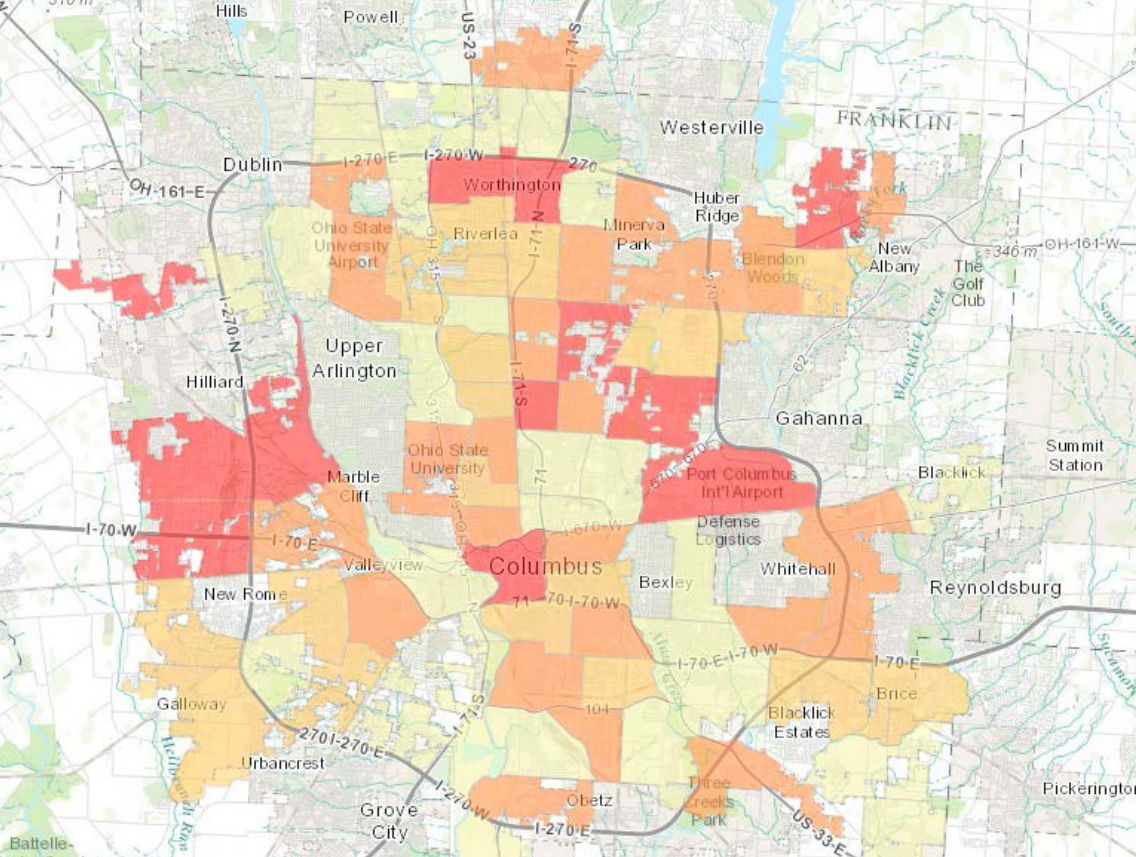


Effective Vector-Borne Control & Surveillance

Responding to the Zika Virus with GIS



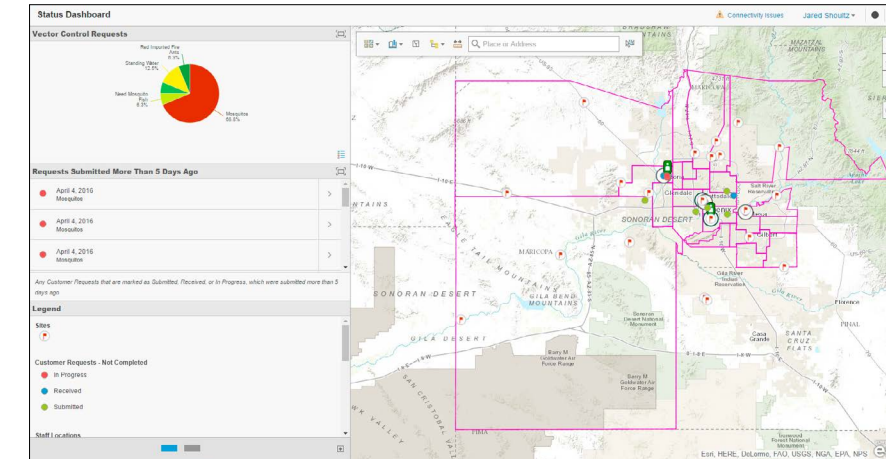


The City of Columbus Public Health traps mosquitoes each June to test for the West Nile virus. This map shows the population density of mosquitoes and where they were trapped.

ArcGIS: Driving Efficient Response and Recovery

Understanding How GIS Addresses the Prevention, Surveillance, and Reporting of Vector-Borne Disease

With the ArcGIS platform, you can generate insight from location data that provides essential support to decision makers and the public. Gathering, analyzing, and enriching current data on any device is needed to relay important and lifesaving information efficiently and effectively.



