

Summary of Tick Testing for 2019

A total of 4,661 ticks were submitted by residents, health departments, and physicians' offices for identification in 2019. Of these, 3,517* were tested for evidence of infection with *Borrelia burgdorferi*, the causative organism for Lyme disease, and 1,256 (35.7%) were found positive. The table below depicts the scientific and common names of the tick species and number of specimens.

| Scientific Name | Common Name | Number of Ticks (%) |
|-----------------------------------|---------------------------------------|---------------------|
| <i>Ixodes scapularis</i> | blacklegged or deer tick | 3,760 (80.67%) |
| <i>Dermacentor variabilis</i> | American dog tick | 749 (16.07%) |
| <i>Amblyomma americanum</i> | lone star tick | 145 (3.11%) |
| <i>Ixodes cookei</i> | woodchuck tick | 3 (0.06%) |
| <i>A tick of the genus Ixodes</i> | exact species could not be determined | 2 (0.04%) |
| <i>Ixodes dentatus</i> | a tick usually found on rabbits | 1 (0.02%) |
| <i>Rhipicephalus sanguineus</i> | brown dog tick | 1 (0.02%) |

Testing for additional tick-borne pathogens was established at the Tick Testing Laboratory in 2015. Blacklegged (or deer) ticks that were tested for the Lyme disease agent were also examined for evidence of infection with *Anaplasma phagocytophilum* and *Babesia microti*, the causative agents for anaplasmosis and babesiosis, respectively. The table below shows the percentage of blacklegged ticks infected with each pathogen, as well as the percentage of ticks co-infected with two or three pathogens.

| Pathogen | Ticks Infected (%) |
|---------------------------------------|--------------------|
| <i>Borrelia burgdorferi</i> | 1,256 (35.7%) |
| <i>Anaplasma phagocytophilum</i> | 304 (8.6%) |
| <i>Babesia microti</i> | 330 (9.4%) |
| <i>Borrelia + Anaplasma</i> | 157 (4.5%) |
| <i>Borrelia + Babesia</i> | 178 (5.1%) |
| <i>Anaplasma + Babesia</i> | 43 (1.2%) |
| <i>Borrelia + Anaplasma + Babesia</i> | 32 (0.9%) |

The number of blacklegged ticks submitted from each town and the number infected are summarized in the following table for the year 2019. If the town is served by a health district, its totals are included with the town listed in the second column. For example, Ansonia is served by the Naugatuck Valley Health District, which is located in Seymour. Any ticks that may have been received from Ansonia through the health district are included in the totals for Seymour. Any ticks received from individuals in Ansonia would be listed separately for Ansonia. Those totals reflect the data for all the towns served by the health district. For a directory of local health departments and districts, see the state website at: <http://www.ct.gov/dph/localhealth>.

*As of January 1, 2006, unengorged ticks are no longer tested for tick-borne pathogens. Research has shown that unengorged ticks (those that have not ingested blood) are unlikely to transmit disease-causing organisms.

