

Summary of Tick Testing Results for 2017

A total of 5,577 ticks feeding on humans were submitted by residents, health departments, and physician's offices for identification in 2017. Of these, 3,993* were tested for the evidence of infection with *Borrelia burgdorferi*, the causative organism for Lyme disease, and 1,277 (32.0%) were found positive. The table below depicts the scientific and common names of the tick species and number of specimens.

Name of Species	Common Name	Total
<i>Ixodes scapularis</i>	Black-legged ("deer") Tick	4,458
<i>Dermacentor variabilis</i>	American Dog Tick	1,006
<i>Amblyomma americanum</i>	Lone Star Tick	109
<i>Ixodes cookei</i>	(normally on woodchucks)	3
<i>Hyalomma truncatum</i>	(African tick often found on livestock)	1

A majority of the ticks received by the CAES Tick Testing Laboratory (TTL) were the black-legged or "deer" ticks. The table below shows the total number of identified, tested, total positive, and percent positive ticks for 2013-2017*.

Year	Total Identified	Total Tested	Total Positive	Percent Positive
2013	2,594	1,628	514	32
2014	2,434	1,313	360	27
2015	3,084	2,450	773	32
2016	2,817	2,177	628	29
2017	4,458	3,989	1,277	32

*Note: As of January 1, 2006, unengorged ticks are no longer tested for *Borrelia burgdorferi*. Research has shown that unengorged ticks (those that have not ingested blood) are unlikely to transmit the disease organism.

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

Pathogen	Percentage of Ticks Infected
<i>Borrelia burgdorferi</i>	32.0
<i>Babesia microti</i>	6.0
<i>Anaplasma phagocytophilum</i>	7.0
<i>Borrelia</i> + <i>Babesia</i>	3.1
<i>Borrelia</i> + <i>Anaplasma</i>	3.7
<i>Babesia</i> + <i>Anaplasma</i>	0.5
<i>Borrelia</i> + <i>Babesia</i> + <i>Anaplasma</i>	0.4

The number of deer ticks submitted from each town and the number infected are summarized for the year 2017. 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>.

Town	Health District Town	Total Identified	Total Tested	Total Positive	Percent Positive
Andover	Mansfield	5	5	1	20.0%
Ansonia	Seymour	4	4	1	25.0%
Ashford	Mansfield				
Avon	Canton	24	22	7	31.8%
Barkhamsted	Canton	9	7	1	14.3%
Beacon Falls	Seymour	3	3	0	0.0%
Berlin	Wethersfield	4	4	1	25.0%
Bethany	North Haven	21	19	5	26.3%
Bethel		71	67	22	32.8%
Bethlehem	Torrington	4	4	1	25.0%
Bloomfield		9	9	3	33.3%
Bolton	Mansfield	2	1	1	100.0%
Bozrah	Norwich				
Branford		52	44	9	20.5%
Bridgeport		10	8	7	87.5%
Bridgewater	Newtown	1	1	0	0.0%
Bristol		29	29	8	27.6%
Brookfield		81	74	27	36.5%
Brooklyn		3	3	1	33.3%
Burlington	Bristol	6	5	0	0.0%
Canaan	Torrington				
Canterbury	Brooklyn				
Canton		16	15	4	26.7%
Chaplin	Mansfield	1	1	1	100.0%
Cheshire		76	71	24	33.8%
Chester					
Clinton	Old Saybrook	2	1	0	0.0%
Colchester	East Hampton	6	6	2	33.3%
Colebrook	Canton	2	2	1	50.0%
Columbia	Mansfield				
Cornwall	Torrington	1	1	0	0.0%
Coventry	Mansfield	6	4	0	0.0%
Cromwell		5	4	0	0.0%
Danbury		51	47	16	34.0%
Darien		118	106	46	43.4%
Deep River	Old Saybrook	4	4	0	0.0%
Derby	Seymour	3	3	2	66.7%
Durham		14	12	2	16.7%
East Granby	Canton				
East Haddam	East Hampton	6	2	2	100.0%

Town	Health District Town	Total Identified	Total Tested	Total Positive	Percent Positive
East Hampton		22	19	9	47.4%
East Hartford		1	0	0	
East Haven	Branford	8	7	1	14.3%
East Lyme	New London	3	3	1	33.3%
East Windsor	Enfield	3	3	2	66.7%
Eastford	Brooklyn	2	2	1	50.0%
Easton		25	23	5	21.7%
Ellington	Enfield	1	1	0	0.0%
Enfield		27	22	7	31.8%
Essex		6	5	1	20.0%
Fairfield		75	70	32	45.7%
Farmington	Canton	5	4	1	25.0%
Franklin		3	2	0	0.0%
Glastonbury		39	36	8	22.2%
Goshen	Torrington	1	1	0	0.0%
Granby	Canton	16	14	4	28.6%
Greenwich		3	3	0	0.0%
Griswold	Norwich	2	2	0	0.0%
Groton	New London	1	0	0	
Guilford		40	38	13	34.2%
Haddam	Old Saybrook	9	7	2	28.6%
Hamden	North Haven	51	49	23	46.9%
Hampton	Brooklyn	3	3	1	33.3%
Hartford		1	1	0	0.0%
Hartland	Canton	5	5	3	60.0%
Harwinton	Torrington	3	3	1	33.3%
Hebron	East Hampton	19	17	5	29.4%
Kent	Torrington	5	4	2	50.0%
Killingly	Brooklyn	1	1	0	0.0%
Killingworth		6	4	1	25.0%
Lebanon	Norwich				
Ledyard	New London	3	3	0	0.0%
Lisbon	Norwich				
Litchfield	Torrington	3	3	2	66.7%
Lyme		1	1	0	0.0%
Madison		21	19	6	31.6%
Manchester		4	4	3	75.0%
Mansfield		28	26	5	19.2%
Marlborough	East Hampton	2	2	0	0.0%
Meriden		20	19	5	26.3%

