

Table 53

Doctorate recipients with temporary visas intending to stay in the United States after doctorate receipt, by country of citizenship: 2014–20

(Number and percent)

| Country of citizenship | Total, 2014–20 | | 2014 | | 2015 | | 2016 | | 2017 | | 2018 | | 2019 | | 2020 | |
|----------------------------|----------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying |
| All temporary visa holders | 119,125 | 72.2 | 15,839 | 71.1 | 16,129 | 71.3 | 16,477 | 72.5 | 16,288 | 74.3 | 17,586 | 72.0 | 18,324 | 71.2 | 18,482 | 73.0 |
| Africa | 4,926 | 70.1 | 648 | 66.8 | 649 | 66.4 | 653 | 70.8 | 700 | 70.9 | 745 | 70.6 | 743 | 72.0 | 788 | 72.6 |
| Egypt | 983 | 71.5 | 135 | 70.4 | 129 | 62.8 | 117 | 66.7 | 156 | 69.9 | 156 | 73.7 | 163 | 74.8 | 127 | 81.1 |
| Nigeria | 848 | 79.5 | 87 | 82.8 | 83 | 75.9 | 112 | 83.9 | 113 | 77.9 | 147 | 75.5 | 145 | 81.4 | 161 | 79.5 |
| Ghana | 615 | 70.6 | 62 | 77.4 | 83 | 65.1 | 87 | 70.1 | 85 | 71.8 | 103 | 66.0 | 88 | 72.7 | 107 | 72.9 |
| Libya | 411 | 67.2 | 58 | 36.2 | 60 | 71.7 | 67 | 65.7 | 48 | 75.0 | 56 | 76.8 | 61 | 68.9 | 61 | 77.0 |
| Kenya | 390 | 69.2 | 72 | 70.8 | 57 | 68.4 | 60 | 66.7 | 57 | 63.2 | 50 | 68.0 | 38 | 78.9 | 56 | 71.4 |
| South Africa | 176 | 52.8 | 32 | 53.1 | 25 | 52.0 | 20 | 60.0 | 20 | 45.0 | 26 | 53.8 | 29 | 51.7 | 24 | 54.2 |
| Uganda | 155 | 51.0 | 27 | 44.4 | 23 | 60.9 | 16 | 56.3 | 19 | 47.4 | 20 | 50.0 | 20 | 45.0 | 30 | 53.3 |
| Other | 1,348 | 68.7 | 175 | 66.9 | 189 | 65.6 | 174 | 71.3 | 202 | 73.3 | 187 | 70.1 | 199 | 67.8 | 222 | 66.2 |
| Americas | 10,642 | 58.1 | 1,542 | 55.6 | 1,480 | 55.7 | 1,503 | 57.5 | 1,445 | 56.5 | 1,474 | 60.0 | 1,534 | 60.8 | 1,664 | 60.3 |
| Canada | 3,015 | 58.5 | 488 | 55.1 | 454 | 56.6 | 408 | 56.6 | 409 | 59.2 | 431 | 62.2 | 427 | 62.3 | 398 | 57.8 |
| Mexico | 1,396 | 62.5 | 193 | 54.9 | 194 | 53.1 | 221 | 61.1 | 180 | 69.4 | 185 | 71.4 | 187 | 64.2 | 236 | 64.0 |
| Colombia | 1,374 | 58.0 | 216 | 56.9 | 183 | 68.3 | 187 | 61.5 | 190 | 48.4 | 205 | 52.7 | 202 | 58.9 | 191 | 60.2 |
| Brazil | 1,361 | 58.7 | 139 | 50.4 | 149 | 50.3 | 156 | 56.4 | 168 | 61.3 | 178 | 61.2 | 253 | 63.6 | 318 | 60.7 |
