Supplementary Table 1. Publications presenting data for numbers of *Amblyomma americanum* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Hooker et al. (1912) | US | 9 |  |  |  |  |  | **9** |
| Bradley and Connell (1938) | NJ | 1 |  |  |  |  |  | **1** |
| Parker et al. (1943) | TX |  |  |  |  | 2 |  | **2** |
| Cooley and Kohls (1944b) | AR, MO, MS, OK, TX |  | 32 |  |  | 29 |  | **61** |
| Riley (1944) | MN, OH |  |  | 2 |  |  |  | **2** |
| Bequaert (1945) | DE, MA, NJ, OH, PA |  |  | 5 |  | 1 |  | **6** |
| Bishopp and Trembley (1945) | US |  |  | 328 | 314 | 319 | 145 | **1,106** |
| MacCreary (1945) | DE |  |  |  |  | 1 |  | **1** |
| Carpenter et al. (1946) | GA, MS, SC |  |  | 73 | 61 | 32 |  | **166** |
| Rehn (1953) | NY |  |  | 1 |  |  |  | **1** |
| Sonenshine et al. (1965) | VA |  |  | 55 | 34 | 33 | 27 | **149** |
| Cooney and Hays (1972) | AL |  | 1 |  |  | 9 | 3 | **13** |
| Good (1973) | NY |  |  |  |  | 1 |  | **1** |
| Burgdorfer et al. (1975) | SC |  | 4 |  |  | 17 |  | **21** |
| Loving et al. (1978) | SC | 588 |  |  |  |  |  | **588** |
| Jones (1981) | NC |  |  |  |  |  | 12 | **12** |
| McKeon et al. (1982) | NY | 1 |  | 2 | 1 |  |  | **4** |
| Demaree (1986) | IN |  |  | 16 | 13 | 16 | 3 | **48** |
| Bode et al. (1987) | TX |  |  |  |  |  | 1 | **1** |
| Falco and Fish (1988 | NY |  |  |  |  | 2 |  | **2** |
| Slaff and Newton (1993) | NC |  |  | 1 | 1 | 1 |  | **3** |
| Campbell and Bowles (1994) | US | 1 |  | 41 | 38 | 68 | 10 | **158** |
| Felz et al. (1996) | GA, SC |  |  | 124 | 107 | 262 | 265 | **758** |
| Sood et al. (1997) | NY | 18 |  |  |  |  |  | **18** |
| Keirans and Lacombe (1998) | ME |  |  | 2 | 4 | 1 |  | **7** |
| Walker et al. (1998) | MI | 156 |  |  |  |  |  | **156** |
| Felz and Durden (1999) | GA, SC |  |  | 65 | 60 | 140 | 4 | **269** |
| Lang (1999) | CA |  |  | 3 |  |  |  | **3** |
| Merten and Durden (2000) | AR, CT, FL, GA, KS, KY, LA, MD, ME, MI, MO, MS, NC, NE, NH, NJ, NM, NY, OH, OK, RI, SC, TN, TX, VA, WI, WY |  |  | 36 | 52 | 283 | 139 | **510** |
| Armstrong et al. (2001) | MD |  | 554 |  |  | 775 | 148 | **1,477** |
| James et al. (2001) | US |  |  | 1 |  |  |  | **1** |
| Love et al. (2001) | US | 2 |  |  |  |  |  | **2** |
| Goddard (2002) | MS |  | 17 |  |  | 10 | 36 | **63** |
| Wormer et al. (2005) | MO | 3 |  |  |  |  |  | **3** |
| Schulze et al. (2006) | NJ | 169 |  |  |  |  |  | **169** |
| Billeter et al. (2007) | NC |  |  | 1 |  |  |  | **1** |
| Rand et al. (2007) | ME | 95 |  |  |  |  |  | **95** |
| Loftis et al. (2008) | AL, AR, DC, DE, FL, GA, IN, KS, KT/TN, LA, MD, MO, NC, NE, NJ, NY, OH, OK, PA, RI, SC, TX, VA | 5 |  | 426 | 421 | 983 |  | **1,835** |
| Reeves et al. (2008) | GA |  |  |  |  | 1 |  | **1** |
| Cohen et al. (2009) | GA | 1 | 237 |  |  | 180 |  | **418** |
| Murphree et al. (2009) | KY | 7 |  | 11 | 8 | 10 |  | **36** |
| Jiang et al. (2010) | VA (Boy Scout Jamboree only) | 120 |  |  |  |  |  | **120** |
| Williamson et al. (2010) | TX |  |  | 120 | 117 | 119 | 11 | **367** |
| Feder et al. (2011) | CT |  | 1 |  |  |  |  | **1** |
| Willen et al. (2011) | AL |  |  |  |  |  | 1 | **1** |
| Cortinas and Spomer (2014) | NE | 275 |  |  |  |  |  | **275** |
| Lee et al. (2014) | NC |  |  | 129 | 199 | 376 | 117 | **821** |
| Russart et al. (2014) | ND |  |  | 1 |  |  |  | **1** |
| Richards et al. (2015) | KY, NC, OH, TN, VA | 412 |  |  |  |  |  | **412** |
| Stromdahl et al. (2015)c | US (Years 1997-2010) | 18,546 |  |  |  |  |  | **18,546** |
| Stromdahl et al. (2015) | AL, AR, DE, FL, GA, KS, KY, MD, MO, NC, NJ, PA, RI, SC, TN, VA (Year 2013) | 1,097 |  |  |  |  |  | **1,097** |
| Durden et al. (2016) | AK |  |  |  | 2 | 1 |  | **3** |
| Gleim et al. (2016) | GA |  | 241 |  |  | 185 |  | **426** |
| McAllister et al. (2016) | AR |  |  | 7 | 3 | 8 | 2 | **20** |
| Mitchell et al. (2016) | TX |  |  | 209 | 155 | 219 | 8 | **591** |
| Goddard (2017) | MS |  |  |  | 1 |  |  | **1** |
| Herman-Giddens and  Herman-Giddens (2017) | NC |  | 101 |  |  | 280 |  | **381** |
| Jordan and Egizi (2019) | NJ | 1 |  | 387 | 562 | 1,835 | 186 | **2,971** |
| Pak et al. (2019) | PA | 19 |  | 40 | 33 | 77 | 17 | **186** |
| Porter et al. (2019) | CT, MA, ME, NH, NJ, NY, RI, PA, VT | 1 | 128 |  |  | 110 | 2 | **241** |
| Salkeld et al. (2019) | CA |  | 3 |  |  | 1 |  | **4** |
| Hahn et al. (2020) | AK |  | 4 |  |  | 3 |  | **7** |
| Hook et al. (2021) | CT, MD | 9 |  |  |  |  |  | **9** |
| Xu et al. (2021) | US | 1,167 |  |  |  |  |  | **1,167** |
| Kerr et al. (2022) | AL |  |  | 4 | 6 | 6 |  | **16** |
| Hart et al. (2022) | NY | 203 |  |  |  |  |  | **203** |
| **Total** |  | **22,906** | **1,323** | **2,090** | **2,192** | **6,396** | **1,137** | **36,044** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

cIncluding data also presented by Stromdahl et al. (2001, 2003) and Jiang et al. (2010) for *Amblyomma americanum* collected from humans and submitted to the Department of Defense, Human Tick Testing Program for parts of the overall study period.

