A hand is pointing at a document on a table. The document contains several charts and graphs, including a Venn diagram with four overlapping circles in red, yellow, green, and blue. There are also bar charts and circular progress indicators. The background is a blurred office setting with a tablet and a cup of coffee.

Pertussis Update

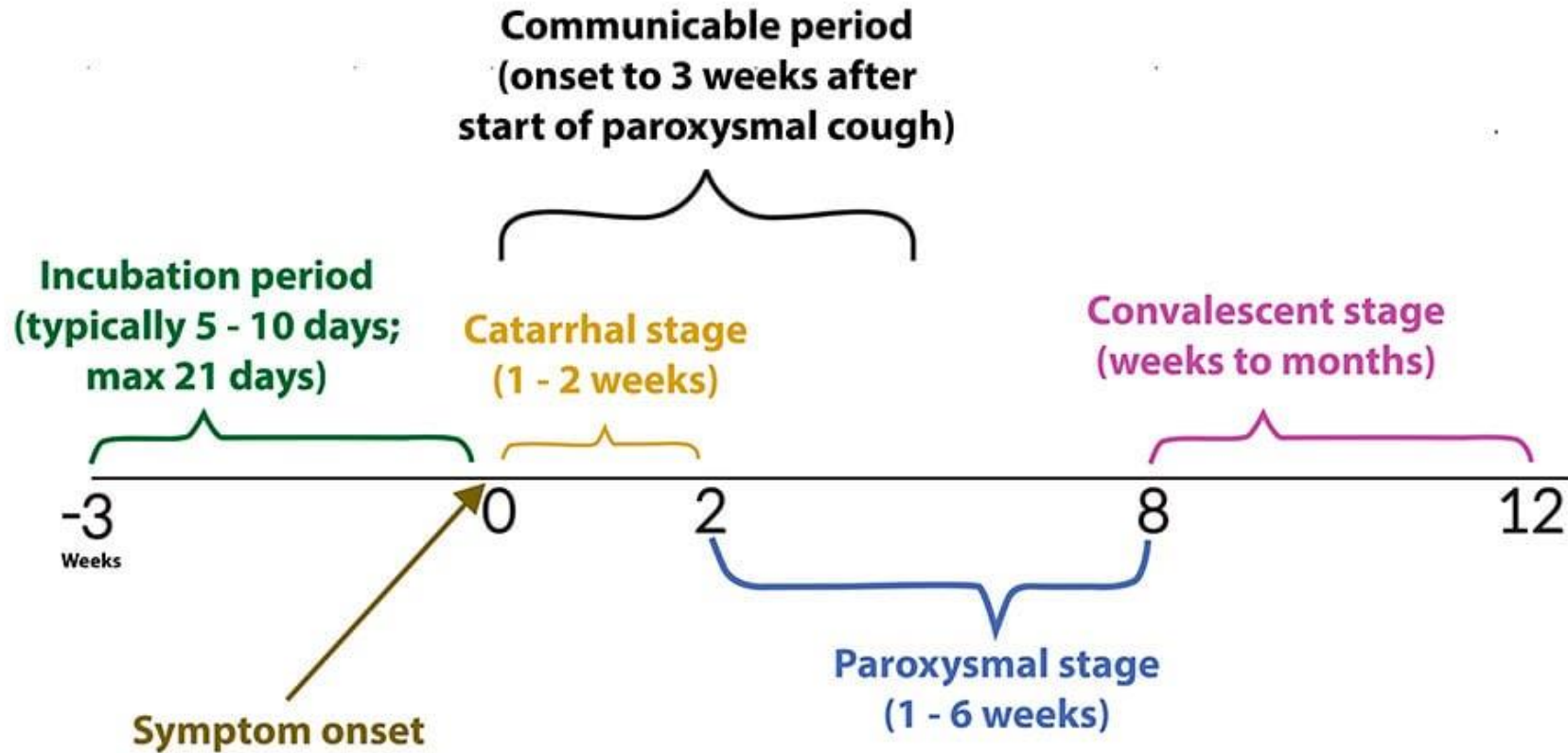
Dr. Robert Kruse, State Medical Director

