

# New Methods for Public Health Surveillance

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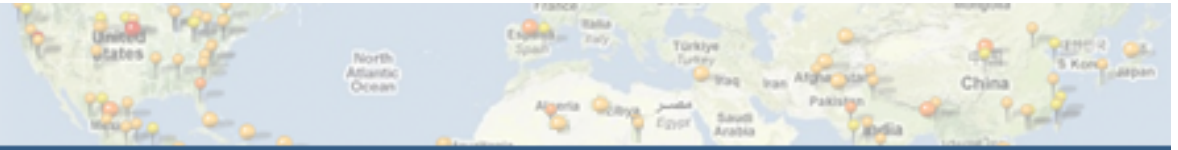
## Funding

google.org



CIHR IRSC





## Objectives

- What is HealthMap?
- *Informal surveillance* methods
- Discuss: OLPC and public health





# HealthMap

Global health, local information

[Register](#) | [Forgot](#)[Password?](#)

HealthMap for your **SmartPhone** [More »](#)

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**Outbreak Missing?**

[Add it to the map](#)

**Activity Index**

Low High

Country Level

Local/Province Level

- [Latest Alerts](#)
- [WorldWide Alerts](#)
- [Denque Risk View](#)
- [HMCommunity](#)

### Alerts Now Showing

Source	Date	Summary	Disease	Location	Cases	Deaths	Related
	29 Apr	<a href="#">PRO/AH/EDR&gt; Rabies, wildlife - USA (07): fox, raccoon</a>	Rabies	<a href="#">United States</a>			<a href="#">»</a>
	29 Apr	<a href="#">Joe Arroyo under strict medical care for respiratory disease - A Day ...</a>	Chronic/Non-Infectious Disease	<a href="#">United States</a>			<a href="#">»</a>
	29 Apr	<a href="#">Association between glycemc index, glycemc load, and fructose with ...</a>	Chronic/Non-Infectious Disease	<a href="#">United States</a>			<a href="#">»</a>
	29 Apr	<a href="#">World Health Organization Dubious About 3-In-1 Flu Shots</a>	Swine Flu H1N1	<a href="#">United States</a>			<a href="#">»</a>

English

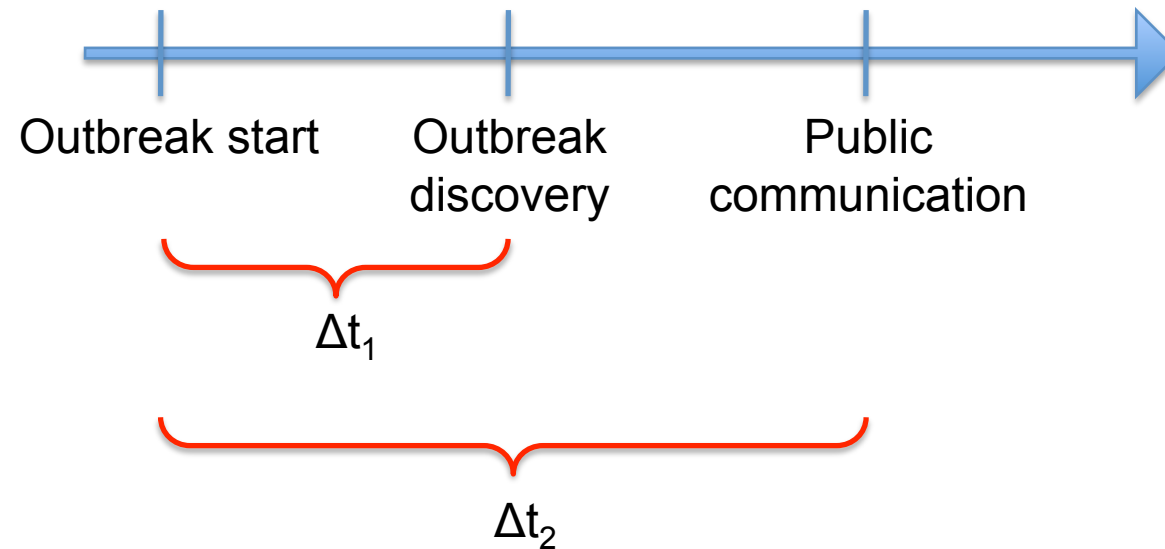
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Last update: 29 Apr 2010 12:24 | Next update: 29 Apr 2010 13:24



