9.3 (9.1-9.5)                     |
| Children | AS   | 2012 | 2270                 | 276711         | 8.2 (7.9-8.5)                     |
| Children | BA   | 2012 | 1585                 | 211772         | 7.5 (7.1-7.9)                     |
| Children | HP   | 2012 | 163                  | 39975          | 4.1 (3.5-4.8)                     |
| Children | IN   | 2012 | 163                  | 17041          | 9.6 (8.2-11.1)                    |
| Children | OT   | 2012 | 117                  | 14378          | 8.1 (6.8-9.7)                     |
| Children | WH   | 2012 | 11349                | 1144089        | 9.9 (9.7-10.1)                    |
| Children | AS   | 2013 | 2728                 | 285176         | 9.6 (9.2-9.9)                     |
| Children | BA   | 2013 | 1790                 | 212362         | 8.4 (8.0-8.8)                     |
| Children | HP   | 2013 | 205                  | 39978          | 5.1 (4.5-5.9)                     |
| Children | IN   | 2013 | 188                  | 16757          | 11.2 (9.7-12.9)                   |
| Children | OT   | 2013 | 165                  | 16567          | 10.0 (8.6-11.6)                   |
| Children | WH   | 2013 | 12442                | 1156917        | 10.8 (10.6-10.9)                  |
| Children | AS   | 2014 | 3345                 | 291771         | 11.5 (11.1-11.9)                  |
| Children | BA   | 2014 | 2044                 | 211759         | 9.7 (9.2-10.1)                    |
| Children | HP   | 2014 | 251                  | 40406          | 6.2 (5.5-7.0)                     |
| Children | IN   | 2014 | 231                  | 16704          | 13.8 (12.2-15.7)                  |
| Children | OT   | 2014 | 184                  | 18835          | 9.8 (8.5-11.3)                    |
| Children | WH   | 2014 | 13934                | 1162521        | 12.0 (11.8-12.2)                  |
| Children | AS   | 2015 | 3960                 | 305672         | 13.0 (12.6-13.4)                  |
| Children | BA   | 2015 | 2383                 | 214437         | 11.1 (10.7-11.6)                  |
| Children | HP   | 2015 | 296                  | 41574          | 7.1 (6.4-8.0)                     |
| Children | IN   | 2015 | 268                  | 17497          | 15.3 (13.6-17.2)                  |
| Children | OT   | 2015 | 193                  | 18755          | 10.3 (8.9-11.8)                   |
| Children | WH   | 2015 | 15234                | 1193177        | 12.8 (12.6-13.0)                  |
| Children | AS   | 2016 | 4718                 | 319266         | 14.8 (14.4-15.2)                  |
| Children | BA   | 2016 | 2679                 | 211618         | 12.7 (12.2-13.1)                  |
| Children | HP   | 2016 | 383                  | 42554          | 9.0 (8.1-9.9)                     |
| Children | IN   | 2016 | 294                  | 17669          | 16.6 (14.9-18.6)                  |
| Children | OT   | 2016 | 237                  | 19945          | 11.9 (10.5-13.5)                  |
| Children | WH   | 2016 | 16898                | 1223812        | 13.8 (13.6-14.0)                  |
| Children | AS   | 2017 | 5468                 | 331332         | 16.5 (16.1-16.9)                  |
| Children | BA   | 2017 | 3045                 | 210415         | 14.5 (14.0-15.0)                  |
| Children | HP   | 2017 | 440                  | 42669          | 10.3 (9.4-11.3)                   |
| Children | IN   | 2017 | 318                  | 17639          | 18.0 (16.2-20.1)                  |
| Children | OT   | 2017 | 243                  | 20262          | 12.0 (10.6-13.6)                  |
| Children | WH   | 2017 | 18589                | 1228681        | 15.1 (14.9-15.3)                  |
| Children | AS   | 2018 | 6287                 | 347073         | 18.1 (17.7-18.6)                  |
| Children | BA   | 2018 | 3528                 | 219759         | 16.1 (15.5-16.6)                  |
| Children | HP   | 2018 | 480                  | 43567          | 11.0 (10.1-12.0)                  |
| Children | IN   | 2018 | 337                  | 19184          | 17.6 (15.8-19.5)                  |

