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Travel-Related Vector-borne Infections, Philadelphia

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Philadelphia is home to a diverse population, including many residents who are connected to tropical and subtropical regions of the world and often travel to these areas to visit friends and family where travel-associated vector-borne diseases (i.e. malaria, dengue, chikungunya, and Zika) are endemic.

	Travel- Malaria	Related Vector- Chikungunya	borne Infec Dengue	tions Zika	
Year, n	145	0	18	59 [°]	-
2020 ^a	7	0	1	0	-
2019	45	0	13	0	
2018	41	0	1	0	
2017 ^b	30	0	0	11	
2016 ^{bc}	22	0	3	48	1
Median Age (Range), y	41 (0-106)	-	35 (5-64)	34 (0-73)	1
Female, n (%)	60 (41%)	-	6 (33%)	45 (76%)	-
Foreign Born, n (%)	101 (69%)	-	6 (33%)	39 (66%)	•Ba
Hospitalized, n (%)	109 (75%)	-	11 (61%)	0 (0%)	= Bu = Cr = Et
Death, n (%)	0 (0%)	-	0 (0%)	0 (0%)	= H = Ja = P: = Si

Travel Destinations Vector-borne Infections Philadelphia, 2016—2020

Camboula	Colonidia	
Democratic Republic of the Congo	Dominican Republic	El Salvador
Ghana	Guatemala	Guinea
Honduras	Indonesia	Ivory Coast
Liberia	Mexico	Miami, Florid
Philippines	Puerto Rico	Senegal
Singapore	Sudan	Tanzania
= Togo	Trinindad	Uganda 🖉

^aPreliminary year to date data. Includes confirmed and probable cases.

^bUnspecified flavivirus infections re-classified as probable Zika.

^cTwo cases acquired through sexual contact with a returning traveler. Three cases were infants with asymptomatic congenital infection and no identified birth defects. All others traveled to an affected area.

Aedes Species Mosquito Activity – 2020 Season

Chikungunya, dengue, and Zika viruses are spread by *Aedes spp.* mosquitoes, which are daytime biters and found around homes due to their short flight range. *Aedes aegypti*, a principle vector for transmission of these viruses is not found in Philadelphia. *Aedes albopictus* (Asian tiger mosquito), a less efficient vector are present and active during warmer months in Philadelphia. PDPH will continue to assess the presence of *A. albopictus* in Philadelphia and closely monitor human surveillance data to promptly identify local transmission should it occur.

	A. aegypti	A. albopictus
Number of identifications since May 2020	0	684
Median number of mosquitoes per trap (range)	—	2 (1-907)
Percentage of all mosquito traps (with adult mosquitoes) set during 2020 season	—	25.5%
Percentage of residential zip codes with <i>Aedes</i> mosquitoes	—	78.7%



^aAdult A. albopictus identified 684 times at 167 locations.

• Report suspected and confirmed infections to the Philadelphia Department of Public Health by telephone at 215-685-6742 (215-686-4514 after hours) or fax at 215-238-6947.

Worldwide Distribution Reports

Zika | Dengue | Chikungunya