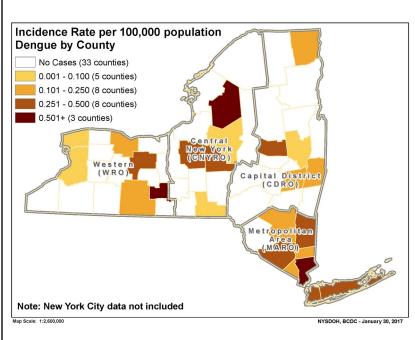
Dengue Fever



Dengue Fever Annual Incidence by Year and Region, NYS (excluding NYC), 2011-2015

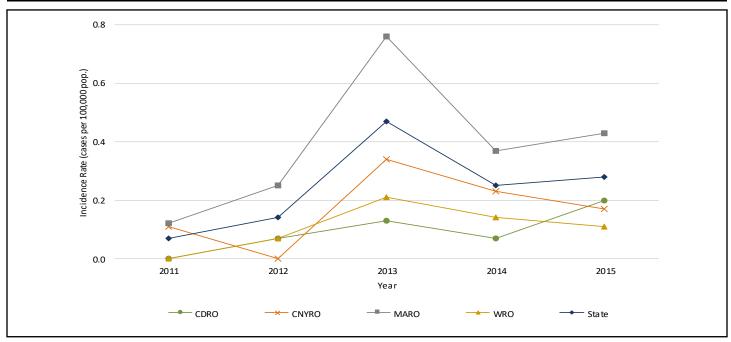
Dengue Fever is caused by an arbovirus in the genus *Flavivirus* and is caused by the bite of an infected mosquito. Dengue is generally associated with international travel, especially to places within the tropics and subtropics. To learn more about Dengue fever, please visit our website.

Recently the number of reported cases worldwide has increased as dengue spreads to new areas. With the exception of one locally acquired case in the Metropolitan Region of NYS in 2013, all dengue cases reported in NYS to date have been associated with travel. The Metropolitan Region of NYS generally has the highest incidence of dengue cases, associated with a cosmopolitan population with high rates of travel. That region had a sharp increase in incidence in 2013 related to international travel to endemic countries in Central and South America, where a dengue outbreak was occurring.

Of the 136 dengue fever cases from 2011 to 2015,

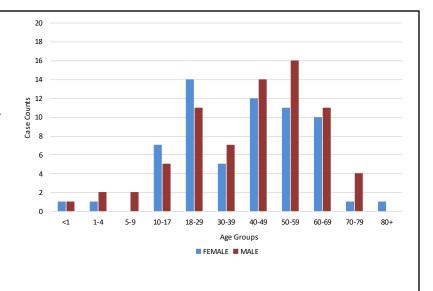
- 52.2% were hospitalized; and
- no deaths have been reported.

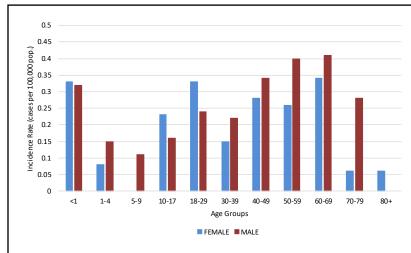
	Cases and Incidence Rate (per 100,000 pop), NYS (excluding NYC), By Year and Region (2011-2015)											
Region	2011		2012		2013		2014		2015		Total	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
CDRO	0	0	1	0.07	2	0.13	1	0.07	3	0.2	7	0.09
CNYRO	2	0.11	0	0	6	0.34	4	0.23	3	0.17	15	0.17
MARO	6	0.12	13	0.25	39	0.76	19	0.37	22	0.43	99	0.39
WRO	0	0	2	0.07	6	0.21	4	0.14	3	0.11	15	0.11
State	8	0.07	16	0.14	53	0.47	28	0.25	31	0.28	136	0.24



Dengue 5-Year Cumulative Frequency by Age Group and Gender, NYS (excluding NYC), 2011-2015

The highest number of cases is seen in men 50 to 59 and 40 to 49 years of age. In females the highest number of cases is seen in those 18 to 29 years of age.





Dengue 5-Year Average Incidence Rate by Age Group and Gender, NYS (excluding NYC), 2011-2015

The highest burden of disease is seen among infants. Other then in infants, males show an increase in rates of dengue with increasing age. In females, other than infants, the highest rates are seen in young adults 18 to 29 and older women 60 to 69 years of age.

Dengue Fever by International Travel History and Location of Travel, NYS (excluding NYC), 2011-2015

Dengue is predominantly found in the tropical and subtropical areas of the Americas, Asia, Africa, the Caribbean, and Oceania. Of the 136 cases of dengue reported in the past five years, 98.5% had recently traveled outside of the country. The remaining cases had an unknown travel history, with one locally acquired case in 2013. Fifty-five percent of cases had traveled to Central America or the Caribbean.