| Chile | 757 | 34.3 | 99 | 35.4 | 103 | 32.0 | 130 | 32.3 | 128 | 25.8 | 91 | 39.6 | 100 | 35.0 | 106 | 43.4 |
| Argentina | 424 | 63.4 | 67 | 64.2 | 64 | 53.1 | 65 | 61.5 | 52 | 69.2 | 60 | 66.7 | 52 | 61.5 | 64 | 68.8 |
| Peru | 370 | 65.7 | 58 | 53.4 | 53 | 66.0 | 56 | 69.6 | 50 | 70.0 | 46 | 50.0 | 51 | 76.5 | 56 | 73.2 |
| Ecuador | 310 | 43.9 | 34 | 47.1 | 42 | 38.1 | 42 | 40.5 | 49 | 36.7 | 44 | 38.6 | 50 | 42.0 | 49 | 63.3 |
| Jamaica | 230 | 68.7 | 25 | 68.0 | 36 | 69.4 | 34 | 76.5 | 29 | 69.0 | 44 | 54.5 | 32 | 68.8 | 30 | 80.0 |
| Venezuela | 213 | 80.3 | 40 | 82.5 | 29 | 75.9 | 27 | D | 31 | 67.7 | 26 | 76.9 | 28 | 82.1 | 32 | D |
| Costa Rica | 201 | 44.8 | 28 | 57.1 | 31 | 38.7 | 33 | 42.4 | 24 | 45.8 | 28 | 50.0 | 26 | 38.5 | 31 | 41.9 |
| Other | 991 | 63.0 | 155 | 63.9 | 142 | 61.3 | 144 | D | 135 | 60.0 | 136 | 68.4 | 126 | 66.7 | 153 | D |
| Asia | 78,061 | 77.7 | 10,752 | 75.8 | 10,885 | 76.0 | 11,016 | 78.1 | 10,640 | 80.0 | 11,324 | 77.5 | 11,621 | 77.2 | 11,823 | 79.0 |
| China ^a | 40,277 | 80.7 | 4,982 | 81.3 | 5,374 | 81.1 | 5,527 | 81.0 | 5,553 | 83.3 | 6,188 | 79.4 | 6,316 | 79.2 | 6,337 | 80.1 |
| India | 15,067 | 86.7 | 2,316 | 86.2 | 2,229 | 84.6 | 2,195 | 87.2 | 1,970 | 88.5 | 2,045 | 87.1 | 2,056 | 85.9 | 2,256 | 88.0 |
| South Korea | 8,136 | 64.9 | 1,284 | 60.7 | 1,234 | 62.9 | 1,229 | 66.7 | 1,128 | 68.5 | 1,040 | 63.7 | 1,167 | 65.3 | 1,054 | 67.0 |
| Taiwan | 3,868 | 74.3 | 668 | 68.6 | 614 | 70.4 | 592 | 77.9 | 520 | 76.7 | 514 | 78.0 | 492 | 73.4 | 468 | 76.9 |
| Bangladesh | 1,678 | 87.1 | 139 | 83.5 | 154 | 87.7 | 185 | 90.3 | 236 | 88.1 | 280 | 88.2 | 292 | 86.0 | 392 | 86.0 |
| Nepal | 1,484 | 89.8 | 172 | 84.9 | 177 | 88.1 | 222 | 88.7 | 221 | 91.9 | 225 | 88.9 | 241 | 89.6 | 226 | 94.7 |
| Thailand | 1,269 | 27.6 | 231 | 26.4 | 220 | 21.4 | 185 | 30.3 | 171 | 25.7 | 177 | 31.1 | 159 | 30.2 | 126 | 31.0 |
| Sri Lanka | 1,025 | 81.9 | 139 | 81.3 | 133 | 76.7 | 132 | 78.0 | 146 | 81.5 | 150 | 85.3 | 151 | 83.4 | 174 | 85.1 |
| Vietnam | 992 | 75.6 | 142 | 76.8 | 134 | 74.6 | 124 | 71.8 | 133 | 75.9 | 122 | 80.3 | 168 | 76.2 | 169 | 74.0 |
| Japan | 980 | 49.8 | 173 | 48.6 | 164 | 39.6 | 166 | 53.6 | 117 | 58.1 | 118 | 50.0 | 128 | 51.6 | 114 | 50.0 |