|          |    |      |       |         |                  |
|----------|----|------|-------|---------|------------------|
| Children | OT | 2018 | 314   | 22963   | 13.7 (12.3-15.3) |
| Children | WH | 2018 | 20679 | 1247573 | 16.6 (16.4-16.8) |
| Children | AS | 2019 | 7078  | 352625  | 20.1 (19.6-20.5) |
| Children | BA | 2019 | 3901  | 217148  | 18.0 (17.4-18.5) |
| Children | HP | 2019 | 559   | 43960   | 12.7 (11.7-13.8) |
| Children | IN | 2019 | 401   | 19178   | 20.9 (19.0-23.0) |
| Children | OT | 2019 | 343   | 23140   | 14.8 (13.3-16.5) |
| Children | WH | 2019 | 22133 | 1227066 | 18.0 (17.8-18.3) |
| Children | AS | 2020 | 7173  | 358165  | 20.0 (19.6-20.5) |
| Children | BA | 2020 | 4042  | 221011  | 18.3 (17.7-18.9) |
| Children | HP | 2020 | 609   | 44646   | 13.6 (12.6-14.8) |
| Children | IN | 2020 | 403   | 19518   | 20.6 (18.7-22.7) |
| Children | OT | 2020 | 326   | 22694   | 14.4 (12.9-16.0) |
| Children | WH | 2020 | 22313 | 1222800 | 18.2 (18.0-18.5) |
| Children | AS | 2021 | 8121  | 349650  | 23.2 (22.7-23.7) |
| Children | BA | 2021 | 4886  | 217809  | 22.4 (21.8-23.1) |
| Children | HP | 2021 | 702   | 43476   | 16.1 (15.0-17.4) |
| Children | IN | 2021 | 472   | 19080   | 24.7 (22.6-27.0) |
| Children | OT | 2021 | 397   | 22587   | 17.6 (15.9-19.4) |
| Children | WH | 2021 | 25076 | 1185444 | 21.2 (20.9-21.4) |
| Children | AS | 2022 | 8870  | 339020  | 26.2 (25.6-26.7) |
| Children | BA | 2022 | 5288  | 199500  | 26.5 (25.8-27.2) |
| Children | HP | 2022 | 797   | 41662   | 19.1 (17.9-20.5) |
| Children | IN | 2022 | 520   | 18400   | 28.3 (26.0-30.8) |
| Children | OT | 2022 | 535   | 25290   | 21.2 (19.5-23.0) |
| Children | WH | 2022 | 27457 | 1132072 | 24.3 (24.0-24.5) |
| Adults   | AS | 2011 | 360   | 596685  | 0.6 (0.5-0.7)    |
| Adults   | BA | 2011 | 349   | 431168  | 0.8 (0.7-0.9)    |
| Adults   | HP | 2011 | 29    | 32874   | 0.9 (0.6-1.3)    |
| Adults   | IN | 2011 | 30    | 12393   | 2.4 (1.7-3.5)    |
| Adults   | OT | 2011 | 12    | 13583   | 0.9 (0.5-1.5)    |
| Adults   | WH | 2011 | 2943  | 4146652 | 0.7 (0.7-0.7)    |
| Adults   | AS | 2012 | 463   | 706681  | 0.7 (0.6-0.7)    |
| Adults   | BA | 2012 | 451   | 494532  | 0.9 (0.8-1.0)    |
| Adults   | HP | 2012 | 27    | 36752   | 0.7 (0.5-1.1)    |
| Adults   | IN | 2012 | 33    | 15377   | 2.1 (1.5-3.0)    |
| Adults   | OT | 2012 | 18    | 19310   | 0.9 (0.6-1.5)    |
| Adults   | WH | 2012 | 3519  | 4316436 | 0.8 (0.8-0.8)    |
| Adults   | AS | 2013 | 529   | 674114  | 0.8 (0.7-0.9)    |
| Adults   | BA | 2013 | 525   | 438203  | 1.2 (1.1-1.3)    |
| Adults   | HP | 2013 | 41    | 39164   | 1.0 (0.8-1.4)    |
| Adults   | IN | 2013 | 43    | 20464   | 2.1 (1.6-2.8)    |
| Adults   | OT | 2013 | 28    | 23441   | 1.2 (0.8-1.7)    |
| Adults   | WH | 2013 | 4117  | 4540529 | 0.9 (0.9-0.9)    |
| Adults   | AS | 2014 | 664   | 744886  | 0.9 (0.8-1.0)    |
| Adults   | BA | 2014 | 607   | 465317  | 1.3 (1.2-1.4)    |
| Adults   | HP | 2014 | 42    | 57193   | 0.7 (0.5-1.0)    |
| Adults   | IN | 2014 | 47    | 31922   | 1.5 (1.1-2.0)    |
| Adults   | OT | 2014 | 29    | 21314   | 1.4 (0.9-2.0)    |
| Adults   | WH | 2014 | 4892  | 4697175 | 1.0 (1.0-1.1)    |
| Adults   | AS | 2015 | 775   | 977711  | 0.8 (0.7-0.9)    |
| Adults   | BA | 2015 | 726   | 567353  | 1.3 (1.2-1.4)    |

