2018 Rabies Annual Summary Wadsworth Center Rabies Laboratory New York State Department of Health

April D Davis, DVM, PhD; Kim Appler, BA; Jodie Jarvis, BS; Andrew Hirsbrunner, MS; and Bellamy Reynolds, MS

In 2018 the Rabies Laboratory tested a total of 7,974 samples, 6,256 of which were submitted from around New York State, including 46 from New York City. Additional samples were submitted from around the United States for confirmatory testing and/or rabies variant typing. Of the 6,256 samples submitted from within NY State, 322 (5.1%) were positive. Of the 1718 samples submitted from out of state, 275 (16%) were positive for rabies.

The data presented in this report is based on specimens received from NY State unless otherwise noted.

As in previous years, the majority of specimens submitted were bats, 2,959 (47.3%); followed by raccoons, 873 (14%); cats, 1,011 (16%); dogs, 599 (9.6%); other "wild" animals, 248 (4%); skunks, 180 (2.9%); rodents/lagomorphs, 130 (2%); gray and red foxes, 111 (1.8%); other domestic animals, 88 (1.4%); and cattle, 54 (0.8%).

Included in the rodent/lagomorph animal group were woodchucks (56), beavers (5), chipmunks (5), muskrats (2), and rabbits (2). The other wild animal category included deer (97), coyotes (29), fishers (25), bobcats (22), bears (12), otters (7), and porcupines (2). Other domestic animals included horses (42), goats (29), sheep (12), alpacas (7), and pigs (2).

In New York State during 2018, rabies virus infection was present in 322 animals including 125 raccoons, 106 bats, 26 skunks, 20 cats, 8 other wild animals, 3 rodent/lagomorphs, 1 cattle, and 1 dog.

The overall incidence of rabies was lower than in previous years; 26% of the foxes submitted to the laboratory for testing were positive followed by 14.4% of the skunks, 14.3% of the raccoons, 3.6% of bats, 3.2% other wild animals, 2.3% of rodent/lagomorphs, 2% of the cats, 1.9% of the cattle and 0.2% of the dogs.

Of the 1011 cats submitted for rabies testing, 503 were owned, 424 were reported as feral/wild/barn cats; the status of the remaining cats is unknown. Overall, 28% of the owned cats submitted to the rabies laboratory for testing were not current on their rabies vaccine, 24% were unvaccinated, and 19% were currently vaccinated. Twenty cats submitted to the laboratory were diagnosed as rabid, 3 were owned, 15 were feral, and 2 were of unknown history. From the 3 owned cats that were diagnosed with rabies in 2018, the vaccine history of 2 were unvaccinated and 1 was unknown. Of the 15 that were considered feral, the vaccination status for 7 (47%) were unvaccinated, 6 (40%) were unknown, and 1 (7%) was not current. The majority (85%) of rabid cats had a history of biting and/or scratching a human. Almost half (42%) had a confirmed history of biting and/or scratching a human and the remaining 58% had an unknown or suspected exposure to another animal.

Conversely, the majority of dogs (93%) submitted for rabies testing are described as owned and vaccinated (58%). Twenty-seven percent of the owned dogs had an unknown vaccination history and 11% were not current. One dog from New York State was positive for

rabies. An investigation revealed the animal was an unvaccinated puppy that was found in Northern Quebec and imported into New York State.

During 2018, 3.6% (n=106) of the 2959 bats submitted to the laboratory were positive for rabies. Big brown bats were the most commonly submitted species (2798, 95%), followed by little brown bats (81, 2.7%), unidentified bats (24, 0.8%), red bats (12, 0.4%), silver haired bats (35, 1.1%), hoary bats (6, 0.2%), and tricolored bats (2, 0.06%). The 106 rabies positive bats included 100 big brown bats, 3 little brown bats and 3 hoary bats. There were also 151 bats that were unsatisfactory for rabies testing due to tissue decomposition or inadequate amount/type of tissue.

Similar to previous years, more than half of the bats submitted for rabies testing had a history of human contact (1689, 57%). Of these 1689 bats, 141 were positive or inconclusive for rabies and would require rabies post exposure prophylaxis for the exposed individual. Domestic animals with bat exposures occurred less frequently, 541 (18%) of the submitted bats had contact with a domestic animal (dog, cat, agricultural animal) and in 58 of the cases (10.7%), the bat specimen was positive or inconclusive.

All rabies positive specimens were variant typed during 2018 using a real time RT-PCR assay. Almost all host species were infected with their homologous rabies virus variant with the exception of a little brown bat infected with a variant associated with big brown bats, a canine infected with a red fox variant, and a red fox infected with a big brown bat variant.

Whole genome sequencing (WGS) continues to be performed on selected samples from throughout New York and surrounding states. None of the samples were less than 24 hrs old and many were more than 48 hours old, demonstrating the ability to use WGS on less than pristine tissue (https://wwwnc.cdc.gov/eid/article/26/6/19-1700_article).

2019 Rabies Annual Summary Wadsworth Center Rabies Laboratory New York State Department of Health

April D Davis, DVM, PhD; Kim Appler, BA; Jodie Jarvis, BS; Andrew Hirsbrunner, MS; and Bellamy Reynolds, MS

In 2019 the Rabies Laboratory tested a total of 7,225 samples, 6,393 of which were submitted from around New York State, including 59 from the 5 boroughs of New York City. The percentage of rabies positive samples submitted from within NYS was slightly higher than the previous year (6%, n=383). Of the 832 samples submitted from our out of state cooperators, 175, 21% were positive for rabies.

The data presented in this report is based on specimens received from NY State unless otherwise <u>noted.</u>

As in previous years, the majority of specimens submitted were bats, 2,754 (43%); followed by cats, 1,067 (16.7%); raccoons, 925 (14.5%); dogs, 653 (10.2%); other "wild" animals, 323 (4%); skunks, 242 (3.8%); gray and red foxes, 135 (2.1%); rodents/lagomorphs, 119 (1.3%); other domestic animals, 117 (1.9%); and cattle, 59 (0.9%).

In 2019, animals in the other wild animal category included deer (140), coyotes (51), fishers (22), bobcats (22), bears (13), otters (4), and porcupines (3). Other domestic animals included horses (52), goats (37), sheep (16), pigs (9) and alpacas (7). The rodent/lagomorph group was comprised of woodchucks (51), rabbits (12) muskrats (9), beavers (7), and chipmunks (5).

In New York State during 2019, rabies virus infection was diagnosed in 383 animals including but not limited to 172 raccoons, 94 bats, 40 skunks, 35 foxes, 24 cats, 5 horses, 4 woodchucks, 2 deer, and 1 each of bobcat, fisher, and dog.

The overall incidence of rabies was lower than in previous years in the other wild animal group (1.6% vs 3.2%). Conversely, in some animals the incidence of rabies was higher than in 2018 this includes raccoons (18.6% vs 14.3%), skunks (16.5% vs 14.4.%), and rodents and lagomorphs (4.8% vs 2.3%). The incidence remained virtually unchanged in foxes (25%), cats (2.2%), cattle (1.7%) and dogs (0.2%). However, a significance p < 0.5 was not assessed.

Of the 1,067 cats submitted for rabies testing in 2019, 520 were owned, 428 were reported as feral/wild/barn cats, and the status of the remaining cats was unknown. Overall, 27% of the owned cats submitted to the rabies laboratory for testing were not current on their rabies vaccine, 25% were unvaccinated, and 19% were up to date on rabies vaccination. Twenty-four cats (2.2%) submitted to the laboratory were diagnosed as rabid; 13 were feral, 8 were owned, and the ownership status of 3 was listed as unknown.

From the 8 owned cats that were diagnosed with rabies in 2019, all were reported to be unvaccinated. Of the 13 that were considered feral, the vaccination status for 9 (69%) was considered unknown, 3 (23%) were unvaccinated, and 1 (8%) was not current. The majority (85%) of rabid cats had a history of biting and/or scratching a human and 4 of the rabid cats (13%) had also bitten another animal.

Unlike cats, 95% of the dogs were owned. The majority of dogs (54%, n=324) submitted for rabies testing were described as owned and vaccinated, whereas 26% (n=154) of the owned dogs had an unknown vaccination history, 14% (n=84) were not current, and 6% (n=36) were unvaccinated. This was the second year in a row a dog in New York State was diagnosed with rabies. The rabid dog was reported to be an owned, unvaccinated puppy infected with raccoon rabies variant.

Over half (1537, 56%) of the bats submitted for testing had a history of human contact. One hundred and thirty-nine (9%) of the bats with a history of human contact were either rabies positive or unsatisfactory for testing, both of which may justify the use of rabies prophylaxis.

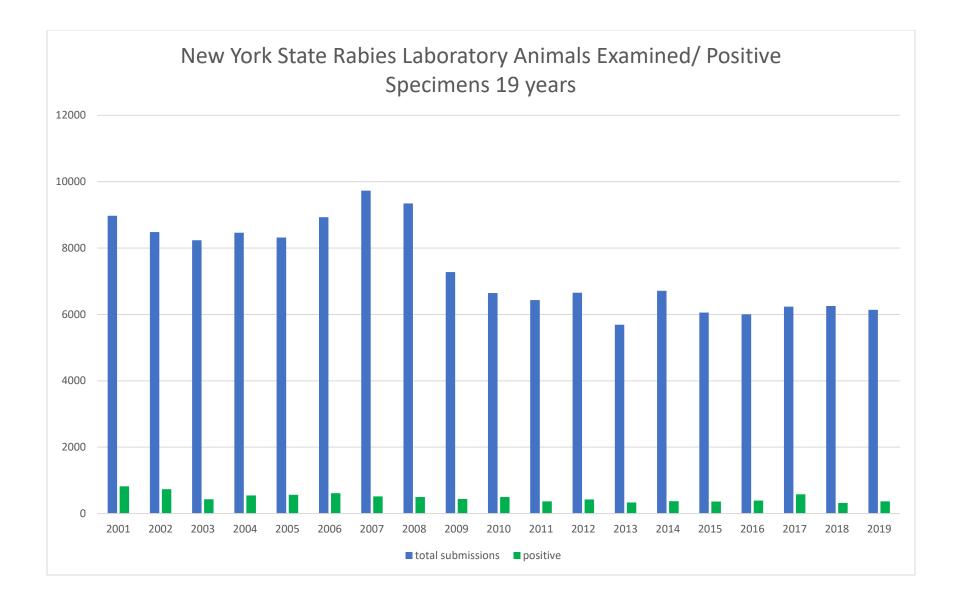
There were 49 people bitten by raccoons in 2019 and in 14 (29%) of those cases, the raccoons were positive for rabies.

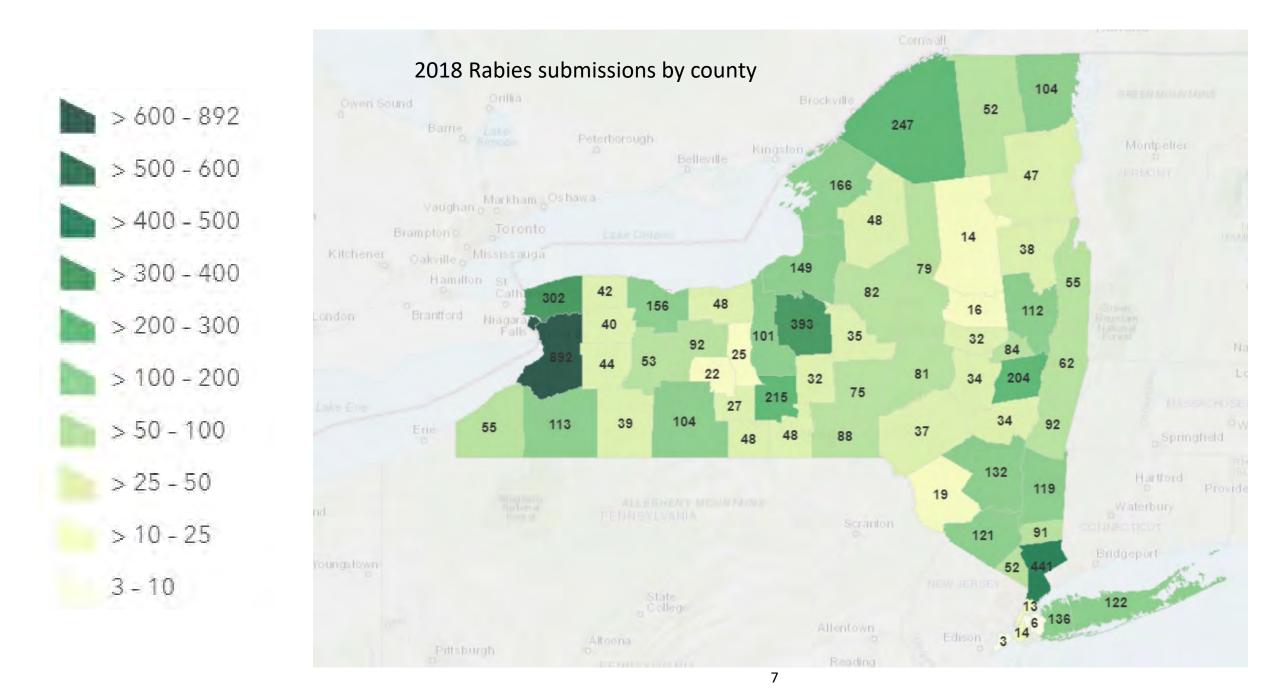
In 2019, 223 domestic and agricultural animals, such as horses and cattle, had an exposure to a raccoon. In 43% of the cases the raccoon tested positive for rabies. Overall, dogs were the most likely animal, domestic or agriculture species, to interact with a rabid animal.

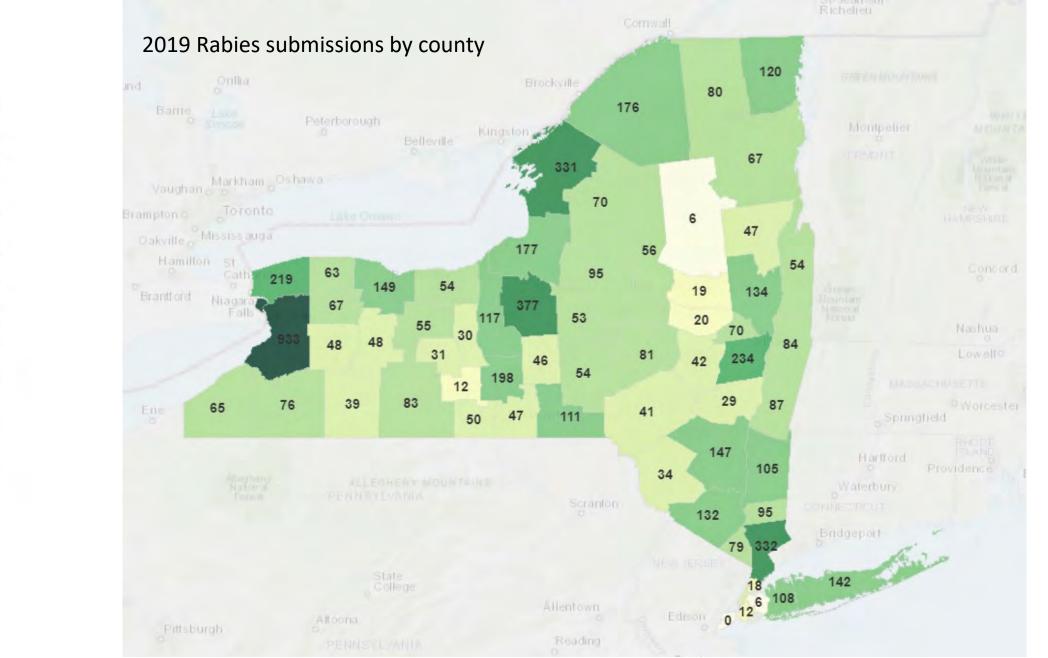
All rabies positive specimens were variant typed during 2019. All rabid terrestrial animals were infected with raccoon rabies with the exception of a gray fox that was infected with big brown bat rabies. All bat species were infected with a homologous rabies virus variant except a little brown bat that was infected with a big brown bat variant.

In 2019 we began releasing results for samples that were inclusive on dFAT using a molecular assay and if specimen met certain public health criteria.