The Surveillance and Status Dashboard allows supervisors to view locations of field staff, reported requests, and where treatments are overdue.

A Smarter Approach to Vector Surveillance

Management through Awareness

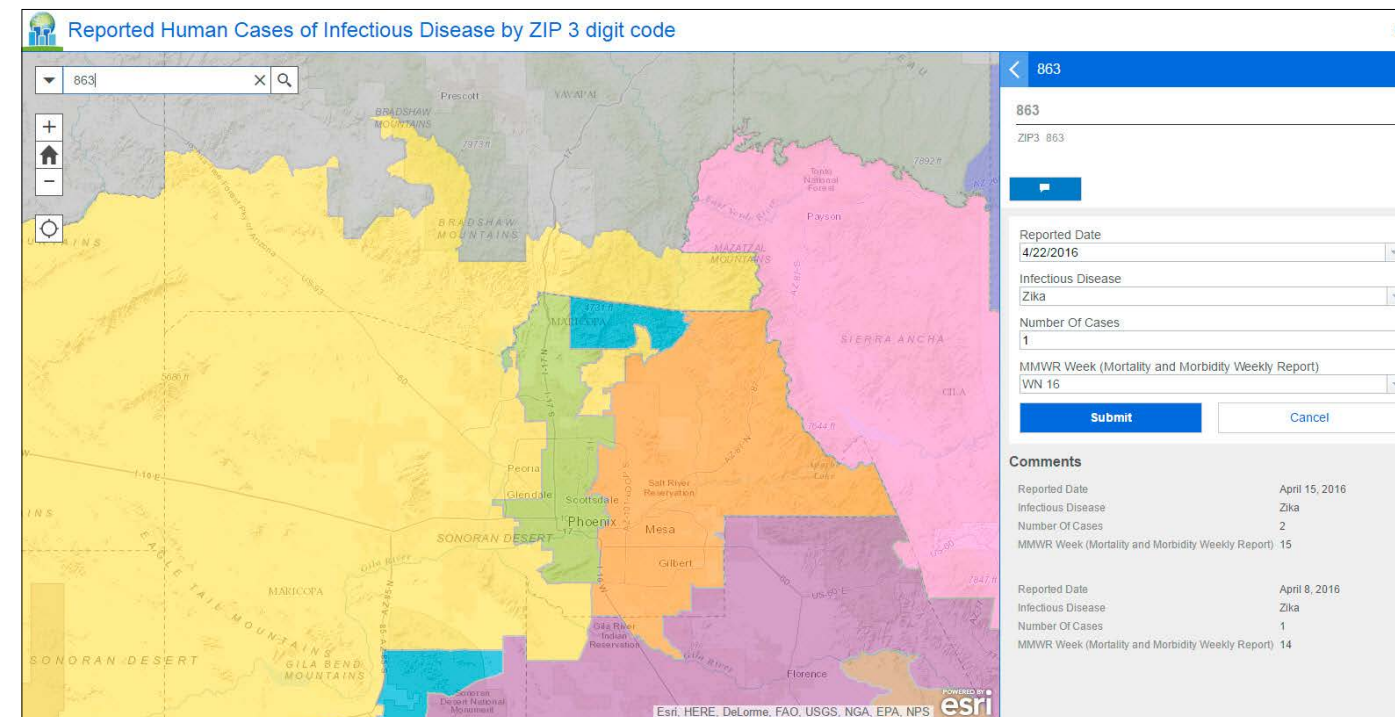
The work of public health professionals is critical in combating the spread of vector-borne disease through prevention and surveillance. Protecting and educating the population help reduce the number of those affected by vector-borne diseases. The ability to efficiently monitor, visualize, and analyze data such as climate and environmental factors and determine how they affect the spread of the vector can not only slow but even prevent an outbreak.