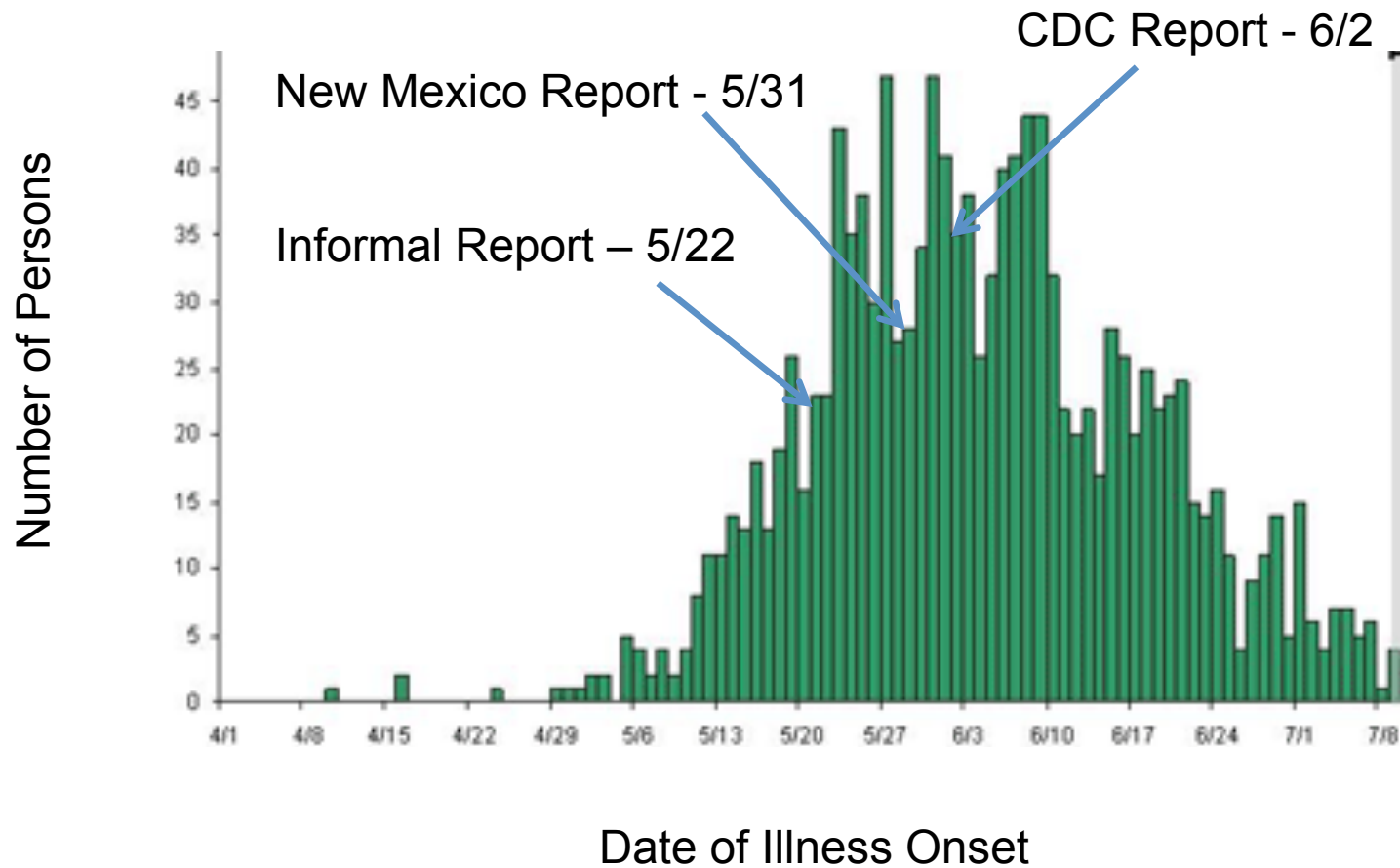


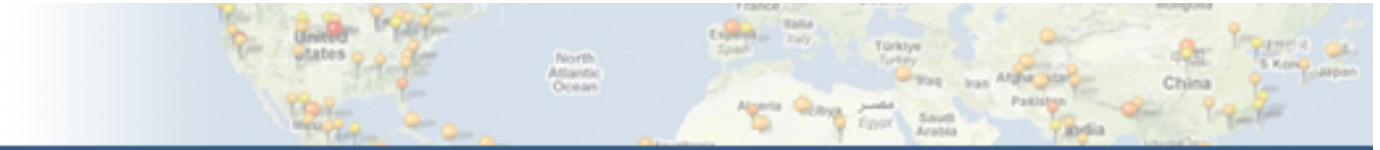
# Global Health Surveillance Timescale





# Epidemic Curve - Salmonella Saintpaul





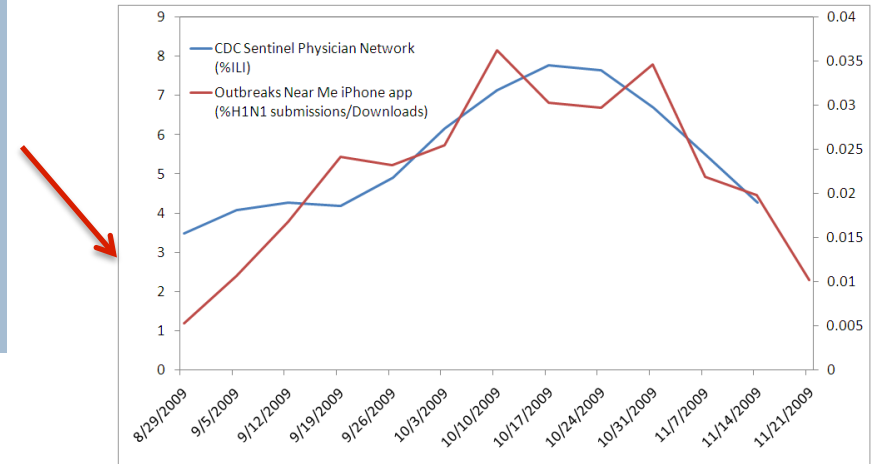
# Next Generation Public Health: Participatory Epidemiology