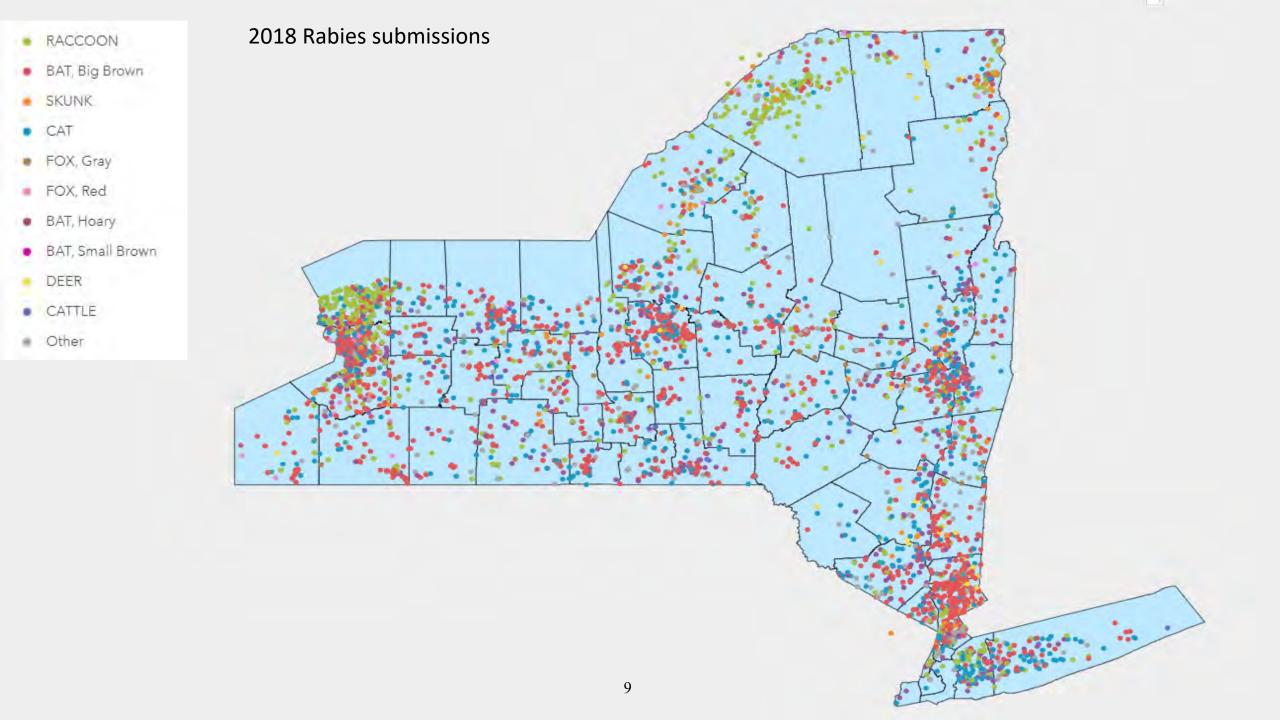
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Specimens Received																	
Animal specimens	8236	8459	8318	8928	9730	9345	7275	6642	6430	6657	5689	6710	6055	7200	9235	7974	7224
Human Sera	2105	2258	2179	2000	2167	1529	1272	1042	694	1086	877	885	830	1227	1087	849	1072
Animal Sera-serum neutralization	852	2108	2806	1290	1389	3003	1503	1815	753	1080	2524	8486	7238	4966	4481	2,890	3,522
Animal-variant typing	166	160	17	138	132	88	92	82	83	31	64	89	207	553	611	622	573
Human-Diagnostic testing	5	6	8	8	3	4	2	4	10	0	1	1	2	1	2	3	1
Specimens Tested		-				-	-		-	-						-	
Direct Fluorescent Antibody	8236	8459	8318	8928	9730	9345	7275	6642	6430	6657	5689	6710	6055	7200	9235	7947	7224
Neutralization for rabies antibody	2957	4366	4985	3290	3556	4532	2775	2857	1717	2166	3401	9371	8789	5797	4256	5697	4036
Cell culture virus isolation	169	177	152	151	128	116	110	104	104	110	135	110	53	79	2	0	0
Variant Typing	166	160	17	138	132	88	91	82	83	200	64	56	53	553	611	622	573
PCR/cell culture parallel testing	0	0	0	0	0	0	0	0	0	1500	0	220	0	760	1292	0	0
PCR only for backup testing	N/A	79	104	1267	1188												
Human Diagnostic Testing														4	8	12	4
Workload Performed		-				-	-		-	-						-	
Direct Fluorescent Antibody	15100	18200	17500	17225	16450	15525	11449	10398	20138	24429	17352	25840	30378	19317	24939	16639	20481
Neutralization for rabies antibody	3553	5842	6949	4193	4528	6634	3827	4128	2244	2922	4359	14987	14057	6456	6326	6563	5094
Cell culture virus isolation	830	800	85	690	660	440	460	410	415	2000	135	220	265	1	2	3	1
Monoclonal Antibody Testing	166	160	17	138	132	88	92	82	83	400	174	N/A	N/A	1	N/A	N/A	N/A
Human Diagnostic Testing	45	54	72	72	27	36	18	36	90	0	78	25	27	29	20	84	28
PCR variant typing										31	64	89	207	685	835	622	573
PCR testing										9576	648	916	2463	2280	3876	4530	4250
WGS testing										N/A	N/A	N/A	N/A	N/A	3	46	41
DFAT Positive screening procedure										735	805	759	636	714	727	719	205
Non-Specific Staining Procedure.										75	46	60	65	77	158	161	152
Canine Distemper testing in Wildlife																54	30

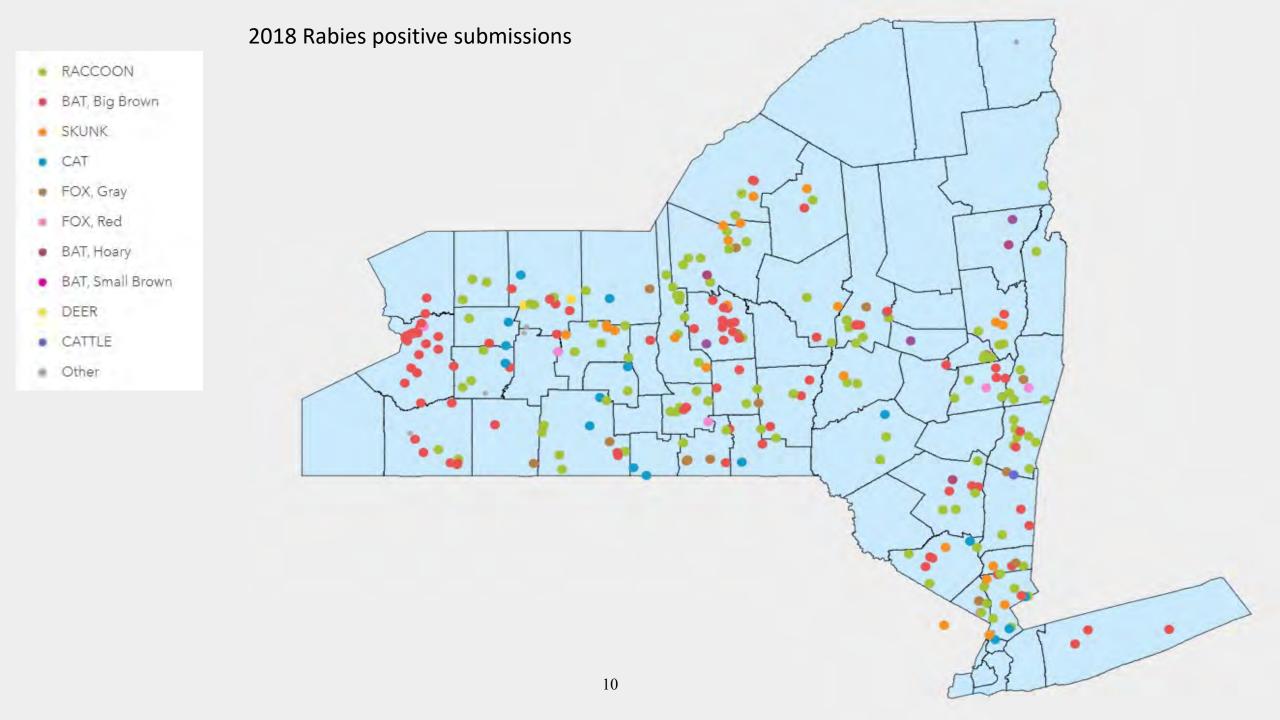


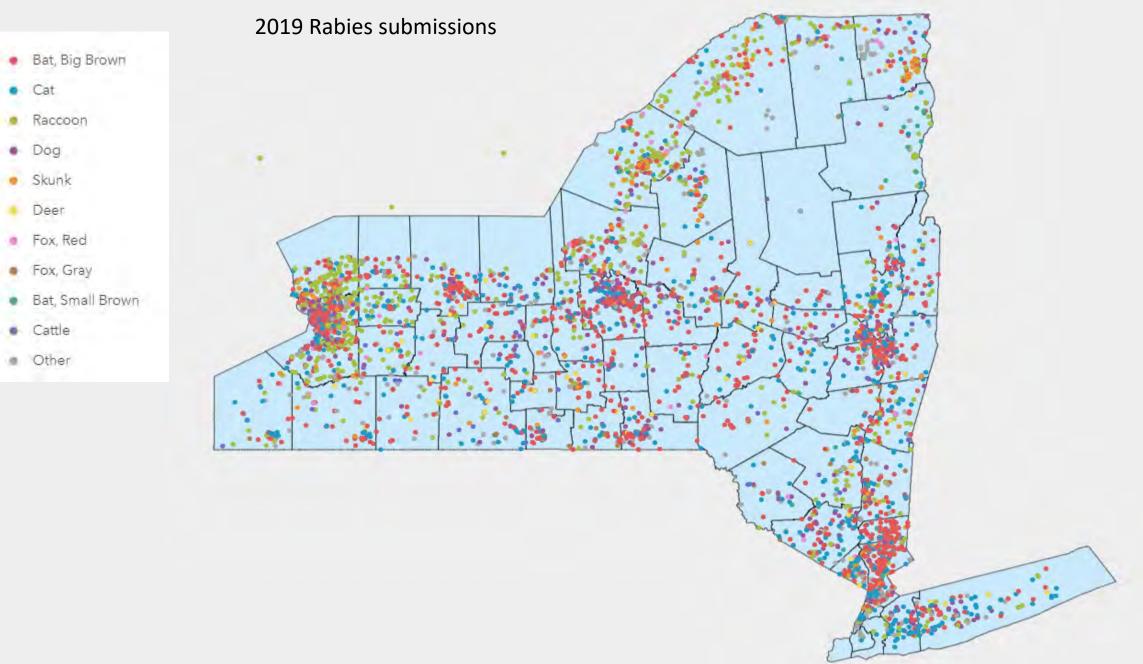


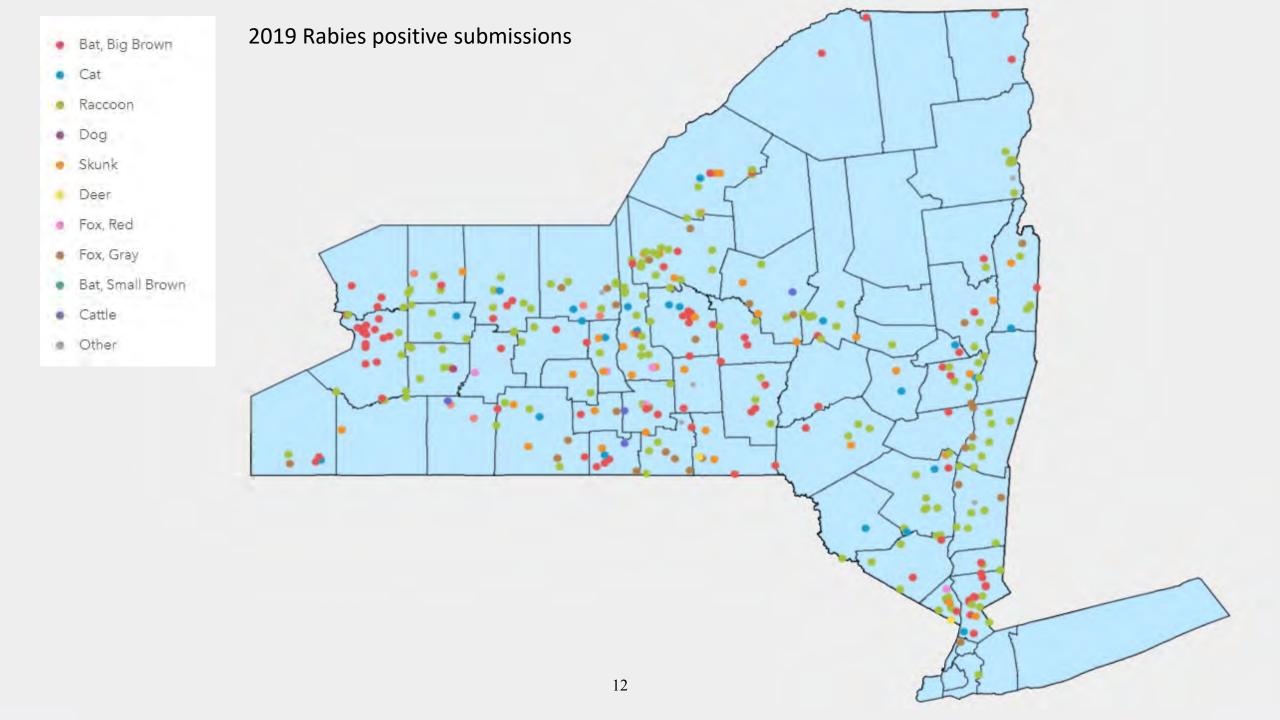


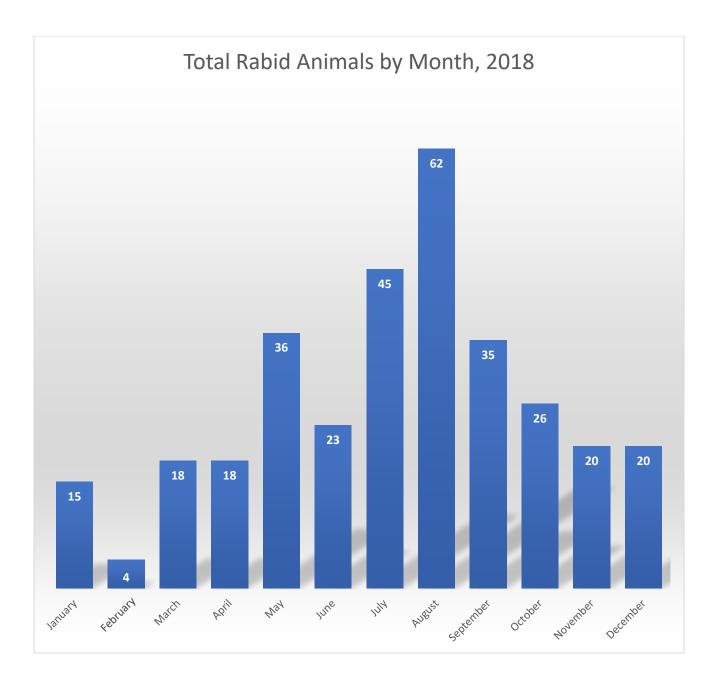


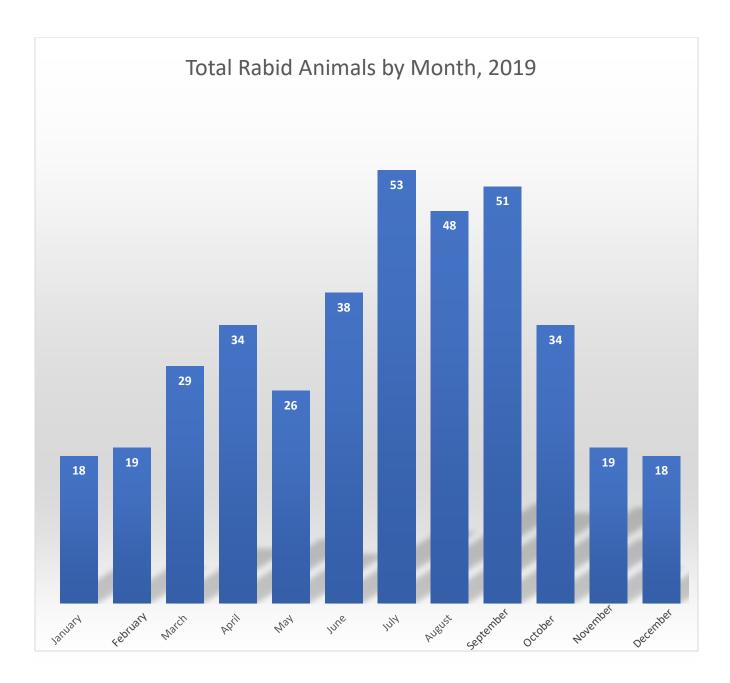












Report of N.Y. State Dept. of Health Rabies Laboratory 01/01/2018 to 12/31/2018 Number examined ... Number positive