|        |    |      |       |         |               |
|--------|----|------|-------|---------|---------------|
| Adults | HP | 2015 | 58    | 54296   | 1.1 (0.8-1.4) |
| Adults | IN | 2015 | 81    | 31453   | 2.6 (2.1-3.2) |
| Adults | OT | 2015 | 27    | 25269   | 1.1 (0.7-1.6) |
| Adults | WH | 2015 | 5708  | 4947368 | 1.2 (1.1-1.2) |
| Adults | AS | 2016 | 1007  | 977288  | 1.0 (1.0-1.1) |
| Adults | BA | 2016 | 908   | 576820  | 1.6 (1.5-1.7) |
| Adults | HP | 2016 | 76    | 67053   | 1.1 (0.9-1.4) |
| Adults | IN | 2016 | 81    | 34818   | 2.3 (1.9-2.9) |
| Adults | OT | 2016 | 33    | 34868   | 0.9 (0.7-1.3) |
| Adults | WH | 2016 | 6774  | 5136480 | 1.3 (1.3-1.4) |
| Adults | AS | 2017 | 1151  | 1110390 | 1.0 (1.0-1.1) |
| Adults | BA | 2017 | 1026  | 643740  | 1.6 (1.5-1.7) |
| Adults | HP | 2017 | 85    | 64104   | 1.3 (1.1-1.6) |
| Adults | IN | 2017 | 110   | 39586   | 2.8 (2.3-3.3) |
| Adults | OT | 2017 | 49    | 49899   | 1.0 (0.7-1.3) |
| Adults | WH | 2017 | 8142  | 5311339 | 1.5 (1.5-1.6) |
| Adults | AS | 2018 | 1363  | 1196514 | 1.1 (1.1-1.2) |
| Adults | BA | 2018 | 1153  | 655761  | 1.8 (1.7-1.9) |
| Adults | HP | 2018 | 101   | 65925   | 1.5 (1.3-1.9) |
| Adults | IN | 2018 | 121   | 44178   | 2.7 (2.3-3.3) |
| Adults | OT | 2018 | 66    | 49462   | 1.3 (1.0-1.7) |
| Adults | WH | 2018 | 9267  | 5469884 | 1.7 (1.7-1.7) |
| Adults | AS | 2019 | 1550  | 1230180 | 1.3 (1.2-1.3) |
| Adults | BA | 2019 | 1288  | 681482  | 1.9 (1.8-2.0) |
| Adults | HP | 2019 | 133   | 74909   | 1.8 (1.5-2.1) |
| Adults | IN | 2019 | 145   | 42647   | 3.4 (2.9-4.0) |
| Adults | OT | 2019 | 74    | 40195   | 1.8 (1.5-2.3) |
| Adults | WH | 2019 | 10289 | 5427933 | 1.9 (1.9-1.9) |
| Adults | AS | 2020 | 1478  | 1279651 | 1.2 (1.1-1.2) |
| Adults | BA | 2020 | 1320  | 684973  | 1.9 (1.8-2.0) |
| Adults | HP | 2020 | 135   | 85120   | 1.6 (1.3-1.9) |
| Adults | IN | 2020 | 156   | 47550   | 3.3 (2.8-3.8) |
| Adults | OT | 2020 | 88    | 61380   | 1.4 (1.2-1.8) |
| Adults | WH | 2020 | 10736 | 5459869 | 2.0 (1.9-2.0) |
| Adults | AS | 2021 | 1780  | 1297937 | 1.4 (1.3-1.4) |
| Adults | BA | 2021 | 1499  | 690936  | 2.2 (2.1-2.3) |
| Adults | HP | 2021 | 148   | 93525   | 1.6 (1.3-1.9) |
| Adults | IN | 2021 | 203   | 49531   | 4.1 (3.6-4.7) |
| Adults | OT | 2021 | 114   | 61871   | 1.8 (1.5-2.2) |
| Adults | WH | 2021 | 12502 | 5393356 | 2.3 (2.3-2.4) |
| Adults | AS | 2022 | 1949  | 1306063 | 1.5 (1.4-1.6) |
| Adults | BA | 2022 | 1677  | 710379  | 2.4 (2.3-2.5) |
| Adults | HP | 2022 | 183   | 92472   | 2.0 (1.7-2.3) |
| Adults | IN | 2022 | 237   | 53601   | 4.4 (3.9-5.0) |
| Adults | OT | 2022 | 116   | 49444   | 2.3 (2.0-2.8) |
| Adults | WH | 2022 | 14161 | 5324864 | 2.7 (2.6-2.7) |