Supplementary Table 2. Publications presenting data for numbers of *Amblyomma cajennense* sensu latoa collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  | 3 | 1 | 10 | 1 | **15** |
| Merten and Durden (2000) | CT, OR, TX |  | 2 |  | 1 |  | **3** |
| Williamson et al. (2010) | TX |  | 59 | 46 | 55 | 12 | **172** |
| Mitchell et al. (2016) | TX |  | 5 | 6 | 19 | 1 | **31** |
| Xu et al. (2021) | US | 1 |  |  |  |  | **1** |
| **Total** |  | **1** | **69** | **53** | **85** | **14** | **222** |

aAs noted by Nava et al. (2014a) and Guglielmone and Robbins (2018), there are unresolved questions regarding identification of *Amblyomma cajennense* versus *Amblyomma mixtum* in the US, and data for these closely related species in the *Am. cajennense* s.l. complex are therefore presented as *Am. cajennense* s.l. here.Guglielmone et al. (2020) consider *Am. mixtum* to be the only member of the *Am. cajennense* s.l. complex established in the US

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

Supplementary Table 3. Publications presenting data for numbers of *Amblyomma inornatum* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Merten and Durden (2000) | TX |  |  | 1 |  |  | **1** |
| Williamson et al. (2010) | TX | 2 |  |  |  |  | **2** |
| Mitchell et al. (2016) | TX | 1 |  |  |  |  | **1** |
| **Total** |  | **3** | **0** | **1** | **0** | **0** | **4** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 4. Publications presenting data for numbers of *Amblyomma maculatum* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Hooker et al. (1912) | US | 1 |  |  |  |  |  | **1** |
| Cooley and Kohls (1944b) | MS |  |  |  | 1 |  |  | **1** |
| Bishopp and Trembley (1945) | US |  |  | 6 | 1 |  |  | **7** |
| Carpenter et al. (1946) | GA, MS |  |  | 1 | 3 |  |  | **4** |
| Eads et al. (1956) | TX |  |  |  | 1 |  |  | **1** |
| Snetsinger (1968) | PA | 1 |  |  |  |  |  | **1** |
| Cooney and Hays (1972) | AL |  | 2 |  |  |  |  | **2** |
| Burgdorfer et al. (1975) | SC | 1 |  |  |  |  |  | **1** |
| Loving et al. (1978) | SC | 53 |  |  |  |  |  | **53** |
| Felz et al. (1996) | GA, SC |  |  | 2 | 7 |  |  | **9** |
| Harrison et al. (1997) | NC |  |  | 1 | 3 |  |  | **4** |
| Felz and Durden (1999) | GA, SC |  |  | 1 | 4 | 1 |  | **6** |
| Merten and Durden (2000) | AL, AR, FL, GA, MS, OK, SC, TX |  |  | 8 | 10 | 3 |  | **21** |
| Goddard (2002) | MS |  | 12 |  |  | 2 |  | **14** |
| Rand et al. (2007) | ME |  | 2 |  |  |  |  | **2** |
| Cohen et al. (2009) | GA | 19 |  |  |  |  |  | **19** |
| Williamson et al. (2010) | TX |  |  | 2 | 7 | 1 |  | **10** |
| Jiang et al. (2012) | AL, FL, GA, KS, KY, LA, MD, MS, NC, OK, VA |  |  | 27 | 24 |  |  | **51** |
| Cortinas and Spomer (2014) | NE |  |  |  | 1 |  |  | **1** |
| Lee et al. (2014) | NC |  | 8 |  |  |  |  | **8** |
| Gleim et al. (2016) | GA |  | 18 |  |  | 1 |  | **19** |
| McAllister et al. (2016) | AR |  |  |  | 1 |  |  | **1** |
| Mitchell et al. (2016) | TX |  |  | 22 | 29 | 6 |  | **57** |
| Pak et al. (2019) | PA | 1 |  | 1 | 1 |  |  | **3** |
| Xu et al. (2021) | US | 8 |  |  |  |  |  | **8** |
| Kerr et al. (2022) | AL |  |  | 18 | 13 |  |  | **31** |
| **Total** |  | **84** | **42** | **89** | **106** | **14** | **0** | **335** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 5. Publications presenting data for numbers of *Amblyomma tenellum*a collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage**  **not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Merten and Durden (2000) | TX |  | 2 |  | 2 |  | **4** |
| Mitchell et al. (2016) | TX | 1 |  |  |  |  | **1** |
| **Total** |  | **1** | **2** | **0** | **2** | **0** | **5** |

aIncluding records for *Amblyomma imitator*, which was relegated to a junior synonym of *Amblyomma tenellum* by Nava et al. (2014b).

bState level records may include tick exposures resulting from travel within the US.

Supplementary Table 6. Publications presenting data for numbers of *Amblyomma triste* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Mertins et al. (2010) | AZ | 3 |  |  |  | **3** |
| Herrick et al. (2016) | AZ | 2 | 4 |  |  | **6** |
| **Total** |  | **5** | **4** | **0** | **0** | **9** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 7. Publications presenting data for numbers of *Amblyomma tuberculatum* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Merten and Durden (2000) | FL, GA, MS |  |  |  | 97 | **97** |
| Goddard (2002) | MS |  |  |  | 12 | **12** |
| **Total** |  | **0** | **0** | **0** | **109** | **109** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 8. Publications presenting data for numbers of *Dermacentor albipictus*acollected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsc** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  |  |  | 1 |  |  | **1** |
| Sonenshine et al. (1965) | VA |  |  |  | 2 |  |  | **2** |
| Johnson (1966) | UT |  | 1 |  |  |  |  | **1** |
| Snetsinger (1968) | PA | 1 |  |  |  |  |  | **1** |
| Smith et al. (1992) | ME |  |  |  |  | 3 | 5 | **8** |
| Walker et al. (1998) | MI | 63 |  |  |  |  |  | **63** |
| Merten and Durden (2000) | AZ, ME, MN, MT, OR, UT |  |  | 9 | 6 |  | 5 | **20** |
| Goddard (2002) | MS |  |  |  |  |  | 2 | **2** |
| Rand et al. (2007) | ME | 347 |  |  |  |  |  | **347** |
| Williamson et al. (2010) | TX | 3 |  |  |  |  |  | **3** |
| Mitchell et al. (2016) | TX | 2 |  |  |  |  |  | **2** |
| Pak et al. (2019) | PA | 2 |  | 7 | 5 | 1 |  | **15** |
| **Total** |  | **418** | **1** | **16** | **14** | **4** | **12** | **465** |

aIncluding records for the synonym, *Dermacentor nigrolineatus*.