Transform the Way You Work

Today's leading public health professionals use geographic information system (GIS) technology to meet the challenges of planning for, carrying out, and analyzing the effects of vector disease outbreaks. Leveraging the Esri® ArcGIS® platform results in effective planning and analysis, efficient coordination with field operations, cost savings, and improved communication with the public. For these reasons, organizations use Esri solutions to strengthen their vector monitoring and management operations.

Empowering Decision Makers, Epidemiologists, and the Public

Health officials recognize vector-borne disease control as a series of connected functions and workloads. Effective communication between epidemiologists and the officials who make decisions based on their analysis allows purposeful decision making. Connecting the public with your efforts will increase awareness and protect at-risk populations. With ArcGIS, all these workflows become integrated, and stakeholders can collaborate to create a unified front.



This Crowdsourcing application allows you to visualize data over time and enable analysis of current and predicted spread of disease.

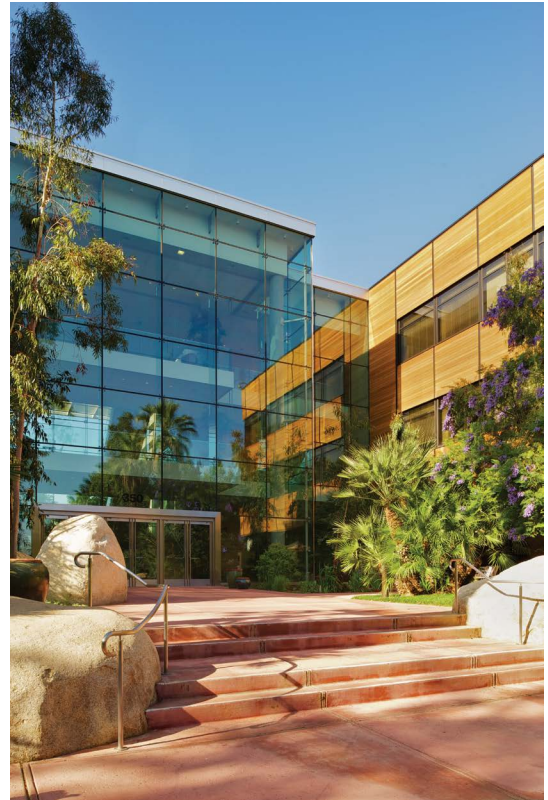
GIS for Public Health

- Increase field crew efficiency
- Monitor operations in real time
- Effectively target areas based on historical and environmental data
- Increase communication within your organization and with the public
- Monitor incoming complaints from citizens
- Effective disease surveillance
- Visualize service requests, hot spots, and service results
- Monitor for efficacy



Esri inspires and enables people to positively impact their future through a deeper, geographic understanding of the changing world around them.

Governments, industry leaders, academics, and nongovernmental organizations trust us to connect them with the analytic knowledge they need to make the critical decisions that shape the planet. For more than 40 years, Esri has cultivated collaborative relationships with partners who share our commitment to solving earth's most pressing challenges with geographic expertise and rational resolve. Today, we believe that geography is at the heart of a more resilient and sustainable future. Creating responsible products and solutions drives our passion for improving quality of life everywhere.



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