Outbreak Survillance & Control
Is Your Community Prepared?

GISinc

OSC | OUTBREAK SURVEILLANCE & CONTROL

Location-based decision making.
Powered by GISinc.

Mapping An Outbreak

The Outbreak Surveillance and Control (OSC) solution from GISinc delivers location technology to support your mosquito surveillance and control. This powerful, web/mobile solution empowers organizations with location-based decision making. Location technology solutions delivered to help you:

• Engage citizens
• Streamline field operations
• Conduct surveillance on mosquito populations
• Plan and record treatment operations
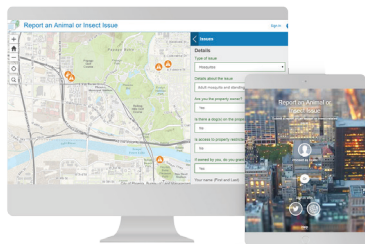• Ensure timely control & communication to the affected and at risk populations

An OSC Solution for Zika

The number of Zika cases reported in the Unites States is increasing. The Gulf Coast region is forecasted to be one of the highest risk US regions for localized transmission. The opportunity to implement location-based tools for proactive mosquito surveillance and control is here.
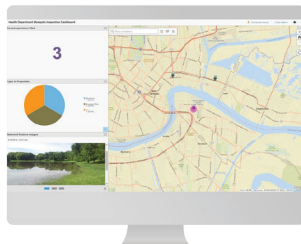
With 25 years of extensive experience in the geospatial industry, GISinc is a renowned leader in providing solutions to solving complex problems for organizations worldwide. Utilizing our expertise in location technology, GISinc has exclusively partnered with Dr. Gavin Macgregor-Skinner, a global expert in infectious disease control, to develop a comprehensive surveillance and control solution for Zika and other disease outbreaks.
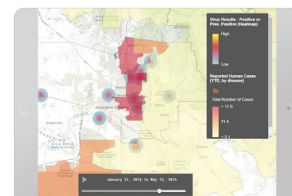
Don't Wait Until It Is Too Late.

Effective outbreak control starts with source reduction and analysis. Protect your community now with Outbreak Surveillance and Control. Visit zika.gisinc.com for a free demo or email health@gisinc.com for more details.

Monitoring & Surveillance

Control & Testing

Outreach & Education

esri **Partner Network** Platinum

ArcGIS Online Specialty

ArcGIS Marketplace Provider

ArcGIS for Local Government Specialty

Cityworks Partner Network

Hillsborough County Prepares for Zika with Outbreak Surveillance and Control

The Mosquito Control Program of Hillsborough County, Florida was established to protect citizens against the more than 40 species of mosquitoes that reside in the county. Their fight against mosquito-borne illnesses involves controlling the mosquito population with 75 traps and 20,000 larvae inspections per year.

During the summer of 2016, Zika - a highly dangerous and infectious disease transmitted through the bite of an infected mosquito – swept the Americas and made its first U.S. appearance in Florida. As fears quickly escalated, local governments with vector control programs geared up to prevent the infections from spreading.

Hillsborough County approached GISinc with an interest in deploying its Outbreak Surveillance and Control (OSC) Jumpstart with the goal of making the Mosquito Control Program more effective in the prevention of vector-borne diseases. The OSC Jumpstart is a focused rollout of ArcGIS Online solutions to streamline current workflows that vector control departments already have in place; thereby delivering a "Quick Win" and a foundation for growth. For Hillsborough County Mosquito Control, the quick win was an implementation of the multiple, off the shelf, Esri templates focused on different workflows within mosquito control.

GISinc identified areas where current Mosquito Control workflows were not supported and implemented additional solutions to improve data collection for different inspections. Solutions for field crews, administration, and operations were put in place with relationships between each solution clearly defined. Dashboards were also created to improve transparency and data sharing between departments.

In just one week...
• 20 applications supporting 10 solutions and workflows were implemented.
• Paper-driven inspections were completely migrated to digital forms in Collector for ArcGIS.
• Metrics were automatically displayed on Operations Dashboards to show usage of chemicals for treatments.
• Using Web AppBuilder, planning applications allowed operations personnel to oversee what areas their trucks needed to spray each night.
• All data was readily available via ArcGIS Online to store and manage.

GISInc helped the Hillsborough County Mosquito Control Program to rapidly meet and exceed its goal to be more efficient in the services they provide while reducing the risk for Zika and other vector-borne diseases.

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