

| County | 2007 | | 2008 | | 2009 | | 2010 to Date ¹ | |
|------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|---------------------------|------------------|
| | Number of Cases | Number of Deaths | Number of Cases | Number of Deaths | Number of Cases | Number of Deaths | Number of Cases | Number of Deaths |
| Adair | 2 | | 11 | | 2 | | | |
| Alfalfa | | | | | | | | |
| Atoka | 1 | | 3 | | 2 | | | |
| Beaver | | | | | | | | |
| Beckham | 1 | | | | 1 | | | |
| Blaine | | | | | 1 | | | |
| Bryan | 2 | | 2 | | 2 | | | |
| Caddo | 1 | | 1 | | | | | |
| Canadian | 3 | | 2 | | 1 | | | |
| Carter | 4 | | 4 | | 2 | | | |
| Cherokee | 3 | | | | 6 | | | |
| Choctaw | 2 | | 1 | | 2 | | | |
| Cimarron | | | | | | | | |
| Cleveland | 3 | | 9 | | 4 | | | |
| Coal | | | | | 1 | | | |
| Comanche | 2 | | 1 | | 2 | | | |
| Craig | 1 | | 3 | | 3 | | | |
| Creek | 5 | | 2 | | 9 | | | |
| Custer | | | | | 1 | | | |
| Delaware | 2 | | 7 | | 1 | | | |
| Ellis | | | | | | | | |
| Garfield | 1 | | 1 | | 4 | | | |
| Garvin | 2 | | 2 | | 3 | | | |
| Grady | 2 | | 4 | | 4 | | | |
| Grant | | | | | | | | |
| Greer | | | | | 1 | | | |
| Harmon | | | 1 | | | | | |
| Harper | | | | | | | | |
| Haskell | 6 | | 8 | | 7 | | | |
| Hughes | 1 | | 3 | | 1 | | | |
| Jackson | | | | | | | | |
| Jefferson | | | 1 | | 1 | | | |
| Johnston | | | | | 2 | | | |
| Kay | 2 | | | | 1 | | | |
| Kingfisher | | | 1 | | | | | |
| Kiowa | | | | | | | | |
| Latimer | 7 | | 7 | | 16 | | | |
| LeFlore | 11 | | 33 | | 36 | | 3 | |
| Lincoln | 1 | | 9 | | 6 | | | |
| Logan | | | 2 | | 3 | | | |
| Love | 1 | | | | | | | |
| McClain | 5 | | 4 | | 3 | | | |
| McCurtain | 1 | | 6 | | 9 | | | |
| McIntosh | 1 | | 4 | | 10 | | 1 | |

| | | | | | | | | |
|--------------|------------|----------|------------|----------|------------|----------|----------|----------|
| Major | 1 | | | | 1 | | | |
| Marshall | | | 2 | | | | | |
| Mayes | 7 | | | | 7 | | | |
| Murray | 1 | | 1 | | 1 | | | |
| Muskogee | 7 | | 8 | | 15 | | | |
| Noble | 1 | | 2 | | 1 | | | |
| Nowata | | | | | | | | |
| Okfuskee | | | 1 | | 4 | | | |
| Oklahoma | 13 | | 15 | | 23 | | | |
| Okmulgee | 3 | | 5 | | 5 | | | |
| Osage | 2 | | | | 4 | | | |
| Ottawa | 1 | | 7 | | 4 | | | |
| Pawnee | 1 | | 2 | | 5 | | | |
| Payne | 3 | | 3 | | 3 | | | |
| Pittsburg | 14 | | 17 | | 36 | | 3 | |
| Pontotoc | 1 | | 11 | | 6 | | | |
| Pottawatomie | 6 | | 5 | | 7 | | | |
| Pushmataha | 6 | | 13 | | 12 | | | |
| Roger Mills | | | | | | | | |
| Rogers | 6 | | 4 | | 3 | | | |
| Seminole | 2 | | 5 | | 3 | | | |
| Sequoyah | 8 | | 5 | | 4 | | | |
| Stephens | 1 | | 2 | | 8 | | | |
| Texas | | | 1 | | | | | |
| Tillman | | | | | | | | |
| Tulsa | 20 | | 21 | 1 | 33 | | 1 | |
| Wagoner | 4 | | 3 | | 9 | 1 | | |
| Washington | 2 | | | | 1 | | | |
| Washita | 2 | | | | | | | |
| Woods | | | | | | | | |
| Woodward | 1 | | 2 | | | | | |
| State | 186 | 0 | 267 | 1 | 342 | 1 | 8 | 0 |

¹ January 1st through May 31st, 2010

* Number of Reported Cases Investigated and Verified to meet Ehrlichiosis Clinical and Laboratory Surveillance Criteria by OSDH