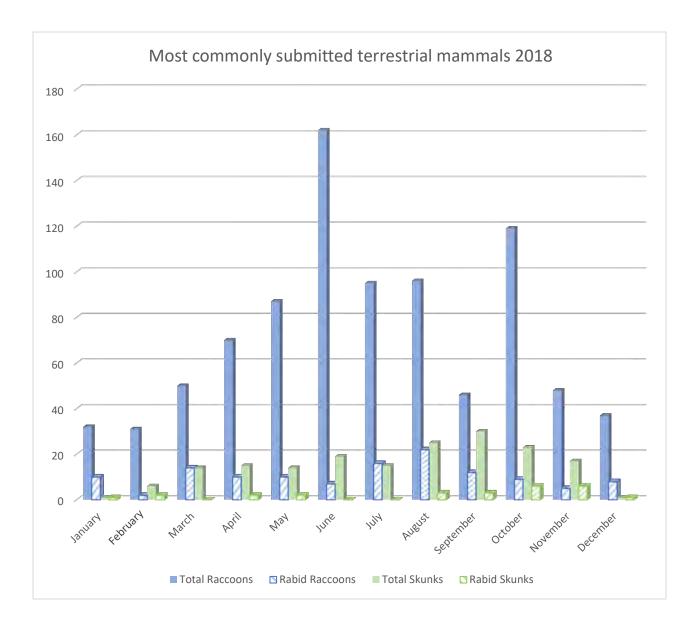
COUNTY	De	ogs	C	Cats	Ca	attle	Oth Dome		Sk	unk	F	ox	В	ats	Racc	oons	Rod Lagar	ents norphs		her ⁄ild		Total Positive
Albany	20	0	36	1	1	0	2	0	4	1	1	1	111	3	10	5	12	0	6	0	203	11
Allegany	3	0	4	0	0	0	1	0	0	0	1	1	21	2	4	0	1	0	5	1	40	4
Bronx	1	0	2	0	0	0	0	0	1	1	0	0	2	0	1	0	1	0	0	0	8	1
Broome	12	0	24	1	0	0	2	0	0	0	1	0	36	0	1	1	1	0	10	0	87	2
Cattaraugus	4	0	6	0	2	0	3	0	0	0	3	0	68	5	11	2	2	1	11	0	110	8
Cayuga	12	0	7	0	0	0	3	0	3	2	2	1	61	0	8	7	2	0	4	0	102	10
Chautauqua	2	0	10	0	0	0	1	0	0	0	2	0	30	0	6	0	2	0	3	0	56	0
Chemung	5	0	9	2	0	0	0	0	1	0	1	0	30	0	0	0	0	0	3	0	49	2
Chenango	11	0	11	0	0	0	0	0	0	0	2	1	43	4	7	3	1	0	2	0	77	8
Clinton	15	1	9	0	1	0	0	0	32	0	2	0	16	0	26	0	0	0	3	0	104	1
Columbia	1	0	17	0	3	1	6	0	7	1	2	1	31	2	15	9	4	0	5	0	91	14
Cortland	4	0	7	0	0	0	0	0	0	0	0	0	18	1	2	2	0	0	1	0	32	3
Delaware	2	0	9	1	1	0	0	0	0	0	1	0	17	0	5	2	0	0	2	0	37	3
Dutchess	10	0	7	0	2	0	5	0	3	0	2	1	78	3	9	2	1	0	2	1	119	7
Erie	114	0	134	0	0	0	1	0	12	0	13	1	505	21	94	0	10	0	11	0	894	22
Essex	0	0	9	0	1	0	1	0	4	0	4	0	16	0	8	1	2	0	2	0	47	1
Franklin	8	0	4	0	0	0	0	0	2	0	2	0	13	0	16	0	1	0	6	Õ	52	0
Fulton	4	0	5	0	0	0	0	0	0	0	0	0	4	0	10	1	1	0	0	0	15	1
Genesee	5	0	12	2	0	0	1	0	0	0	0	0	17	1	1	1	1	0	2	0	39	4
Greene	6	0	4	0	1	0	1	0	0	0	0	0	17	0	1 2	0	1	0	4	0	29	4
Hamilton	0	0	4	0	0	0	0	0	0	0	0	0		0	2	0	0	0	4	0	29 14	0
Hamilton Herkimer		0	8	1	5	0	0	0		0	2	1	6 47	4	8	5	2	0	8 3	0	14 78	
	2								1			-										11
Jefferson	7	0	20	0	1	0	1	0	40	2	10	0	49	2	37	2	1	0	5	0	171	6
Kings	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	3	0
Lewis	2	0	5	0	0	0	5	0	3	1	3	0	23	1	5	1	2	0	0	0	48	3
Livingston	7	0	8	0	0	0	3	1	0	0	0	0	20	0	5	1	1	0	8	0	52	2
Madison	3	0	8	0	0	0	1	0	0	0	0	0	21	0	0	0	0	0	1	0	34	0
Monroe	14	0	35	2	0	0	1	1	1	1	1	0	91	5	11	4	1	0	4	2	159	15
Montgomery	3	0	7	0	0	0	4	0	0	0	0	0	11	1	3	0	0	0	2	0	30	1
Nassau	22	0	58	0	0	0	0	0	1	0	0	0	10	1	49	0	2	0	1	0	143	1
New York	3	0	3	1	0	0	0	0	1	0	0	0	2	0	12	0	13	0	0	0	34	1
Niagara	20	0	36	0	1	0	4	0	3	0	1	0	60	2	176	0	1	0	3	0	305	2
Oneida	6	0	16	0	0	0	1	0	1	1	0	0	54	1	4	2	0	0	1	0	83	4
Onondaga	36	0	56	0	0	0	3	0	4	1	3	1	275	13	6	1	2	0	6	0	391	16
Ontario	3	0	18	0	4	0	1	0	4	3	2	1	43	0	11	6	0	0	3	0	89	10
Orange	25	0	31	1	0	0	3	0	1	1	0	0	47	3	8	3	6	0	4	0	125	8
Orleans	3	0	6	0	2	0	1	0	0	0	0	0	14	0	4	3	2	0	7	1	39	4
Oswego	14	0	22	0	0	0	6	0	5	2	5	2	72	1	20	8	3	0	3	0	150	13
Otsego	2	0	10	0	3	0	1	0	2	1	0	0	46	0	4	2	3	0	8	0	79	3
Putnam	2	0	6	0	0	0	1	0	1	1	1	1	76	1	2	1	3	0	1	0	93	4
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
Rensselaer	10	0	13	0	0	0	2	0	0	0	5	3	17	0	7	4	3	0	5	0	62	7
Richmond	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Rockland	1	0	13	0	0	0	0	0	0	0	5	4	22	0	6	3	3	0	1	0	51	7
Saratoga	25	0	31	0	1	0	2	0	10	2	5	0	22	1	8	3	3	0	4	0	111	6
Schenectady	23 14	0	15	0	1	0	2	0	10	0	1	0	42	2	6	4	0	0	3	0	85	6
Schoharie	14	0	9	0	1	0	2	0	2	0	0	0	42	0	4	4	1	0	5	0	83 37	0
		0								0						0		0	5 5	0	37 24	
Schuyler	3		5	0	0	0	0	0	0		1	0	8	0	2		0					0
Seneca	2	0	2	0	1	0	1	0	0	0	0	0	18	1	0	0	1	0	0	0	25	1
St. Lawrence	3	0	8	0	2	0	6	0	8	0	11	0	38	0	159	0	1	0	14	0	250	0
Steuben	18	0	20	2	3	0	1	0	2	0	2	1	34	2	14	6	0	0	10	1	104	12
Suffolk	9	0	44	0	0	0	2	0	0	0	0	0	40	3	14	0	5	0	6	0	120	3
Sullivan	5	0	7	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	3	0	18	1
Fioga	3	0	15	0	1	0	0	0	0	0	3	3	19	2	2	2	2	0	3	0	48	7
Fompkins	10	0	19	0	7	0	0	0	3	1	5	3	157	7	7	5	5	2	6	0	219	18
Ulster	20	0	32	0	0	0	0	0	7	1	0	0	55	5	8	7	6	0	9	0	137	13
Warren	14	0	7	0	0	0	0	0	0	0	1	0	9	2	0	0	2	0	5	0	38	2
Washington	6	0	15	0	4	0	2	0	0	0	1	0	20	0	5	3	2	0	2	0	57	3
Wayne	4	0	14	1	2	0	2	0	0	0	1	1	19	0	3	1	0	0	3	0	48	3
Westchester	25	0	49	2	0	0	1	0	10	3	2	0	310	3	29	8	9	0	6	2	441	18
Wyoming	2	0	10	2	3	Ő	1	1	0	0	0	0	20	1	3	3	0	0	6	0	45	7
•	3	0	3	1	0	0	1	0	0	0	0	0	10	0	3	1	0	0	2	0	22	2
Yates	ر																					

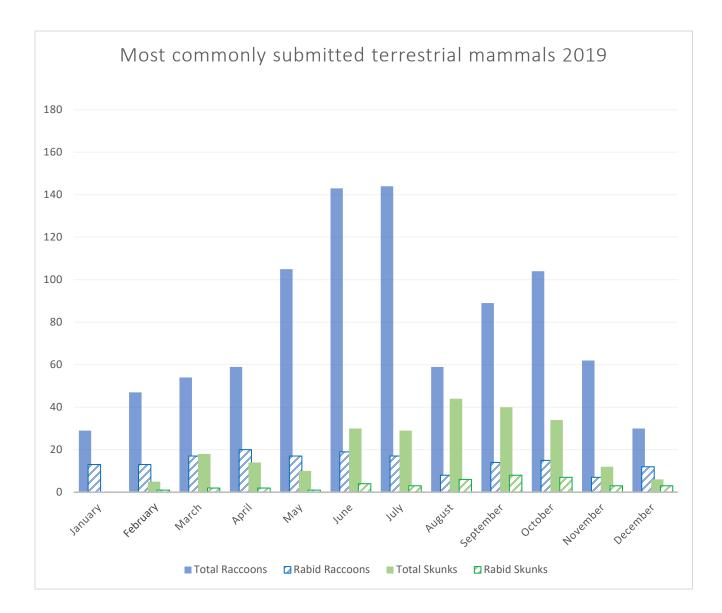
Any unlisted county had no specimens processed during the reporting period.

Report of N.Y. State Dept. of Health Rabies Laboratory 01/01/2019 to 12/31/2019 Number examined ... Number positive

