Summary of Tick Testing Results for 2015

A total of 3494 ticks feeding on humans were submitted for identification in 2015. Of these, 2503* were tested for the presence of *Borrelia burgdorferi*, the causative organism of Lyme disease, and 781 (31.2%) were found to carry this organism. The names of the tick species and numbers of specimens received are shown in the table below.

Name of Species	Common Name	Total
Ixodes scapularis	Black-legged ("deer") Tick	3084
Dermacentor variabilis	American Dog Tick	320
Amblyomma americanum	Lone Star Tick	71
Ixodes cookei	(normally on woodchucks)	5

Most of the ticks received by us are black-legged or "deer" ticks. Below is a table comparing the numbers and infection rates of Connecticut deer ticks over the past five years.

Year	Total Identified	Total Tested	Total Positive	Percent Positive
2011	2903	1513	340	22
2012	1958	971	189	19
2013	2594	1628	514	32
2014	2434	1313	360	27
2015	3084	2450	773	32

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

The number of deer ticks submitted from each town and the number infected with *Borrelia burgdorferi*, the causative organism of Lyme disease, are summarized by town for the year 2015. 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.

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 coinfection rates.

Pathogen	Percentage of Ticks Infected (%)
Borrelia burgdorferi	31.5
Babesia microti	11.0
Anaplasma phagocytophilum	4.9
Borrelia + Babesia	4.1
Borrelia + Anaplasma	1.9
Babesia + Anaplasma	0.1
Borrelia + Babesia + Anaplasma	0.2

Town	Hlth. Dist. Town	Total Identified	Total Tested	Total Positive	Percent Positive
Andover	Mansfield	1	1	0	0.0%
Ansonia	Seymour	1	1	0	0.0%
Ashford	Mansfield	2	2	1	50.0%
Avon		16	14	4	28.6%
Barkhamsted		8	7	3	42.9%
Beacon Falls	Seymour	2	1	1	100.0%
Berlin	Wethersfield	3	2	0	0.0%
Bethany	North Haven	11	10	3	30.0%
Bethel		45	32	7	21.9%
Bethlehem	Torrington				
Bloomfield		16	10	3	30.0%
Bolton	Mansfield	2	2	2	100.0%
Bozrah	Norwich				
Branford		56	40	10	25.0%
Bridgeport		13	10	4	40.0%
Bridgewater	Newtown				
Bristol		17	16	6	37.5%
Brookfield		43	34	7	20.6%
Brooklyn		3	3	0	0.0%
Burlington	Bristol	1	1	1	100.0%
Canaan	Torrington				
Canterbury	Brooklyn				
Canton		10	10	3	30.0%
Chaplin	Mansfield				
Cheshire		60	43	15	34.9%
Chester		7	7	4	57.1%
Clinton	Old Saybrook	1	1	1	100.0%
Colchester	East Hampton	3	1	0	0.0%
Colebrook					
Columbia	Mansfield				
Cornwall	Torrington	1	1	0	0.0%
Coventry	Mansfield	1	1	0	0.0%
Cromwell		9	8	3	37.5%
Danbury		11	9	2	22.2%
Darien		72	59	15	25.4%
Deep River	Old Saybrook	1	1	0	0.0%
Derby		1	1	0	0.0%
Durham		6	5	0	0.0%
East Granby					
East Haddam	East Hampton	1	1	1	100.0%
East Hampton		26	23	6	26.1%
East Hartford					
East Haven	Branford	3	3	0	0.0%
East Lyme	New London	1	1	1	100.0%

Town	Hlth. Dist. Town	Total Identified	Total Tested	Total Positive	Percent Positive
East Windsor	Enfield				
Eastford	Brooklyn				
Easton		12	10	4	40.0%
Ellington	Enfield				
Enfield					
Essex		8	7	2	28.6%
Fairfield		68	50	15	30.0%
Farmington		9	7	1	14.3%
Franklin					
Glastonbury		18	15	3	20.0%
Goshen	Torrington	1	1	1	100.0%
Granby		7	7	1	14.3%
Greenwich		6	5	1	20.0%
Griswold	Norwich	1	1	1	100.0%
Groton	New London	3	3	0	0.0%
Guilford		32	25	9	36.0%
Haddam	East Hampton	7	4	2	50.0%
Hamden	North Haven	33	30	7	23.3%
Hampton	Brooklyn	2	2	1	50.0%
Hartford		2	2	1	50.0%
Hartland					
Harwinton	Torrington				
Hebron	East Hampton				
Kent	Torrington	3	3	0	0.0%
Killingly	Brooklyn				
Killingworth		4	3	1	33.3%
Lebanon					
Ledyard	New London	1	1	1	100.0%
Lisbon	Norwich				
Litchfield	Torrington	1	1	0	0.0%
Lyme		2	2	1	50.0%
Madison		13	9	1	11.1%
Manchester		9	8	2	25.0%
Mansfield		17	9	3	33.3%
Marlborough	East Hampton	1	0	0	0.0%
Meriden		12	10	5	50.0%
Middlebury	Torrington	3	3	2	66.7%
Middlefield		4	3	1	33.3%
Middletown		10	6	2	33.3%
Milford		76	53	13	24.5%
Monroe	Trumbull	12	10	4	40.0%
Montville	Norwich	6	4	1	25.0%
Morris	Torrington				
Naugatuck	Seymour	2	1	1	100.0%
New Britain		22	21	9	42.9%