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

cNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 9. Publications presenting data for numbers of *Dermacentor andersoni*a collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsc** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Stiles (1910) | MT, WY | 17 |  |  |  |  |  | **17** |
| Hunter and Bishopp (1911a) | MT |  |  | 400 | 400 |  |  | **800** |
| Bassoe (1924) | CO | 1 |  |  |  |  |  | **1** |
| Barnett (1937) | ID | 1 |  |  |  |  |  | **1** |
| Augustson (1942) | CA |  |  | 1 | 1 |  |  | **2** |
| Bishopp and Trembley (1945) | US |  |  | 614 | 513 | 2 |  | **1,129** |
| Easton (1983) | SD | 2 |  |  |  |  |  | **2** |
| Furman and Loomis (1984) | CA | 8 | 40 |  |  |  |  | **48** |
| Keirans (1985) | MT |  |  | 1 | 2 |  |  | **3** |
| Campbell and Bowles (1994) | US | 1 |  | 8 | 7 |  |  | **16** |
| Walker et al. (1998) | MI | 2 |  |  |  |  |  | **2** |
| Dworkin et al. (1999) | WA | 14 |  |  |  |  |  | **14** |
| Merten and Durden (2000) | AZ, CA, CO, ID, MT, ND, NE, NM, NV, OR, SD, UT, WA, WY |  |  | 546 | 433 | 8 | 3 | **990** |
| James et al. (2006) | US | 422 |  |  |  |  |  | **422** |
| Williamson et al. (2010) | TX | 1 |  |  |  |  |  | **1** |
| Cortinas and Spomer (2014) | NE | 6 |  |  |  |  |  | **6** |
| Durden et al. (2016) | AK |  |  |  | 1 |  |  | **1** |
| Mitchell et al. (2016) | TX |  |  | 2 |  |  |  | **2** |
| Hahn et al. (2020) | AK |  | 1 |  |  |  |  | **1** |
| Xu et al. (2021) | US | 60 |  |  |  |  |  | **60** |
| **Total** |  | **535** | **41** | **1,572** | **1,357** | **10** | **3** | **3,518** |

aIncluding records for the synonym, *Dermacentor venustus*.

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

cNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 10. Publications presenting data for numbers of *Dermacentor hunteri* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Brinton and Kohls (1963) | MT, UT |  | 1 | 2 |  |  | **3** |
| Furman and Loomis (1984) | CA | 5 |  |  | 1 |  | **6** |
| Lang (1999) | CA |  |  | 1 |  |  | **1** |
| Merten and Durden (2000) | CA, UT |  | 11 | 4 |  |  | **15** |
| **Total** |  | **5** | **12** | **7** | **1** | **0** | **25** |

aState level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 11. Publications presenting data for numbers of *Dermacentor occidentalis* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Hooker et al. (1912) | US | 16 |  |  |  |  |  | **16** |
| Kohls (1937) | CA |  |  |  |  | 1 |  | **1** |
| Bishopp and Trembley (1945) | US |  |  | 81 | 59 |  |  | **140** |
| Furman and Loomis (1984) | CA | 4 | 108 |  |  | 7 | 2 | **121** |
| Lang (1999) | CA |  |  | 12 | 11 |  |  | **23** |
| Merten and Durden (2000) | CA, OR |  |  | 64 | 41 |  |  | **105** |
| Padgett et al. (2016) | CA |  |  | 28 | 18 | 117 | 8 | **171** |
| Salkeld et al. (2019) | CA |  | 140 |  |  | 1 |  | **141** |
| Xu et al. (2021) | US | 91 |  |  |  |  |  | **91** |
| **Total** |  | **111** | **248** | **185** | **129** | **126** | **10** | **809** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 12. Publications presenting data for numbers of *Dermacentor parumapertus* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Roscoe (1956) | UT |  |  | 1 |  |  | **1** |
| Johnson (1966) | UT | 1 |  |  | 1 |  | **2** |
| Furman and Loomis (1984) | CA | 1 |  |  |  |  | **1** |
| Merten and Durden (2000) | AZ, ID, WA |  | 1 | 1 | 1 |  | **3** |
| **Total** |  | **2** | **1** | **2** | **2** | **0** | **7** |

aState level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 13. Publications presenting data for numbers of *Dermacentor variabilis*a collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsc** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Hooker et al. (1912) | US | 2 |  |  |  |  |  | **2** |
| Katz (1941) | OH |  | 1 |  |  |  |  | **1** |
| Bequaert (1945) | MA, OH | 10 |  | 1 | 2 |  |  | **13** |
| Bishopp and Trembley (1945) | US |  |  | 70 | 48 |  |  | **118** |
| Carpenter et al. (1946) | AL, FL, GA, MS, NC, SC |  |  | 35 | 40 |  |  | **75** |
| Knipping et al. (1950) | WI |  | 45 | 16 | 21 |  |  | **82** |
| Eads et al. (1956) | TX |  |  | 1 | 1 |  |  | **2** |
| Sonenshine et al. (1965) | VA |  |  | 266 | 219 |  |  | **485** |
| Cooney and Hays (1972) | AL |  | 35 |  |  |  |  | **35** |
| Burgdorfer et al. (1975) | SC |  | 280 |  |  |  |  | **280** |
| Benach et al. (1977) | NY | 313 |  |  |  |  |  | **313** |
| Loving et al. (1978) | SC |  |  | 3,150 | 2,780 | 12 | 1 | **5,943** |
| Wallis et al. (1978) | CT | 57 |  |  |  |  |  | **57** |
| Magnarelli et al. (1979) | CT |  | 242 |  |  |  |  | **242** |
| Terry and Williams (1980) | IN |  |  |  | 1 |  |  | **1** |
| Easton (1983) | SD | 1 |  |  |  |  |  | **1** |
| Furman and Loomis (1984) | CA | 1 | 16 |  |  |  |  | **17** |
| Demaree (1986) | IN |  |  | 419 | 349 | 3 | 4 | **775** |
| Falco and Fish (1988) | NY |  |  | 19 | 7 |  |  | **26** |
| Magnarelli and Anderson (1989) | CT |  |  | 39 |  |  |  | **39** |
| Smith et al. (1992) | ME |  | 318 |  |  | 2 |  | **320** |
| Schwartz et al. (1993) | NY |  | 3 |  |  |  |  | **3** |
| Slaff and Newton (1993) | NC | 186 |  |  |  |  |  | **186** |
| Campbell and Bowles (1994) | US | 2 |  | 79 | 70 | 6 |  | **157** |
| Felz et al. (1996) | GA, SC |  |  | 59 | 44 | 1 |  | **104** |
| Sood et al. (1997) | NY | 42 |  |  |  |  |  | **42** |
| Walker et al. (1998) | MI | 1,302 |  |  |  |  |  | **1,302** |
| Felz and Durden (1999) | GA, SC |  |  | 35 | 32 | 4 |  | **71** |
| Lang (1999) | CA |  |  | 28 | 15 |  |  | **43** |
| Felz et al. (2000) | GA |  |  | 1 |  |  |  | **1** |
| Merten and Durden (2000) | AK, AR, AZ, CA, CO, FL, GA, IA, IL, IN, KS, KY, MA, MD, MI, MN, MS, MT, NC, ND, NE, NH, NJ, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, VA, WA, WI, WV |  |  | 160 | 140 | 1 |  | **301** |
| Armstrong et al. (2001) | MD |  | 19 |  |  |  |  | **19** |
| Goddard (2002) | MS |  | 11 |  |  |  |  | **11** |
| Schulze et al. (2006) | NJ | 47 |  |  |  |  |  | **47** |
| Rand et al. (2007) | ME | 3,870 |  |  |  |  |  | **3,870** |
| Reeves et al. (2007) | NC, TN |  |  | 3 | 2 |  |  | **5** |
| Murphree et al. (2009) | KY | 6 |  |  |  |  |  | **6** |
| Williamson et al. (2010) | TX |  |  | 103 | 73 | 2 |  | **178** |
| Stromdahl et al. (2011)d | US |  |  | 2,795 | 2,490 | 1 |  | **5,286** |
| Cortinas and Spomer (2014) | NE | 109 |  |  |  |  |  | **109** |
| Lee et al. (2014) | NC |  | 37 |  |  |  |  | **37** |
| Richards et al. (2015) | KY, NC, OH, TN, VA | 37 |  |  |  |  |  | **37** |
| Carter et al. (2016) | US |  |  |  | 1 |  |  | **1** |
| Durden et al. (2016) | AK |  |  | 4 | 1 | 1 |  | **6** |
| Gleim et al. (2016) | GA |  | 142 |  |  |  |  | **142** |
| McAllister et al. (2016) | AR |  |  | 3 |  |  |  | **3** |
| Mitchell et al. (2016) | TX |  |  | 90 | 63 | 4 |  | **157** |
| Herman-Giddens and  Herman-Giddens (2017) | NC | 27 |  |  |  |  |  | **27** |
| Karki et al. (2017) | US |  |  | 1 |  |  |  | **1** |
| Jordan and Egizi (2019) | NJ |  |  | 820 | 644 | 2 |  | **1,466** |
| Pak et al. (2019) | PA | 2 |  | 534 | 468 | 13 | 6 | **1,023** |
| Porter et al. (2019) | CT, MA, ME, NH, NJ, NY, RI, PA, VT |  | 1,371 |  |  | 17 |  | **1,388** |
| Salkeld et al. (2019) | CA |  | 448 |  |  | 3 |  | **451** |
| Hahn et al. (2020) | AK |  | 15 |  |  | 1 |  | **16** |
| Hook et al. (2021) | CT, MD | 75 |  |  |  |  |  | **75** |
| Xu et al. (2021) | US | 1,060 |  |  |  |  |  | **1,060** |
| Kerr et al. (2022) | AL |  |  | 4 | 3 |  |  | **7** |
| Hart et al. (2022) | NY |  | 159 |  |  |  |  | **159** |
| **Total** |  | **7,149** | **3,142** | **8,735** | **7,514** | **73** | **11** | **26,624** |