Albary 34 0 46 1 1 2 1 2 1 0 4 0 232 Allegary 1 0 4 0 2 1 4 2 0 0 0 0 0 0 2 1 1 1 2 1 0 3 0 3 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <th1< th=""></th1<>	COUNTY	De	ogs	C	Cats	Ca	ttle	Oth Dome		Sk	unk	F	ox	В	ats	Raco	coons	Rod Lagar	ents norph	Otl s W	her ïld		Total Positive
Aldeging 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </th <th>Albany</th> <th>34</th> <th>0</th> <th>46</th> <th>1</th> <th>1</th> <th>0</th> <th>7</th> <th>0</th> <th>4</th> <th>1</th> <th>3</th> <th>1</th> <th>112</th> <th>2</th> <th>10</th> <th>5</th> <th>11</th> <th>0</th> <th>4</th> <th>0</th> <th>232</th> <th>10</th>	Albany	34	0	46	1	1	0	7	0	4	1	3	1	112	2	10	5	11	0	4	0	232	10
Browne 3 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td>2</td> <td></td> <td>3</td>	2																						3
Catamangy 1 0 1 0 1 0 1 1 1 1 1 0 7 0 7 0 7 0 7 0 7 0 7 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•••			3			0	0		0	0	0			0		0		0	0	0	16	0
Cayaga 11 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 </td <td>Broome</td> <td>22</td> <td>0</td> <td>18</td> <td>0</td> <td>0</td> <td>0</td> <td>3</td> <td>0</td> <td>3</td> <td>2</td> <td>1</td> <td>1</td> <td>51</td> <td>2</td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> <td>7</td> <td>0</td> <td>107</td> <td>5</td>	Broome	22	0	18	0	0	0	3	0	3	2	1	1	51	2	0	0	2	0	7	0	107	5
Chamang 1 0 1 0 2 1 2 1 2 1 1 0 2 1 0 2 1 1 1 1 1 1 1 1 1 0 2 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>Cattaraugus</td> <td>1</td> <td>0</td> <td>12</td> <td>0</td> <td>1</td> <td>0</td> <td>3</td> <td>0</td> <td>2</td> <td>1</td> <td>2</td> <td>0</td> <td>35</td> <td>0</td> <td>13</td> <td>1</td> <td>1</td> <td>0</td> <td>7</td> <td>0</td> <td>77</td> <td>2</td>	Cattaraugus	1	0	12	0	1	0	3	0	2	1	2	0	35	0	13	1	1	0	7	0	77	2
Chemang 4 0 13 1 1 1 2 1 1 2 1 1 2 1 1 1 0 1 0 1 0 1 0 0 1 0 0 1 0 1 1 1 2 0 2 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>Cayuga</td> <td>11</td> <td>0</td> <td>19</td> <td>2</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>5</td> <td>4</td> <td>1</td> <td>1</td> <td>57</td> <td>1</td> <td>16</td> <td>9</td> <td>2</td> <td>0</td> <td>4</td> <td>0</td> <td>116</td> <td>17</td>	Cayuga	11	0	19	2	0	0	1	0	5	4	1	1	57	1	16	9	2	0	4	0	116	17
Chemango 4 0 1 0 2 0 2 0 2 0 54 Clama 1 0 2 0 2 0 2 0 2 0 2 0 2 0 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <	Chautauqua	1	0	18	1	1	0	5	0	1	0	2	1	21	2	13	1	0	0	4	0	66	5
Citanon i 0 9 0 2 0 2 0 2 0 2 0 2 0 4 0 0 2 0 4 0 0 0 1 0 0 1 0 2 0 4 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 4 0 1 1 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>Chemung</td> <td>4</td> <td>0</td> <td>13</td> <td>1</td> <td>2</td> <td>1</td> <td>1</td> <td>0</td> <td>2</td> <td>1</td> <td>1</td> <td>1</td> <td>20</td> <td>3</td> <td>3</td> <td>0</td> <td>1</td> <td>0</td> <td>1</td> <td>0</td> <td>48</td> <td>7</td>	Chemung	4	0	13	1	2	1	1	0	2	1	1	1	20	3	3	0	1	0	1	0	48	7
Calumbia 6 0 7 0 2 0 1 0 2 0 1 0 2 0 1 0 2 0 1 0 2 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>U</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6</td>	U							0								6							6
Cardiand 9 0 7 0 2 0 1 1 2 0 16 1 0 0 0 9 0 40 Datchess 7 0 27 0 0 3 0 2 0 40 16 1 0 16 1 16 1 16 17 1 105 Effer 16 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td></td> <td>2</td>								4															2
Dehware 2 0 1 0 1 0 1 0 1 0 8 3 0 0 7 1 0 1 0 1 0 6 2 0 7 1 0 7 1 0 7 1 0 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td>11</td>																							11
Duches 7 0 0 0 3 0 2 0 3 2 44 0 10 6 2 0 7 0 Exace 3 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td>4</td>																							4
Erie 126 0 118 0 0 0 9 0 9 0 90 12 14 0 12 0 13 0 74 Frankin 6 0 5 0 13 0 0 0 18 0 12 0 13 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0																							5
Essex 3 0 5 0 0 0 4 0 0 0 1 0 1 0 74 Franklin 6 0 5 0 1 0 4 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <																							9
Franklin 6 0 5 0 1 0 3 0 4 0 3 0 4 0 2 2 2 2 0 0 0 1 Faltion 3 0 15 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																							24 13
Fulton 3 0 5 0 1 0 0 0 0 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td>13</td>																							13
Genesse 3 0 15 1 1 0 2 0 0 1 1 1 3 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0<																							0
Greene 4 0 0 0 1 0 0 0 1 1 1 1 1 1 1 1 0 0 0 0 3 0 3 0 3 0 5 Identine 1 0 1 1 0 2 1 7 7 7 0 3 0 5 Identine 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																							6
Hamilton 1 0 0 0 1 0 1 0 1 0 0 0 0 3 0 5 Herkiner 4 0 7 1 0 0 0 0 1 1 1 0 0 0 3 0 1 0 3 0 1 0 3 0 1 0 3 0 1 0 2 1 0 1 0 2 1 0 1 0 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0																							2
Herkimer 4 0 7 1 2 0 0 0 7 3 1 0 0 7 7 2 0 3 0 356 lefferson 13 0 10 0 0 0 0 75 3 14 0 75 2 1 7 7 2 0 3 3 3 0 14 0 75 2 0 7 0 3 0 3 0 14 0 7 0 2 0 1 0 0 1 0 2 0 1 0 1 0 2 0 2 0 3 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td>0</td>																							0
Ideferson 13 0 1 1 0 0 7 3 14 0 75 2 129 4 2 0 7 0 3335 Kings 0 0 1 0 0 0 0 0 1 0 5 0 73 1 0 73 1 0 73 1 0 0 3 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 <td></td> <td>10</td>																							10
Kings 0 0 1 0 0 0 0 0 3 0 1 0 5 0 2 0 12 Lewis 4 0 10 0 3 0 4 0 6 0 1 0 28 0 11 2 1 0 5 0 2 0 33 0 0 0 28 0 11 2 1 0 5 0 2 0 33 0 0 0 16 11 2 0 0 2 0 28 0 0 2 0 2 0 33 0 0 0 0 10 0 0 0 11 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																							10
Lewis 4 0 1 0 2 0 1 0 2 1 0 5 0 73 Livingston 2 0 1 2 0 1 0 0 8 0 45 0 56 Marison 17 0 23 1 0 0 0 0 0 0 8 6 1 0 1 0 15 0 12 0 1 0 16 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 1 12 13 11 11 12 13 11 13 11 11 11 12 11 11 11 11						0																	0
Madison 10 0 8 1 2 0 0 0 0 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1<	-	4	0	10	0	3	0	4	0	6	0	1	0		0	11	2	1	0		0	73	2
Madison 10 0 8 1 2 0 0 0 0 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1<	Livingston	2	0	12	0	0	0	3	0	0	0	2	1	16	1	2	1	0	0	8	0	45	3
Montgomery 2 0 2 0 3 0 0 0 7 0 2 1 1 0 1 0 10 12 0 5 0 2 0 11 0 11 0 12 0 5 0 2 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0<		10	0	8	1	2	0	0	0	0	0	0	0	25	3	9	2	0	0	2	0	56	6
Nassu 21 0 58 0 0 0 1 0 0 0 11 0 12 0 5 0 2 0 111 New York 2 0 6 0 0 0 1 0 0 0 11 0 4 0 0 0 2 1 0 1 0 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Monroe	17	0	23	1	0	0	2	0	2	0	2	0	84	3	8	6	1	0	11	0	150	10
New York 2 0 6 0 0 0 1 0 0 3 0 11 0 2 0 217 Niagara 13 0 18 0 1 0 1 0 1 0 5 0 63 0 1 0 2 0 3 1 1 2 38 0 8 2 1 0 2 0 377 Onndaga 67 0 60 2 1 0 2 0 0 0 1 1 1 1 2 0 30 1 1 2 2 2 2 0 0 4 0 6 6 13 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Montgomery	2	0	2	0	2	0	3	0	0	0	0	0	7	0	2	1	1	0	1	0	20	1
Niagara 13 0 18 0 1 0 1 0 5 0 61 3 106 2 1 0 2 0 219 Oneida 11 0 19 0 1 1 5 0 8 4 2 2 38 0 8 2 1 0 1 0 94 Oneida 1 0 1 0 2 0 3 1 1 1 1 1 1 1 1 1 1 2 0 0 1 0 377 Ontario 3 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nassau	21	0	58	0	0	0	1	0	1	0	0	0	11	0	12	0	5	0	2	0	111	0
Oneida 11 0 19 0 1 1 5 0 8 4 2 2 38 0 8 2 1 0 1 0 94 Onondaga 67 0 60 2 1 0 2 0 3 1 1 1 230 7 4 1 2 0 7 0 377 Onarde 25 0 14 0 0 0 0 2 2 2 2 2 0 8 0 1377 Orleans 2 0 14 0 1 1 1 1 2 0 3 1 1 1 3 2 1 1 0 0 0 1 1 1 1 2 0 3 1 1 1 1 1 1 1 1 1 1 0 1 0 1 0 1 1 1 1 1 0 1 1 <t< td=""><td>New York</td><td>2</td><td>0</td><td>6</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>3</td><td>0</td><td>11</td><td>0</td><td>4</td><td>0</td><td>0</td><td>0</td><td>27</td><td>0</td></t<>	New York	2	0	6	0	0	0	0	0	1	0	0	0	3	0	11	0	4	0	0	0	27	0
Onondaga 67 0 60 2 1 0 2 0 3 1 1 1 230 7 4 1 2 0 7 0 377 Ontario 3 0 10 1 4 0 1 0 0 0 32 2 2 2 2 0 0 4 0 56 Orange 25 0 34 0 0 1 1 1 1 2 0 30 1 1 3 2 1 4 0 65 Orkago 16 0 10 0 1 0 1 0 1 0 1 0 1 2 70 3 40 1 0 7 0 11 0 0 0 0 1 1 0 1 0 1 1 1 0 1 1 1 1 1 1 0 0 1 1 1 1 1	Niagara	13		18		1	0		0									1		2		219	5
Ontario 3 0 10 1 0 0 0 32 2 2 2 0 0 4 0 56 Orange 25 0 34 0 0 1 0 2 0 5 1 42 2 12 4 2 0 8 0 131 Orleans 2 0 11 0 1 1 1 1 2 0 30 1 11 3 2 1 4 0 6 65 Owego 4 0 12 0 0 0 1 0 52 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																							9
Orange 25 0 34 0 0 0 1 0 2 0 5 1 42 2 12 4 2 0 8 0 131 Orleans 2 0 11 0 1 1 1 1 1 2 0 30 1 11 3 2 1 4 0 65 Oswego 16 0 10 0 2 0 0 0 1 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-																						12
Orlean20110101111120301113214065Oswego160100209012411270340171070178Otsego4012000001052111000095Queens001000000002000095Queens00101104020038075105083Rockland303000000038075105083Schenectady1302410000111111111100001075101074Scholarite10016100201111111000010101010101011<																							5
Oswego 16 0 10 0 2 0 9 0 12 4 11 2 70 3 40 17 1 0 7 0 178 Otsego 4 0 12 0 0 0 0 0 1 0 52 1 1 0 0 0 0 0 9 Queens 0 0 1 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-																						7
Otsego 4 0 12 0 0 0 1 0 1 0 52 1 1 0 0 0 0 9 Putnam 1 0 9 0 0 0 0 0 0 0 0 79 1 3 3 2 0 0 0 95 Queens 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td>7</td>																							7
Purod 1 0 9 0 0 0 1 0 0 7 1 3 3 2 0 0 0 95 Queens 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>26</td></td<>																							26
Queens 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td>-</td> <td></td> <td>1</td>	-																						1
Rensselaer 15 0 10 1 1 0 4 0 2 0 0 38 0 7 5 1 0 5 0 83 Rensselaer 13 0 30 0 0 0 0 3 1 2 1 20 1 11 5 8 2 3 1 80 Saratoga 13 0 44 0 0 0 2 0 6 1 6 1 41 1 12 3 5 0 3 0 132 Schenectady 13 0 24 1 0 0 0 1 1 1 1 1 0 3 0 1 0 74 5 0 3 0 1 0 74 0 0 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 3 3 3		1				0				1	•				1		0	2					-
Rockland 3 0 30 0 0 0 0 3 1 2 1 20 1 11 5 8 2 3 1 80 Saratoga 13 0 44 0 0 0 2 0 6 1 6 1 41 1 12 3 5 0 3 0 132 Schenectady 13 0 24 1 0 0 0 1 1 0 0 3 0 1 0 74 Schoharie 10 0 16 1 0 0 2 0 1 1 1 1 1 0 0 0 2 0 12 Schuyler 0 0 2 0 1 1 0 0 0 0 2 0 14 1 0 0 2 0 14 0 14 0 177 Stepeca 3 0 45 0	-																						0 6
Saratoga 13 0 44 0 0 0 2 0 6 1 6 1 41 1 12 3 5 0 3 0 132 Schenectady 13 0 24 1 0 0 0 1 0 0 31 1 1 0 3 0 1 0 74 Schoharie 10 0 16 1 0 0 2 0 1 1 0 0 3 0 1 0 74 Schuyler 0 0 16 1 0 0 2 0 1 1 1 1 4 1 0 0 0 2 0 12 Sencea 3 0 12 0 1 0 2 0 3 3 3 3 22 2 11 4 1 0 0 0 2 0 3 0 2 0 3 3 3 <																							11
Schenetady 13 0 24 1 0 0 0 1 0 0 31 1 1 0 3 0 1 0 74 Schoharie 10 0 16 1 0 0 2 0 1 1 1 0 0 8 0 3 0 1 0 4 0 4 0 4 0 4 0 12 0 12 1 1 1 1 1 4 1 0 0 0 2 0 12 1 0 0 0 3 0 2 0 11 0 5 0 66 1 62 0 0 14 0 177 Steuben 8 0 23 1 3 0 2 0 3 3 3 3 22 2 11 4 1 0 10 0 8 8 137 SupportSupport14 0 10 1 10 <td></td> <td>6</td>																							6
Schoharie 10 0 16 1 0 0 2 0 1 1 1 0 0 8 0 3 0 1 0 4 0 4 0 4 0 1 1 1 1 1 4 1 0 0 0 2 0 12 Seneca 3 0 4 0 0 2 0 11 0 0 8 0 4 1 0 0 3 0 29 12 Steneca 3 0 12 0 1 0 2 0 11 0 5 0 66 1 62 0 0 14 0 177 Steuben 8 0 23 1 3 0 2 0 37 3 14 0 10 0 86 Suffolk 23 0 4 0 0 0 0 0 2 0 77 0 2 1	U																						2
Schuyler 0 0 2 0 1 1 1 1 4 1 0 0 0 2 0 12 Seneca 3 0 4 0 0 3 2 0 0 8 0 4 1 0 0 3 0 29 St. Lawrence 4 0 12 0 1 0 2 0 11 0 5 0 66 1 62 0 0 14 0 10 0 86 86 Suffolk 23 0 23 1 3 0 2 0 37 3 32 2 2 11 4 1 0 10 0 86 86 10 0 0 0 2 0 37 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 14 0 0 2 0 <th< td=""><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2</td></th<>	•																						2
Sened 3 0 4 0 0 3 2 0 0 8 0 4 1 0 0 3 0 29 St. Lawrence 4 0 12 0 1 0 2 0 11 0 5 0 66 1 62 0 0 14 0 10 0 86 Steuben 8 0 23 1 3 0 2 0 3 3 3 32 2 11 4 1 0 10 0 86 Suffolk 23 0 45 0 0 0 0 0 2 0 37 0 14 0 2 0 14 0 3 3 3 3 3 3 12 0 14 0 0 0 34 16 137 Sullivan 5 0 9 1 1 0 0 2 0 7 3 131 2																		-					3
St. Lawrence401201020110506616200140177Steuben80231302033332221141010086Suffolk2304500000002037014020140137Sullivan509110100002037014020140137Sullivan509110100002077021304034Tioga4080002005419143008150Tompkins1202203110101141471291040101146Warren8080010110261210101010101141211431<0<	-																						3
Steuben 8 0 23 1 3 0 2 0 3 3 3 3 22 2 11 4 1 0 10 0 86 Suffolk 23 0 45 0 0 0 0 0 0 0 0 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 14 0 0 0 14 0 0 0 14 0 15 15 13 3 2 0 14 1 11 14 14 14 14 14 14 14 14 1 </td <td></td> <td>1</td>																							1
Suffolk 23 0 45 0 0 0 0 0 2 0 37 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 14 0 2 0 137 Sullivan 5 0 9 1 1 0 1 0 0 0 0 2 0 7 0 2 1 3 0 4 0 34 Tioga 4 0 8 0 0 0 2 0 3 131 2 9 3 2 0 30 14 14 4 1 47 1 29 10 4 0 10 1 44 1 47 1 29 10 4 0 1 14 14 1 21 1 4 3																							13
Finga 4 0 8 0 0 0 2 0 0 0 5 4 19 1 4 3 0 0 8 1 50 Fompkins 12 0 22 0 3 1 2 0 4 2 7 3 131 2 9 3 2 0 9 0 201 Ulster 15 0 31 3 2 0 3 0 1 1 4 1 47 1 29 10 4 0 10 1 146 Warren 8 0 8 0 0 1 0 1 0 26 1 2 1 0 0 2 0 49 Washington 7 0 8 1 2 0 1 0 1 1 4 1 21 1 4 3 1 0 1 0 50 Washington 7 0					0		0		0				0				0	2	0		0		0
Tompkins 12 0 22 0 3 1 2 0 4 2 7 3 131 2 9 3 2 0 9 0 201 Ulster 15 0 31 3 2 0 3 0 1 1 4 1 47 1 29 10 4 0 10 1 146 Warren 8 0 8 0 0 1 0 1 0 26 1 2 1 0 0 2 0 49 Washington 7 0 8 1 2 0 1 0 1 1 4 1 21 1 4 3 1 0 1 0 50 Washington 7 0 8 1 2 0 1 1 4 1 21 1 4 3 1 0 1 0 50 Wayne 4 1 16 1	Sullivan	5	0	9	1	1	0	1	0	0	0	2	0	7	0	2	1	3	0	4	0	34	2
Ulster 15 0 31 3 2 0 3 0 1 1 4 1 47 1 29 10 4 0 10 1 146 Warren 8 0 8 0 0 1 0 1 0 26 1 2 1 0 0 2 0 49 Washington 7 0 8 1 2 0 1 0 1 1 4 1 21 1 4 3 1 0 1 0 50 Washington 7 0 8 1 2 0 1 0 1 1 4 1 21 1 4 3 1 0 1 0 50 Wayne 4 1 16 1 3 0 3 2 0 0 3 3 14 0 6 5 2 0 3 54 Westchester 17 0 48	Гioga	4	0	8	0	0	0	2	0	0	0	5	4	19	1	4	3	0	0	8	1	50	9
Warren 8 0 8 0 0 0 1 0 1 0 26 1 2 1 0 0 2 0 49 Washington 7 0 8 1 2 0 1 0 1 1 26 1 2 1 0 0 2 0 49 Washington 7 0 8 1 2 0 1 1 4 1 21 1 4 3 1 0 1 0 50 Wayne 4 1 16 1 3 0 3 2 0 0 3 3 14 0 6 5 2 0 3 0 54 Westchester 17 0 48 1 0 0 1 0 6 1 0 2 0 15 6 1 1 5 0 47 Westchester 17 0 5 0 3 0	Fompkins	12	0	22	0	3	1		0	4	2	7	3	131	2		3	2	0	9	0	201	11
Washington 7 0 8 1 2 0 1 0 1 1 4 1 21 1 4 3 1 0 1 0 50 Wayne 4 1 16 1 3 0 3 2 0 0 3 3 14 0 6 5 2 0 3 0 54 Westchester 17 0 48 1 0 0 1 0 6 1 0 245 10 8 4 6 0 2 0 333 Wyoming 1 0 5 0 3 0 0 0 2 0 15 6 1 1 5 0 47	Ulster	15	0	31	3	2	0	3	0	1	1	4	1	47	1	29	10	4	0	10		146	17
Wayne 4 1 16 1 3 0 3 2 0 0 3 3 14 0 6 5 2 0 3 0 54 Westchester 17 0 48 1 0 0 1 0 6 1 0 0 245 10 8 4 6 0 2 0 333 Wyoming 1 0 5 0 3 0 0 0 2 0 15 6 1 1 5 0 47		8	0	8	0	0	0	1	0	1	0	1	0	26	1	2	1	0	0	2	0	49	2
Westchester 17 0 48 1 0 0 1 0 6 1 0 0 245 10 8 4 6 0 2 0 333 Wyoming 1 0 5 0 3 0 0 0 2 0 15 6 1 1 5 0 47	Washington	7	0	8	1	2	0	1	0	1	1	4	1	21	1	4	3	1	0	1	0	50	7
Wyoming 1 0 5 0 3 0 3 0 0 0 2 0 12 0 15 6 1 1 5 0 47	•																						12
	Westchester	17															4						16
Yates 7 0 11 0 0 2 0 1 1 0 5 0 1 1 0 0 2 0 30										0													7
	Yates	7	0	11	0	0	0	2	0	1	1	1	0	5	0	1	1	0	0	2	0	30	2

Any unlisted county had no specimens processed during the reporting period.





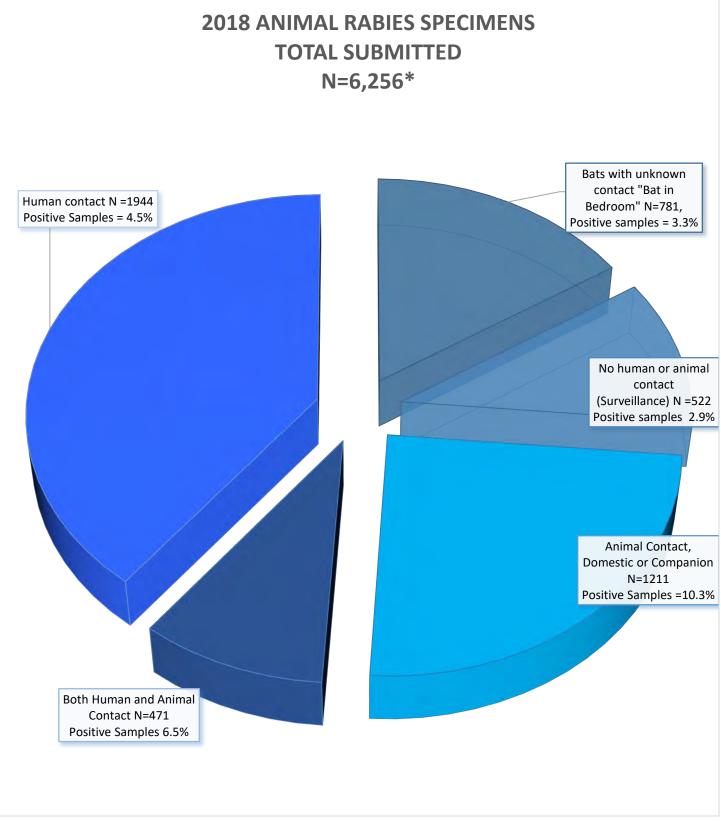
								T.	and the second second		oies Labor ies 14 Yea									
-	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2016*	2017	2017*	2018	2018*	2019	2019*
Bat	118	81	127	104	112	79	68	64	114	83	98	102	81	34	73	58	106	17	94	5
Bear		-	-	104		-		-	-			102	-		-	-	100			
Beaver	-	1	-		-	-	-	-	1		1		-	-	-		1	-	-	-
Bobcat		-	-		-	1		-	1	2	1	-	2	-		2	2	1	1	2
Camel	-			4	2.0	-	-	-	-	-	-		-		-	-	-	-	-	-
Cat	19	21	25	17	24	27	43	38	22	9	25	23	25	1	28	14	20	9	24	-
Cattle	2	9	6	-	6	3	6	7	5	6	5	5	6	-	1	14	1	-	4	
Coyote	1	1	-		1	-	2	-	-	-	1	2	2	1	1	-	2	2	-	-
Deer	3	2	- 2	2	2	-	2	1	5	2	-	2	2	-	1	1	4	-	2	-
Dog	1	1	1	1	1	-	1	1	-	-	1.5.5	-	-	-	1	-	1	-	1	1
Donkey		-	-		-		-	-			_		1	-	-					
Elk		-	-	2.1			-		1411		1	1	-	-					-	-
Fisher		1	1.2	1	-	2	1.4.1		-	1		-	3	-	1		1		1	-
Fox			-		1	-	-	5-10		-	1		-	-			-		-	-
Fox, Gray	25	21	25	17	12	14	31	21	21	27	17	17	18	1	21	18	21	39	29	10
Fox, Red	5	3	6	8	7	10	3	5	7	4	6	10	5	3	2	6	8		6	2
Goat	÷.	17 20 1	-	1.1		1	112-11	1	1		1.0	-	1	-	1	10-10	1		-	
Guineapig	÷.	1.441	-	1.5	5-20		18-50	124.0	le + m	-	1.5-2.1	1.14		2.5.1	-	5-5-5	1.141.1	1.14	1.04	1.54
Horse		2	2	2	1	1	2	14.7.2	1	1	1	1	1		1	1220 2	1	1.4.1	5	1.20
Mink		1.1	-	1.50	2471	1.401	10-0		1	-	1000	1.4	+	2.5.1		54.1	1.14	-	1.1.4	1.54
Mule		1		$1-\frac{1}{2} \leq 1$	1.00	1. Acri	il 승규는	100	-	÷		- 4 I.	4	1.6.1	÷		1.4	1.4.1	1.4	1 - F
Opossum		1043 (1.4	$\mathbb{T} \to \mathbb{T}$	15-001	-	nt-seri	1560	1 Section		-	े जन्म हो	4.	140	1	15-54	1.1	1.14	1.00	1.54
Otter	1		1	100			1	1	1	2			1.5		1		1.00	1.11		1.
Pig		-	÷ (÷	ine-er-		i (÷ní			1.14	-	- 61	-	1		1041	102	1.54
Rabbit	- ÷ -)	-	4		1	÷	i sere	-	· ·		-	이 주네.	1.4		4		(44) (1-2-1	1.420.0	
Raccoon	264	357	320	282	263	226	250	162	186	147	166	133	156	37	113	165	125	141	172	102
Sheep		475	-		1.0	1	1				1		2		1		1		÷ .	-
Skunk	104	89	95	75	63	72	85	62	53	50	45	66	79	66	38	52	26	45	40	32
Woodchuc	5	3	4	6	4	3	5	7	7	3	4	3	8	1	4	2	2	3	4	2
Total	548	592	612	515	498	440	499	370	425	336	372	365	5	36	6	08	322	257	383	155