Town	Hlth. Dist. Town	Total Identified	Total Tested	Total Positive	Percent Positive
New Canaan		135	103	32	31.1%
New Fairfield		14	12	4	33.3%
New Hartford		5	4	4	100.0%
New Haven		32	27	10	37.0%
New London		21	17	8	47.1%
New Milford		23	18	8	44.4%
Newington	Wethersfield	1	1	0	0.0%
Newtown		224	176	54	30.7%
Norfolk	Torrington				
North Branford	Branford	5	5	2	40.0%
North Canaan	Torrington				
North Haven		34	31	8	25.8%
North Stonington		1	0	0	0.0%
Norwalk		161	125	41	32.8%
Norwich		8	8	3	37.5%
Old Lyme		8	8	4	50.0%
Old Saybrook		15	15	4	26.7%
Orange		27	25	10	40.0%
Oxford	Southbury	3	3	2	66.7%
Plainfield	Brooklyn	1	1	0	0.0%
Plainville	Southington	2	1	1	100.0%
Plymouth	Torrington				
Pomfret	Brooklyn				
Portland	East Hampton	2	2	1	50.0%
Preston		1	1	0	0.0%
Prospect	Cheshire	1	1	1	100.0%
Putnam	Brooklyn				
Redding		100	81	28	34.6%
Ridgefield		216	162	49	30.3%
Rocky Hill	Wethersfield	2	2	0	0.0%
Roxbury	Newtown				
Salem		6	5	1	20.0%
Salisbury	Torrington				
Scotland	Mansfield				
Seymour		85	68	24	35.3%
Sharon		1	1	1	100.0%
Shelton	Seymour	7	5	1	20.0%
Sherman		2	1	1	100.0%
Simsbury		14	12	4	33.3%
Somers		1	1	0	0.0%
South Windsor		5	4	0	0.0%
Southbury		114	84	33	39.3%
Southington		26	23	7	30.4%
Sprague	Norwich				
Stafford	Enfield	16	12	5	41.7%

Town	Hlth. Dist. Town	Total Identified	Total Tested	Total Positive	Percent Positive
Stamford		222	168	55	32.7%
Sterling	Brooklyn				
Stonington		3	3	0	0.0%
Stratford		34	28	8	28.6%
Suffield	Enfield				
Thomaston	Torrington	1	1	0	0.0%
Thompson	Brooklyn				
Tolland	Mansfield	1	1	0	0.0%
Torrington		89	80	28	35.0%
Trumbull		182	155	44	28.4%
Union	Brooklyn	1	1	1	100.0%
Vernon	Enfield	2	2	0	0.0%
Voluntown	Norwich				
Wallingford		20	16	8	50.0%
Warren	Torrington				
Washington		2	2	2	100.0%
Waterbury		21	16	5	31.3%
Waterford	New London	2	2	1	50.0%
Watertown	Torrington	2	2	1	50.0%
West Hartford	Bloomfield	7	7	5	71.4%
West Haven		7	5	2	40.0%
Westbrook		1	1	0	0.0%
Weston	Westport	1	1	1	100.0%
Westport		65	60	11	18.3%
Wethersfield		10	7	2	28.6%
Willington	Mansfield				
Wilton		176	130	35	26.9%
Winchester	Torrington	1	0	0	0.0%
Windham	Enfield	2	2	2	100.0%
Windsor		7	6	2	33.3%
Windsor Locks	Enfield				
Wolcott	Cheshire				
Woodbridge	North Haven	32	20	4	20.0%
Woodbury		5	5	2	40.0%
Woodstock	Brooklyn	1	1	1	100.0%