| Town | Health District Town | Total Identified | Total Tested | Positive for <i>Borrelia</i> (%) | Positive for <i>Anaplasma</i> (%) | Positive for <i>Babesia</i> (%) |
|--------------|-------------------------|---------------------|-----------------|-------------------------------------|--------------------------------------|------------------------------------|
| Andover | Mansfield | 2 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Ansonia | Seymour | 4 | 4 | 2 (50%) | 2 (50%) | 1 (25%) |
| Ashford | Mansfield | 2 | 2 | 0 (0%) | 0 (0%) | 0 (0%) |
| Avon | Canton | 9 | 9 | 3 (33%) | 1 (11%) | 2 (22%) |
| Barkhamsted | Canton | 5 | 5 | 2 (40%) | 0 (0%) | 1 (20%) |
| Beacon Falls | Seymour | 5 | 5 | 2 (40%) | 0 (0%) | 0 (0%) |
| Berlin | Wethersfield | 7 | 7 | 5 (71%) | 2 (29%) | 0 (0%) |
| Bethany | North Haven | 13 | 11 | 3 (27%) | 3 (27%) | 3 (27%) |
| Bethel | | 58 | 52 | 23 (44%) | 4 (8%) | 6 (12%) |
| Bethlehem | Torrington | 5 | 4 | 0 (0%) | 1 (25%) | 0 (0%) |
| Bloomfield | | 19 | 18 | 6 (33%) | 1 (6%) | 2 (11%) |
| Bolton | Mansfield | 3 | 3 | 0 (0%) | 0 (0%) | 0 (0%) |
| Bozrah | Norwich | 1 | 1 | 1 (100%) | 0 (0%) | 0 (0%) |
| Branford | | 54 | 54 | 10 (19%) | 2 (4%) | 4 (7%) |
| Bridgeport | | 7 | 7 | 4 (57%) | 1 (14%) | 1 (14%) |
| Bridgewater | Newtown | 1 | 1 | 1 (100%) | 0 (0%) | 1 (100%) |
| Bristol | | 23 | 23 | 8 (35%) | 3 (13%) | 4 (17%) |
| Brookfield | | 58 | 55 | 24 (44%) | 4 (7%) | 3 (5%) |
| Brooklyn | | 1 | 1 | 1 (100%) | 0 (0%) | 0 (0%) |
| Burlington | Bristol | 4 | 4 | 1 (25%) | 0 (0%) | 0 (0%) |
| Canaan | Torrington | 0 | 0 | | | |
| Canterbury | Brooklyn | 1 | 0 | | | |
| Canton | | 22 | 21 | 5 (24%) | 0 (0%) | 1 (5%) |
| Chaplin | Mansfield | 0 | 0 | | | |
| Cheshire | | 84 | 77 | 24 (31%) | 8 (10%) | 6 (8%) |
| Chester | | 2 | 1 | 1 (100%) | 0 (0%) | 0 (0%) |
| Clinton | Old Saybrook | 3 | 2 | 0 (0%) | 0 (0%) | 0 (0%) |
| Colchester | East Hampton | 7 | 7 | 4 (57%) | 1 (14%) | 0 (0%) |
| Colebrook | Canton | 0 | 0 | | | |
| Columbia | Mansfield | 2 | 1 | 1 (100%) | 0 (0%) | 0 (0%) |
| Cornwall | Torrington | 3 | 3 | 0 (0%) | 0 (0%) | 0 (0%) |
| Coventry | Mansfield | 1 | 1 | 1 (100%) | 1 (100%) | 1 (100%) |
| Cromwell | | 5 | 4 | 3 (75%) | 0 (0%) | 1 (25%) |
| Danbury | | 40 | 39 | 14 (36%) | 4 (10%) | 4 (10%) |
| Darien | | 76 | 65 | 22 (34%) | 4 (6%) | 5 (8%) |
| Deep River | Old Saybrook | 2 | 2 | 0 (0%) | 0 (0%) | 0 (0%) |