2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 Alpaca 0 0 0 0 0 0 9 5 6 6 4 11 9 4 6 Bat spp 65 52 32 50 49 125 176 39 16 10 20 10 16 18 15 Bat, Rug proven 2703 2939 2510 2819 2919 2958 3158 2655 2537 2537 2537 329 251 3239 2977 2581 Bat, Nedl Rev 50 44 57 55 43 46 64 37 29 15 0 8 5 12 2 Bat, Medl Brown 96 882 957 16 11 31 32 20 9 10 3 <t< th=""><th>j 7 5 22 81 270° i 0 i 0 i 0 i 13 j 14 2 1455 0 0 0 10 i 10 i 10 i 10 i 10 i 7 0 100 3 71 i 7 0 100 44 119 15 634 11 2 i 6 8 11 1 2 i 6 8 11 1 51 3 47</th><th>7 7 7 72 22 22 2707 286 0 6 5 44 2 2 1 4 32 2 2 1 12 14 33 145 88 0 0 0 15 11 10 55 18 22 10 13 14 33 14 33 14 33 10 55 11 15 11 15 12 11 10 55 10 24 11 13 32 10 59 10 32 10 32 10 6 2 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11<</th><th>7 19 2588 1 0 3 2 18 5 52 1 0 2 13 7 2 25 11 1067 4 59 51 7 140 9 653 3 0 6 5</th><th>total 81 755 50568 284 476 155 431 480 8051 1 211 80 121 23341 1419 150 299 1657 12246 37 16 169 158 43</th></t<>	j 7 5 22 81 270° i 0 i 0 i 0 i 13 j 14 2 1455 0 0 0 10 i 10 i 10 i 10 i 10 i 7 0 100 3 71 i 7 0 100 44 119 15 634 11 2 i 6 8 11 1 2 i 6 8 11 1 51 3 47	7 7 7 72 22 22 2707 286 0 6 5 44 2 2 1 4 32 2 2 1 12 14 33 145 88 0 0 0 15 11 10 55 18 22 10 13 14 33 14 33 14 33 10 55 11 15 11 15 12 11 10 55 10 24 11 13 32 10 59 10 32 10 32 10 6 2 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11 24 11<	7 19 2588 1 0 3 2 18 5 52 1 0 2 13 7 2 25 11 1067 4 59 51 7 140 9 653 3 0 6 5	total 81 755 50568 284 476 155 431 480 8051 1 211 80 121 23341 1419 150 299 1657 12246 37 16 169 158 43
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	5 22 22 81 2700 16 9 2 0 16 10 2 14545 14 14 14 14 14 12 14545 16 16 10 0 0 0 10 10 100 100 100 100 13 71 1 7 0 10 0 0 100 100 100 100 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 12 1 1 1 1 1 51 1 51 53 47 7	22 2: 2707 280 0 6 5 44 2 2 16 12 14 33 145 8: 0 0 15 11: 10 55 7 55 10 2009 100 21 119 91 32 0 6 2 11 22 2 11	19 19 2588 1 0 3 2 18 5 52 4 69 0 0 2 13 7 2 2 25 11 1067 4 59 5 51 7 1400 9 653 3 0 6 22	81 755 50568 284 476 155 431 480 8051 1 211 23341 1419 150 299 1657 12246 37 16 169 158
Bat, Big Brown 2703 2993 2510 2819 2919 2958 3158 2685 2537 2573 3299 2521 3239 2977 2581 Bat, Hoary 10 5 1 6 43 159 6 9 5 6 4 5 6 7 5 Bat, Kong Car 50 44 57 55 43 46 64 37 29 15 0 8 5 12 2 Bat, Mong Car 33 46 64 37 29 15 0 8 5 12 2 2 10 Bat, Singl Brown 906 832 967 883 986 888 917 483 245 159 150 97 668 83 32 Bat, Singl Brown 906 83 928 888 917 483 245 159 150 144 15 15 26 <td>81 270:0 i 0 i 5 o 2 0 16 4 144 14 144 0 0 0 100 15 100 i 18 00 1000 100 1000 14 119 15 634 1 1 2 1 1 2 1 6 8 11 1 51 3 47</td> <td>2007 288 0 6 5 4 2 2 16 11 14 32 145 8: 0 0 15 11: 10 55 18 2: 1009 10: 77 55 10 22 11 33 2 0 6 22 11 22 2 11</td> <td>D1 2588 1 1 0 3 2 18 5 52 1 69 0 0 2 13 7 2 1067 5 9 51 7 140 9 653 3 0 6 22</td> <td>50568 284 476 155 431 480 8051 1 211 80 121 23341 1419 150 299 1657 12246 37 16 169 158</td>	81 270:0 i 0 i 5 o 2 0 16 4 144 14 144 0 0 0 100 15 100 i 18 00 1000 100 1000 14 119 15 634 1 1 2 1 1 2 1 6 8 11 1 51 3 47	2007 288 0 6 5 4 2 2 16 11 14 32 145 8: 0 0 15 11: 10 55 18 2: 1009 10: 77 55 10 22 11 33 2 0 6 22 11 22 2 11	D1 2588 1 1 0 3 2 18 5 52 1 69 0 0 2 13 7 2 1067 5 9 51 7 140 9 653 3 0 6 22	50568 284 476 155 431 480 8051 1 211 80 121 23341 1419 150 299 1657 12246 37 16 169 158
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	j 0 ! 5 j 2 00 166 4 14 2 145 j 0 0 16 4 14 2 145 j 0 j 100 j 100 j 7 j 7 j 10 j 1 j 2 i 6 8 11 j 2 i 6 8 11 j 2 j 3	0 66 5 4 2 2 16 11 14 33 145 8: 0 0 15 11: 10 55 18 2: 100 57 7 55 7 55 10 2: 11 33 2 0 6 2: 11 2: 11 2:	1 0 3 2 18 5 52 4 69 0 0 2 13 7 2 1067 3 9 55 9 51 7 140 9 653 3 0 6 22	284 476 155 431 211 2341 1419 150 299 1657 12246 37 16 169 158
Bat Nong Ear 50 44 57 55 43 46 64 37 29 15 0 8 5 12 2 Bat, Pipistrille 43 47 6 5 1 5 8 4 6 0 17 3 1 2 0 Bat, Red 38 25 13 24 50 61 15 27 16 11 31 35 20 9 10 Bat, Simil frown 906 832 996 883 996 883 991 433 245 159 150 97 68 83 92 Bat, Small frooted 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td>S S 0 20 160 20 161 14 2 1450 0 0 0 15 i 10 i 18 00 1009 3 71 i 7 00 100 3 71 i 7 0 10 15 634 12 1 12 1 12 2 i 6 8 11 1 2 1 51 3 47</td> <td>5 44 2 2 16 12 14 33 145 88 0 0 15 12 10 55 18 22 100 59 100 59 100 24 119 9 6634 59 12 12 11 22</td> <td>0 3 2 18 5 52 4 69 0 2 2 13 7 2 2 25 11 1067 4 59 5 51 7 140 9 653 3 0 6 6 5 22</td> <td>476 155 431 480 8051 1 211 23341 1419 150 299 1657 12246 37 16 16 169 158</td>	S S 0 20 160 20 161 14 2 1450 0 0 0 15 i 10 i 18 00 1009 3 71 i 7 00 100 3 71 i 7 0 10 15 634 12 1 12 1 12 2 i 6 8 11 1 2 1 51 3 47	5 44 2 2 16 12 14 33 145 88 0 0 15 12 10 55 18 22 100 59 100 59 100 24 119 9 6634 59 12 12 11 22	0 3 2 18 5 52 4 69 0 2 2 13 7 2 2 25 11 1067 4 59 5 51 7 140 9 653 3 0 6 6 5 22	476 155 431 480 8051 1 211 23341 1419 150 299 1657 12246 37 16 16 169 158
Bat, Pipistrille 43 47 6 5 1 5 8 4 6 0 17 3 1 2 0 Bat, Red 38 25 13 24 50 61 15 27 16 11 31 35 20 9 10 Bat, Silverhaired 12 17 9 14 54 103 13 14 12 17 24 18 25 23 24 Bat, Sindi forwn 906 832 967 883 986 888 917 433 245 159 150 97 68 83 92 Bat, Sindi forwn 906 6 6 12 17 19 12 7 8 2 8 111 15 18 20 Beaver 3 1 4 3 4 1 2 1 2 1 3 3 1 <td< td=""><td>2 2 0 16 0 16 4 14 14 14 14 14 14 14 10 0 0 0 0 0 0 10 0 100 10 0 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 12 1 12 1 12 2 14 6 15 1 15 1 15 1 3 47</td><td>2 2 16 1: 14 3: 145 8: 0 0 15 1: 10 5 18 2: 009 10: 7 5 10 2: 11 3 2 0 6 2 11 2: 2 11</td><td>3 2 18 5 52 4 69 0 2 13 7 2 25 11 1067 4 59 5 51 7 140 9 653 3 0 6 22</td><td>155 431 480 8051 1 211 80 121 23341 1419 150 299 1657 12246 37 16 169 158</td></td<>	2 2 0 16 0 16 4 14 14 14 14 14 14 14 10 0 0 0 0 0 0 10 0 100 10 0 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0 10 12 1 12 1 12 2 14 6 15 1 15 1 15 1 3 47	2 2 16 1: 14 3: 145 8: 0 0 15 1: 10 5 18 2: 009 10: 7 5 10 2: 11 3 2 0 6 2 11 2: 2 11	3 2 18 5 52 4 69 0 2 13 7 2 25 11 1067 4 59 5 51 7 140 9 653 3 0 6 22	155 431 480 8051 1 211 80 121 23341 1419 150 299 1657 12246 37 16 169 158
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	0 16 4 14 14 14 2 145 0 0 0 15 i 18 00 100 10 0 10 100 4 119 55 634 1 12 2 4 6 8 11 2 1 51 3 47	16 12 14 33 145 88 0 00 15 11 10 5 18 22 009 100 71 55 10 22 11 33 2 0 6 22 11 22	2 18 5 52 1 69 0 2 13 7 2 25 11 1067 4 59 5 51 7 140 9 653 3 0 6 22	431 480 8051 1 211 80 121 23341 1419 150 299 1657 12246 37 16 169 158
Bat, Silverhaired 12 17 9 14 54 103 13 14 12 17 24 18 25 23 24 Bat, Small Brown 906 832 967 888 917 483 245 159 150 97 68 83 92 Bat, Small Brown 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0<	4 14 2 145 0 0 00 15 i 10 i 18 00 100 i 18 00 100 i 7 i 7 i 7 i 7 i 10 i 1 i 2 i 6 8 11 i 2 i 2 i 1 j 2 i 1 j 2 i 1 j 3	14 3: 145 8: 0 0 15 1: 10 55 18 2: 100 71 55 71 119 9: 634 559 11 3 2 0 6 2 11 2:	5 52 1 69 0 0 2 13 7 2 11 1067 3 5 9 51 7 140 9 653 3 0 6 22	480 8051 1 211 80 121 1419 150 299 1657 12246 37 16 169 158
Bat, Small Brown 906 832 967 883 986 888 917 483 245 159 150 97 68 83 92 Bat, Small forted 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1452 0 0 0 15 i 10 i 17 0 1003 3 711 i 7 0 1001 44 119 15 6343 1 0 2 1 i 6 8 111 1 2 i 7 3 47	145 8: 0 0 15 1: 10 5 18 2: 1009 10: 7 5 10 2: 119 9: 133 2 0 6 2 11 2 1	1 69 0 0 2 13 7 2 2 25 11 1067 4 59 5 5 9 551 7 140 9 653 3 0 6 6 5 22	8051 1 211 23341 1419 150 299 1657 12246 37 16 169 158
Bat, Small footed 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 15 10 i 10 15 i 18 7 0 100 100 33 71 11 15 634 119 15 634 1 1 0 2 1 6 8 11 2 1 1 51 3	0 0 15 11 10 5 18 22 10 5 1009 100 71 54 7 5 10 29 13 2 14 33 2 0 6 22 11 2 12 1	0 2 13 7 25 11 1067 4 59 5 51 7 140 9 653 3 0 6 22	1 211 80 121 23341 1419 150 299 1657 12246 37 16 169 158
Bear 10 6 6 12 17 19 12 7 8 2 8 11 15 18 20 Beaver 3 1 4 2 6 5 6 4 2 1 2 7 3 7 5 Bobcat 0 5 1 4 3 4 1 2 0 2 9 14 1 5 5 Cat 1675 1669 1560 1440 1502 1662 1478 1397 1331 1250 1107 1035 1134 1014 1000 Catte 114 109 86 91 97 73 62 80 70 70 64 71 83 Chymuch 16 14 23 21 15 18 12 12 12 9 7 11 12 8 15 20 11	0 15 i 10 i 18 000 1009 3 71 i 7 0 10 155 6344 15 634 10 2 i 6 8 11 2 1 3 47	15 11 10 5 18 22 1009 100 71 54 70 29 10 29 634 59 1 3 2 00 6 22 11 2 2 1	2 13 7 2 2 25 11 1067 4 59 5 5 9 51 7 140 9 653 0 0 6 22	211 80 121 23341 1419 150 299 1657 12246 37 16 169 158
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	i 10 i 18 000 10003 3 71 i 7 0 100 0 100 4 119 5 634 ! 1 0 2 i 6 8 111 ! 2 1 51 3 47	10 5 18 2: 009 10: 71 5: 7 5: 10 2: 119 9: 634 59 1 3 2 0 6 2: 11 2: 2 1	7 2 25 11 1067 4 59 5 5 9 51 7 140 9 653 3 0 65 22	80 121 23341 1419 150 299 1657 12246 37 16 16 169 158
Bobcat 0 5 1 4 3 4 1 2 0 2 9 14 1 5 5 Cat 1675 1669 1560 1440 1502 1662 1478 1397 1331 1250 1107 1035 1134 1014 1000 Cattle 114 109 86 91 97 73 62 80 70 70 64 71 86 79 83 Chipmunk 16 14 21 7 6 14 9 9 6 5 3 4 5 6 8 Coyote 14 23 21 15 18 12 12 12 9 7 11 12 8 15 20 Deer 82 103 87 124 106 126 137 75 7 14 2 1 4 2 1 </td <td>i 18 00 1009 3 71 8 7 0 100 4 119 35 634 1 2 6 6 8 11 2 2 1 51 3 47</td> <td>18 2: 1009 10: 71 5: 7 5: 10 2: 119 9: 634 5:9 1 3: 2 0: 6 2: 11 2: 2 1:</td> <td>2 25 11 1067 4 59 5 5 9 51 7 140 9 653 3 0 65 22</td> <td>121 23341 1419 150 299 1657 12246 37 16 169 158</td>	i 18 00 1009 3 71 8 7 0 100 4 119 35 634 1 2 6 6 8 11 2 2 1 51 3 47	18 2: 1009 10: 71 5: 7 5: 10 2: 119 9: 634 5:9 1 3: 2 0: 6 2: 11 2: 2 1:	2 25 11 1067 4 59 5 5 9 51 7 140 9 653 3 0 65 22	121 23341 1419 150 299 1657 12246 37 16 169 158
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	009 100 71 54 7 55 10 29 119 90 634 59 1 33 2 00 6 2 11 29 2 11	11 1067 4 59 5 5 9 51 7 140 9 653 3 0 6 5 5 22	23341 1419 150 299 1657 12246 37 16 169 158
Chipmunk 16 14 21 7 6 14 9 9 6 5 3 4 5 6 8 Coyote 14 23 21 15 18 12 12 12 9 7 11 12 8 15 20 Deer 82 103 87 124 106 126 103 61 41 48 111 107 65 63 74 Dog 767 827 759 706 695 715 708 658 651 719 660 601 660 599 635 Donkey 0 1 0 1 1 0 0 4 2 7 5 2 1 4 2 Elk 0 0 0 0 0 2 2 1 5 3 9 6 0 2 2 15	3 7 0 10 4 119 35 634 2 1 0 2 3 6 8 11 2 2 1 51 3 47	7 5 10 29 119 91 634 59 1 3 2 0 6 2 11 21 2 1 2 1	5 9 51 7 140 9 653 3 0 6 22	150 299 1657 12246 37 16 169 158
Coyote 14 23 21 15 18 12 12 12 9 7 11 12 8 15 20 Deer 82 103 87 124 106 126 103 61 41 48 111 107 65 63 74 Dog 767 827 759 706 695 715 708 658 651 719 660 601 660 599 635 Donkey 0 1 0 1 1 0 0 4 2 7 5 2 1 4 2 Elk 0 0 0 0 8 1 1 0 1 0 2 1 0 1 0 1 1 2 1 3 3 5 2 2 15 22 7 6 18 Fisher 2 1	0 10 4 119 55 634 2 1 0 2 8 6 8 11 2 2 1 5 1 2 1 5 1 1 2 3 47	10 29 119 93 634 59 1 3 2 0 6 2 11 2 2 1 2 1 2 1	9 51 7 140 9 653 3 0 6 22	299 1657 12246 37 16 169 158
Deer 82 103 87 124 106 126 103 61 41 48 111 107 65 63 74 Dog 767 827 759 706 695 715 708 658 651 719 660 601 660 599 635 Donkey 0 1 0 1 1 0 0 4 2 7 5 2 1 4 2 Elk 0 0 0 0 0 8 1 1 0 1 0 2 1 4 2 Fisher 2 1 5 3 9 6 0 2 2 15 22 7 6 18 Fox 1 1 2 3 3 5 2 2 3 1 3 5 2 2 7 6 18	4 119 95 634 1 1 0 2 8 6 8 11 2 2 1 5 1 5 1 5 1 5 3 47	119 91 634 59 1 3 2 0 6 2 11 2! 2 1 2 1	7 140 9 653 3 0 6 5 22	1657 12246 37 16 169 158
Dog 767 827 759 706 695 715 708 658 651 719 660 601 660 599 635 Donkey 0 1 0 1 1 0 0 4 2 7 5 2 1 4 2 Elk 0 0 0 0 0 8 1 1 0 1 0 2 1 4 2 Ferret 18 13 23 19 8 9 20 7 15 2 7 3 3 5 3 3 5 2 2 15 22 7 6 18 Fox 1 1 2 3 3 5 2 2 3 1 3 5 2 2 7 6 18 Fox, Red 108 58 66 57 57 71	15 634 1 2 0 2 8 11 1 2 1 51 3 47	634 59 1 3 2 0 6 2 11 2! 2 1	9 653 3 0 6 5 22	12246 37 16 169 158
Donkey 0 1 0 1 1 0 0 4 2 7 5 2 1 4 2 Elk 0 0 0 0 0 0 8 1 1 0 1 0 2 1 0 Ferret 18 13 23 19 8 9 20 7 15 2 7 3 3 5 3 Fisher 2 1 5 3 9 6 0 2 2 2 15 22 7 6 18 Fox 1 1 2 3 3 5 2 2 3 1 3 5 2 2 7 6 18 Fox, Gray 80 50 68 124 112 33 41 43 91 46 38 48 41 29 41	1 2 6 8 11 2 1 51 3	1 3 2 0 6 2 11 25 2 1	3 0 6 5 22	37 16 169 158
Elk 0 0 0 0 0 8 1 1 0 1 0 2 1 0 Ferret 18 13 23 19 8 9 20 7 15 2 7 3 3 5 3 Fisher 2 1 5 3 9 6 0 2 2 2 15 22 7 6 18 Fox 1 1 2 3 3 5 2 2 3 1 3 5 2 2 Fox,Gray 80 50 68 124 112 33 41 43 91 46 38 48 41 29 41 Fox,Gray 80 50 68 124 112 33 41 43 91 46 38 48 41 29 41 Fox,Gray 80 0	2 6 8 11 2 2 1 51 3 47	2 0 6 2 11 2 2 1	0 6 5 22	16 169 158
Ferret 18 13 23 19 8 9 20 7 15 2 7 3 3 5 3 Fisher 2 1 5 3 9 6 0 2 2 2 15 22 7 6 18 Fox 1 1 2 3 3 3 5 2 2 3 1 3 5 2 2 Fox 1 1 2 3 3 3 5 2 2 3 1 3 5 2 2 Fox,Gray 80 50 68 124 112 33 41 43 91 46 38 48 41 29 41 Fox,Red 108 58 66 57 57 71 63 45 34 62 66 43 69 50 43 Gemsbok	6 8 11 2 2 1 51 3 47	6 2 11 2! 2 1	6 5 22	169 158
Fisher 2 1 5 3 9 6 0 2 2 2 15 22 7 6 18 Fox 1 1 2 3 3 3 5 2 2 3 1 3 5 2 2 3 1 3 5 2 2 3 1 3 5 2 2 3 1 3 5 2 2 3 1 3 5 2 2 3 1 3 5 2 2 3 1 3 5 2 2 3 1 3 5 2 2 3 1 3 5 2 2 3 1 3 5 7 7 1 63 45 34 62 66 43 69 50 43 Gemsbok 0 0 1 0 0 1 0 </td <td>8 11 2 2 1 51 3 47</td> <td>11 25 2 1</td> <td>5 22</td> <td>158</td>	8 11 2 2 1 51 3 47	11 25 2 1	5 22	158
Fox 1 1 2 3 3 3 5 2 2 3 1 3 5 2 2 Fox,Gray 80 50 68 124 112 33 41 43 91 46 38 48 41 29 41 Fox,Red 108 58 66 57 57 71 63 45 34 62 66 43 69 50 43 Gemsbok 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 1 51 3 47	2 1		
Fox,Gray 80 50 68 124 112 33 41 43 91 46 38 48 41 29 41 Fox,Red 108 58 66 57 57 71 63 45 34 62 66 43 69 50 43 Gemsbok 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 51 3 47			
Fox,Red 108 58 66 57 57 71 63 45 34 62 66 43 69 50 43 Gemsbok 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 47	51 5.		1051
Gemsbok 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td></td> <td>47 55</td> <td></td> <td>1067</td>		47 55		1067
Gerbil 1 0 0 1 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td>0 0</td> <td></td> <td>1</td>		0 0		1
Guinea Pig 5 1 0 1 2 0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 <th1< th=""> <th1< th=""> <th1< <="" td=""><td>) 0</td><td>0 0</td><td>0</td><td>6</td></th1<></th1<></th1<>) 0	0 0	0	6
Hamster 6 1 10 9 1 0 6 1 4 1 0 1 0 1 0 Horse 40 49 39 49 40 28 38 30 40 33 36 45 38 43 36 Llama 5 6 11 10 7 10 0 4 3 1 3 1 1 0 0 0 Mink 5 4 7 4 2 6 2 0 6 4 5 1 2 4 4 Mole 3 2 4 2 0 2 2 1 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	2 37	37 29	37	551
Horse 40 49 39 49 40 28 38 30 40 33 36 45 38 43 36 Llama 5 6 11 10 7 10 0 4 3 1 3 1 1 0 0 Mink 5 4 7 4 2 6 2 0 6 4 5 1 2 4 4 Mole 3 2 4 2 0 2 2 1 0 0 0 1 0 1	0 0	0 0	0	11
Llama 5 6 11 10 7 10 0 4 3 1 3 1 1 0 0 Mink 5 4 7 4 2 6 2 0 6 4 5 1 2 4 4 Mole 3 2 4 2 2 0 2 2 1 0 0 0 1 0 1			-	42
Mink 5 4 7 4 2 6 2 0 6 4 5 1 2 4 4 Mole 3 2 4 2 2 0 2 2 1 0 0 0 1 0 1				706
Mole 3 2 4 2 2 0 2 2 1 0 0 0 1 0 1			1	64
				69 20
Monkey 0 0 0 0 0 0 2 1 1 0 0 0 0 0 0				20
Monsey 0 0 0 0 0 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td></td> <td></td> <td>89</td>				89
Mouse 19 0 14 17 14 9 6 2 4 1 2 2 2 4 4				114
Mule 0 10 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0				12
Muskrat 13 10 15 18 14 19 15 14 10 6 6 5 6 12 6	5 5	5 2	9	185
Oppossum 71 71 89 85 132 150 140 70 49 34 23 39 41 35 27	7 42	42 25	5 27	1150
Otter 0 3 2 1 1 1 1 0 1 1 13 12 0 1 4				54
Pig 2 2 2 0 4 1 3 2 4 2 3 3 2 1 5				52
Porcupine 8 5 6 4 7 4 5 6 1 2 4 6 7 0 7		-		84
Rabbit 24 11 19 15 9 9 3 8 3 3 2 1 13 2 6 Pablit Demotion 26 26 14 17 10 7 14 13 0 2 1 13 2 6				135
Rabbit, Domestic 26 26 14 17 10 7 14 13 9 2 9 3 1 2 5 Rabbit, Wild 7 5 6 4 5 5 3 3 3 2 1 2 2 0				174 59
Raccoon 803 562 1321 1127 1349 1820 1720 1063 954 876 522 575 702 623 784		4 <u>2</u> 820 87		17419
Rate 6 4 6 8 4 5 3 4 1 1 1 3 2 20 764				83
Rat, Domestic 3 1 4 1 3 1 5 4 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <				29
Rat, Wild 12 13 3 5 3 5 2 3 4 0 1 0 0 1 0				63
Sheep 12 16 15 16 10 9 15 11 13 10 9 15 16 8 12	2 15	15 12	2 16	230
Shrew 3 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td></td> <td></td> <td>11</td>				11
Skunk 40 260 337 279 303 319 260 224 194 290 206 176 218 171 219		199 18		4117
Squirrel 11 11 14 3 10 16 10 6 6 2 10 4 3 3 6				120
Squirrel, Flying 5 16 4 0 8 5 6 5 1 4 5 2 0 3 0 Country Line 5 16 4 0 8 5 6 5 1 4 5 2 0 3 0 Country Line 5 7 14 27 7 20 20 20 3 0				74
Squirrel, Grey 100 85 54 35 41 35 50 29 24 19 17 18 32 28 30 Squirrel, Grey 100 85 54 2 8 4 2 2 3 0 4 0 1 0 0				675
Squirrel Red 3 2 4 2 8 4 2 2 3 0 4 0 1 0 0 Vole 4 6 3 2 7 6 3 4 1 0 0 0 2				38 38
Vole 4 6 3 2 7 6 3 4 1 0 0 0 0 2 Weasel 4 6 10 2 8 12 3 1 5 2 4 3 1 4 1			9	38
Weaker 4 6 10 2 8 12 3 1 3 2 4 3 1 4 1 Woodchuck 119 90 99 93 93 107 95 83 77 78 69 42 81 52 88		73 50		1446
Other wild 15 12 9 9 6 12 2 4 6 4 2 0 5 7 5	8 73	3 1		103
total 8118 8236 8459 8320 8926 9731 9352 7268 6609 6430 6653 5685 6696 6094 6001			6 6387	

