**Appendix 1. Percentage of HIV preexposure prophylaxis providers among healthcare providers by provider type and specialty — United States, 2014–2019**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2014** | | **2015** | | **2016** | | **2017** | | **2018** | | **2019** | |
|  | Total providers  N | PrEP providers  N (%) | Total providers  N | PrEP providers  N (%) | Total providers  N | PrEP providers  N (%) | Total providers  N | PrEP providers  N (%) | Total providers  N | PrEP providers  N (%) | Total providers  N | PrEP providers  N (%) |
| **Total** | 1 260 751 | 9 412  (0.7) | 1 315 466 | 18 569  (1.4) | 1 368 765 | 30 673  (2.2) | 1 418 971 | 40 943  (2.9) | 1 466 423 | 53 196  (3.6) | 1 514 967 | 64 400  (4.3) |
| **Physicians by specialty** |  |  |  |  |  |  |  |  |  |  |  |  |
| Infectious Disease | 9 558 | 1 362  (14.2) | 9 706 | 2 089  (21.5) | 9 781 | 2 812  (28.7) | 9 819 | 3 102  (31.6) | 9 848 | 3 264  (33.1) | 9 866 | 3 378  (34.2) |
| General Practice /  Family Medicine | 140 294 | 2 529  (1.8) | 144 794 | 5 919  (4.1) | 149 007 | 10 190  (6.8) | 152 882 | 13 727  (9.0) | 155 570 | 17 876  (11.5) | 158 101 | 21 564  (13.6) |
| Internal Medicine | 144 186 | 2 074  (1.4) | 149 912 | 4 279  (2.9) | 155 310 | 6 857  (4.4) | 159 720 | 8 846  (5.5) | 162 138 | 11 188  (6.9) | 164 245 | 13 230  (8.1) |
| Preventive Medicine | 7 399 | 59  (0.8) | 7 521 | 82  (1.1) | 7 612 | 125  (1.6) | 7 699 | 160  (2.1) | 7 752 | 185  (2.4) | 7 830 | 219  (2.8) |
| Obstetrics and  Gynecology | 49 985 | 98  (0.2) | 51 171 | 176  (0.3) | 52 162 | 284  (0.5) | 52 576 | 400  (0.8) | 53 018 | 599  (1.1) | 53 471 | 763  (1.4) |
| Pediatrics | 95 373 | 196  (0.2) | 97 880 | 475  (0.5) | 100 139 | 812  (0.8) | 102 080 | 1 142  (1.1) | 103 207 | 1 496  (1.4) | 104 226 | 1 925  (1.8) |
| Emergency Medicine | 58 162 | 579  (1.0) | 60 357 | 726  (1.2) | 62 458 | 1 003  (1.6) | 64 126 | 1 128  (1.8) | 64 969 | 1 413  (2.2) | 65 612 | 1 466  (2.2) |
| Other | 469 870 | 781  (0.2) | 478 999 | 1 200  (0.3) | 485 355 | 1 706  (0.4) | 490 432 | 2 034  (0.4) | 494 921 | 2 186  (0.4) | 499 177 | 2 255  (0.5) |
| **Nurse Practitioner and Physician Assistant** | | | | | | | | | | | | |
| Nurse practitioner | 183 201 | 984  (0.5) | 204 484 | 2 204  (1.1) | 228 178 | 4 293  (1.9) | 252 693 | 6 730  (2.7) | 279 205 | 10 180  (3.6) | 307 625 | 13 723  (4.5) |
| Physician assistant | 102 723 | 750  (0.7) | 110 642 | 1 419  (1.3) | 118 763 | 2 591  (2.2) | 126 944 | 3 674  (2.9) | 135 795 | 4 809  (3.5) | 144 814 | 5 877  (4.1) |

\*Number of total providers is estimated from the Centers for Medicare & Medicaid Services (CMS) has developed the National Plan and Provider Enumeration System (NPPES), Jan 2020. (URL: <https://nppes.cms.hhs.gov/#/>). For each year, only activated providers are counted as the denominators. We inferred the status of active provider each year using providers’ records of enumerate date, deactivation date, and reactivation date in the NPPES data.