**Community input**



**Post to public**



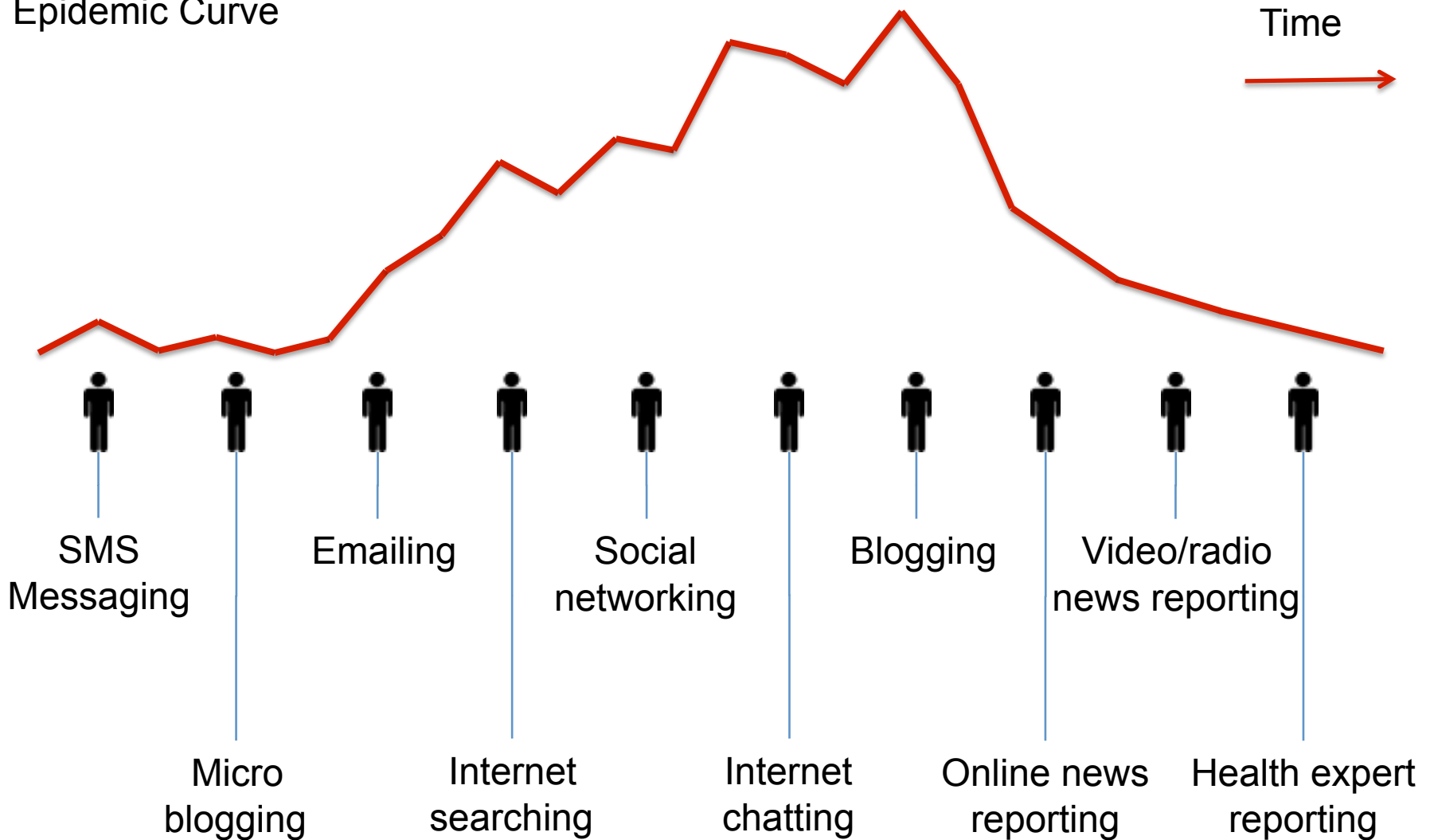
**Aggregate**