**eTable 9.** Count of autistic individuals and total individuals enrolled with ASD diagnosis rate per 1,000 and 95% confidence intervals for children and adults in each ethnicity group (Hispanic, Non-Hispanic) and each study year in 2011-2022.

| Group    | Ethnicity    | Year | Autistic Individuals | Total Enrolled | Diagnosis Rate per 1,000 (95% CI) |
|----------|--------------|------|----------------------|----------------|-----------------------------------|
| Children | Hispanic     | 2011 | 4106                 | 660928         | 6.2 (6.0-6.4)                     |
| Children | Non-Hispanic | 2011 | 7154                 | 724417         | 9.9 (9.7-10.1)                    |
| Children | Hispanic     | 2012 | 4651                 | 675677         | 6.9 (6.7-7.1)                     |
| Children | Non-Hispanic | 2012 | 7889                 | 762892         | 10.3 (10.1-10.6)                  |
| Children | Hispanic     | 2013 | 5386                 | 687646         | 7.8 (7.6-8.0)                     |
| Children | Non-Hispanic | 2013 | 8619                 | 776774         | 11.1 (10.9-11.3)                  |
| Children | Hispanic     | 2014 | 6207                 | 688498         | 9.0 (8.8-9.2)                     |
| Children | Non-Hispanic | 2014 | 9474                 | 783656         | 12.1 (11.8-12.3)                  |
| Children | Hispanic     | 2015 | 7129                 | 709840         | 10.0 (9.8-10.3)                   |
| Children | Non-Hispanic | 2015 | 10215                | 788219         | 13.0 (12.7-13.2)                  |
| Children | Hispanic     | 2016 | 8338                 | 729480         | 11.4 (11.2-11.7)                  |
| Children | Non-Hispanic | 2016 | 10994                | 774925         | 14.2 (13.9-14.5)                  |
| Children | Hispanic     | 2017 | 9628                 | 723178         | 13.3 (13.1-13.6)                  |
| Children | Non-Hispanic | 2017 | 11756                | 751987         | 15.6 (15.4-15.9)                  |
| Children | Hispanic     | 2018 | 10938                | 733706         | 14.9 (14.6-15.2)                  |
| Children | Non-Hispanic | 2018 | 12803                | 749802         | 17.1 (16.8-17.4)                  |
| Children | Hispanic     | 2019 | 12467                | 733910         | 17.0 (16.7-17.3)                  |
| Children | Non-Hispanic | 2019 | 13340                | 715153         | 18.7 (18.3-19.0)                  |
| Children | Hispanic     | 2020 | 13005                | 742467         | 17.5 (17.2-17.8)                  |
| Children | Non-Hispanic | 2020 | 13015                | 691890         | 18.8 (18.5-19.1)                  |
| Children | Hispanic     | 2021 | 15588                | 730817         | 21.3 (21.0-21.7)                  |
| Children | Non-Hispanic | 2021 | 13900                | 657072         | 21.2 (20.8-21.5)                  |
| Children | Hispanic     | 2022 | 17725                | 688689         | 25.7 (25.4-26.1)                  |
| Children | Non-Hispanic | 2022 | 15514                | 638067         | 24.3 (23.9-24.7)                  |
| Adults   | Hispanic     | 2011 | 571                  | 1282161        | 0.4 (0.4-0.5)                     |
| Adults   | Non-Hispanic | 2011 | 2044                 | 2874625        | 0.7 (0.7-0.7)                     |
| Adults   | Hispanic     | 2012 | 744                  | 1350182        | 0.6 (0.5-0.6)                     |
| Adults   | Non-Hispanic | 2012 | 2514                 | 2984965        | 0.8 (0.8-0.9)                     |
| Adults   | Hispanic     | 2013 | 879                  | 1402764        | 0.6 (0.6-0.7)                     |
| Adults   | Non-Hispanic | 2013 | 2950                 | 3237211        | 0.9 (0.9-0.9)                     |
| Adults   | Hispanic     | 2014 | 1084                 | 1516751        | 0.7 (0.7-0.8)                     |
| Adults   | Non-Hispanic | 2014 | 3466                 | 3319315        | 1.0 (1.0-1.1)                     |
| Adults   | Hispanic     | 2015 | 1352                 | 1688690        | 0.8 (0.8-0.8)                     |
| Adults   | Non-Hispanic | 2015 | 4037                 | 3464060        | 1.2 (1.1-1.2)                     |
| Adults   | Hispanic     | 2016 | 1732                 | 1804093        | 1.0 (0.9-1.0)                     |
| Adults   | Non-Hispanic | 2016 | 4732                 | 3512680        | 1.3 (1.3-1.4)                     |
| Adults   | Hispanic     | 2017 | 2121                 | 1910140        | 1.1 (1.1-1.2)                     |
| Adults   | Non-Hispanic | 2017 | 5494                 | 3590601        | 1.5 (1.5-1.6)                     |
| Adults   | Hispanic     | 2018 | 2476                 | 2019367        | 1.2 (1.2-1.3)                     |
| Adults   | Non-Hispanic | 2018 | 6227                 | 3691460        | 1.7 (1.6-1.7)                     |
| Adults   | Hispanic     | 2019 | 2809                 | 2109097        | 1.3 (1.3-1.4)                     |
| Adults   | Non-Hispanic | 2019 | 6800                 | 3640290        | 1.9 (1.8-1.9)                     |
| Adults   | Hispanic     | 2020 | 2783                 | 2186442        | 1.3 (1.2-1.3)                     |
| Adults   | Non-Hispanic | 2020 | 7057                 | 3611780        | 2.0 (1.9-2.0)                     |
| Adults   | Hispanic     | 2021 | 3402                 | 2220738        | 1.5 (1.5-1.6)                     |
| Adults   | Non-Hispanic | 2021 | 8292                 | 3554335        | 2.3 (2.3-2.4)                     |