February 28, 2025

Pertussis Background

- ▶ Respiratory bacterial infection, also known as "whooping cough"
 - Characterized by severe, paroxysmal (fitful) coughing attacks that end in a "whooping" sound
- ▶ Spread through contact with respiratory droplets
 - Highly contagious, 80-90% secondary attack rate in household contacts
- ▶ Treatment with antibiotics is recommended for people infected, for symptomatic contacts, and for high-risk contacts to prevent illness
- ▶ Most effective protection is DTaP and TDaP vaccines

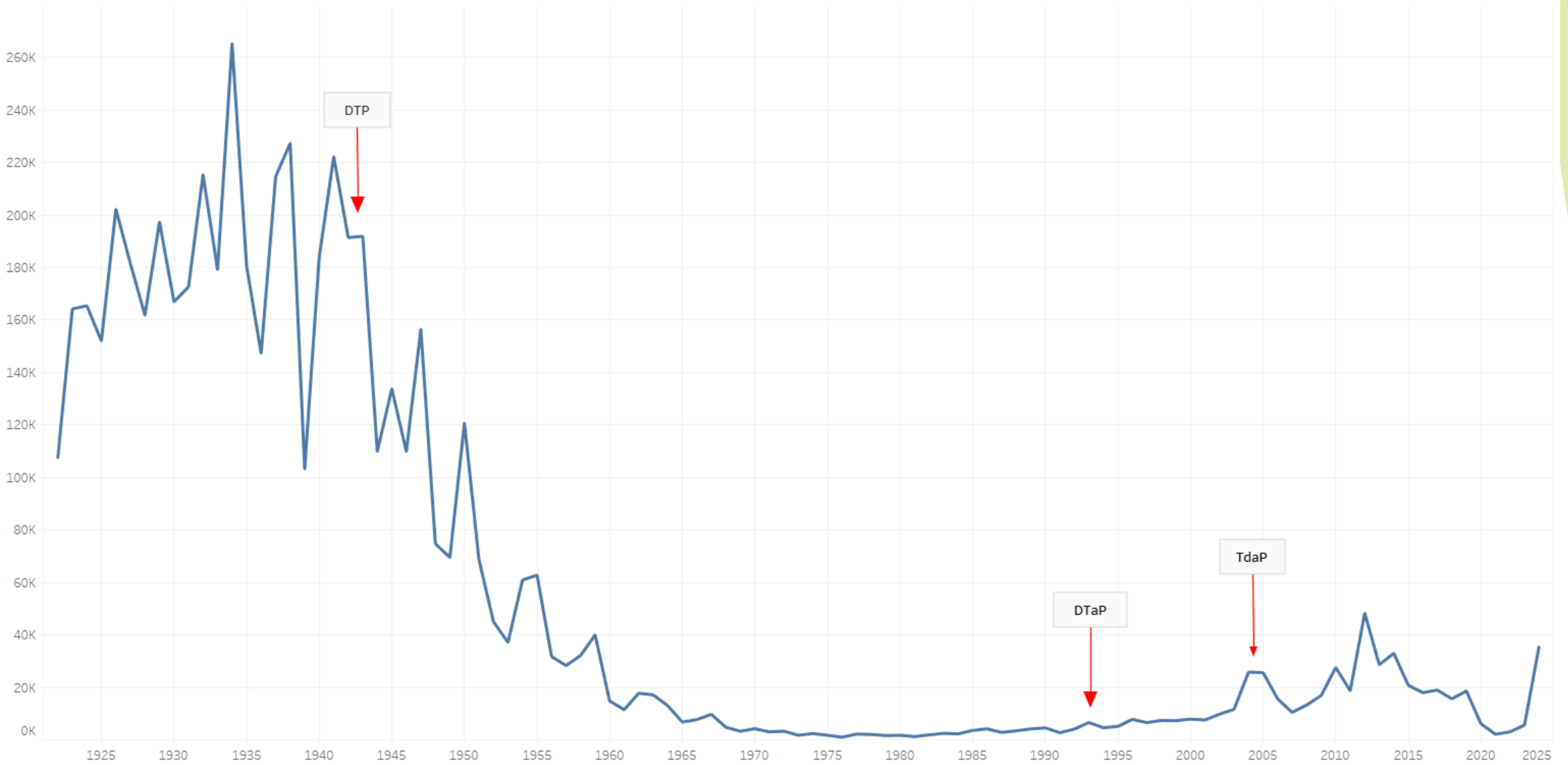
