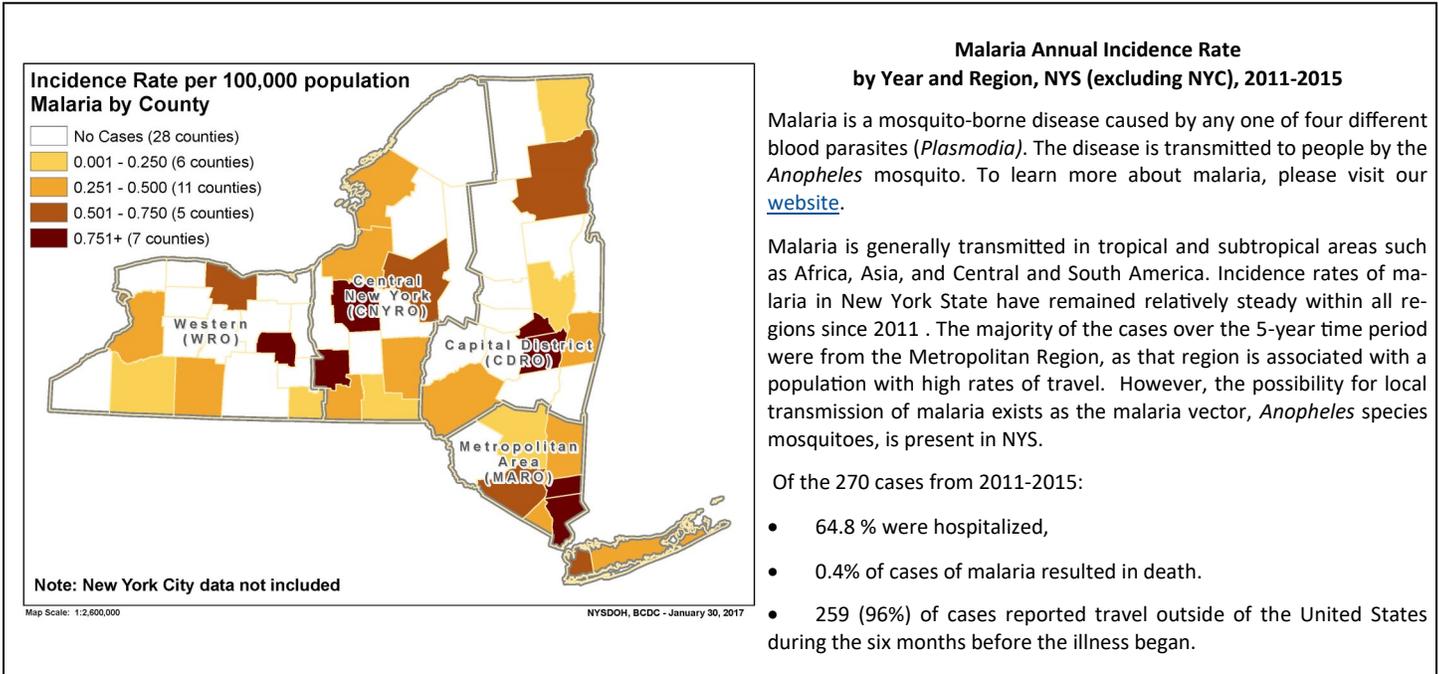
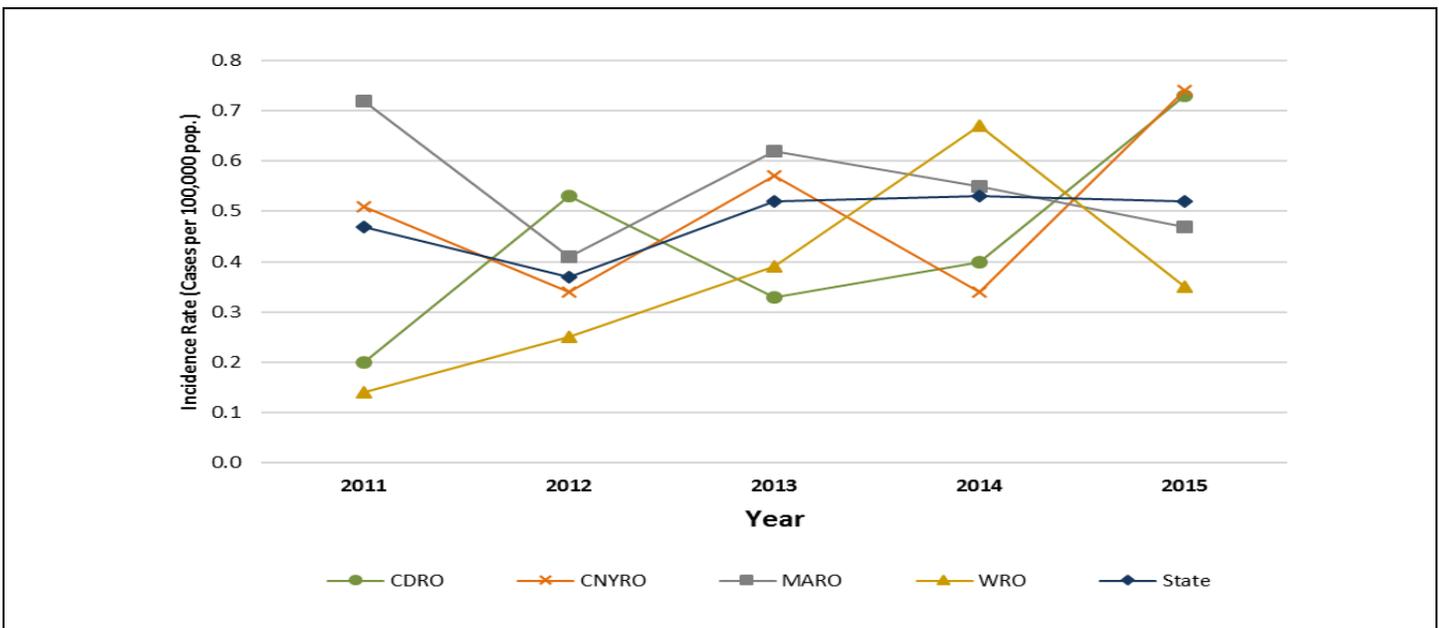