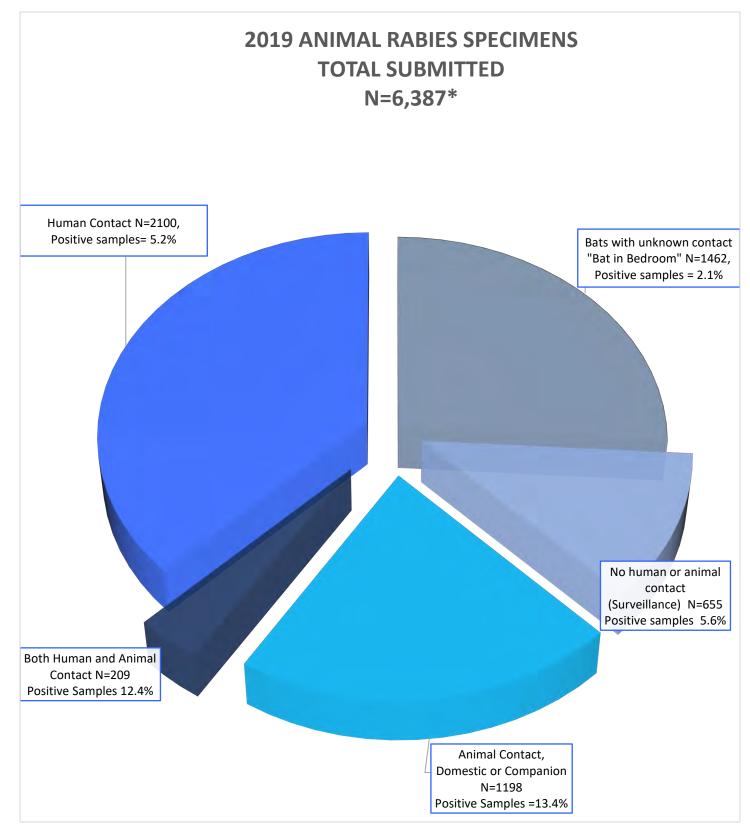
CATS	POSITIVES	TOTAL	% POSITIVE	DOGS	POSITIVES	TOTAL	% POSITIVE
2002	29	1675	1.73%	2002	3	768	0.39%
2003	27	1669	1.62%	2003	1	827	0.12%
2004	18	1560	1.15%	2004	1	759	0.13%
2005	21	1440	1.46%	2005	1	706	0.14%
2006	25	1502	1.66%	2006	1	695	0.14%
2007	17	1662	1.02%	2007	1	715	0.14%
2008	24	1478	1.62%	2008	1	708	0.14%
2009	27	1397	1.93%	2009	0	658	0.00%
2010	43	1331	3.23%	2010	1	651	0.15%
2011	38	1250	3.04%	2011	1	719	0.14%
2012	22	1107	1.99%	2012	0	660	0.00%
2013	9	1035	0.87%	2013	0	601	0.00%
2014	25	1135	2.22%	2014	0	660	0.00%
2015	23	1041	2.20%	2015	0	599	0.00%
2016	25	999	2.50%	2016	0	635	0.00%
2017	28	1001	2.80%	2017	1	625	0.10%
2018	20	1011	1.97%	2018	1	599	0.17%
2019	24	1067	2.20%	2019	1	653	0.15%

Common species submitted for testing 2002-2018

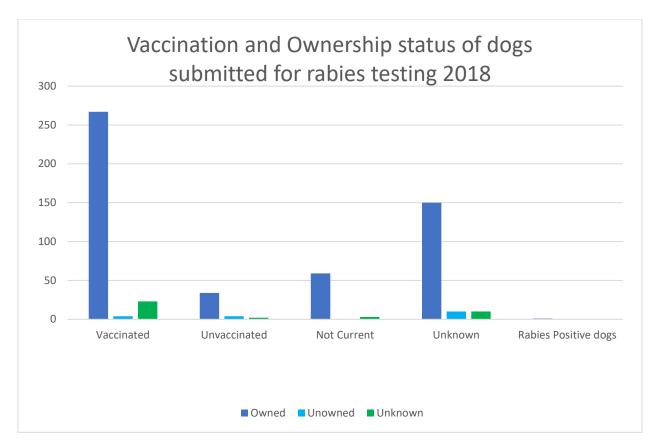
SKUNK	POSITIVES	TOTAL	% POSITIVE	RACCOON	POSITIVES	TOTAL	% POSITIVE
2002	172	403	42.68%	2002	393	803	48.94%
2003	74	260	28.46%	2003	195	562	34.70%
2004	103	337	30.56%	2004	253	1321	19.15%
2005	86	279	30.82%	2005	334	1127	29.64%
2006	95	303	31.35%	2006	320	1349	23.72%
2007	75	319	23.51%	2007	282	1820	15.49%
2008	63	260	24.23%	2008	263	1720	15.29%
2009	72	224	32.14%	2009	226	1063	21.26%
2010	85	194	43.81%	2010	250	654	26.21%
2011	62	290	21.38%	2011	162	876	18.49%
2012	53	206	35.73%	2012	186	522	36.63%
2013	50	176	28.41%	2013	147	575	25.57%
2014	45	218	20.60%	2014	166	702	23.60%
2015	66	172	38.38%	2015	133	622	21.30%
2016	79	219	36.07%	2016	156	783	19.92%
2017	35	187	18.72%	2017	104	804	12.94%
2018	26	180	14.44%	2018	125	873	14.30%
2019	40	242	9.90%	2019	172	925	18.60%

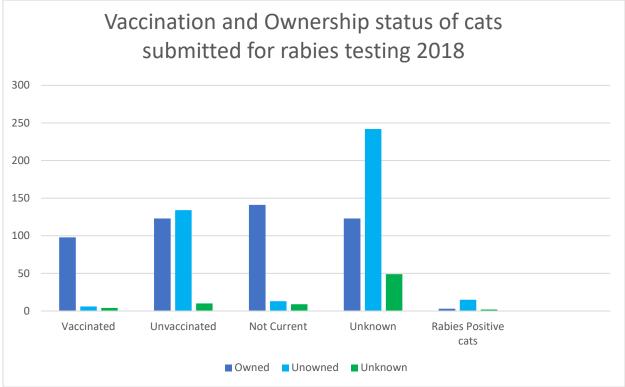


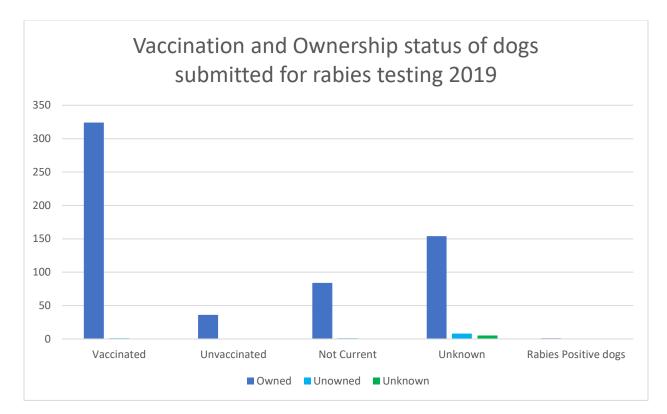
*Numbers may not add up to 6,256 due to no or "unknown" response

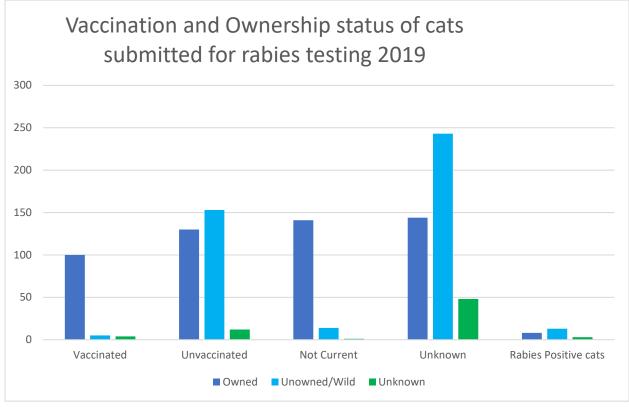


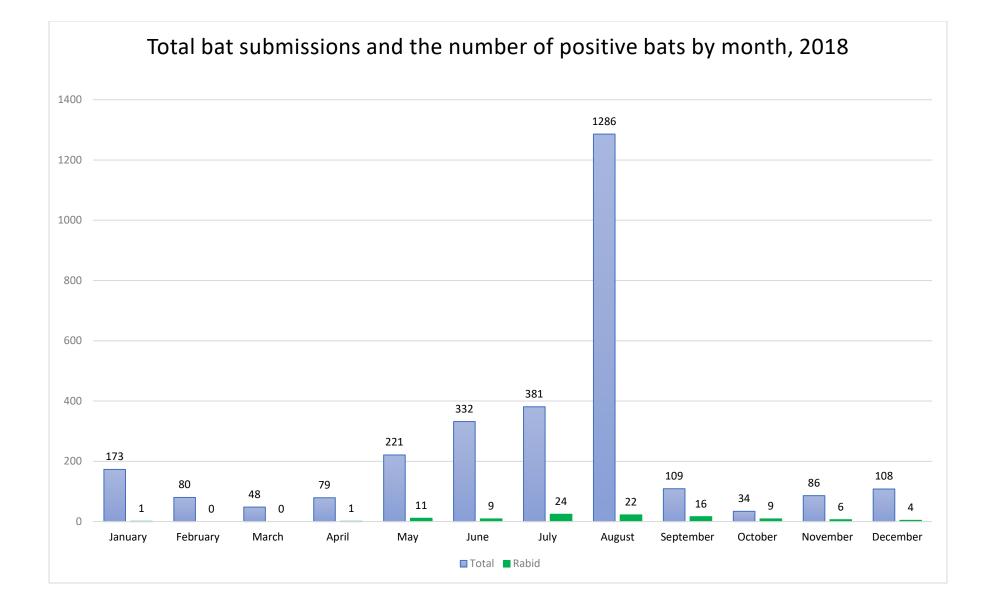
*Numbers may not add up to 6,387 due to no or "unknown" response

