

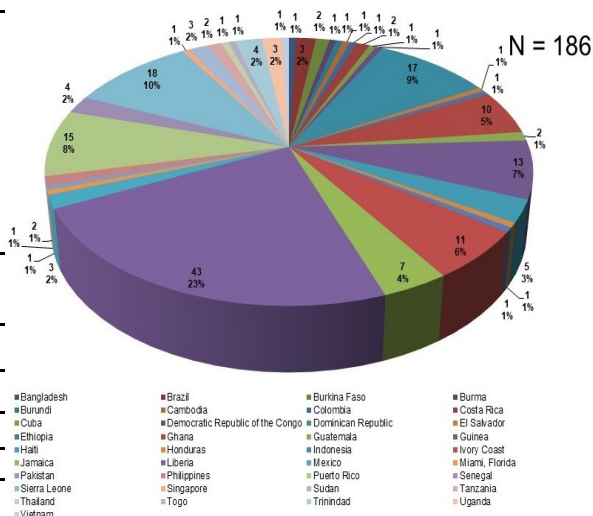
Travel-Related Vector-borne Infections, Philadelphia

October 23, 2020

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.

| Year, n | Travel-Related Vector-borne Infections | | | |
|-----------------------|--|-------------|-----------|-----------|
| | Malaria | Chikungunya | Dengue | Zika |
| 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 |
| Median Age (Range), y | 41 (0-106) | - | 35 (5-64) | 34 (0-73) |
| Female, n (%) | 60 (41%) | - | 6 (33%) | 45 (76%) |
| Foreign Born, n (%) | 101 (69%) | - | 6 (33%) | 39 (66%) |
| Hospitalized, n (%) | 109 (75%) | - | 11 (61%) | 0 (0%) |
| Death, n (%) | 0 (0%) | - | 0 (0%) | 0 (0%) |

Travel Destinations Vector-borne Infections Philadelphia, 2016—2020



Worldwide Distribution Reports

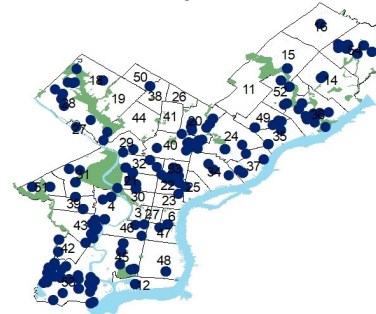
[Zika](#) | [Dengue](#) | [Chikungunya](#)

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.

| | <i>A. aegypti</i> | <i>A. albopictus</i> |
|---|-------------------|----------------------|
| 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% |

A. albopictus Locations^a Philadelphia, 2020



^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.