| Town | Health District Town | Total Identified | Total Tested | Positive for <i>Borrelia</i> (%) | Positive for <i>Anaplasma</i> (%) | Positive for <i>Babesia</i> (%) |
|---------------|-------------------------|---------------------|-----------------|-------------------------------------|--------------------------------------|------------------------------------|
| Derby | Seymour | 6 | 5 | 1 (20%) | 0 (0%) | 1 (20%) |
| Durham | | 16 | 15 | 2 (13%) | 0 (0%) | 2 (13%) |
| East Granby | Canton | 4 | 4 | 3 (75%) | 1 (25%) | 1 (25%) |
| East Haddam | East Hampton | 2 | 2 | 1 (50%) | 0 (0%) | 0 (0%) |
| East Hampton | | 33 | 29 | 14 (48%) | 3 (10%) | 2 (7%) |
| East Hartford | | 3 | 3 | 1 (33%) | 0 (0%) | 0 (0%) |
| East Haven | Branford | 4 | 3 | 1 (33%) | 0 (0%) | 0 (0%) |
| East Lyme | New London | 8 | 8 | 2 (25%) | 0 (0%) | 0 (0%) |
| East Windsor | Enfield | 1 | 0 | | | |
| Eastford | Brooklyn | 2 | 2 | 0 (0%) | 0 (0%) | 0 (0%) |
| Easton | | 24 | 23 | 9 (39%) | 1 (4%) | 3 (13%) |
| Ellington | Enfield | 6 | 6 | 1 (17%) | 1 (17%) | 0 (0%) |
| Enfield | | 36 | 35 | 12 (34%) | 1 (3%) | 1 (3%) |
| Essex | | 12 | 11 | 3 (27%) | 1 (9%) | 0 (0%) |
| Fairfield | | 77 | 72 | 22 (31%) | 8 (11%) | 11 (15%) |
| Farmington | Canton | 13 | 13 | 3 (23%) | 0 (0%) | 3 (23%) |
| Franklin | | 4 | 4 | 1 (25%) | 0 (0%) | 0 (0%) |
| Glastonbury | | 22 | 21 | 6 (29%) | 0 (0%) | 5 (24%) |
| Goshen | Torrington | 7 | 6 | 4 (67%) | 1 (17%) | 0 (0%) |
| Granby | Canton | 13 | 13 | 7 (54%) | 2 (15%) | 2 (15%) |
| Greenwich | | 2 | 2 | 1 (50%) | 0 (0%) | 1 (50%) |
| Griswold | Norwich | 0 | 0 | | | |
| Groton | New London | 4 | 4 | 1 (25%) | 0 (0%) | 1 (25%) |
| Guilford | | 46 | 45 | 13 (29%) | 4 (9%) | 2 (4%) |
| Haddam | Old Saybrook | 5 | 5 | 1 (20%) | 0 (0%) | 0 (0%) |
| Hamden | North Haven | 57 | 56 | 16 (29%) | 8 (14%) | 2 (4%) |
| Hampton | Brooklyn | 4 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Hartford | | 5 | 3 | 2 (67%) | 0 (0%) | 1 (33%) |
| Hartland | Canton | 2 | 2 | 1 (50%) | 0 (0%) | 0 (0%) |
| Harwinton | Torrington | 2 | 2 | 1 (50%) | 1 (50%) | 0 (0%) |
| Hebron | East Hampton | 6 | 6 | 0 (0%) | 1 (17%) | 1 (17%) |
| Kent | Torrington | 8 | 8 | 5 (63%) | 2 (25%) | 0 (0%) |
| Killingly | Brooklyn | 2 | 2 | 0 (0%) | 0 (0%) | 0 (0%) |
| Killingworth | | 8 | 8 | 2 (25%) | 1 (13%) | 0 (0%) |
| Lebanon | Norwich | 1 | 1 | 0 (0%) | 1 (100%) | 0 (0%) |
| Ledyard | New London | 2 | 2 | 1 (50%) | 0 (0%) | 1 (50%) |