aRecords for *Dermacentor variabilis* in the far western United States may in part or entirely represent the recently described *Dermacentor similis* n. sp. (Lado et al., 2021).

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

cNumbers for adults are given only when data were not presented separately for females and males.

dIncluding data also presented by Stromdahl et al. (2001) for *Dermacentor variabilis* collected from humans and submitted to the Department of Defense, Human Tick Testing Program for part of the overall study period.

Supplementary Table 14. Publications presenting data for numbers of *Haemaphysalis chordeilis* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  | 1 |  |  |  | **1** |
| Hart et al. (2022) | NY | 4 |  |  |  |  | **4** |
| **Total** |  | **4** | **1** | **0** | **0** | **0** | **5** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

Supplementary Table 15. Publications presenting data for numbers of *Haemaphysalis leporispalustris* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Carpenter et al. (1946) | NC |  | 1 |  |  |  | **1** |
| Furman and Loomis (1984) | CA |  |  |  | 2 |  | **2** |
| Harrison et al. (1997) | NC |  |  |  | 1 |  | **1** |
| Walker et al. (1998) | MI | 12 |  |  |  |  | **12** |
| Rand et al. (2007) | ME | 10 |  |  |  |  | **10** |
| Durden et al. (2016) | AK |  |  |  | 1 |  | **1** |
| Hahn et al. (2020) | AK |  |  |  | 1 |  | **1** |
| Xu et al. (2021) | US | 2 |  |  |  |  | **2** |
| **Total** |  | **24** | **1** | **0** | **5** | **0** | **30** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

Supplementary Table 16. Publications presenting data for numbers of *Haemaphysalis longicornis* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humansb** | | | | | | |
| **Life stage not defined** | **Adultsc** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Beard et al. (2018) | Eastern US | 2 |  |  |  |  |  | **2** |
| Bickerton and Toledo (2020) | NJ |  |  |  |  |  | 8 | **8** |
| Wormser et al. (2020) | NY |  |  |  |  | 1 |  | **1** |
| Molaei et al. (2021) | CT |  | 1 | 1 |  | 2 | 10 | **14** |
| Xu et al. (2021) | US | 7 |  |  |  |  |  | **7** |
| **Total** |  | **9** | **1** | **1** | **0** | **3** | **18** | **32** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bApproximately 35 additional records of human infestation not yet presented in the peer-reviewed literature are included in the United States (US) Department of Agriculture, National *Haemaphysalis longicornis* (Asian longhorned tick) Situation Report (<https://www.aphis.usda.gov/animal_health/animal_diseases/tick/downloads/longhorned-tick-sitrep.pdf>).

cNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 17. Publications presenting data for numbers of *Ixodes affinis* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Xu et al. (2021) | US | 2 |  |  |  |  | **2** |
| **Total** |  | **2** | **0** | **0** | **0** | **0** | **2** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided.

