Summary of Tick Testing Results for 2016

A total of 3,321 ticks feeding on humans were submitted by residents, health departments, and physician's offices for identification in 2016. Of these, 2,235* were tested for the evidence of infection with *Borrelia burgdorferi*, the causative organism for Lyme disease, and 630 (28.8%) 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
Ixodes scapularis	Black-legged ("deer") Tick	2817
Dermacentor variabilis	American Dog Tick	405
Amblyomma americanum	Lone Star Tick	91
Ixodes cookei	(normally on woodchucks)	3
Rhipicephalus sanguineus	(normally on dogs)	3
Ixodes pacificus	Western black-legged tick	1
Ixodes ricinus	Castor Bean Tick (European species)	1

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 2012-2016.

Year	Total Identified	Total Tested	Total Positive	Percent Positive
2012	1958	971	189	19
2013	2594	1628	514	32
2014	2434	1313	360	27
2015	3084	2450	773	32
2016	2817	2177	628	29

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 coinfected with two or three pathogens.

Pathogen	Percentage of Ticks Infected (%)
Borrelia burgdorferi	28.8
Babesia microti	7.4
Anaplasma phagocytophilum	4.6
Borrelia + Babesia	2.8
Borrelia + Anaplasma	1.8
Borrelia + Babesia + Anaplasma	0.2

The number of deer ticks submitted from each town and the number infected are summarized for the year 2016. 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	1	1	0	0.0%
Ansonia	Seymour	4	4	2	50.0%
Ashford	Mansfield	1	1	1	100.0%
Avon	Canton	12	10	1	10.0%
Barkhamsted	Canton	2	2	0	0.0%
Beacon Falls	Seymour	1	0	0	0.0%
Berlin	Wethersfield	2	1	0	0.0%
Bethany	North Haven	11	10	6	60.0%
Bethel		32	30	11	36.7%
Bethlehem	Torrington				
Bloomfield		11	9	3	33.3%
Bolton	Mansfield	1	0	0	0.0%
Bozrah	Norwich				
Branford		32	27	4	14.8%
Bridgeport		3	1	0	0.0%
Bridgewater	Newtown				
Bristol		7	7	0	0.0%
Brookfield		33	27	5	18.5%
Brooklyn		5	4	2	50.0%
Burlington	Bristol	6	5	4	80.0%
Canaan	Torrington				
Canterbury	Brooklyn				
Canton		6	5	1	20.0%
Chaplin	Mansfield				
Cheshire		60	49	15	30.6%
Chester		4	3	1	33.3%
Clinton	Old Saybrook	4	3	2	66.7%
Colchester	East Hampton	2	2	2	100.0%
Colebrook	Canton	1	1	0	0.0%
Columbia	Mansfield				
Cornwall	Torrington	1	0	0	0.0%
Coventry	Mansfield				
Cromwell		4	3	1	33.3%
Danbury		16	11	5	45.5%
Darien		78	59	15	25.4%
Deep River	Old Saybrook	2	1	0	0.0%
Derby	Seymour	1	0	0	0.0%
Durham		10	10	3	30.0%
East Granby	Canton	2	1	0	0.0%
East Haddam	East Hampton	2	1	1	100.0%
East Hampton		22	18	5	27.8%
East Hartford		1	1	0	0.0%
East Haven	Branford	5	5	2	40.0%
East Lyme	New London	5	5	3	60.0%

Town	Health District Town	Total Identified	Total Tested	Total Positive	Percent Positive
East Windsor		2	2	1	50.0%
Eastford	Brooklyn				
Easton		8	7	2	28.6%
Ellington	Enfield	3	2	2	100.0%
Enfield		3	3	1	33.3%
Essex		1	0	0	0.0%
Fairfield		62	44	7	15.9%
Farmington	Canton	9	6	3	50.0%
Franklin					
Glastonbury		11	9	2	22.2%
Goshen	Torrington				
Granby	Canton	6	6	2	33.3%
Greenwich		3	3	1	33.3%
Griswold	Norwich	1	0	0	0.0%
Groton	New London	1	0	0	0.0%
Guilford		30	22	11	50.0%
Haddam	Old Saybrook	2	2	0	0.0%
Hamden	North Haven	26	24	7	29.2%
Hampton	Brooklyn	1	1	1	100.0%
Hartford		4	4	2	50.0%
Hartland					
Harwinton	Torrington				
Hebron	East Hampton	2	1	1	100.0%
Kent	Torrington	2	2	1	50.0%
Killingly	Brooklyn	2	0	0	0.0%
Killingworth		3	2	1	50.0%
Lebanon	Norwich	1	1	0	0.0%
Ledyard	New London	5	3	3	100.0%
Libson	Norwich				
Litchfield	Torrington				
Lyme	Plainfield	2	2	1	50.0%
Madison		7	7	0	0.0%
Manchester		5	4	2	50.0%
Mansfield		22	15	3	20.0%
Marlborough	East Hampton				
Meriden		19	14	5	35.7%
Middlebury	East Hampton	2	1	0	0.0%
Middlefield		1	1	1	100.0%
Middletown		11	9	4	44.4%
Milford		47	36	10	27.8%
Monroe	Trumbull	36	25	5	20.0%
Montville	Norwich	4	2	0	0.0%
Morris	Torrington				
Naugatuck	Seymour	4	3	1	33.3%