Town	Health District Town	Total Identified	Total Tested	Total Positive	Percent Positive
Middlebury	Torrington	9	9	2	22.2%
Middlefield					
Middletown		17	15	3	20.0%
Milford		93	83	21	25.3%
Monroe		55	45	17	37.8%
Montville	Norwich	11	9	2	22.2%
Morris	Torrington	1	1	0	0.0%
Naugatuck	Seymour	4	4	0	0.0%
New Britain		13	13	1	7.7%
New Canaan		181	167	46	27.5%
New Fairfield		23	19	7	36.8%
New Hartford	Canton	12	8	4	50.0%
New Haven		45	42	15	35.7%
New London		24	22	7	31.8%
New Milford		65	53	13	24.5%
Newington	Wethersfield				
Newtown		298	253	80	31.6%
Norfolk	Torrington	2	2	2	100.0%
North Branford	Branford	5	4	1	25.0%
North Canaan	Torrington				
North Haven		47	44	19	43.2%
North Stonington	New London	2	2	1	50.0%
Norwalk		212	190	50	26.3%
Norwich		23	21	11	52.4%
Old Lyme	New London	4	4	2	50.0%
Old Saybrook		20	19	7	36.8%
Orange		34	29	12	41.4%
Oxford	Southbury	5	4	1	25.0%
Plainfield	Brooklyn	4	4	2	50.0%
Plainville	Southington	12	11	3	27.3%
Plymouth	Torrington	2	2	1	50.0%
Pomfret	Brooklyn	5	4	1	25.0%
Portland	East Hampton				
Preston		4	3	2	66.7%
Prospect	Cheshire	4	4	2	50.0%
Putnam	Brooklyn	2	2	1	50.0%
Redding		160	136	53	39.0%
Ridgefield		332	296	91	30.7%
Rocky Hill	Wethersfield	4	4	2	50.0%
Roxbury	Newtown	5	5	1	20.0%

Town	Health District Town	Total Identified	Total Tested	Total Positive	Percent Positive
Salem	Norwich	5	5	1	20.0%
Salisbury	Torrington	3	3	1	33.3%
Scotland	Mansfield	1	1	1	100.0%
Seymour		98	93	18	19.4%
Sharon		4	3	1	33.3%
Shelton	Seymour	15	14	3	21.4%
Sherman		5	5	4	80.0%
Simsbury	Canton	36	34	12	35.3%
Somers		3	3	2	66.7%
South Windsor		5	3	2	66.7%
Southbury		166	149	68	45.6%
Southington		41	36	11	30.6%
Sprague	Norwich	1	1	1	100.0%
Stafford	Enfield				
Stamford		297	261	86	33.0%
Sterling	Brooklyn	3	2	0	0.0%
Stonington	New London	5	3	1	33.3%
Stratford		63	57	17	29.8%
Suffield	Enfield	3	2	0	0.0%
Thomaston	Torrington				
Thompson	Brooklyn	3	3	2	66.7%
Tolland	Mansfield	3	3	1	33.3%
Torrington		147	133	37	27.8%
Trumbull		165	149	52	34.9%
Union	Brooklyn				
Vernon	Enfield	2	1	0	0.0%
Voluntown	Norwich	2	1	0	0.0%
Wallingford		23	21	4	19.0%
Warren	Torrington	1	1	0	0.0%
Washington		4	4	1	25.0%
Waterbury		25	23	6	26.1%
Waterford	New London	2	2	2	100.0%
Watertown	Torrington	4	4	0	0.0%
West Hartford	Bloomfield	17	14	3	21.4%
West Haven		9	9	3	33.3%
Westbrook		5	5	0	0.0%
Weston	Westport	4	4	0	0.0%
Westport		101	96	24	25.0%
Wethersfield		18	17	5	29.4%
Willington	Mansfield	1	1	1	100.0%

Town	Health District Town	Total Identified	Total Tested	Total Positive	Percent Positive
Wilton		223	195	59	30.3%
Winchester	Torrington	3	3	0	0.0%
Windham	Enfield	2	2	1	50.0%
Windsor		22	20	8	40.0%
Windsor Locks	Enfield	2	2	0	0.0%
Wolcott	Cheshire	3	3	1	33.3%
Woodbridge	North Haven	42	38	10	26.3%
Woodbury	Southbury	5	5	1	20.0%
Woodstock	Brooklyn	2	2	2	100.0%