Supplementary Table 18. Publications presenting data for numbers of *Ixodes angustus* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  |  | 3 |  |  |  | **3** |
| Cooley and Kohls (1945) | MT, WA |  |  | 2 |  |  |  | **2** |
| Cooley (1946) | OR, WA |  |  | 3 |  |  |  | **3** |
| Damrow et al. (1989) | WA |  |  | 1 |  |  |  | **1** |
| Robbins (1989) | AK, OR, WA |  |  | 8 |  |  |  | **8** |
| Walker et al. (1998) | MI | 2 |  |  |  |  |  | **2** |
| Merten and Durden (2000) | AK, WA |  |  | 16 |  | 1 |  | **17** |
| Durden et al. (2016) | AK |  |  | 1 |  | 1 |  | **2** |
| Pak et al. (2019) | PA | 1 |  |  |  |  |  | **1** |
| Xu et al. (2019) | CA, OR, WA |  | 4 |  |  | 17 |  | **21** |
| Hahn et al. (2020) | AK |  | 15 |  |  | 2 |  | **17** |
| Xu et al. (2021) | US | 55 |  |  |  |  |  | **55** |
| **Total** |  | **58** | **19** | **34** | **0** | **21** | **0** | **132** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 19. Publications presenting data for numbers of *Ixodes baergi* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Walker et al. (1998) | MI | 1 |  |  |  |  | **1** |
| **Total** |  | **1** | **0** | **0** | **0** | **0** | **1** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 20. Publications presenting data for numbers of *Ixodes banksi* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Walker et al. (1998) | MI | 1 |  |  |  |  | **1** |
| Merten and Durden (2000) | NY |  |  | 1 |  |  | **1** |
| **Total** |  | **1** | **0** | **1** | **0** | **0** | **2** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 21. Publications presenting data for numbers of *Ixodes brunneus* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Merten and Durden (2000) | SC | 1 |  |  |  | **1** |
| **Total** |  | **1** | **0** | **0** | **0** | **1** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 22. Publications presenting data for numbers of *Ixodes cookei*a collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsc** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Fitch (1872) | NY | 2 |  |  |  |  |  | **2** |
| Hamilton (1934) | NY | 1 |  |  |  |  |  | **1** |
| Cooley and Kohls (1938) | NY | 2 |  |  |  |  |  | **2** |
| Bequaert (1945) | MA, ME, NH, NY, VT | 2 |  | 5 |  | 3 |  | **10** |
| Bishopp and Trembley (1945) | US |  |  | 8 |  | 5 |  | **13** |
| Cooley and Kohls (1945) | VT |  | 1 |  |  |  |  | **1** |
| Eads et al. (1956) | TX |  |  | 1 |  | 1 |  | **2** |
| Demaree (1986) | IN |  |  | 1 |  |  |  | **1** |
| Magnarelli and Anderson (1989) | CT |  |  |  |  | 4 |  | **4** |
| Hall et al. (1991) | VW |  |  | 2 |  | 33 | 2 | **37** |
| Smith et al. (1992) | ME |  | 27 |  |  | 179 | 24 | **230** |
| Campbell and Bowles (1994) | US |  |  |  |  | 2 | 1 | **3** |
| Harrison et al. (1997) | NC |  |  |  |  | 4 |  | **4** |
| Sood et al. (1997) | NY | 1 |  |  |  |  |  | **1** |
| Walker et al. (1998) | MI | 103 |  |  |  |  |  | **103** |
| Merten and Durden (2000) | CT, KS, ME, NH, NY, PA, TX, VT |  |  | 5 |  | 11 | 3 | **19** |
| Nadelman et al. (2001) | NY | 1 |  |  |  |  |  | **1** |
| Rand et al. (2007) | ME | 1,554 |  |  |  |  |  | **1,554** |
| Jordan and Egizi (2019) | NJ |  |  |  |  | 1 |  | **1** |
| Pak et al. (2019) | PA | 6 |  | 76 | 4 | 268 | 9 | **363** |
| Smith et al. (2019) | ME |  |  |  |  | 1 |  | **1** |
| Xu et al. (2019) | CA, OR, WA |  |  |  |  | 1 |  | **1** |
| Xu et al. (2021) | US | 123 |  |  |  |  |  | **123** |
| Hart et al. (2022) | NY | 17 |  |  |  |  |  | **17** |
| **Total** |  | **1,812** | **28** | **98** | **4** | **513** | **39** | **2,494** |

aIncluding records for the synonyms, *Ixodes cruciarius* and *Ixodes hexagenia* var. *cookei***.**

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

cNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 23. Publications presenting data for numbers of *Ixodes dentatus* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Sollers (1955) | DC |  |  |  | 1 |  | **1** |
| Hall et al. (1991) | VW |  |  |  | 5 |  | **5** |
| Walker et al. (1992) | MI |  |  |  | 1 |  | **1** |
| Anderson et al. (1996) | CT |  |  |  | 1 |  | **1** |
| Harrison et al. (1997) | NC |  |  |  | 2 | 1 | **3** |
| Sood et al. (1997) | NY | 5 |  |  |  |  | **5** |
| Keirans and Lacombe (1998) | ME |  |  |  | 1 |  | **1** |
| Walker et al. (1998) | MI | 7 |  |  |  |  | **7** |
| Merten and Durden (2000) | ME, MI, WV |  |  |  | 4 |  | **4** |
| Armstrong et al. (2001) | MD |  |  |  | 8 |  | **8** |
| Rand et al. (2007) | ME | 3 |  |  |  |  | **3** |
| Jordan and Egizi (2019) | NJ |  |  |  | 1 |  | **1** |
| Pak et al. (2019) | PA | 2 | 4 | 3 | 67 | 1 | **77** |
| Xu et al. (2021) | US | 48 |  |  |  |  | **48** |
| **Total** |  | **65** | **4** | **3** | **91** | **2** | **165** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

Supplementary Table 24. Publications presenting data for numbers of *Ixodes kingi* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Merten and Durden (2000) | KS, NE, NM |  | 1 |  | 3 |  | **4** |
| Cortinas and Spomer (2014) | NE | 1 |  |  |  |  | **1** |
| **Total** |  | **1** | **1** | **0** | **3** | **0** | **5** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 25. Publications presenting data for numbers of *Ixodes marxi* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Smith et al. (1992) | ME |  | 5 |  |  | 15 |  | **20** |
| Walker et al. (1998) | MI | 17 |  |  |  |  |  | **17** |
| Merten and Durden (2000) | OH, VT |  |  | 2 |  |  |  | **2** |
| Rand et al. (2007) | ME | 141 |  |  |  |  |  | **141** |
| Pak et al. (2019) | PA |  |  | 12 |  | 10 | 2 | **24** |
| Xu et al. (2021) | US | 26 |  |  |  |  |  | **26** |
| Hart et al. (2022) | NY | 2 |  |  |  |  |  | 2 |
| **Total** |  | **186** | **5** | **14** | **0** | **25** | **2** | **232** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 26. Publications presenting data for numbers of *Ixodes muris* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  |  |  |  | 1 |  | **1** |
| Anastos (1947) | NY |  |  |  |  | 1 | 1 | **2** |
| Good (1973) | NY |  |  |  |  | 3 |  | **3** |
| Smith et al. (1992) | ME |  | 7 |  |  | 1 |  | **8** |
| Walker et al. (1998) | MI | 22 |  |  |  |  |  | **22** |
| Lacombe et al. (1999) | ME |  | 17 |  |  | 1 |  | **18** |
| Merten and Durden (2000) | NY, PA, RI |  |  | 2 |  | 6 |  | **8** |
| Rand et al. (2007) | ME | 39 |  |  |  |  |  | **39** |
| Pak et al. (2019) | PA |  |  | 1 |  |  |  | **1** |
| Xu et al. (2021) | US | 9 |  |  |  |  |  | **9** |
| Hart et al. (2022) | NY | 102 |  |  |  |  |  | **102** |
| **Total** |  | **172** | **24** | **3** | **0** | **13** | **1** | **213** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 27. Publications presenting data for numbers of *Ixodes pacificus*a collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsc** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  |  | 36 | 14 |  |  | **50** |
| Cooley and Kohls (1945) | CA, OR |  | 1 | 7 | 2 |  |  | **10** |
| Edmunds (1951) | UT | 1 |  |  |  |  |  | **1** |
| Holdenreid et al. (1951) | CA |  |  | 1 |  | 1 |  | **2** |
| Beck (1955a) | UT | 1 |  | 1 |  |  |  | **2** |
| Allred et al. (1960) | UT |  |  | 1 |  |  |  | **1** |
| Johnson (1966) | UT |  | 1 |  |  |  |  | **1** |
| Arthur and Snow (1968) | CA, OR, UT, WA | 47 |  |  |  |  |  | **47** |
| Lane et al. (1982) | CA |  |  | 1 |  |  |  | **1** |
| Furman and Loomis (1984) | CA |  | 52 |  |  | 8 | 1 | **61** |
| Monsen et al. (1992) | CA |  |  | 23 |  | 4 | 6 | **33** |
| Campbell and Bowles (1994) | US | 1 |  | 7 |  |  |  | **8** |
| Clover and Lane (1995) | CA |  | 452 |  |  | 121 |  | **573** |
| Walker et al. (1998) | MI | 2 |  |  |  |  |  | **2** |
| Lang (1999) | CA |  |  | 59 | 1 | 2 |  | **62** |
| Merten and Durden (2000) | CA, CO, OR, UT, WA |  |  | 91 | 31 | 1 |  | **123** |
| Stromdahl et al. (2015) | US | 12 |  |  |  |  |  | **12** |
| Salkeld et al. (2019) | CA |  | 1,084 |  |  | 190 | 17 | **1,291** |
| Xu et al. (2019) | CA, OR, WA |  | 322 |  |  | 57 | 2 | **381** |
| Xu et al. (2021) | US | 1,497 |  |  |  |  |  | **1,497** |
| **Total** |  | **1,561** | **1,912** | **227** | **48** | **384** | **26** | **4,158** |

aIncluding records for the synonym, *Ixodes ricinus californicus*.