Town	Health District Town	Total Identified	Total Tested	Total Positive	Percent Positive
New Britain		19	17	8	47.1%
New Canaan		140	103	25	24.3%
New Fairfield		8	7	2	28.6%
New Hartford	Canton	5	4	1	25.0%
New Haven		49	35	4	11.4%
New London		25	22	4	18.2%
New Milford		46	38	9	23.7%
Newington	Wethersfield	2	0	0	0.0%
Newtown		183	137	44	32.1%
Norfolk	Torrington				
North Branford	Branford	4	3	0	0.0%
North Canaan	Torrington				
North Haven		41	35	12	34.3%
North Stonington					
Norwalk		153	117	26	22.2%
Norwich		5	4	2	50.0%
Old Lyme	New London	4	4	0	0.0%
Old Saybrook		5	3	1	33.3%
Orange		19	14	7	50.0%
Plainfield	Brooklyn	1	0	0	0.0%
Plainville	Southington	6	6	0	0.0%
Plymouth	Torrington	1	0	0	0.0%
Pomfret	Brooklyn	5	4	2	50.0%
Portland	East Hampton	4	4	1	25.0%
Preston					
Prospect	Cheshire	3	3	2	66.7%
Putnam	Brooklyn				
Redding		85	63	18	28.6%
Ridgefield		211	164	52	31.7%
Rocky Hill	Wethersfield	2	2	1	50.0%
Roxbury	Newtown	3	3	1	33.3%
Salem					
Salisbury	Torrington	2	2	0	0.0%
Seymour		58	46	17	37.0%
Sharon		1	1	0	0.0%
Shelton	Seymour	3	3	0	0.0%
Simsbury	Canton	28	23	8	34.8%
Somers		1	1	0	0.0%
South Windsor	Southbury	5	3	0	0.0%
Southbury		129	100	35	35.0%
Southington		24	19	6	31.6%
Sprague	Norwich				
Stafford	Enfield	10	8	2	25.0%
Stamford		176	133	31	23.3%

Town	Health District Town	Total Identified	Total Tested	Total Positive	Percent Positive
Sterling	Brooklyn	1	1	0	0.0%
Stonington		1	1	1	100.0%
Stratford		34	25	8	32.0%
Suffield	Enfield	1	1	1	100.0%
Thomaston	Torrington	1	1	1	100.0%
Thompson					
Tolland	Mansfield	2	0	0	0.0%
Torrington		84	64	22	34.4%
Trumbull		129	92	27	29.3%
Union	Brooklyn				
Vernon	Enfield	2	2	0	0.0%
Wallingford		15	11	2	18.2%
Warren	Torrington				
Washington		2	1	0	0.0%
Waterbury		13	11	3	27.3%
Waterford	New London	8	8	7	87.5%
Watertown	Torrington				
West Hartford	Bloomfield	9	6	2	33.3%
West Haven		10	10	3	30.0%
Westbrook		6	4	0	0.0%
Weston	Westport	2	2	2	100.0%
Westport		68	63	9	14.3%
Wethersfield		18	13	4	30.8%
Willington	Mansfield	2	1	0	
Wilton		171	123	32	26.0%
Windsor		5	3	1	33.3%
Windsor Locks	Enfield				
Wolcott	Cheshire				
Woodbridge	North Haven	23	18	4	22.2%
Woodbury	Brooklyn	2	2	1	50.0%
Woodstock	Brooklyn				