

Summary of West Nile Virus in Lake County, Illinois

The Lake County Health Department actively conducts a multi-faceted mosquito surveillance program in Lake County. Beginning in late-spring and continuing into the autumn, a series of traps are set around the county, including within the Lake County Forest Preserves. At each site a pool, or batch, of mosquitoes is tested weekly for West Nile virus. Areas of stagnant water are also investigated throughout the season for the presence of mosquito larvae, specifically from the Culex mosquito which is the primary carrier of West Nile in Illinois. Finally, the locations of dead birds are monitored to assist in the assessment of potential West Nile virus activity. The Health Department works closely with the municipalities, townships, and the Lake County Forest Preserve District in monitoring mosquitoes that may pose a public health threat

Human Cases of West Nile Virus by Year:

Year	U.S.		Illinois		Lake Co.	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
1999-2001	149	18	0	0	0	0
2002	4,156	284	884	67	8	1
2003	9,862	264	54	1	1	0
2004	2,470	88	60	4	0	0
2005	2,949	116	252	12	11	1
2006	4,180	149	215	9	11	0
2007	3,630	124	101	4	5	0
2008	3,513	43	20	0	0	0
2009	720	32	5	0	0	0
2010	1,021	57	61	4	1	0
2011	690	43	34	3	0	0
2012	690	43	290	10	7	0
2013	2,374	114	117	11	6	0
2014	2,122	85	44	4	2	0
2015	2,060	119	77	7	5	0
2016	2,038	94	154	4	2	0
2017	2,002	121	90	5	6	1
2018	2,544	137	176	17	8	1
2019	971	60	28	2	0	0
2020	664	52	29	4	0	0
2021	2,695	191	62	3	5	0
Total	51500	2234	2753	171	78	4

Positive West Nile Virus Mosquito Pools, Birds, and Horses by Year

Year	Positive Mosquito Pools		Positive Birds		Positive Horses	
	Illinois	Lake Co.	Illinois	Lake Co.	Illinois	Lake Co.
2001	20	0	138	6	2	0
2002	528	39	513	12	1,147	7
2003	338	18	222	4	66	0
2004	1,300	95	233	5	12	0
2005	2,465	167	227	12	16	0
2006	2,980	135	49	1	21	1
2007	1,552	59	161	6	5	0
2008	658	10	31	1	1	0
2009	404	1	26	0	6	0
2010	2,296	28	64	0	1	0
2011	1,068	14	21	1	7	0
2012	3,950	98	82	3	7	0
2013	2,713	42	86	2	16	0
2014	1,271	31	41	1	1	0
2015	1,713	68	61	1	13	0
2016	2,434	153	74	2	4	0
2017	2,022	104	25	1	0	0
2018	3,013	72	34	2	11	0
2019	1,202	61	4	0	2	0
2020	2,343	93	10	0	1	0
2021	2,662	218	27	1	5	0
Total	36,932	1506	2129	61	1344	8

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