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

cNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 28. Publications presenting data for numbers of *Ixodes rugosus* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Furman and Loomis (1984) | CA | 1 |  |  |  |  | **1** |
| **Total** |  | **1** | **0** | **0** | **0** | **0** | **1** |

aState level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 29. Publications presenting data for numbers of *Ixodes scapularis*a collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsc** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bequaert (1945) | US |  |  | 1 |  |  |  | **1** |
| Bishopp and Trembley (1945) | US |  |  | 29 | 19 | 4 |  | **52** |
| Cooley and Kohls (1945) | MO |  |  | 1 |  |  |  | **1** |
| Carpenter et al. (1946) | FL, GA, MS, SC |  |  | 28 | 12 | 2 |  | **42** |
| Anastos (1947) | NY |  |  | 1 |  |  |  | **1** |
| Eads et al. (1956) | TX |  |  |  | 2 |  |  | **2** |
| Loving et al. (1978) | SC | 36 |  |  |  |  |  | **36** |
| Steere et al. (1978) | CT |  |  |  |  | 1 |  | **1** |
| Wallis et al. (1978) | CT | 41 |  |  |  |  |  | **41** |
| Spielman et al. (1979) | CT, MA, NY |  |  | 4 | 2 | 3 |  | **9** |
| Steere and Malawista (1979) | Eastern US |  |  |  |  | 6 |  | **6** |
| Falco and Fish (1988) | NY |  |  | 49 |  | 46 | 1 | **96** |
| Costello et al. (1989) | CT | 48 |  |  |  |  |  | **48** |
| Magnarelli and Anderson (1989) | CT |  |  | 16 | 2 | 19 | 5 | **42** |
| Shapiro et al. (1992) | CT | 11 | 83 |  |  | 234 | 27 | **355** |
| Smith et al. (1992) | ME |  | 102 |  |  | 19 | 2 | **123** |
| Schwartz et al. (1993) | NY |  | 42 |  |  | 55 | 3 | **100** |
| Campbell and Bowles (1994) | US | 2 |  | 28 |  | 10 | 2 | **42** |
| Yeh et al. (1995) | PA, RI |  |  | 128 |  | 377 |  | **505** |
| Anderson et al. (1996) | CT, NJ, NY |  |  | 22 | 2 | 15 |  | **39** |
| Falco et al. (1996) | NY |  |  | 300 |  | 444 |  | **744** |
| Felz et al. (1996) | GA, SC |  |  | 28 | 7 | 1 |  | **36** |
| Sood et al. (1997) | NY |  |  | 107 | 1 | 104 | 17 | **229** |
| Walker et al. (1998) | MI | 121 |  |  |  |  |  | **121** |
| Felz and Durden (1999) | GA, SC |  |  | 16 | 3 | 2 |  | **21** |
| Merten and Durden (2000) | AL, AR, CT, FL, GA, IN, KS, MA, MD, ME, MI, MO, MS, NC, ND, NH, NJ, NY, OH, SC, TX, VT, WI |  |  | 128 | 57 | 8 | 7 | **200** |
| Armstrong et al. (2001) | MD |  | 16 |  |  | 36 |  | **52** |
| Nadelman et al. (2001) | NY |  |  | 197 | 1 | 266 | 18 | **482** |
| Goddard (2002) | MS |  | 11 |  |  |  |  | **11** |
| Schulze et al. (2006) | NJ | 218 |  |  |  |  |  | **218** |
| Rand et al. (2007) | ME | 6,704 |  |  |  |  |  | **6,704** |
| Williamson et al. (2010) | TX |  |  | 63 | 4 | 9 |  | **76** |
| Lee et al. (2014) | NC |  | 8 |  |  |  |  | **8** |
| Richards et al. (2015) | NC, OH | 3 |  |  |  |  |  | **3** |
| Stromdahl et al. (2014)d | Eastern US | 4,697 | 853 |  |  | 1,128 |  | **6,678** |
| Gleim et al. (2016) | GA |  | 7 |  |  |  |  | **7** |
| McAllister et al. (2016) | TX |  |  | 21 | 9 |  |  | **30** |
| Mitchell et al. (2016) | TX |  |  | 52 | 1 | 6 |  | **59** |
| Xu et al. (2016) | MA | 79 | 1,540 |  |  | 343 |  | **1,962** |
| Cavanaugh et al. (2017) | US | 1 |  |  |  |  |  | **1** |
| Herman-Giddens and  Herman-Giddens (2017) | NC |  |  | 1 |  | 3 |  | **4** |
| Oliver et al. (2017) | IA | 3 |  | 646 | 52 | 605 | 132 | **1,438** |
| Soghigian et al. (2017) | CT |  |  | 1 |  |  |  | **1** |
| Jordan and Egizi (2019) | NJ |  |  | 1,357 | 18 | 1,396 | 89 | **2,860** |
| Little et al. (2019) | CT |  |  | 48,747 | 1,027 | 39,236 | 2,399 | **91,409** |
| Pak et al. (2019) | PA | 15 |  | 721 | 21 | 253 | 13 | **1,023** |
| Porter et al. (2019) | CT, MA, ME, NH, NJ, NY, RI, PA, VT | 9 | 1,554 |  |  | 938 | 73 | **2,574** |
| Smith et al. (2019) | ME |  |  | 164 |  | 25 |  | **189** |
| Xu et al. (2019) | CA, OR, WA |  | 56 |  |  | 47 | 8 | **111** |
| Hahn et al. (2020) | AK |  | 2 |  |  |  |  | **2** |
| Little and Molaei (2020) | CT (Year 2018 only) |  | 2,047 |  |  | 840 |  | **2,887** |
| Feder et al. (2021) | CT |  |  | 1 |  |  |  | **1** |
| Hook et al. (2021) | CT, MD | 104 |  |  |  |  |  | **104** |
| Xu et al. (2021) | US | 34,621 |  |  |  |  |  | **34,621** |
| Kerr et al. (2022) | AL |  |  | 3 |  |  |  | **3** |
| Hart et al. (2022) | NY | 1,592 |  |  |  |  |  | **1,592** |
| Khalil et al. (2022) | CT |  |  | 5 |  |  |  | **5** |
| **Total** |  | **48,305** | **6,321** | **52,865** | **1,240** | **46,481** | **2,796** | **158,008** |

aIncluding records for the synonyms, *Ixodes dammini* and *Ixodes ricinus scapularis*.