**Notify users**

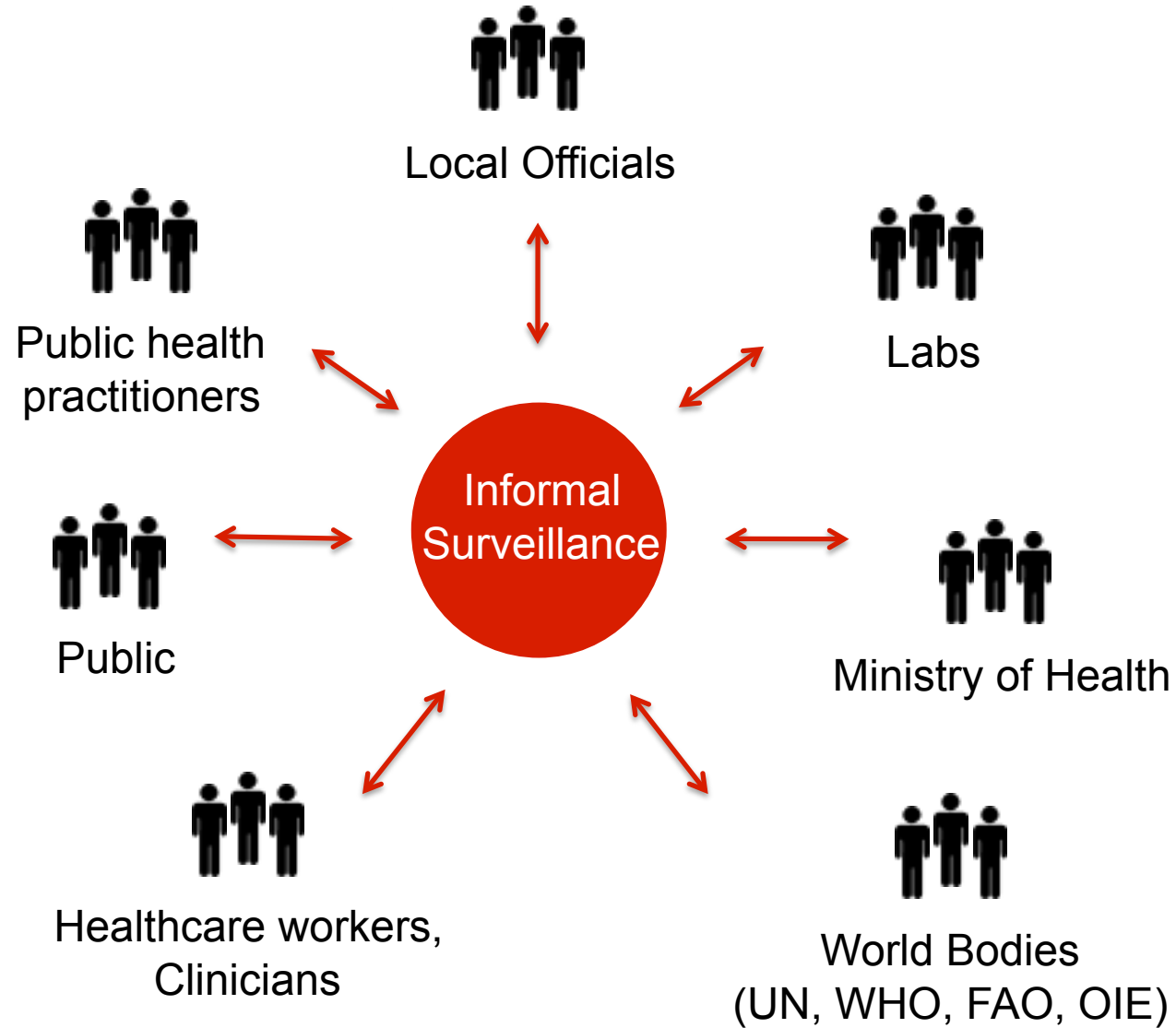
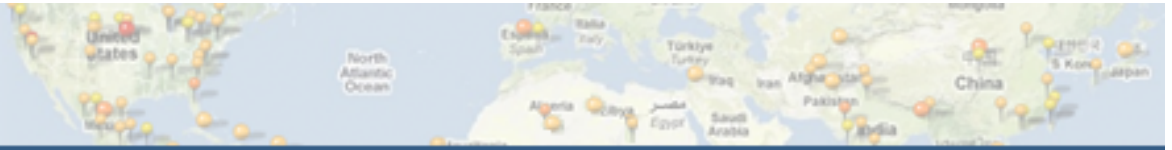




