

## West Nile virus neuroinvasive disease cases reported to CDC by state of residence, 1999-2018

| State            | 1999      | 2000      | 2001      | 2002         | 2003         | 2004         | 2005         | 2006         | 2007         | 2008       | 2009       |
|------------------|-----------|-----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|
| Alabama          | 0         | 0         | 2         | 34           | 25           | 15           | 6            | 8            | 17           | 11         | 0          |
| Alaska           | 0         | 0         | 0         | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          |
| Arizona          | 0         | 0         | 0         | 0            | 7            | 215          | 52           | 68           | 50           | 62         | 12         |
| Arkansas         | 0         | 0         | 0         | 32           | 23           | 17           | 13           | 24           | 13           | 7          | 6          |
| California       | 0         | 0         | 0         | 1            | 2            | 291          | 305          | 81           | 154          | 292        | 67         |
| Colorado         | 0         | 0         | 0         | 6            | 621          | 41           | 21           | 66           | 99           | 17         | 36         |
| Connecticut      | 0         | 0         | 6         | 10           | 12           | 0            | 4            | 7            | 2            | 5          | 0          |
| Delaware         | 0         | 0         | 0         | 0            | 12           | 0            | 1            | 0            | 1            | 0          | 0          |
| Dist of Columbia | 0         | 0         | 0         | 14           | 3            | 1            | 3            | 0            | 0            | 4          | 2          |
| Florida          | 0         | 0         | 12        | 28           | 61           | 33           | 10           | 3            | 3            | 3          | 2          |
| Georgia          | 0         | 0         | 6         | 28           | 27           | 14           | 9            | 2            | 23           | 4          | 4          |
| Hawaii           | 0         | 0         | 0         | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          |
| Idaho            | 0         | 0         | 0         | 0            | 0            | 1            | 3            | 139          | 11           | 4          | 9          |
| Illinois         | 0         | 0         | 0         | 553          | 30           | 29           | 137          | 127          | 63           | 12         | 5          |
| Indiana          | 0         | 0         | 0         | 180          | 15           | 8            | 11           | 27           | 14           | 3          | 2          |
| Iowa             | 0         | 0         | 0         | 27           | 81           | 13           | 14           | 22           | 12           | 3          | 0          |
| Kansas           | 0         | 0         | 0         | 22           | 89           | 18           | 17           | 17           | 14           | 14         | 4          |
| Kentucky         | 0         | 0         | 0         | 53           | 11           | 1            | 5            | 5            | 4            | 3          | 3          |
| Louisiana        | 0         | 0         | 1         | 204          | 101          | 85           | 117          | 91           | 27           | 18         | 10         |
| Maine            | 0         | 0         | 0         | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          |
| Maryland         | 0         | 0         | 6         | 22           | 49           | 10           | 4            | 10           | 6            | 6          | 0          |
| Massachusetts    | 0         | 0         | 3         | 19           | 12           | 0            | 4            | 2            | 3            | 1          | 0          |
| Michigan         | 0         | 0         | 0         | 557          | 14           | 13           | 54           | 43           | 16           | 11         | 1          |
| Minnesota        | 0         | 0         | 0         | 16           | 48           | 13           | 18           | 31           | 44           | 2          | 1          |
| Mississippi      | 0         | 0         | 0         | 162          | 34           | 31           | 39           | 89           | 50           | 22         | 31         |
| Missouri         | 0         | 0         | 0         | 126          | 39           | 27           | 17           | 51           | 61           | 12         | 4          |