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

cNumbers for adults are given only when data were not presented separately for females and males.

dIncluding data also presented by Stromdahl et al. (2001) for *Ixodes scapularis* collected from humans and submitted to the Department of Defense, Human Tick Testing Program for part of the overall study period.

Supplementary Table 30. Publications presenting data for numbers of *Ixodes sculptus* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  |  |  |  | 2 |  | **2** |
| Furman and Loomis (1984) | CA |  | 1 |  |  |  |  | **1** |
| Walker et al. (1998) | MI | 1 |  |  |  |  |  | **1** |
| Merten and Durden (2000) | CO |  |  |  |  | 1 |  | **1** |
| **Total** |  | **1** | **1** | **0** | **0** | **3** | **0** | **5** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 31. Publications presenting data for numbers of *Ixodes spinipalpis* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Cooley and Kohls (1945) | OR |  |  | 1 |  |  |  | **1** |
| Merten and Durden (2000) | MT, OR, WA |  |  | 11 |  | 6 |  | **17** |
| Salkeld et al. (2019) | CA |  | 1 |  |  |  |  | **1** |
| Xu et al. (2019) | CA, OR, WA |  |  |  |  | 28 |  | **28** |
| Xu et al. (2021) | US | 63 |  |  |  |  |  | **63** |
| **Total** |  | **63** | **1** | **12** | **0** | **34** | **0** | **110** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 32. Publications presenting data for numbers of *Ixodes texanus* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Hall et al. (1991) | VW |  |  |  | 3 | **3** |
| Merten and Durden (2000) | OH, WV | 1 |  |  | 2 | **3** |
| **Total** |  | **1** | **0** | **0** | **5** | **6** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 33. Publications presenting data for numbers of *Ixodes uriae* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Keirans and Lacombe (1998) | ME |  |  |  |  | 2 |  | **2** |
| Merten and Durden (2000) | AK, ME |  |  | 1 |  | 2 |  | **3** |
| Smith et al. (2006) | ME | 215 |  |  |  |  |  | **215** |
| Rand et al. (2007) | ME | 2 |  |  |  |  |  | **2** |
| Hahn et al. (2020) | AK |  | 1 |  |  | 1 |  | **2** |
| **Total** |  | **217** | **1** | **1** | **0** | **5** | **0** | **224** |

aState level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 34. Publications presenting data for numbers of *Ixodes woodi* collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Robbins (1989) | WY |  |  |  | 1 |  | **1** |
| Merten and Durden (2000) | WY |  |  |  | 1 |  | **1** |
| Mitchell et al. (2016) | TX | 1 |  |  |  |  | **1** |
| **Total** |  | **1** | **0** | **0** | **2** | **0** | **3** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 35. Publications presenting data for numbers of *Rhipicephalus annulatus*a collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Hunter and Hooker (1907) | TX | 1 | 1 |  |  | **2** |
| Merten and Durden (2000) | TX |  | 1 |  |  | **1** |
| **Total** |  | **1** | **2** | **0** | **0** | **3** |

aIncluding records for the synonyms, *Margaropus annulatus* and *Boophilus annulatus*.

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

Supplementary Table 36. Publications presenting data for numbers of *Rhipicephalus sanguineus* sensu lato collected while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  |  | 8 | 3 | 6 | 4 | **21** |
| Carpenter et al. (1946) | FL, GA |  |  | 1 |  | 1 |  | **2** |
| Helms (1952) | NE |  |  | 1 |  |  |  | **1** |
| Philip (1952) | AZ, IA |  |  | 3 |  | 1 |  | **4** |
| Eads et al. (1956) | TX |  |  |  |  | 2 |  | **2** |
| Nelson (1969) | US | 14 |  |  |  |  |  | **14** |
| Cooney and Hays (1972) | AL |  |  |  | 1 |  |  | **1** |
| Burgdorfer et al. (1975) | SC | 2 | 2 |  |  |  |  | **4** |
| Loving et al. (1978) | SC | 141 |  |  |  |  |  | **141** |
| Furman and Loomis (1984) | CA |  | 1 |  |  | 1 |  | **2** |
| Demaree (1986) | IN |  |  |  | 1 |  |  | **1** |
| Goddard (1989) | OK, TX | 4 |  | 7 | 4 |  |  | **15** |
| Carpenter et al. (1990) | FL, OK, TX |  |  | 2 | 1 | 7 |  | **10** |
| Slaff and Newton (1993) | NC |  |  |  |  | 9 |  | **9** |
| Campbell and Bowles (1994) | US |  |  | 6 | 6 | 21 | 1 | **34** |
| Felz et al. (1996) | GA, SC | 2 |  | 1 | 3 |  |  | **6** |
| Harrison et al. (1997) | NC | 19 |  | 2 |  | 10 | 12 | **43** |
| Sood et al. (1997) | NY | 8 |  |  |  |  |  | **8** |
| Walker et al. (1998) | MI | 15 |  |  |  |  |  | **15** |
| Merten and Durden (2000) | AZ, CA, FL, IA, MI, MS, OK, SC, TX |  |  | 11 | 8 | 19 |  | **38** |
| Goddard (2002) | MS |  | 1 |  |  | 4 |  | **5** |
| Schulze et al. (2006) | NJ | 1 |  |  |  |  |  | **1** |
| Rand et al. (2007) | ME | 18 |  |  |  |  |  | **18** |
| Williamson et al. (2010) | TX |  |  | 43 | 23 | 20 | 1 | **87** |
| Stromdahl et al. (2011) | Eastern US |  |  | 13 | 10 | 32 |  | **55** |
| Cortinas and Spomer (2014) | NE | 5 |  |  |  |  |  | **5** |
| Richards et al. (2015) | OH, VA | 2 |  |  |  |  |  | **2** |
| Durden et al. (2016) | AK |  |  | 1 |  |  |  | **1** |
| Mitchell et al. (2016) | TX | 137 |  |  |  |  |  | **137** |
| Jordan and Egizi (2019) | NJ |  |  |  | 1 |  |  | **1** |
| Pak et al. (2019) | PA |  |  | 2 | 3 | 2 |  | **7** |
| Salkeld et al. (2019) | CA |  | 5 |  |  | 3 |  | **8** |
| Hahn et al. (2020) | AK |  | 1 |  |  |  |  | **1** |
| Xu et al. (2021) | US | 15 |  |  |  |  |  | **15** |
| **Total** |  | **383** | **10** | **101** | **64** | **138** | **18** | **714** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 37. Publications presenting data for numbers of *Argas miniatus* collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Bishopp and Trembley (1945) | US |  |  | 1 |  | **1** |
| Merten and Durden (2000) | TX |  |  | 1 |  | **1** |
| **Total** |  | **0** | **0** | **2** | **0** | **2** |

aGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

Supplementary Table 38. Publications presenting data for numbers of *Argas monolakensis*a collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Schwan and Winkler (1984) | CA | 17 | 6 | 18 |  | **41** |
| **Total** |  | **17** | **6** | **18** | **0** | **41** |

aThe ticks were initially described as *Argas cooleyi* by Schwan and Winkler (1984) but later redescribed as a new species, *Argas monolakensis* by Schwan et al. (1992).

bState level records may include tick exposures resulting from travel within the US.

