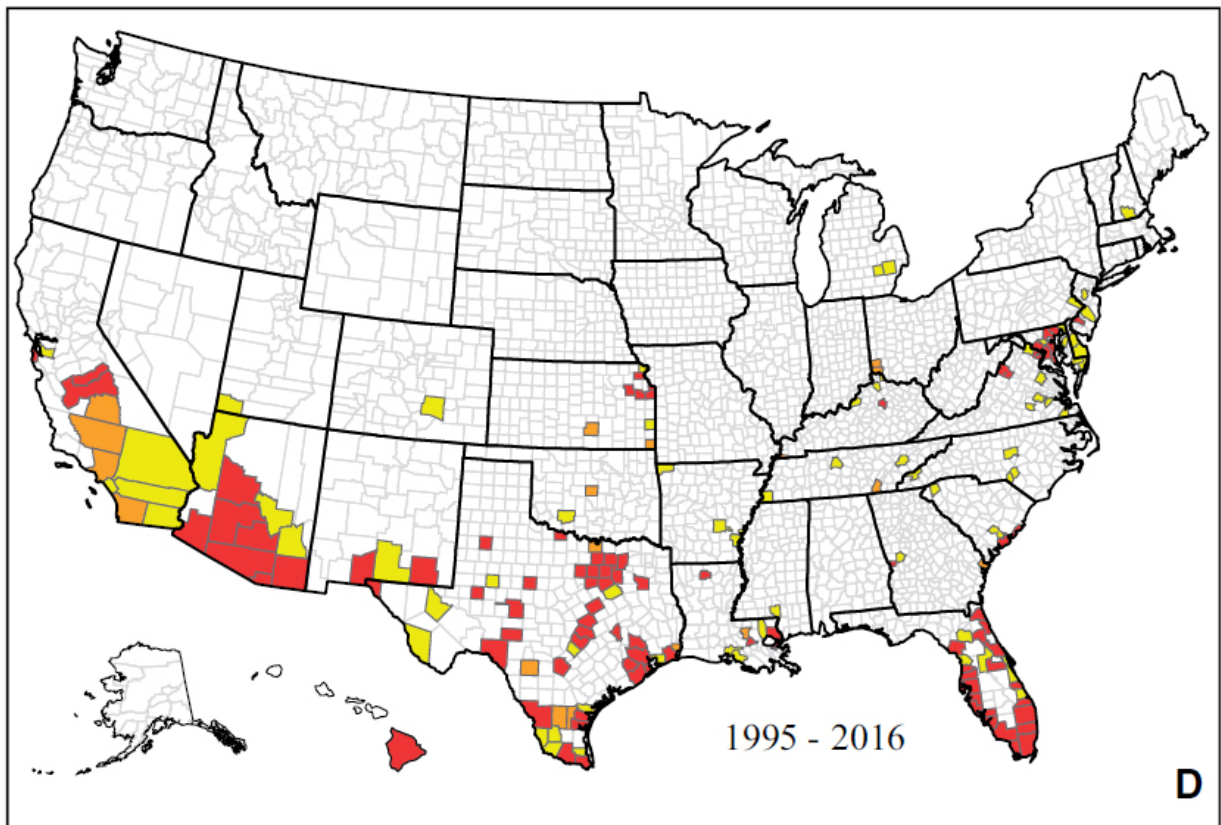


Researchers map mosquitoes that transmit Zika and Dengue by county

June 9 2016



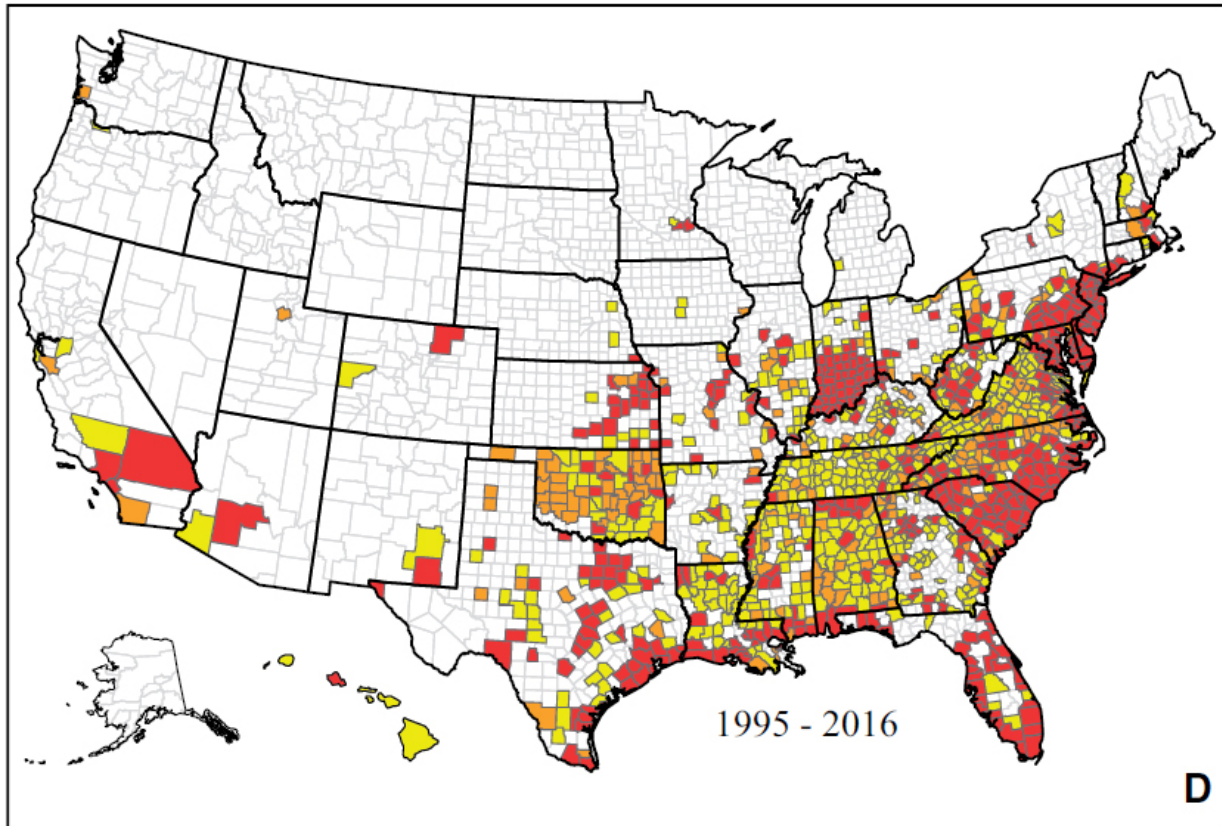
This map shows counties where *Aedes aegypti* was reported between Jan. 1, 1995, and March 2016. Counties shown in yellow had records for one year within that time period; those shown in orange had two years of presence records, and those shown in red had three or more years of presence records. Credit: Entomological Society of America

The mosquitoes known as *Aedes aegypti* and *Aedes albopictus* transmit arboviruses that are increasing threats to human health in the Americas, particularly dengue, chikungunya, and Zika viruses. Therefore, accurate and up-to-date information for the geographical ranges of these mosquitoes have been urgently needed to guide surveillance and enhance control capacity for these mosquitoes.

A new article published in the *Journal of Medical Entomology* features maps of counties in the United States where these mosquitoes have been recorded, based on records from the Centers for Disease Control and Prevention ArboNET database, VectorMap, the published literature, a survey of mosquito control agencies, university researchers, and state and local health departments.