|        |              |      |      |         |               |
|--------|--------------|------|------|---------|---------------|
| Adults | Hispanic     | 2022 | 4050 | 2253599 | 1.8 (1.7-1.9) |
| Adults | Non-Hispanic | 2022 | 9749 | 3549838 | 2.7 (2.7-2.8) |

**eTable 10.** Results from weighted least squares models testing significance of changes in diagnosis rates from 2011-2022 within strata of Age, Gender, Race, and Ethnicity (EAPC = estimated annual percentage change; LCI = lower confidence interval; UCI = upper confidence interval).

| Age Group (Years) | EAPC  | LCI   | UCI   | P     |
|-------------------|-------|-------|-------|-------|
| 0-4               | 15.19 | 14.05 | 16.33 | <.001 |
| 5-8               | 10.62 | 9.51  | 11.72 | <.001 |
| 9-12              | 7.73  | 6.66  | 8.80  | <.001 |
| 13-17             | 8.28  | 7.21  | 9.36  | <.001 |
| 18-25             | 10.24 | 9.15  | 11.33 | <.001 |
| 26-34             | 16.07 | 14.91 | 17.22 | <.001 |
| 35-44             | 15.13 | 14.00 | 16.27 | <.001 |
| 45-54             | 9.89  | 8.80  | 10.97 | <.001 |
| 55-64             | 10.93 | 9.83  | 12.04 | <.001 |
| 65+               | 11.35 | 10.25 | 12.45 | <.001 |

| Gender          |        |       |       |       |       |
|-----------------|--------|-------|-------|-------|-------|
| Group           | Gender | EAPC  | LCI   | UCI   | P     |
| Children (0-17) | Female | 13.62 | 12.49 | 14.75 | <.001 |
| Children (0-17) | Male   | 9.63  | 8.54  | 10.72 | <.001 |
| Adults (18+)    | Female | 13.74 | 12.61 | 14.86 | <.001 |
| Adults (18+)    | Male   | 10.34 | 9.24  | 11.43 | <.001 |