| Montana          | 0         | 0         | 0         | 2            | 75           | 2            | 8            | 12           | 37           | 0          | 2          |
| Nebraska         | 0         | 0         | 0         | 84           | 194          | 7            | 55           | 45           | 21           | 7          | 11         |
| Nevada           | 0         | 0         | 0         | 0            | 2            | 25           | 14           | 34           | 2            | 9          | 7          |
| New Hampshire    | 0         | 0         | 0         | 0            | 2            | 0            | 0            | 0            | 0            | 0          | 0          |
| New Jersey       | 0         | 5         | 12        | 16           | 21           | 1            | 3            | 2            | 1            | 6          | 3          |
| New Mexico       | 0         | 0         | 0         | 0            | 74           | 32           | 20           | 3            | 39           | 5          | 6          |
| New York         | 59        | 14        | 13        | 68           | 57           | 7            | 30           | 16           | 16           | 32         | 6          |
| North Carolina   | 0         | 0         | 0         | 2            | 16           | 3            | 2            | 1            | 4            | 2          | 0          |
| North Dakota     | 0         | 0         | 0         | 3            | 94           | 2            | 12           | 20           | 49           | 2          | 0          |
| Ohio             | 0         | 0         | 0         | 310          | 84           | 11           | 46           | 36           | 13           | 14         | 0          |
| Oklahoma         | 0         | 0         | 0         | 16           | 56           | 16           | 17           | 27           | 59           | 4          | 8          |
| Oregon           | 0         | 0         | 0         | 0            | 0            | 0            | 1            | 7            | 7            | 3          | 1          |
| Pennsylvania     | 0         | 0         | 3         | 42           | 145          | 10           | 14           | 8            | 5            | 12         | 0          |
| Puerto Rico      | 0         | 0         | 0         | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          |
| Rhode Island     | 0         | 0         | 0         | 1            | 5            | 0            | 1            | 0            | 0            | 1          | 0          |
| South Carolina   | 0         | 0         | 0         | 1            | 3            | 0            | 5            | 1            | 3            | 0          | 3          |
| South Dakota     | 0         | 0         | 0         | 17           | 151          | 6            | 36           | 38           | 48           | 11         | 6          |
| Tennessee        | 0         | 0         | 0         | 47           | 21           | 13           | 15           | 16           | 5            | 12         | 4          |
| Texas            | 0         | 0         | 0         | 202          | 431          | 119          | 128          | 233          | 170          | 40         | 93         |
| Utah             | 0         | 0         | 0         | 0            | 0            | 6            | 21           | 56           | 28           | 6          | 1          |
| Vermont          | 0         | 0         | 0         | 0            | 0            | 0            | 0            | 0            | 0            | 0          | 0          |
| Virginia         | 0         | 0         | 0         | 16           | 19           | 5            | 0            | 0            | 3            | 0          | 5          |
| Washington       | 0         | 0         | 0         | 0            | 0            | 0            | 0            | 0            | 0            | 2          | 26         |
| West Virginia    | 0         | 0         | 0         | 3            | 1            | 0            | 0            | 1            | 0            | 1          | 0          |
| Wisconsin        | 0         | 0         | 0         | 22           | 7            | 5            | 11           | 11           | 7            | 4          | 1          |
| Wyoming          | 0         | 0         | 0         | 0            | 92           | 2            | 6            | 15           | 23           | 0          | 4          |
| <b>Total</b>     | <b>59</b> | <b>19</b> | <b>64</b> | <b>2,946</b> | <b>2,866</b> | <b>1,148</b> | <b>1,309</b> | <b>1,495</b> | <b>1,227</b> | <b>689</b> | <b>386</b> |