Between January 1995 and March 2016, 183 counties from 26 states and the District of Columbia reported the occurrence of *Aedes aegypti*, and 1,241 counties from 40 states and the District of Columbia reported the occurrence of *Aedes albopictus*.

"Our findings underscore the need for systematic surveillance of *Ae. aegypti* and *Ae. albopictus* in the United States and delineate areas with risk for the transmission of these introduced arboviruses," the authors wrote.



This map shows counties where *Aedes albopictus* was reported between Jan. 1, 1995, and March 2016. Counties shown in yellow had records for one year within that time period; those shown in orange had two years of presence records, and those shown in red had three or more years of presence records. Credit: Entomological Society of America

More information: Reported Distribution of *Aedes* (*Stegomyia*) *aegypti* and *Aedes* (*Stegomyia*) *albopictus* in the United States, 1995-2016 (Diptera: Culicidae), DOI: [dx.doi.org/10.1093/jme/tjw072](https://doi.org/10.1093/jme/tjw072) , [jme.oxfordjournals.org/content ... 016/06/07/jme.tjw072](https://jme.oxfordjournals.org/content/016/06/07/jme.tjw072)

Provided by Entomological Society of America

Citation: Researchers map mosquitoes that transmit Zika and Dengue by county (2016, June 9)
retrieved 25 April 2024 from

<https://medicalxpress.com/news/2016-06-mosquitoes-transmit-zika-dengue-county.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.