

Abstract

Halton Region's West Nile Virus Information System

Track: Health and Human Services

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The West Nile Virus Information System is a client-server application developed to assist staff with virus data collection and analysis. Residents report dead bird sightings to Halton Region Customer Service Representatives. Bird, caller and the generated X-Y information is then stored into an RDBMS. The system also provides functionality to track human cases and mosquito activity. Epidemiologists use the application's flexible reporting tool to view the data, determine "Hot Zones" and analyze trends, which support the development of reactive and preventative strategies. Health Canada claimed that Halton's system manages the most comprehensive West Nile Virus surveillance dataset in Canada.

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