## Epidemic Curve

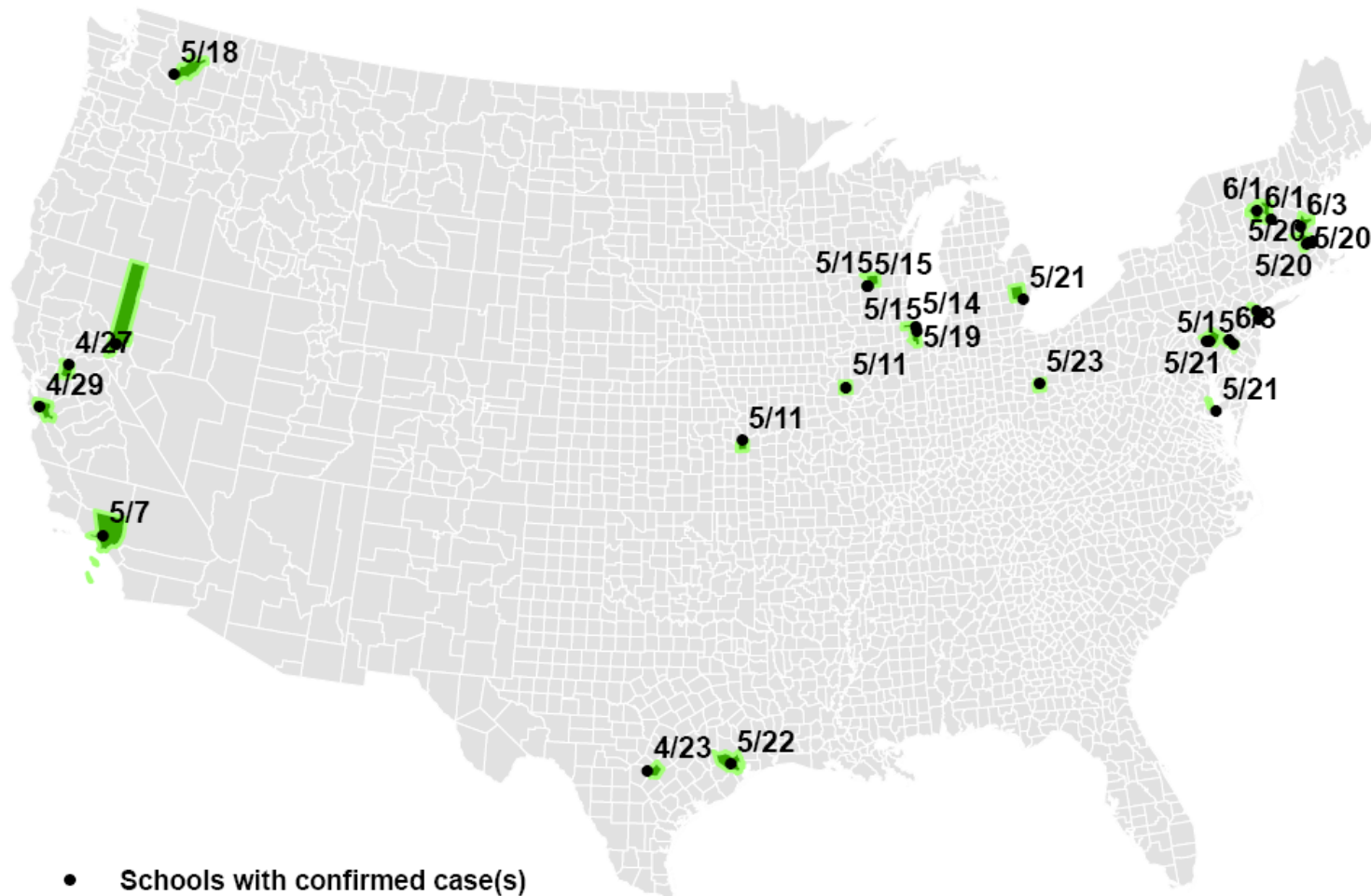









# School