Pertussis Disease Progression



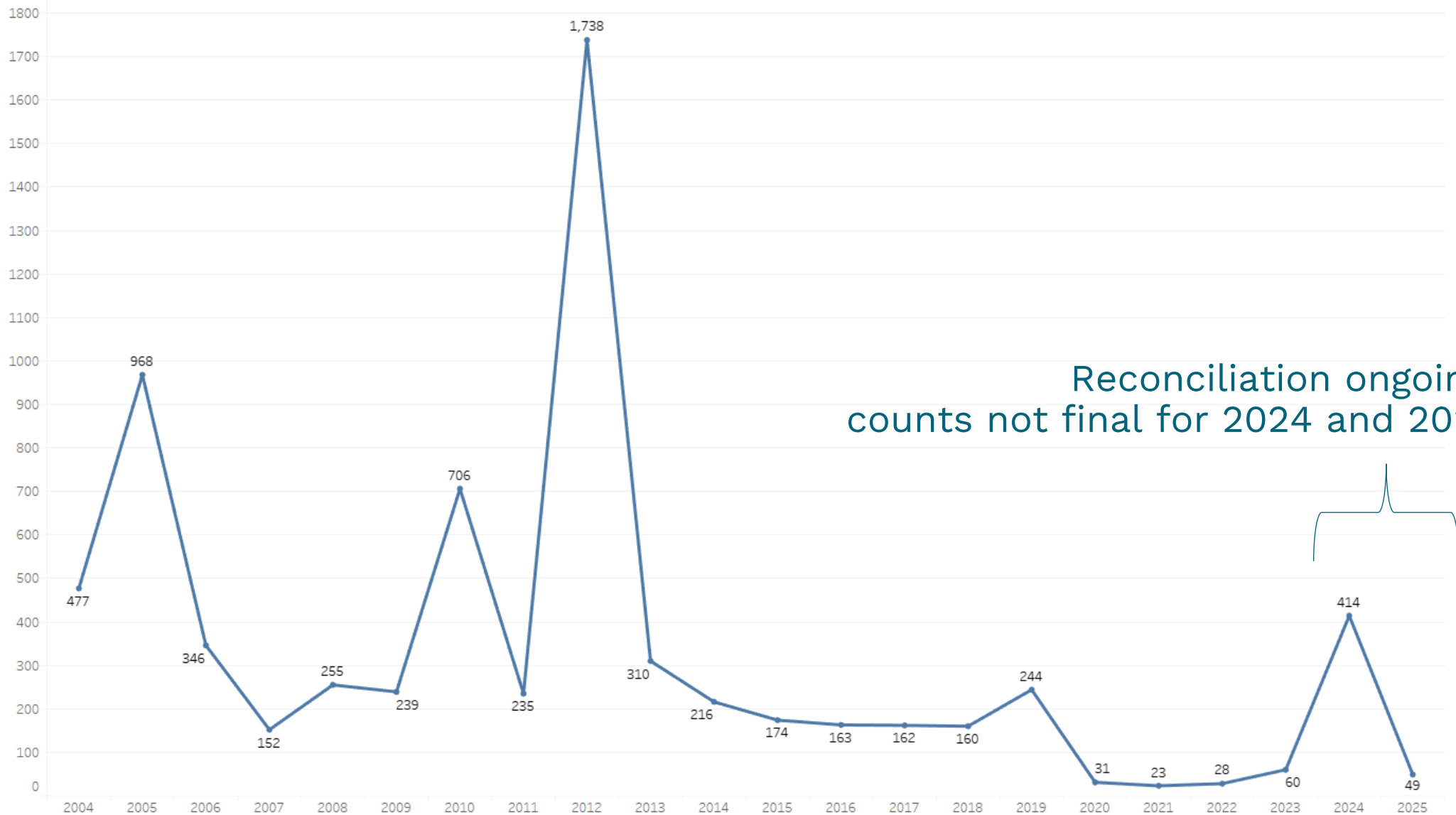
cdc.gov/pertussis



National Pertussis Trends



Pertussis in Iowa



Iowa Response

- ▶ LPH investigates cases and identify close contacts
- ▶ Cases are interviewed to determine symptoms, treatment, exposures, vaccination status, as well as given recommendations for isolation
 - Asymptomatic high-risk contacts are recommended post exposure prophylaxis
 - Symptomatic contacts are investigated and provided recommendations on isolation and treatment

Immunization Rates