Supplementary Table 39. Publications presenting data for numbers of *Argas sanchezi* collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | |
| **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Furman and Loomis (1984) | CA | 1 |  |  | 1 |  | **2** |
| Merten and Durden (2000) | CA |  |  |  | 1 |  | **1** |
| **Total** |  | **1** | **0** | **0** | **2** | **0** | **3** |

aState level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 40. Publications presenting data for numbers of *Ornithodoros capensis*acollected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Merten and Durden (2000) | HI |  |  | 3 |  | **3** |
| **Total** |  | **0** | **0** | **3** | **0** | **3** |

aBased on taxonomic nomenclature presented by Guglielmone et al. (2010). Some other authors (see Mans et al., 2019) refer to *Ornithodoros capensis* as *Carios capensis*.

bState level records may include tick exposures resulting from travel within the US.

Supplementary Table 41. Publications presenting data for numbers of *Ornithodoros concanensisa* collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Easton (1983) | SD | 1 |  |  |  |  | **1** |
| Merten and Durden (2000) | KS, SD |  |  | 2 |  |  | **2** |
| **Total** |  | **1** | **0** | **2** | **0** | **0** | **3** |

aBased on taxonomic nomenclature presented by Guglielmone et al. (2010). Some other authors (see Mans et al., 2019) refer to *Ornithodoros concanensis* as *Carios concanensis*.

bState level records may include tick exposures resulting from travel within the US.

Supplementary Table 42. Publications presenting data for numbers of *Ornithodoros coriaceus* collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Ryckman et al. (1955); Waldron (1962) | CA |  | 1 |  |  | 3 | 1 | **5** |
| Furman and Loomis (1984) | CA | 45 |  |  |  |  | 1 | **46** |
| Merten and Durden (2000) | CA |  |  | 3 |  | 1 |  | **4** |
| **Total** |  | **45** | **1** | **3** | **0** | **4** | **2** | **55** |

aState level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 43. Publications presenting data for numbers of *Ornithodoros hermsi* collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Philp and Davis (1940) | ID |  |  | 1 |  | **1** |
| Schwan and Winkler (1984) | CA | 2 | 2 | 30 |  | **34** |
| Merten and Durden (2000) | CA, ID | 1 |  | 2 |  | **3** |
| **Total** |  | **3** | **2** | **33** | **0** | **38** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 44. Publications presenting data for numbers of *Ornithodoros kelleyi*acollected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Walker et al. (1998) | MI | 1 |  |  |  |  | **1** |
| Merten and Durden (2000) | IA |  |  |  | 1 |  | **1** |
| Gill et al. (2004) | IA |  |  |  | 1 |  | **1** |
| **Total** |  | **1** | **0** | **0** | **2** | **0** | **3** |

aBased on taxonomic nomenclature presented by Guglielmone et al. (2010). Some other authors (see Mans et al., 2019) refer to *Ornithodoros kelleyi* as *Carios kelleyi*. The records presented by Gill et al. (2004) used the synonym, *Carios kelleyi*.

bState level records may include tick exposures resulting from travel within the US.

Supplementary Table 45. Publications presenting data for numbers of *Ornithodoros parkeri* collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | | | |
| **Life stage not defined** | **Adultsb** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Cooley and Kohls (1944a) | CA |  | 1 |  |  |  |  | **1** |
| Furman and Loomis (1984) | CA | 1 |  |  |  |  |  | **1** |
| Merten and Durden (2000) | CA |  |  | 1 | 1 |  |  | **2** |
| **Total** |  | **1** | **1** | **1** | **1** | **0** | **0** | **4** |

aState level records may include tick exposures resulting from travel within the US.

bNumbers for adults are given only when data were not presented separately for females and males.

Supplementary Table 46. Publications presenting data for numbers of *Ornithodoros stageri*a collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Cooley and Kohls (1944a) | US | 2c |  |  |  |  | **2** |
| Merten and Durden (2000) | TX |  | 1 |  |  |  | **1** |
| **Total** |  | **2** | **1** | **0** | **0** | **0** | **3** |

aBased on taxonomic nomenclature presented by Guglielmone et al. (2010). Some other authors (see Mans et al., 2019) refer to *Ornithodoros stageri* as *Carios stageri*.

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.

cDescribed in the publication as “several bites” and conservatively listed here as 2 specimens.

Supplementary Table 47. Publications presenting data for numbers of *Ornithodoros turicata* collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Merten and Durden (2000) | TX |  |  | 4 | 1 | **5** |
| **Total** |  | **0** | **0** | **4** | **1** | **5** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 48. Publications presenting data for numbers of *Otobius lagophilus* collected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areaa** | **Number of ticks recorded to infest humans** | | | | |
| **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Merten and Durden (2000) | NM |  |  |  | 1 | **1** |
| **Total** |  | **0** | **0** | **0** | **1** | **1** |

aState level records may include tick exposures resulting from travel within the US.

Supplementary Table 49. Publications presenting data for numbers of *Otobius megnini*acollected from bedding or while crawling on or biting humans in the United States (US).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Geographical areab** | **Number of ticks recorded to infest humans** | | | | | |
| **Life stage not defined** | **Females** | **Males** | **Nymphs** | **Larvae** | **All ticks** |
| Simpson and Wheeler (1901) | AZ |  |  |  | 2 |  | **2** |
| Hunter and Hooker (1907); Hooker et al. (1912) | TX | 2 |  |  |  |  | **2** |
| Herms (1917) | CA | 1 |  |  |  |  | **1** |
| Cooley and Kohls (1944a) | NV, OR |  |  |  | 2 |  | **2** |
| Bishopp and Trembley (1945) | US |  |  |  | 6 | 1 | **7** |
| Ryckman et al. (1955) | CA |  | 1 |  |  |  | **1** |
| Eads et al. (1956) | TX |  |  |  | 2 | 3 | **5** |
| Jensen et al. (1982) | UT |  |  |  |  | 1 | **1** |
| Eads and Campos (1984) | NM | 1 | 2 | 4 |  |  | **7** |
| Furman and Loomis (1984) | CA |  |  |  | 8 | 1 | **9** |
| Harrison et al. (1997) | NC |  |  |  | 1 |  | **1** |
| Walker et al. (1998) | MI | 1 |  |  |  |  | **1** |
| Merten and Durden (2000) | AZ, CO, NM, NV, NY, OR, TX |  | 1 | 1 | 15 | 1 | **18** |
| Williamson et al. (2010) | TX | 7 |  |  |  |  | **7** |
| Cortinas and Spomer (2014) | NE | 1 |  |  |  |  | **1** |
| Mitchell et al. (2016) | TX | 3 |  |  |  |  | **3** |
| Salkeld et al. (2019) | CA | 1 |  |  |  |  | **1** |
| **Total** |  | **17** | **4** | **5** | **36** | **7** | **69** |

aIncluding records for the synonyms, *Argas* *megnini* and *Ornithodoros megnini*.

bGeographical area listed by state(s), or a larger geographical area if state level data were not provided. State level records may include tick exposures resulting from travel within the US.