closures



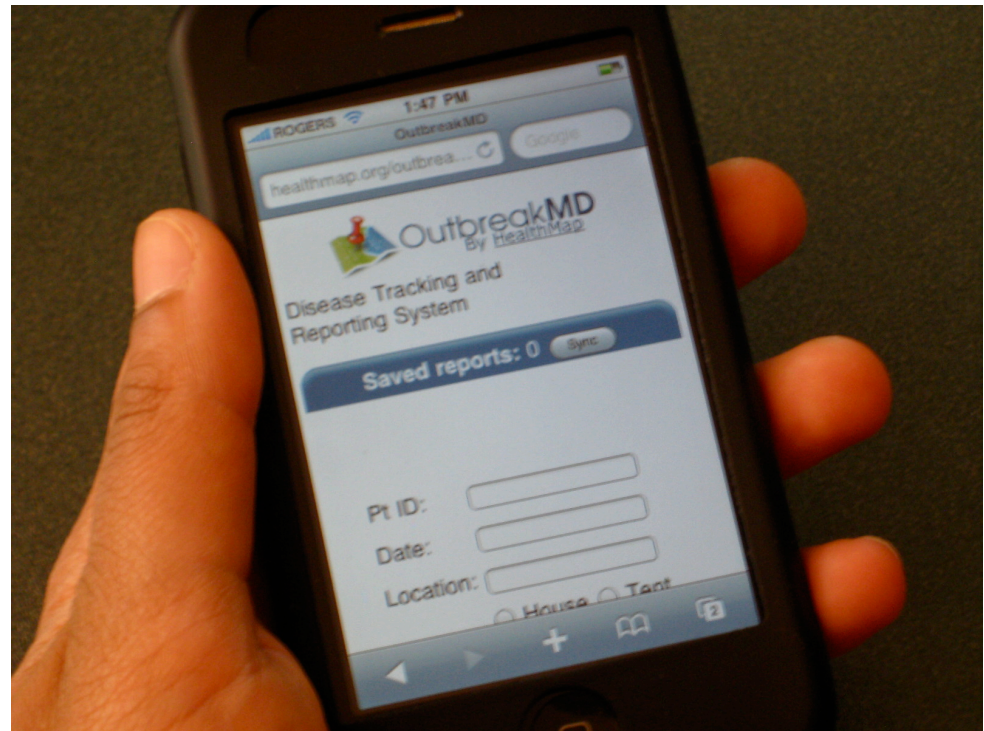
• Schools with confirmed case(s)