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|------------------|-------------------------|---------------------|-----------------|-------------------------------------|--------------------------------------|------------------------------------|
| Lisbon | Norwich | 2 | 2 | 0 (0%) | 0 (0%) | 0 (0%) |
| Litchfield | Torrington | 2 | 2 | 1 (50%) | 0 (0%) | 0 (0%) |
| Lyme | | 3 | 2 | 0 (0%) | 0 (0%) | 0 (0%) |
| Madison | | 25 | 23 | 3 (13%) | 0 (0%) | 2 (9%) |
| Manchester | | 23 | 23 | 6 (26%) | 2 (9%) | 0 (0%) |
| Mansfield | | 43 | 42 | 10 (24%) | 5 (12%) | 2 (5%) |
| Marlborough | East Hampton | 1 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Meriden | | 24 | 22 | 4 (18%) | 0 (0%) | 1 (5%) |
| Middlebury | Torrington | 4 | 4 | 2 (50%) | 1 (25%) | 1 (25%) |
| Middlefield | | 1 | 1 | 1 (100%) | 0 (0%) | 0 (0%) |
| Middletown | | 21 | 21 | 9 (43%) | 2 (10%) | 3 (14%) |
| Milford | | 74 | 70 | 18 (26%) | 8 (11%) | 7 (10%) |
| Monroe | | 63 | 56 | 18 (32%) | 1 (2%) | 5 (9%) |
| Montville | Norwich | 4 | 4 | 0 (0%) | 0 (0%) | 0 (0%) |
| Morris | Torrington | 1 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Naugatuck | Seymour | 8 | 8 | 3 (38%) | 0 (0%) | 0 (0%) |
| New Britain | | 7 | 7 | 2 (29%) | 0 (0%) | 1 (14%) |
| New Canaan | | 123 | 115 | 48 (42%) | 15 (13%) | 6 (5%) |
| New Fairfield | | 26 | 25 | 7 (28%) | 3 (12%) | 2 (8%) |
| New Hartford | Canton | 6 | 6 | 3 (50%) | 0 (0%) | 0 (0%) |
| New Haven | | 26 | 25 | 5 (20%) | 3 (12%) | 1 (4%) |
| New London | | 80 | 77 | 29 (38%) | 4 (5%) | 8 (10%) |
| New Milford | | 60 | 57 | 25 (44%) | 10 (18%) | 6 (11%) |
| Newington | Wethersfield | 2 | 2 | 1 (50%) | 0 (0%) | 0 (0%) |
| Newtown | | 204 | 197 | 67 (34%) | 16 (8%) | 16 (8%) |
| Norfolk | Torrington | 5 | 3 | 2 (67%) | 0 (0%) | 0 (0%) |
| North Branford | Branford | 5 | 4 | 0 (0%) | 0 (0%) | 0 (0%) |
| North Canaan | Torrington | 0 | 0 | | | |
| North Haven | | 42 | 40 | 16 (40%) | 2 (5%) | 1 (3%) |
| North Stonington | New London | 1 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Norwalk | | 131 | 124 | 39 (31%) | 5 (4%) | 10 (8%) |
| Norwich | | 18 | 18 | 6 (33%) | 2 (11%) | 2 (11%) |
| Old Lyme | New London | 2 | 2 | 0 (0%) | 0 (0%) | 1 (50%) |
| Old Saybrook | | 25 | 23 | 5 (22%) | 2 (9%) | 1 (4%) |
| Orange | | 30 | 26 | 12 (46%) | 2 (8%) | 2 (8%) |
| Oxford | Southbury | 6 | 6 | 4 (67%) | 0 (0%) | 1 (17%) |

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|---------------|-------------------------|---------------------|-----------------|-------------------------------------|--------------------------------------|------------------------------------|
| Plainfield | Brooklyn | 3 | 3 | 0 (0%) | 0 (0%) | 0 (0%) |
| Plainville | Southington | 11 | 11 | 8 (73%) | 3 (27%) | 3 (27%) |
| Plymouth | Torrington | 6 | 6 | 2 (33%) | 0 (0%) | 0 (0%) |
| Pomfret | Brooklyn | 5 | 5 | 1 (20%) | 0 (0%) | 1 (20%) |
| Portland | East Hampton | 2 | 2 | 1 (50%) | 0 (0%) | 0 (0%) |
| Preston | | 1 | 0 | | | |
| Prospect | Cheshire | 6 | 6 | 4 (67%) | 1 (17%) | 0 (0%) |
| Putnam | Brooklyn | 0 | 0 | | | |
| Redding | | 142 | 130 | 53 (41%) | 19 (15%) | 18 (14%) |
| Ridgefield | | 267 | 247 | 99 (40%) | 22 (9%) | 29 (12%) |
| Rocky Hill | Wethersfield | 17 | 15 | 6 (40%) | 2 (13%) | 1 (7%) |
| Roxbury | Newtown | 1 | 1 | 1 (100%) | 0 (0%) | 0 (0%) |
| Salem | Norwich | 1 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Salisbury | Torrington | 4 | 3 | 1 (33%) | 0 (0%) | 0 (0%) |
| Scotland | Mansfield | 0 | 0 | | | |
| Seymour | | 71 | 68 | 26 (38%) | 4 (6%) | 7 (10%) |
| Sharon | | 0 | 0 | | | |
| Shelton | Seymour | 17 | 16 | 4 (25%) | 1 (6%) | 2 (13%) |
| Sherman | | 11 | 11 | 5 (45%) | 2 (18%) | 1 (9%) |
| Simsbury | Canton | 22 | 19 | 8 (42%) | 0 (0%) | 2 (11%) |
| Somers | | 2 | 2 | 1 (50%) | 0 (0%) | 0 (0%) |
| South Windsor | | 22 | 21 | 9 (43%) | 1 (5%) | 1 (5%) |
| Southbury | | 130 | 118 | 58 (49%) | 13 (11%) | 9 (8%) |
| Southington | | 36 | 32 | 17 (53%) | 2 (6%) | 4 (13%) |
| Sprague | Norwich | 0 | 0 | | | |
| Stafford | Enfield | 3 | 3 | 1 (33%) | 0 (0%) | 0 (0%) |
| Stamford | | 188 | 175 | 60 (34%) | 11 (6%) | 19 (11%) |
| Sterling | Brooklyn | 1 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Stonington | New London | 3 | 3 | 1 (33%) | 1 (33%) | 0 (0%) |
| Stratford | | 46 | 42 | 22 (52%) | 4 (10%) | 7 (17%) |
| Suffield | Enfield | 3 | 3 | 1 (33%) | 0 (0%) | 1 (33%) |
| Thomaston | Torrington | 3 | 3 | 2 (67%) | 0 (0%) | 1 (33%) |
| Thompson | Brooklyn | 2 | 2 | 1 (50%) | 0 (0%) | 1 (50%) |
| Tolland | Mansfield | 6 | 6 | 1 (17%) | 0 (0%) | 1 (17%) |
| Torrington | | 69 | 68 | 19 (28%) | 6 (9%) | 9 (13%) |
| Trumbull | | 139 | 134 | 40 (30%) | 10 (7%) | 9 (7%) |