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|----------------------------------|----------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying |
| Pakistan | 845 | 57.0 | 127 | 47.2 | 124 | 54.0 | 102 | 45.1 | 113 | 54.0 | 110 | 59.1 | 112 | 64.3 | 157 | 70.7 |
| Singapore | 679 | 38.7 | 97 | 38.1 | 102 | 36.3 | 91 | 38.5 | 101 | 41.6 | 81 | 25.9 | 100 | 38.0 | 107 | 49.5 |
| Indonesia | 530 | 41.9 | 78 | 38.5 | 53 | 37.7 | 92 | 43.5 | 69 | 50.7 | 81 | 34.6 | 79 | 43.0 | 78 | 44.9 |
| Malaysia | 517 | 49.9 | 88 | 46.6 | 79 | 38.0 | 72 | 55.6 | 65 | 47.7 | 83 | 59.0 | 71 | 50.7 | 59 | 52.5 |
| Philippines | 348 | 70.4 | 70 | 67.1 | 40 | 75.0 | 51 | 76.5 | 47 | 70.2 | 57 | 73.7 | 38 | 65.8 | 45 | 64.4 |
| Other | 366 | 62.0 | 46 | 56.5 | 54 | 63.0 | 51 | 60.8 | 50 | 58.0 | 53 | 62.3 | 51 | 68.6 | 61 | 63.9 |
| Australia-Oceania | 518 | 60.0 | 64 | 45.3 | 83 | 55.4 | 65 | 61.5 | 79 | 62.0 | 66 | 57.6 | 81 | 71.6 | 80 | 63.8 |
| Australia | 326 | 62.3 | 44 | 43.2 | 52 | 48.1 | 42 | 66.7 | 47 | 72.3 | 37 | 64.9 | 53 | 73.6 | 51 | 66.7 |
| New Zealand | 176 | 56.3 | D | D | 26 | 65.4 | 23 | 52.2 | D | D | 23 | 56.5 | D | D | D | D |
| Other | 16 | 56.3 | D | D | 5 | 80.0 | 0 | 0.0 | D | D | 6 | 16.7 | D | D | D | D |
| Europe | 12,469 | 64.2 | 1,802 | 63.4 | 1,832 | 61.4 | 1,776 | 62.7 | 1,785 | 67.4 | 1,807 | 63.3 | 1,757 | 64.4 | 1,710 | 67.3 |
| Turkey | 3,092 | 62.0 | 426 | 62.9 | 469 | 59.7 | 472 | 57.6 | 496 | 61.1 | 454 | 59.7 | 406 | 64.5 | 369 | 70.5 |
| Germany | 1,181 | 56.6 | 203 | 51.2 | 195 | 51.3 | 183 | 61.2 | 154 | 68.2 | 144 | 54.2 | 152 | 57.9 | 150 | 54.0 |
| Italy | 1,093 | 66.5 | 156 | 64.1 | 126 | 65.1 | 167 | 65.9 | 161 | 70.8 | 139 | 72.7 | 174 | 63.8 | 170 | 64.1 |
| Russian Federation (former USSR) | 829 | 75.8 | 106 | 72.6 | 118 | 78.0 | 108 | 69.4 | 112 | 81.3 | 154 | 73.4 | 111 | 73.0 | 120 | 82.5 |
| France | 826 | 65.7 | 114 | 67.5 | 131 | 58.8 | 105 | 66.7 | 107 | 69.2 | 133 | 64.7 | 118 | 67.8 | 118 | 66.9 |
| United Kingdom | 772 | 61.3 | 97 | 70.1 | 100 | 55.0 | 115 | 54.8 | 103 | 60.2 | 110 | 60.0 | 128 | 62.5 | 119 | 66.4 |
| Spain | 695 | 62.4 | 68 | 60.3 | 98 | 60.2 | 73 | 61.6 | 100 | 74.0 | 104 | 61.5 | 130 | 57.7 | 122 | 62.3 |
| Greece | 631 | 74.2 | 81 | 72.8 | 84 | 71.4 | 84 | 71.4 | 89 | 73.0 | 114 | 78.1 | 90 | 73.3 | 89 | 77.5 |
| Romania | 350 | 78.0 | 79 | 78.5 | 57 | 82.5 | 51 | 88.2 | 43 | 81.4 | 47 | 61.7 | 48 | D | 25 | D |
| Ukraine | 283 | 79.2 | 51 | 72.5 | 42 | 85.7 | 31 | 71.0 | 37 | 83.8 | 35 | 74.3 | 43 | 81.4 | 44 | 84.1 |