Source: ArboNET, Arboviral Diseases Branch, Centers for Disease Control and Prevention



## West Nile virus neuroinvasive disease cases reported to CDC by state of residence, 1999-2018 (cont)

| State            | 2010       | 2011       | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | Total         |
|------------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Alabama          | 1          | 5          | 38           | 3            | 0            | 5            | 13           | 40           | 16           | 239           |
| Alaska           | 0          | 0          | 0            | 0            | 0            | 0            | 0            | 0            | 1            | 1             |
| Arizona          | 107        | 49         | 87           | 50           | 80           | 67           | 57           | 98           | 25           | 1,086         |
| Arkansas         | 6          | 1          | 44           | 16           | 9            | 16           | 8            | 15           | 6            | 256           |
| California       | 72         | 110        | 297          | 237          | 561          | 585          | 335          | 401          | 154          | 3,945         |
| Colorado         | 26         | 2          | 62           | 90           | 46           | 57           | 59           | 29           | 52           | 1,330         |
| Connecticut      | 7          | 8          | 12           | 1            | 3            | 8            | 1            | 2            | 18           | 106           |
| Delaware         | 0          | 1          | 2            | 3            | 0            | 0            | 0            | 0            | 8            | 28            |
| Dist of Columbia | 3          | 10         | 8            | 0            | 1            | 3            | 1            | 1            | 7            | 61            |
| Florida          | 9          | 20         | 52           | 5            | 12           | 12           | 6            | 4            | 30           | 305           |
| Georgia          | 4          | 14         | 46           | 4            | 11           | 13           | 4            | 44           | 30           | 287           |
| Hawaii           | 0          | 0          | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0             |
| Idaho            | 0          | 1          | 5            | 14           | 6            | 5            | 3            | 16           | 10           | 227           |
| Illinois         | 45         | 22         | 187          | 86           | 36           | 51           | 98           | 72           | 126          | 1,679         |
| Indiana          | 6          | 7          | 46           | 19           | 9            | 16           | 15           | 18           | 26           | 422           |
| Iowa             | 5          | 5          | 11           | 24           | 5            | 4            | 16           | 10           | 59           | 311           |
| Kansas           | 4          | 4          | 20           | 34           | 18           | 12           | 18           | 12           | 23           | 340           |
| Kentucky         | 2          | 4          | 13           | 1            | 0            | 1            | 5            | 9            | 9            | 129           |
| Louisiana        | 20         | 6          | 155          | 34           | 61           | 41           | 38           | 38           | 56           | 1,103         |
| Maine            | 0          | 0          | 1            | 0            | 0            | 1            | 0            | 0            | 1            | 3             |
| Maryland         | 17         | 10         | 25           | 11           | 6            | 31           | 6            | 5            | 35           | 259           |
| Massachusetts    | 6          | 5          | 25           | 7            | 5            | 7            | 10           | 5            | 42           | 156           |
| Michigan         | 25         | 32         | 141          | 24           | 1            | 16           | 42           | 32           | 80           | 1,102         |
| Minnesota        | 4          | 1          | 34           | 31           | 6            | 3            | 38           | 13           | 34           | 337           |
| Mississippi      | 3          | 31         | 103          | 27           | 26           | 25           | 27           | 46           | 31           | 777           |
| Missouri         | 3          | 6          | 17           | 24           | 10           | 23           | 9            | 17           | 17           | 463           |
| Montana          | 0          | 1          | 1            | 10           | 2            | 3            | 3            | 3            | 25           | 186           |
| Nebraska         | 10         | 14         | 42           | 54           | 41           | 19           | 35           | 19           | 124          | 782           |
| Nevada           | 0          | 12         | 5            | 8            | 3            | 4            | 13           | 31           | 3            | 172           |
| New Hampshire    | 1          | 0          | 1            | 1            | 0            | 0            | 0            | 0            | 0            | 5             |
| New Jersey       | 15         | 2          | 22           | 10           | 6            | 23           | 11           | 6            | 44           | 209           |
| New Mexico       | 21         | 4          | 24           | 24           | 19           | 12           | 6            | 23           | 5            | 317           |
| New York         | 89         | 28         | 61           | 18           | 19           | 42           | 20           | 45           | 77           | 717           |
| North Carolina   | 0          | 2          | 7            | 3            | 0            | 4            | 2            | 8            | 10           | 66            |
| North Dakota     | 2          | 1          | 39           | 64           | 12           | 10           | 24           | 20           | 60           | 414           |
| Ohio             | 4          | 10         | 76           | 21           | 10           | 23           | 12           | 23           | 45           | 738           |
| Oklahoma         | 1          | 1          | 103          | 60           | 9            | 49           | 21           | 34           | 12           | 493           |
| Oregon           | 0          | 0          | 0            | 7            | 7            | 0            | 2            | 3            | 2            | 40            |
| Pennsylvania     | 19         | 5          | 33           | 6            | 11           | 17           | 12           | 15           | 95           | 452           |
| Puerto Rico      | 0          | 0          | 1            | 0            | 0            | 0            | 0            | 0            | 0            | 1             |
| Rhode Island     | 0          | 1          | 2            | 1            | 0            | 0            | 2            | 1            | 0            | 15            |
| South Carolina   | 1          | 0          | 20           | 3            | 3            | 0            | 6            | 16           | 12           | 77            |
| South Dakota     | 4          | 0          | 62           | 57           | 12           | 11           | 35           | 27           | 47           | 568           |
| Tennessee        | 2          | 16         | 19           | 17           | 12           | 5            | 3            | 22           | 11           | 240           |
| Texas            | 77         | 20         | 844          | 113          | 253          | 196          | 252          | 87           | 108          | 3,366         |
| Utah             | 1          | 1          | 3            | 4            | 1            | 5            | 7            | 39           | 7            | 186           |
| Vermont          | 0          | 1          | 1            | 1            | 0            | 0            | 2            | 2            | 1            | 8             |
| Virginia         | 4          | 8          | 20           | 6            | 5            | 13           | 6            | 12           | 38           | 160           |
| Washington       | 1          | 0          | 4            | 0            | 7            | 8            | 8            | 10           | 2            | 68            |
| West Virginia    | 0          | 2          | 5            | 1            | 0            | 0            | 0            | 1            | 2            | 17            |
| Wisconsin        | 0          | 2          | 44           | 17           | 3            | 6            | 10           | 47           | 29           | 226           |
| Wyoming          | 2          | 1          | 3            | 16           | 0            | 3            | 8            | 4            | 3            | 182           |
| <b>Total</b>     | <b>629</b> | <b>486</b> | <b>2,873</b> | <b>1,267</b> | <b>1,347</b> | <b>1,455</b> | <b>1,309</b> | <b>1,425</b> | <b>1,658</b> | <b>24,657</b> |