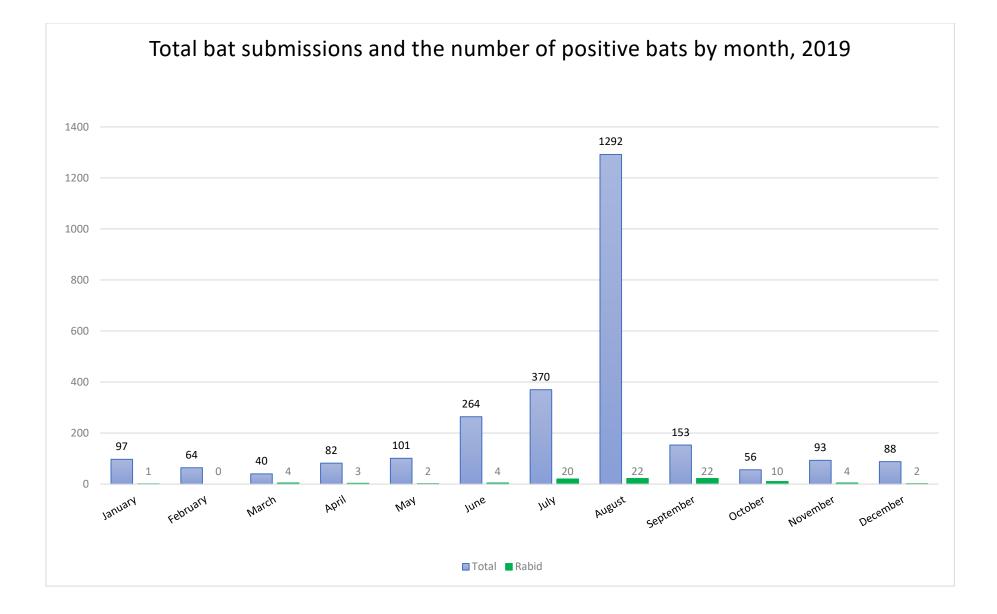




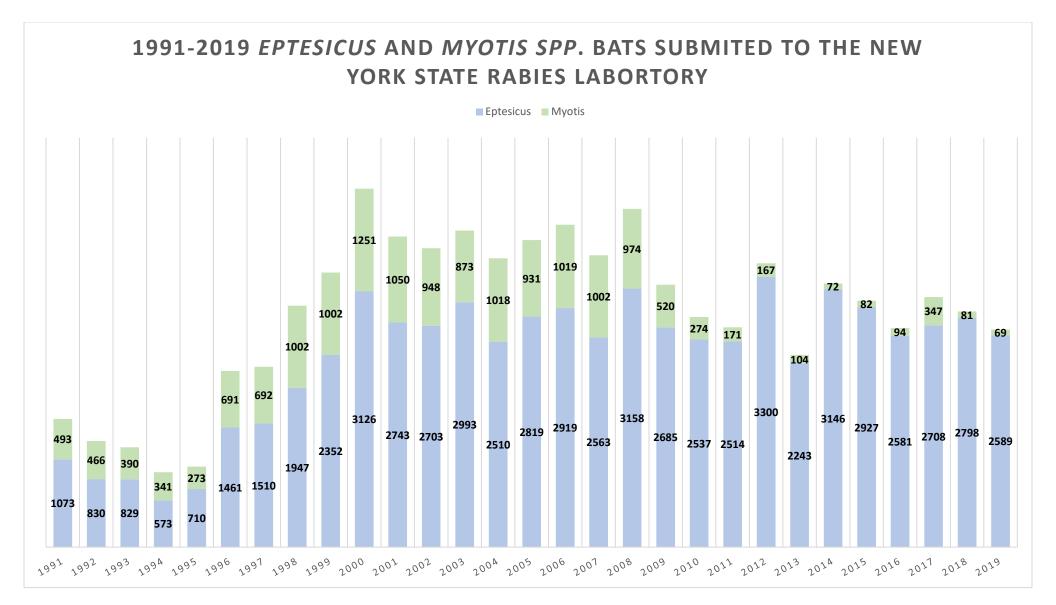


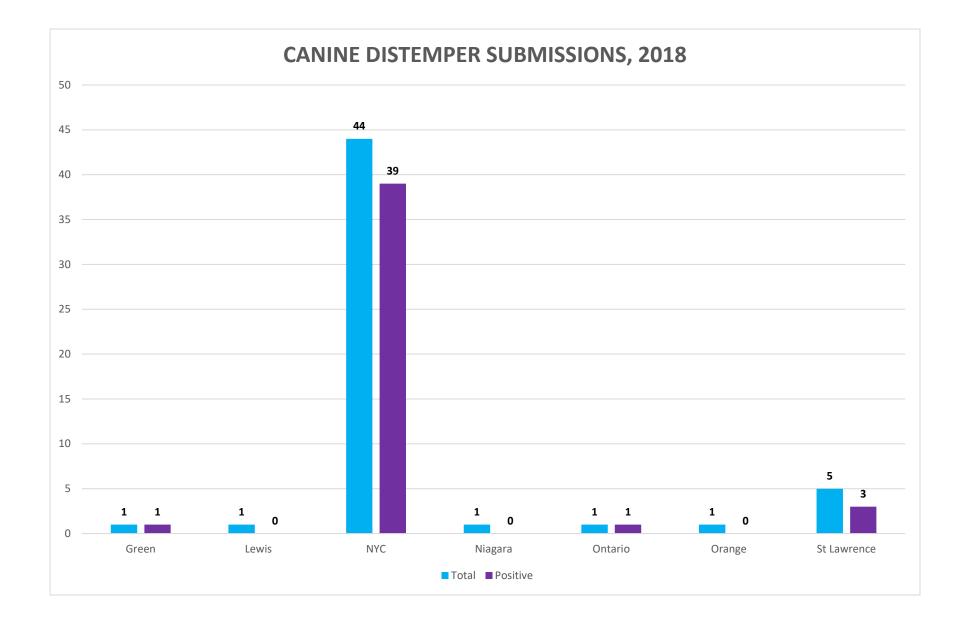


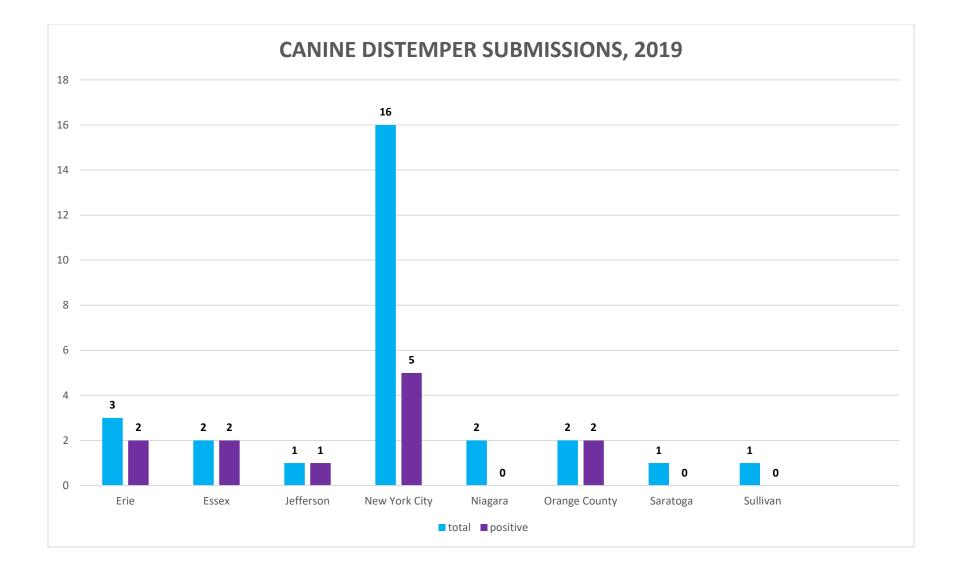


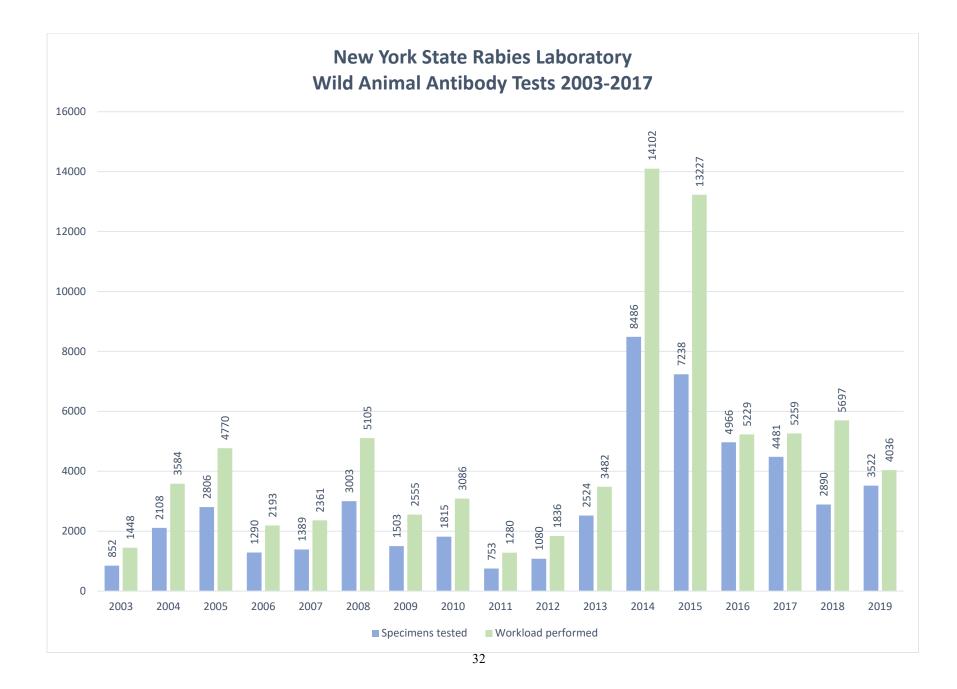


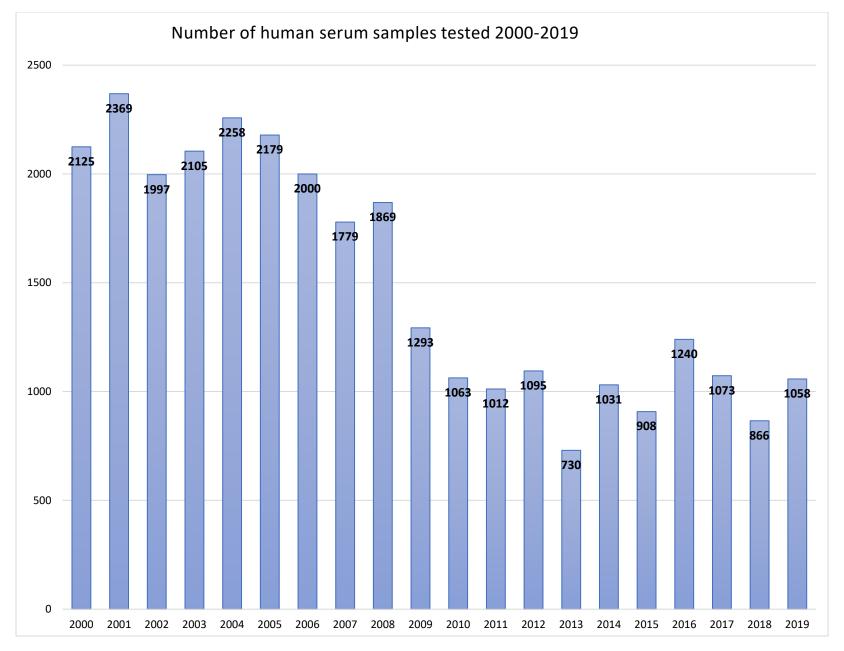
Bat	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Submissions	2000	2005	2010	2011	2012	2015	2014	2015	2010	2017	2010	2015
Total	4358	3298	2886	2791	3544	2697	3380	3081	2729	3629	2958	2750
Positive	112	79	69	64	114	83	98	102	81	73	106	94
Negative	3982	3035	2601	2521	3202	2433	3137	2811	2501	2700	2701	2472
Unsatisfactory	264	184	196	206	228	183	145	168	147	100	151	184
								•		·		
Contact with Humans	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total	1920	1925	1883	1762	2318	1718	1959	2954	1556	1610	1688	1537
Positive	43	41	39	43	56	48	53	93	39	32	58	53
Negative	1768	1795	1726	1603	2121	1573	1827	2701	1455	1511	1547	1398
Unsatisfactory	109	89	119	116	141	97	79	160	74	62	83	86
Contact with Cats	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total	919	726	359	506	608	305	419	646	400	424	411	410
Positive	26	14	7	11	20	6	19	16	8	8	13	13
Negative	839	665	341	450	548	274	368	596	370	400	375	386
Unsatisfactory	54	46	11	45	40	24	32	34	18	17	23	11
Contact with Dogs	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total	417	339	169	201	451	221	271	349	143	189	224	158
Positive	14	14	4	10	22	8	18	13	13	15	15	9
Negative	364	303	149	177	40	196	230	307	117	166	194	135
Unsatisfactory	39	22	16	14	26	16	23	29	13	11	15	14
Bat in the bedroom	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total							1971	1674	1639	1757	1891	1627
Positive			Previously r	not counted			54	55	37	36	66	42
Negative							1857	1534	1516	1651	1731	1481
Unsatisfactory							30	84	86	70	94	104