Provider’s type and specialty is defined by the National Uniform Claim Committee (NUCC) Health Care Provider Taxonomy Code Set. (URL: https://www.nucc.org/index.php/code-sets-mainmenu-41/provider-taxonomy-mainmenu-40)

**Appendix 2. Number of HIV preexposure prophylaxis (PrEP) providers per 100 persons with PrEP indications by state — United States, 2019**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Region** | **State** | **PrEP providers (N)** | **Persons with PrEP indications (N)\*** | **Number of PrEP providers per 100 persons with PrEP indications** |
| Northeast | Massachusetts | 2 835 | 21 890 | 13.0 |
|  | New Hampshire | 304 | 2 650 | 11.5 |
|  | Maine | 314 | 3 250 | 9.7 |
|  | Connecticut | 897 | 9 640 | 9.3 |
|  | New York | 6 036 | 72 610 | 8.3 |
|  | Pennsylvania | 2 859 | 36 050 | 7.9 |
|  | Rhode Island | 383 | 4 880 | 7.8 |
|  | Vermont | 166 | 2 690 | 6.2 |
|  | New Jersey | 1 556 | 26 610 | 5.8 |
| Midwest | Iowa | 474 | 4 180 | 11.3 |
|  | Nebraska | 271 | 2 470 | 11.0 |
|  | Kansas | 466 | 4 400 | 10.6 |
|  | North Dakota | 98 | 1 320 | 7.4 |
|  | Wisconsin | 875 | 12 180 | 7.2 |
|  | South Dakota | 83 | 1 290 | 6.4 |
|  | Michigan | 1 676 | 27 540 | 6.1 |
|  | Missouri | 983 | 17 930 | 5.5 |
|  | Minnesota | 1 174 | 21 820 | 5.4 |
|  | Illinois | 2 703 | 51 240 | 5.3 |
|  | Ohio | 1 996 | 38 110 | 5.2 |
|  | Indiana | 937 | 23 480 | 4.0 |
| South | West Virginia | 269 | 3 060 | 8.8 |
|  | Arkansas | 367 | 4 610 | 8.0 |
|  | South Carolina | 654 | 9 040 | 7.2 |
|  | North Carolina | 1 896 | 29 820 | 6.4 |
|  | Kentucky | 740 | 12 190 | 6.1 |
|  | Louisiana | 779 | 13 390 | 5.8 |
|  | Maryland | 1 554 | 27 390 | 5.7 |
|  | Oklahoma | 520 | 9 140 | 5.7 |
|  | Mississippi | 277 | 5 010 | 5.5 |
|  | Delaware | 209 | 4 010 | 5.2 |
|  | Washington DC | 686 | 13 820 | 5.0 |
|  | Virginia | 1 483 | 32 380 | 4.6 |
|  | Georgia | 1 596 | 35 700 | 4.5 |
|  | Tennessee | 995 | 22 880 | 4.3 |
|  | Alabama | 468 | 11 840 | 4.0 |
|  | Texas | 4 134 | 117 180 | 3.5 |
|  | Florida | 3 877 | 115 200 | 3.4 |
| West | Utah | 592 | 6 830 | 8.7 |
|  | Oregon | 1 280 | 16 880 | 7.6 |
|  | Washington | 2 373 | 31 150 | 7.6 |
|  | New Mexico | 402 | 5 600 | 7.2 |
|  | Montana | 166 | 2 500 | 6.6 |
|  | Nevada | 609 | 9 710 | 6.3 |
|  | California | 9 220 | 156 210 | 5.9 |
|  | Colorado | 1 440 | 24 310 | 5.9 |
|  | Hawaii | 277 | 4 890 | 5.7 |
|  | Alaska | 125 | 2 360 | 5.3 |
|  | Arizona | 1 350 | 25 350 | 5.3 |
|  | Idaho | 195 | 3 860 | 5.1 |
|  | Wyoming | 64 | 2 030 | 3.2 |

\*Data from Smith DK, Van Handel M, Grey J. Estimates of adults with indications for HIV pre-exposure prophylaxis by jurisdiction, transmission risk group, and race/ethnicity, United States, 2015. *Ann Epidemiol.* 2018;28(12):850-857 e859. doi: 10.1016/j.annepidem.2018.05.003.

**Appendix 3. Average number of HIV preexposure prophylaxis (PrEP) patients per PrEP provider by percentile rank in the United States, 2014 - 2019**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **PrEP provider percentile rank based on number of PrEP patients** | **Number of PrEP patients** | | |  | | |
| **2014** | **2015** | **2016** | **2017** | **2018** | **2019** |
| >95th | 22 | 32 | 39 | 44 | 49 | 52 |
| 80th to 95th | 3 | 4 | 4 | 5 | 5 | 5 |
| 50th to 80th | 1 | 2 | 2 | 2 | 2 | 2 |
| <50th | 1 | 1 | 1 | 1 | 1 | 1 |