| Town | Health District Town | Total Identified | Total Tested | Positive for <i>Borrelia</i> (%) | Positive for <i>Anaplasma</i> (%) | Positive for <i>Babesia</i> (%) |
|---------------|---------------------------------|-----------------------------|-------------------------|---|--|--|
| Union | Brooklyn | 0 | 0 | | | |
| Vernon | Enfield | 2 | 2 | 1 (50%) | 0 (0%) | 0 (0%) |
| Voluntown | Norwich | 1 | 1 | 1 (100%) | 0 (0%) | 0 (0%) |
| Wallingford | | 38 | 33 | 13 (39%) | 3 (9%) | 1 (3%) |
| Warren | Torrington | 1 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Washington | | 6 | 6 | 1 (17%) | 2 (33%) | 0 (0%) |
| Waterbury | | 15 | 15 | 4 (27%) | 1 (7%) | 3 (20%) |
| Waterford | New London | 8 | 7 | 2 (29%) | 1 (14%) | 0 (0%) |
| Watertown | Torrington | 7 | 7 | 5 (71%) | 0 (0%) | 1 (14%) |
| West Hartford | Bloomfield | 12 | 11 | 2 (18%) | 0 (0%) | 0 (0%) |
| West Haven | | 8 | 8 | 4 (50%) | 0 (0%) | 1 (13%) |
| Westbrook | | 3 | 3 | 3 (100%) | 0 (0%) | 0 (0%) |
| Weston | Westport | 6 | 5 | 2 (40%) | 0 (0%) | 0 (0%) |
| Westport | | 98 | 93 | 27 (29%) | 10 (11%) | 9 (10%) |
| Wethersfield | | 3 | 3 | 2 (67%) | 1 (33%) | 0 (0%) |
| Willington | Mansfield | 0 | 0 | | | |
| Wilton | | 164 | 142 | 58 (41%) | 11 (8%) | 18 (13%) |
| Winchester | Torrington | 1 | 1 | 1 (100%) | 0 (0%) | 0 (0%) |
| Windham | Enfield | 7 | 7 | 1 (14%) | 2 (29%) | 1 (14%) |
| Windsor | | 23 | 22 | 11 (50%) | 2 (9%) | 1 (5%) |
| Windsor Locks | Enfield | 1 | 1 | 0 (0%) | 0 (0%) | 0 (0%) |
| Wolcott | Cheshire | 2 | 2 | 0 (0%) | 0 (0%) | 0 (0%) |
| Woodbridge | North Haven | 31 | 29 | 10 (34%) | 6 (21%) | 4 (14%) |
| Woodbury | Southbury | 6 | 6 | 2 (33%) | 1 (17%) | 0 (0%) |
| Woodstock | Brooklyn | 3 | 3 | 0 (0%) | 0 (0%) | 0 (0%) |