

years except 2016 (due to massive Zika outbreak)

trend in the mosquito-borne disease cases. Dengue shows no trend at all.

The number of mosquito-borne cases have decreased over the years as shown by the trendlines.

1. We used mosquito-borne disease data from the 2 websites : CDC and Statista:<u>www.cdc.gov</u> and 2. We used Google sheets to analyze and make graphs to present data. 3. We calculated the number of cases per million based on the population

of the States (population data

www.infoplease.com/us/states/state-po 4. We used regression lines to show the trend for the 4 diseases over

						Total		Cases per
2015	2016	2017	2018	2019	2020	Cases	Population	1,000,000
3	5	0	3	3	0	17	4,880,640	3.48
1	5	1	3	0	0	14	737,207	18.99
17	13	3	10	17	0	157	7,062,287	22.23
1	3	0	2	2	1	13	3,001,118	4.33
138	197	130	107	216	49	967	39,174,446	24.68
13	21	5	9	28	4	90	5,604,513	16.06
5	6	6	6	1	0	27	3,576,714	7.55
1	2	1	0	4	1	10	959,084	10.43
82	68	17	89	387	100	827	20,879,659	39.61
8	20	5	7	4	1	49	10,405,351	4.71
219	56	22	12	14	5	338	1,419,815	238.06
3	4	0	0	2	1	11	1,722,367	6.39
29	35	23	13	42	7	156	12,760,787	12.22
0	9	3	2	14	2	35	6,670,267	5.25
4	11	5	5	6	1	36	3,140,455	11.46
4	4	2	3	3	0	17	2,910,805	5.84
1	1	0	3	0	0	6	4,450,840	1.35
4	6	1	2	5	3	24	4,662,287	5.15
4	2	0	3	1	0	11	1,337,777	8.22
13	13	9	4	13	0	60	6,019,529	9.97
8	8	5	2	10	9	59	6,846,766	8.62
16	16	10	8	17	1	73	9,962,289	7.33
21	29	11	13	0	0	77	5,562,495	13.84
2	0	2	0	0	0	6	2,984,469	2.01
3	13	1	1	6	3	29	6,107,902	4.75
4	2	0	1	3	0	12	1,051,810	11.41
2	3	1	2	6	3	17	1,913,019	8.89
1	6	0	2	5	2	16	2,976,982	5.37
1	3	0	4	0	0	13	1,349,707	9.63
60	51	25	20	68	2	310	8,880,668	34.91
3	5	0	1	2	1	12	2,095,059	5.73
109	136	38	30	105	4	492	19,555,000	25.16
9	13	3	12	18	5	68	10,272,234	6.62
1	2	0	0	0	0	3	756,605	3.97
11	6	6	7	12	2	53	11,657,896	4.55
2	5	2	10	1	0	20	3,933,771	5.08

Both our hypotheses are TRUE: Southern States/territories (CA/AZ/LA/FL/Puerto Rico/Am. Samoa/Virgin Islands) have more disease cases than the Northern states/territories. New York is the only Northern state with high cases.