

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%)

Town	Health District Town	Total Identified	Total Tested	Positive for <i>Borrelia</i> (%)	Positive for <i>Anaplasma</i> (%)	Positive for <i>Babesia</i> (%)
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%)

Town	Health District Town	Total Identified	Total Tested	Positive for <i>Borrelia</i> (%)	Positive for <i>Anaplasma</i> (%)	Positive for <i>Babesia</i> (%)
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%)