# Malaria

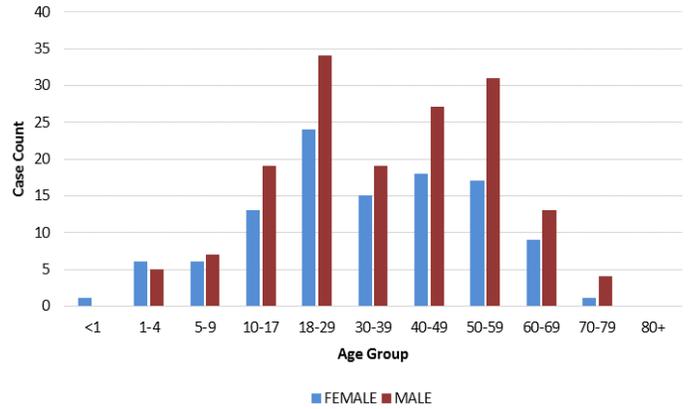
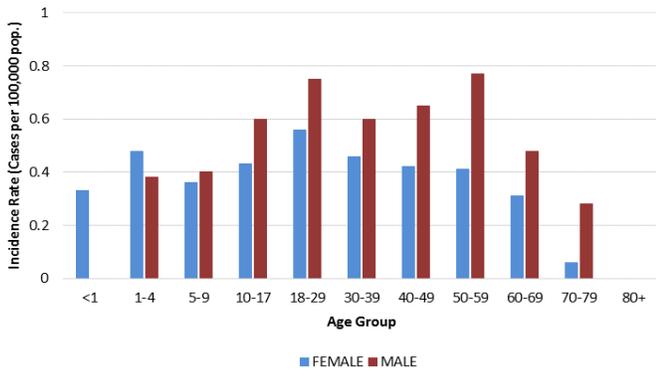


Region	Case and Incidence Rate (per 100,000 pop.), NYS (excluding NYC), 2011-2015											
	2011		2012		2013		2014		2015		Total	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
CDRO	3	0.20	8	0.53	5	0.33	6	0.40	11	0.73	33	0.44
CNYRO	9	0.51	6	0.34	10	0.57	6	0.34	13	0.74	44	0.50
MARO	37	0.72	21	0.41	32	0.62	28	0.55	24	0.47	142	0.55
WRO	4	0.14	7	0.25	11	0.39	19	0.67	10	0.35	51	0.36
State	53	0.47	42	0.37	58	0.52	59	0.53	58	0.52	270	0.48



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

Malaria cases for whom age was known occurred primarily in persons aged 10 to 59 years old. Males have a higher burden of disease than females.



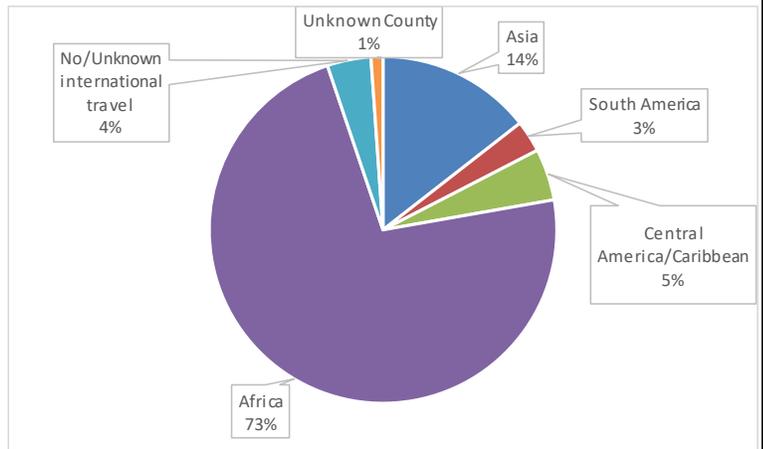
### Malaria 5-Year Average Incidence Rate by Age Group and Gender, NYS (excluding NYC), 2011-2015

The highest rates of Malaria occurred in individuals aged 18 to 59 years old. Incidence rates were higher in adult males than adult females. Female children aged < 5 years old had higher rates than males in the same age group.

### Malaria Cases by International Travel History and Location of Travel NYS (excluding NYC), 2011-2015

Malaria is generally transmitted in tropical and subtropical areas such as Africa, Asia, and Central and South America by an infected female *Anopheles* mosquito.

In the past five years 96% of cases reported travel outside of the United States during the six months before the illness began. The remaining cases, had no, unknown or missing travel history.



### Malaria Prevention (Chemoprophylaxis) NYS (excluding NYC), 2011-2015

Malaria prevention consists of a combination of mosquito avoidance measures and chemoprophylaxis.

Malaria chemoprophylaxis is preventive treatment which can significantly reduce the likelihood of infection and the severity of disease. Of the 270 cases reported, only 25% took prophylactic antimalarial drugs.

The recommended barrier interventions (such as long clothing and mosquito netting) may not be 100% effective, but are strongly encouraged for individuals traveling to areas where malaria is present.

