

A Curious Case of the Measles

The Physical and Digital Spread of Measles

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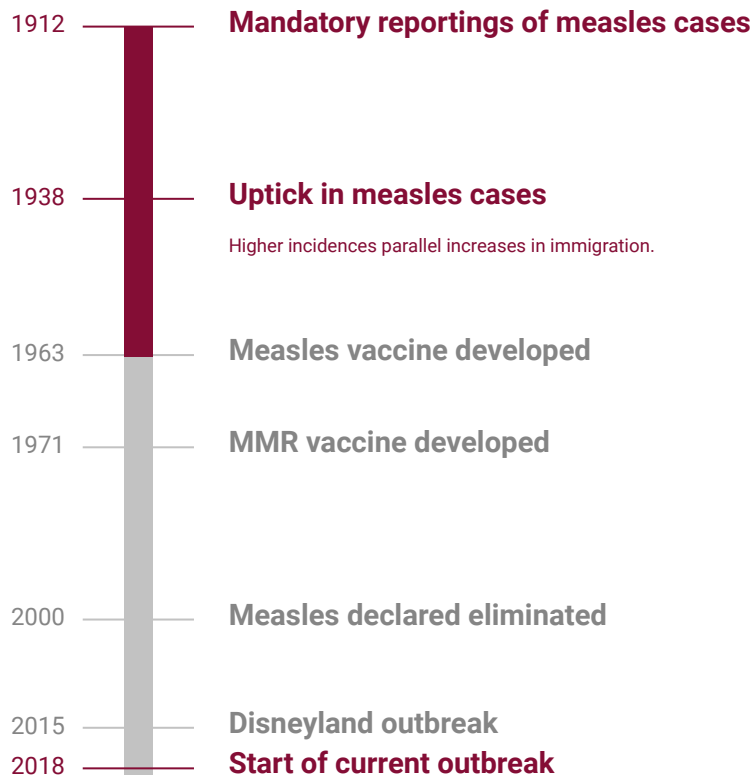
Motivation

- In light of the current outbreak, we wanted to explore why measles may be returning. We did this by:
 - Mapping the disease's historical trajectory;
 - Identifying locations where it has been most common alongside key demographics;
 - Highlighting different points of view on vaccination since lowered herd immunity is credited with the disease spread; and
 - Focusing on New York City schools to see if the City's Measles Mandate appropriately identified the areas at highest risk of disease transmission.



Website

- Orient the viewer first to the history of the measles in the United States;
- Bring the viewer up to speed on the current outbreak;
- Narrow their focus to the state of New York; and
- Identify schools at risk of being a location where measles may spread within New York City area schools.



Data Sources

- Center for Disease Control's National Notifiable Disease Surveillance System
- Center for Disease Control's Measles, Mumps, and Rubella (MMR) Immunization Coverage
- State Department of Health websites (California, New York, Oregon, and Washington)
- Department of Agriculture Economic Research Service
- Google
- Twitter Search API
- New York State Department of Health School Immunization Survey

How infectious is measles?

One person can infect 12-18 susceptible people