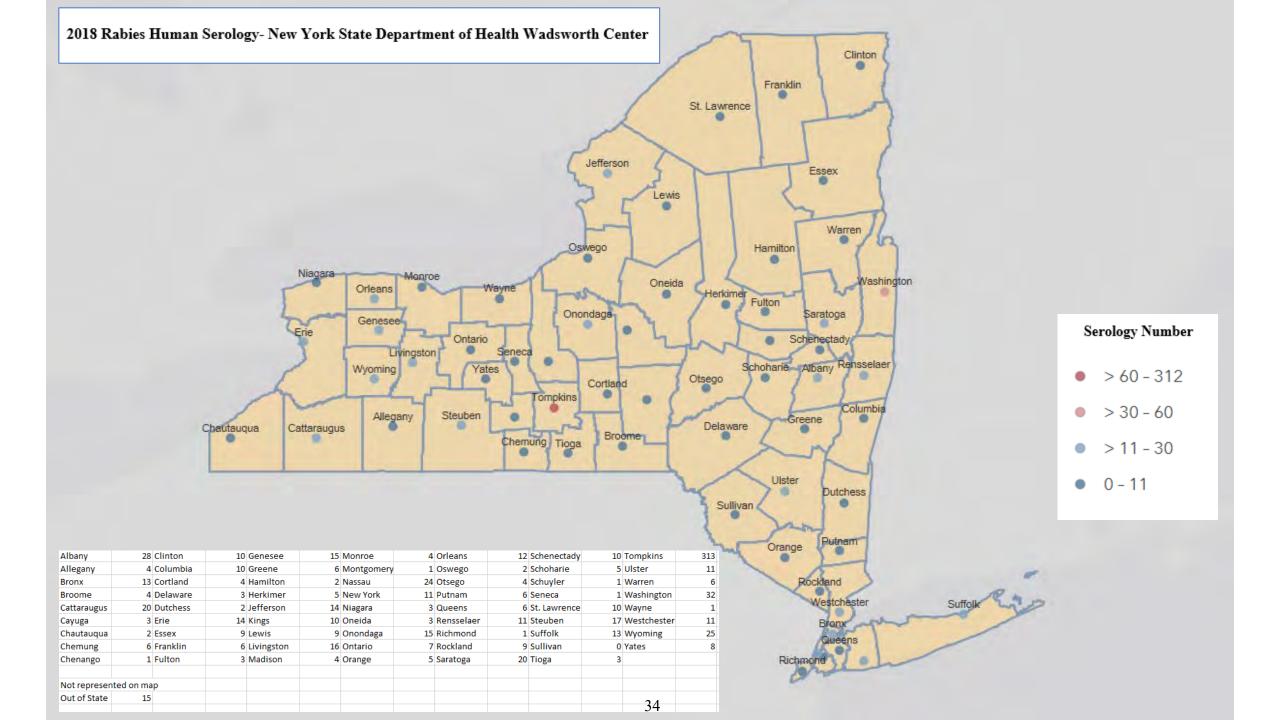


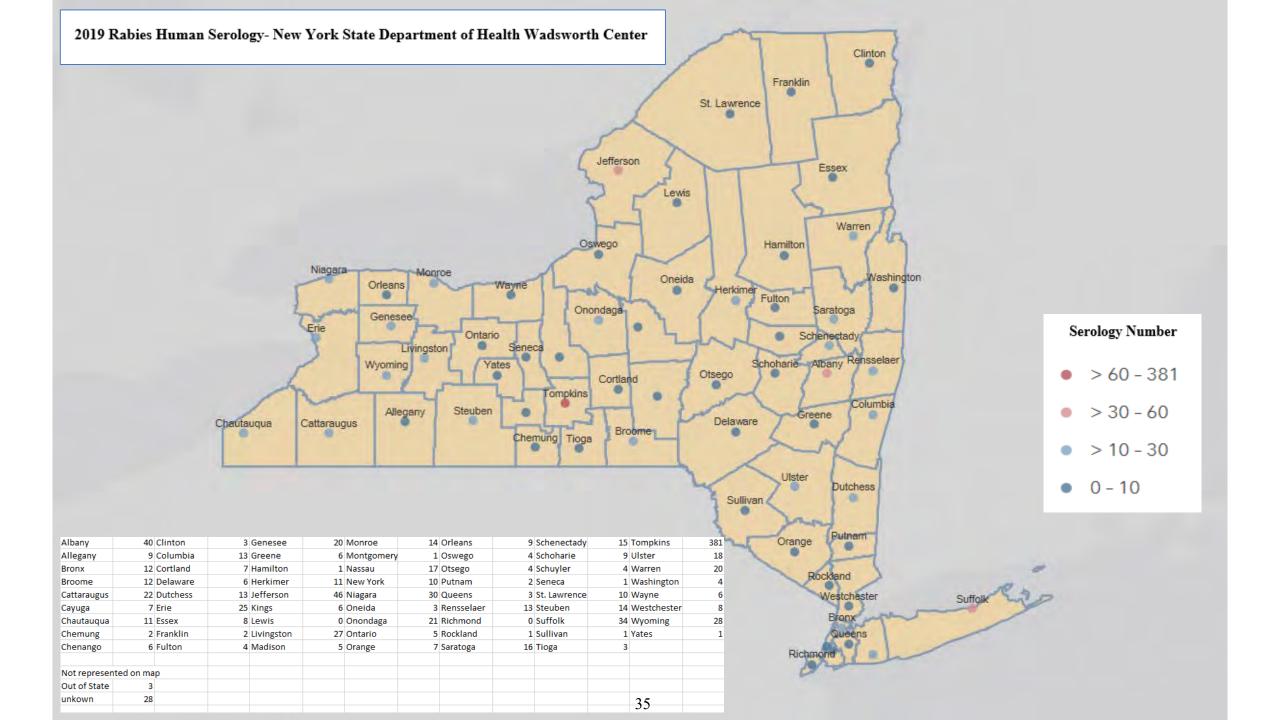


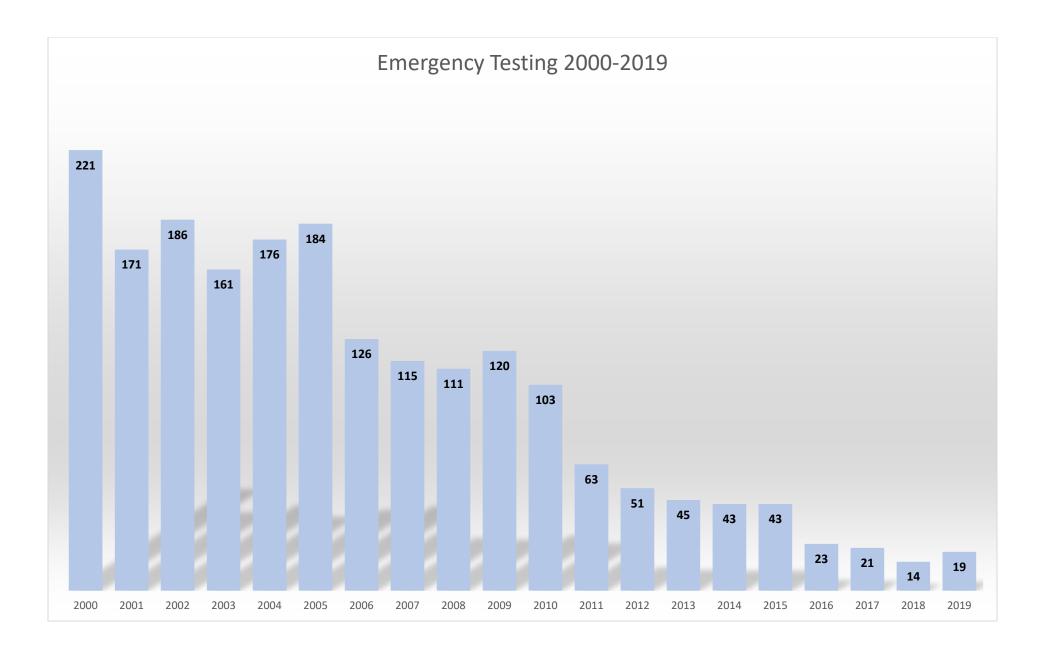












Summary of NYC Animals Rabies Testing by County and Animal, 2018

ANIMAL	B	RONX		_	KINGS OOKLY			W YOR NHATT		C	QUEEN	S	RIC (STAT	CHMOI EN ISI	-		F OF T ted at F		(exclu	C Tota ides ou town)	
	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos
BAT	4	0	0.0	8	0	0.0	8	0	0.0	3	0	0.0	1	0	0.0	0	0	0.0	24	0	0.0
CAT	23	1	4.3	34	0	0.0	30	0	0.0	30	0	0.0	20	0	0.0	2	0	0.0	137	1	0.7
DEER	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	2	0	0.0
DOG	7	0	0.0	6	0	0.0	16	0	0.0	8	0	0.0	2	0	0.0	0	0	0.0	39	0	0.0
GROUNDH OG	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	2	0	0.0
OPOSSUM	4	1	25.0	3	0	0.0	1	0	0.0	7	0	0.0	4	0	0.0	0	0	0.0	19	1	5.3
RACCOON	51	5	9.8	72	0	0.0	94	0	0.0	94	1	1.1	22	4	18.2	0	0	0.0	333	10	3.0
SKUNK	15	2	13.3	0	0	0.0	2	0	0.0	4	0	0.0	2	0	0.0	0	0	0.0	23	2	8.7
OTHER	2	0	0.0	3	0	0.0	13	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	18	0	0.0
TOTAL	107	9	8.4	126	0	0.0	164	0	0.0	147	1	0.7	53	4	7.5	2	0	0.0	597	14	2.3

January - December 2018; Tested at NYC Public Health Lab (PHL) or NY Wadsworth Center

Notes:

From Jan-Dec 2018, 14 animals tested rabies-positive:12 at PHL (4 Staten Island and 1 Queens raccoon; 5 raccoons, 1 cat, and 1 opossum from the Bronx) + 2 at Wadsworth (2 skunks from the Bronx).

Other includes 1 chipmunk, 1 gopher, 2 mice, 7 rats, 7 squirrels. 1 opossum and 3 raccoons were unable to be tested.

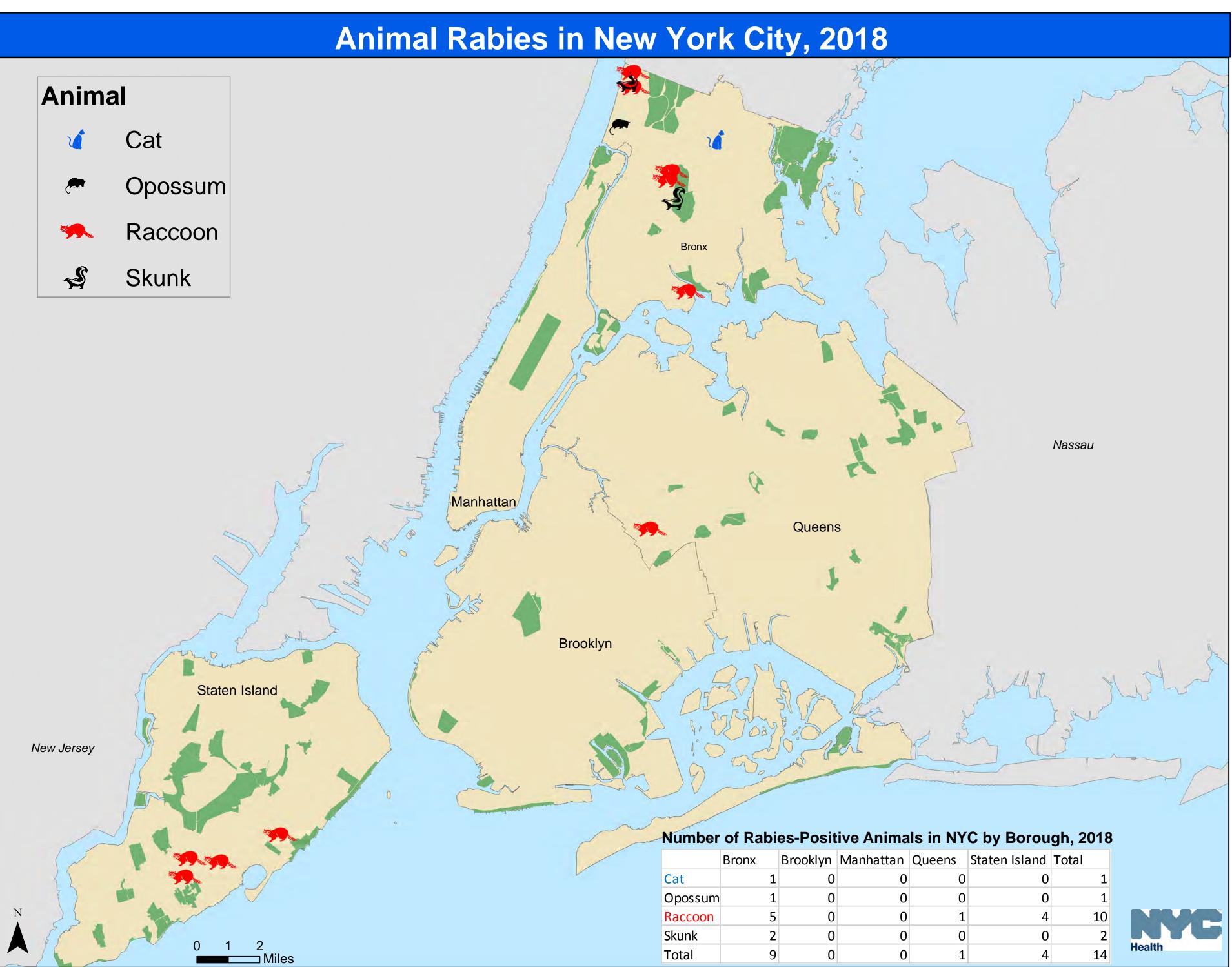
Summary of NYC Animals Rabies Testing by County and Animal, 2019 January - December 2019; Tested at NYC Public Health Lab (PHL) or NY Wadsworth Center

ANIMAL	B	RONX			KINGS DOKLY	N)		V YOR HATT		Q	UEENS		RIC (STAT	CHMON EN ISL			F OF T ted at F		(exclu	C Tota udes ou town)	
	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos
ВАТ	5	0	0.0	9	0	0.0	15	1	6.7	7	0	0.0	2	0	0.0	4	0	0.0	38	1	2.6
CAT	20	1	5.0	30	0	0.0	39	0	0.0	29	0	0.0	22	0	0.0	1	0	0.0	140	1	0.7
DOG	10	0	0.0	6	0	0.0	13	0	0.0	12	0	0.0	2	0	0.0	0	0	0.0	43	0	0.0
GROUNDHOG	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	4	0	0.0	0	0	0.0	5	0	0.0
OPOSSUM	2	0	0.0	7	0	0.0	1	0	0.0	10	0	0.0	3	0	0.0	0	0	0.0	23	0	0.0
RACCOON	31	2	6.5	110	0	0.0	43	9	20.9	164	0	0.0	76	10	13.2	0	0	0.0	424	21	5.0
SKUNK	9	0	0.0	0	0	0.0	5	1	20.0	9	0	0.0	2	0	0.0	0	0	0.0	25	1	4.0
OTHER	6	0	0.0	5	0	0.0	5	0	0.0	2	0	0.0	1	0	0.0	0	0	0.0	19	0	0.0
TOTAL	83	3	3.6	167	0	0.0	122	11	9.0	233	0	0.0	112	10	8.9	5	0	0.0	717	24	3.3
BAT	5	0	0.0	9	0	0.0	15	1	6.7	7	0	0.0	2	0	0.0	4	0	0.0	38	1	2.6

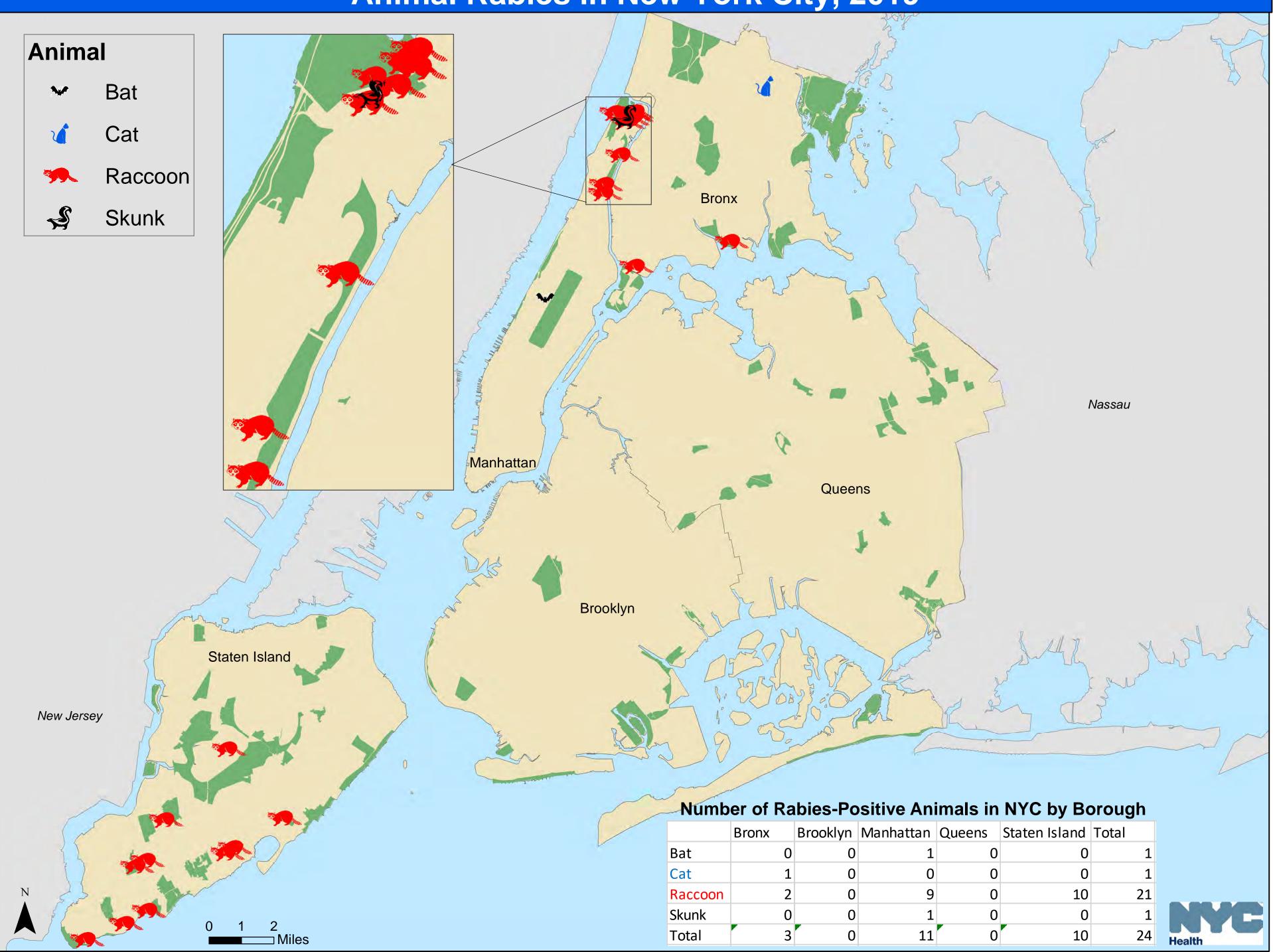
Notes:

In 2019, 24 animals tested rabies-positive at PHL: 1 cat and 2 raccoons from the Bronx; 1 bat, 9 raccoons and 1 skunk (raccoon variant) from Manhattan; and 10 racoons from Staten Island.

Other includes 1 ferret, 3 mice, 1 rabbit, 1 rat and 13 squirrels. 1 opossum and 3 raccoons were unable to be tested.



Animal Rabies in New York City, 2019



	0	0	1	0	0	1
	1	0	0	0	0	1
n	2	0	9	0	10	21
	0	0	1	0	0	1
	3	0	11	0	10	24

NYC Animal Rabies Testing Compared to Previous Years by County

									· · · ·						· · · · · · · · · · · · · · · · · · ·
COUNTY		2015			2016			2017			2018			2019	
COUNTI	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos
BRONX	62	1	1.6	54	2	3.7	94	18	19.1	107	9	8.4	83	3	3.6
BROOKLYN	108	1	0.9	65	1	1.5	46	0	0.0	126	0	0.0	167	0	0.0
MANHATTAN	83	0	0.0	59	0	0.0	77	0	0.0	164	0	0.0	122	11	9.0
QUEENS	322	0	0.0	76	1	1.3	51	0	0.0	147	1	0.7	233	0	0.0
STATEN ISLAND	34	4	11.8	32	1	3.1	25	0	0.0	53	4	7.5	112	10	8.9
Total	609	6	1.0	286	5	1.7	293	18	6.1	597	14	2.3	717	24	3.3

Jan-Dec 2015-2019; Tested at NYC Public Health Lab (PHL) or NY Wadsworth Center

NYC Animal Rabies Testing Compared to Previous Years by Animal

Jan-Dec 2015-2019, Tested at FHL of Wadsworth															
ANIMAL	2015			2016			2017			2018			2019		
	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos	# tested	# pos	% pos
BAT	42	2	4.8	19	1	5.3	18	0	0.0	24	0	0.0	38	1	2.6
CAT	79	0	0.0	82	0	0.0	78	2	2.6	137	1	0.7	140	1	0.7
DOG	33	0	0.0	33	0	0.0	37	0	0.0	39	0	0.0	43	0	0.0
GROUNDHOG	1	0	0.0	4	0	0.0	0	0	0.0	2	0	0.0	5	0	0.0
OPOSSUM	24	0	0.0	7	0	0.0	4	0	0.0	19	1	5.3	23	0	0.0
RACCOON	405	4	1.0	120	4	3.3	104	12	11.5	333	10	3.0	424	21	5.0
SKUNK	15	0	0.0	4	0	0.0	22	4	18.2	23	2	8.7	25	1	4.0
OTHER	10	0	0.0	17	0	0.0	30	0	0.0	20	0	0.0	19	0	0.0
Total	609	6	1.0	286	5	1.7	293	18	6.1	597	14	2.3	717	24	3.3

Jan-Dec 2015-2019; Tested at PHL or Wadsworth