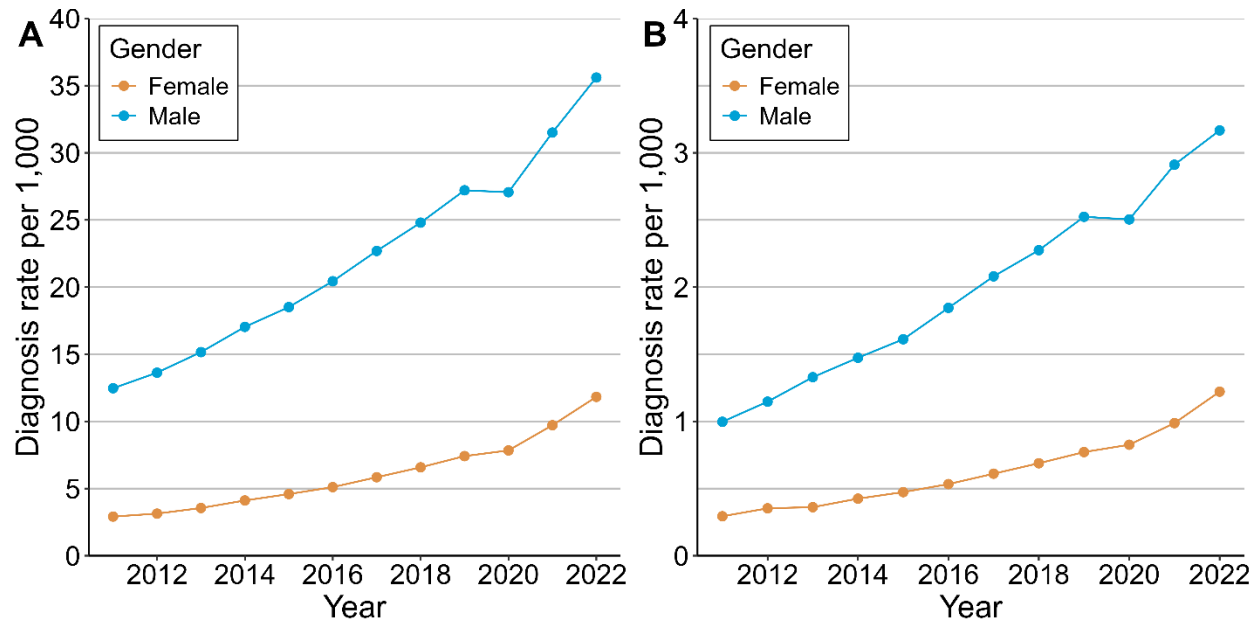
  

| Race            |      |       |       |       |       |
|-----------------|------|-------|-------|-------|-------|
| Group           | Race | EAPC  | LCI   | UCI   | P     |
| Children (0-17) | AS   | 11.5  | 10.39 | 12.6  | <.001 |
| Children (0-17) | BA   | 13.1  | 11.99 | 14.22 | <.001 |
| Children (0-17) | HP   | 13.95 | 12.82 | 15.08 | <.001 |
| Children (0-17) | IN   | 9.23  | 8.15  | 10.31 | <.001 |
| Children (0-17) | OT   | 8.97  | 7.89  | 10.05 | <.001 |
| Children (0-17) | WH   | 8.82  | 7.74  | 9.89  | <.001 |
| Adults (18+)    | AS   | 8.28  | 7.21  | 9.35  | <.001 |
| Adults (18+)    | BA   | 8.89  | 7.81  | 9.96  | <.001 |
| Adults (18+)    | HP   | 9.62  | 8.54  | 10.7  | <.001 |
| Adults (18+)    | IN   | 8.36  | 7.29  | 9.43  | <.001 |
| Adults (18+)    | OT   | 9.18  | 8.1   | 10.26 | <.001 |
| Adults (18+)    | WH   | 12.29 | 11.19 | 13.4  | <.001 |

| Ethnicity       |              |       |       |       |       |
|-----------------|--------------|-------|-------|-------|-------|
| Group           | Ethnicity    | EAPC  | LCI   | UCI   | P     |
| Children (0-17) | Hispanic     | 13.38 | 12.26 | 14.50 | <.001 |
| Children (0-17) | Non-Hispanic | 8.50  | 7.43  | 9.57  | <.001 |
| Adults (18+)    | Hispanic     | 11.89 | 10.78 | 12.99 | <.001 |
| Adults (18+)    | Non-Hispanic | 12.45 | 11.33 | 13.56 | <.001 |

**eFigure 1.** Prevalence of ASD diagnosis per 1,000 enrollees among **A)** children and **B)** adults enrolled at all MHRN sites from 2011-2022, stratified by reported gender.



**eFigure 2.** Annual prevalence of ASD diagnosis per 1,000 enrollees in **A)** 2011 and **B)** 2022, stratified by age group and Hispanic ethnicity.