| Poland | 254 | 66.5 | 48 | 64.6 | 48 | 70.8 | 27 | 70.4 | 30 | 66.7 | 33 | 60.6 | 34 | 70.6 | 34 | 61.8 |
| Netherlands | 230 | 53.9 | 32 | 34.4 | 23 | 56.5 | 40 | 50.0 | 27 | 55.6 | 30 | 66.7 | 38 | 55.3 | 40 | 60.0 |
| Bulgaria | 209 | 79.4 | 42 | 66.7 | 34 | 70.6 | 44 | 88.6 | 30 | D | 23 | 78.3 | 21 | D | 15 | D |
| Switzerland | 183 | 53.6 | 25 | 64.0 | 23 | 65.2 | 18 | 44.4 | 32 | 65.6 | 42 | 38.1 | 21 | 38.1 | 22 | 63.6 |
| Portugal | 180 | 52.8 | 22 | 63.6 | 24 | 45.8 | 33 | 39.4 | 32 | 56.3 | 25 | 52.0 | 24 | 62.5 | 20 | 55.0 |
| Hungary | 150 | 58.7 | 26 | 61.5 | 23 | 56.5 | 20 | 45.0 | 20 | D | 20 | 40.0 | 17 | D | 24 | 66.7 |
| Sweden | 107 | 53.3 | 15 | 46.7 | 18 | 50.0 | 19 | 63.2 | 14 | 64.3 | 14 | 64.3 | 12 | D | 15 | 46.7 |
| Other | 1,404 | 61.3 | 211 | 59.7 | 219 | 53.9 | 186 | 64.5 | 198 | D | 186 | 62.9 | 190 | 61.1 | 214 | 63.1 |
| Middle East | 10,811 | 61.3 | 938 | 65.9 | 1,131 | 66.9 | 1,309 | 63.9 | 1,500 | 62.1 | 1,752 | 62.3 | 2,080 | 56.5 | 2,101 | 58.0 |
| Iran | 5,437 | 91.3 | 483 | 89.2 | 629 | 89.7 | 695 | 91.1 | 767 | 92.6 | 937 | 91.4 | 964 | 91.5 | 962 | 92.2 |
| Saudi Arabia | 2,390 | 13.2 | 105 | 17.1 | 134 | 14.2 | 238 | 10.1 | 339 | 10.3 | 404 | 14.9 | 555 | 12.8 | 615 | 14.3 |
| Jordan | 730 | 47.9 | 110 | 40.9 | 128 | 44.5 | 98 | 44.9 | 114 | 44.7 | 77 | 57.1 | 89 | 56.2 | 114 | 51.8 |
| Israel | 540 | 54.1 | 81 | 61.7 | 86 | 59.3 | 83 | 51.8 | 77 | 49.4 | 64 | 50.0 | 80 | 53.8 | 69 | 50.7 |

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|------------------------|----------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|
| | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying | Number | % staying |
| Lebanon | 341 | 74.2 | 50 | 66.0 | 39 | 64.1 | 57 | 70.2 | 52 | 78.8 | 51 | 76.5 | 53 | 79.2 | 39 | 84.6 |
| Other | 1,373 | 33.1 | 109 | 37.6 | 115 | 35.7 | 138 | 37.7 | 151 | 37.7 | 219 | 27.4 | 339 | 26.0 | 302 | 38.4 |
| Country unknown | 1,698 | 44.6 | 93 | 24.7 | 69 | 47.8 | 155 | 12.9 | 139 | 62.6 | 418 | 45.5 | 508 | 49.4 | 316 | 48.4 |

D = suppressed to avoid disclosure of confidential information.

^a Includes Hong Kong.**Note(s):**

Percentages based on all doctorate recipients on temporary visas who indicated where they intended to stay after graduation (United States versus foreign location), not just those with definite commitments for employment or postdoctoral study.

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.