

Cali, Colombia

Data-driven Zika virus control



Colombia had the second largest Zika virus outbreak in the world in 2016 with the City of Cali accounting for 23% of the country's cases. With funding from USAID, Cali's Department of Public Health and Premise are working to digitize the city's vector control program, integrate data science into their workflows, and enlist a citizen network of Premise contributors to bolster the city's vector surveillance program.

Results:

- 615,000+ sewage opening inspections have been performed by Cali's Department of Public Health with the Premise platform
- Integrating data science into city's workflow produced a 27% decrease in Aedes risk in high risk "Hot Spots"

Next Steps:

- Recruit a network of 100 citizens to bolster Cali's vector surveillance efforts
- Expand project to 2 additional Colombian cities by end of 2018

54,000

Citywide sewer openings requiring regular vector surveillance

615,000+

Vector Control Inspections with Premise platform

-27%

Aedes index risk reduction in high risk "hot spots"