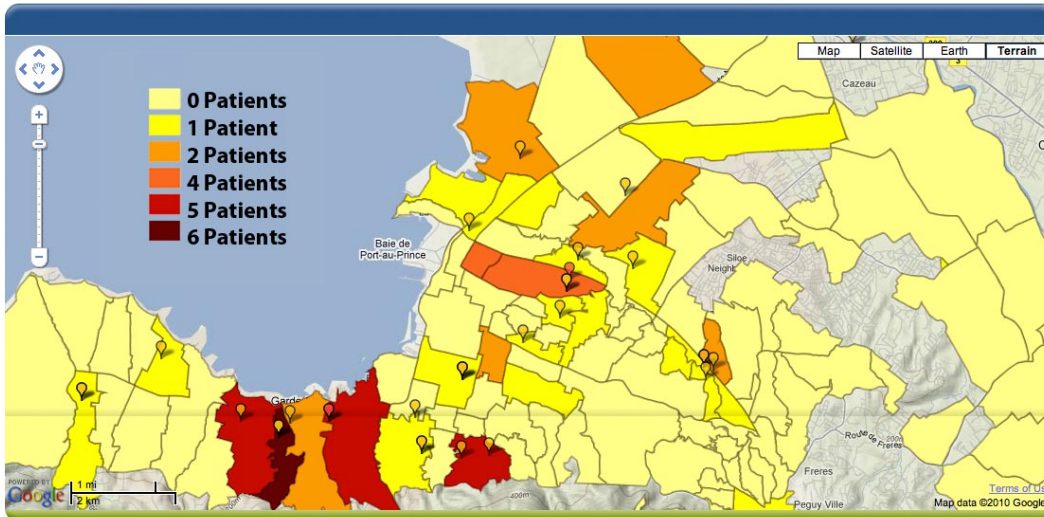
 Counties with schools with confirmed cases



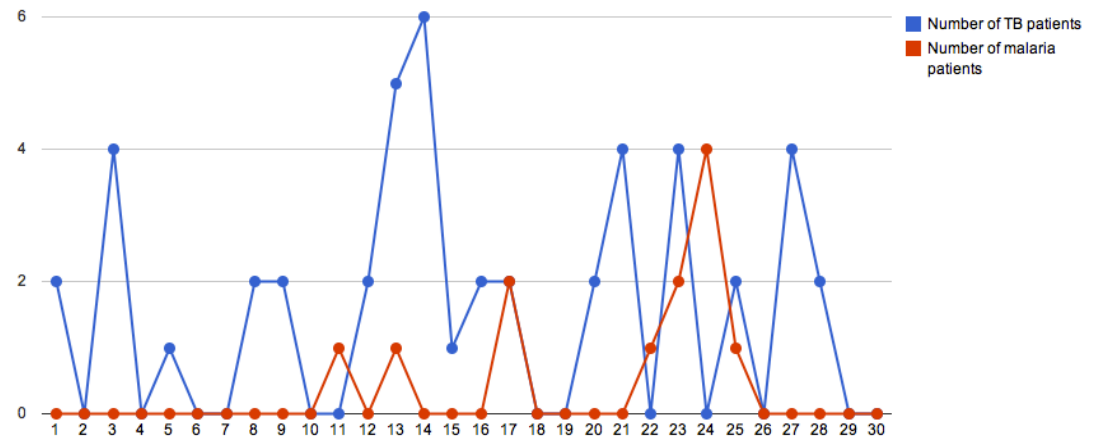


 **OutbreakMD**  
By HealthMap





Daily disease categories for April





## Possible Avenues for OLPC

- Participatory epidemiology
  - Targeted interventions
  - Risk assessment
  - Cluster detection
- Targeted health education
- Correlate public health information with other parameters
- Gather clinical information
- What else?

