



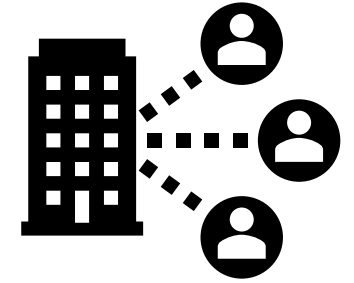
ARAPAHOE COUNTY

Measles Outbreak Response

March – June 2025

Melissa Orozco, Communicable Disease Epidemiology Manager

Dr. Christopher Urbina, Chief Medical Officer



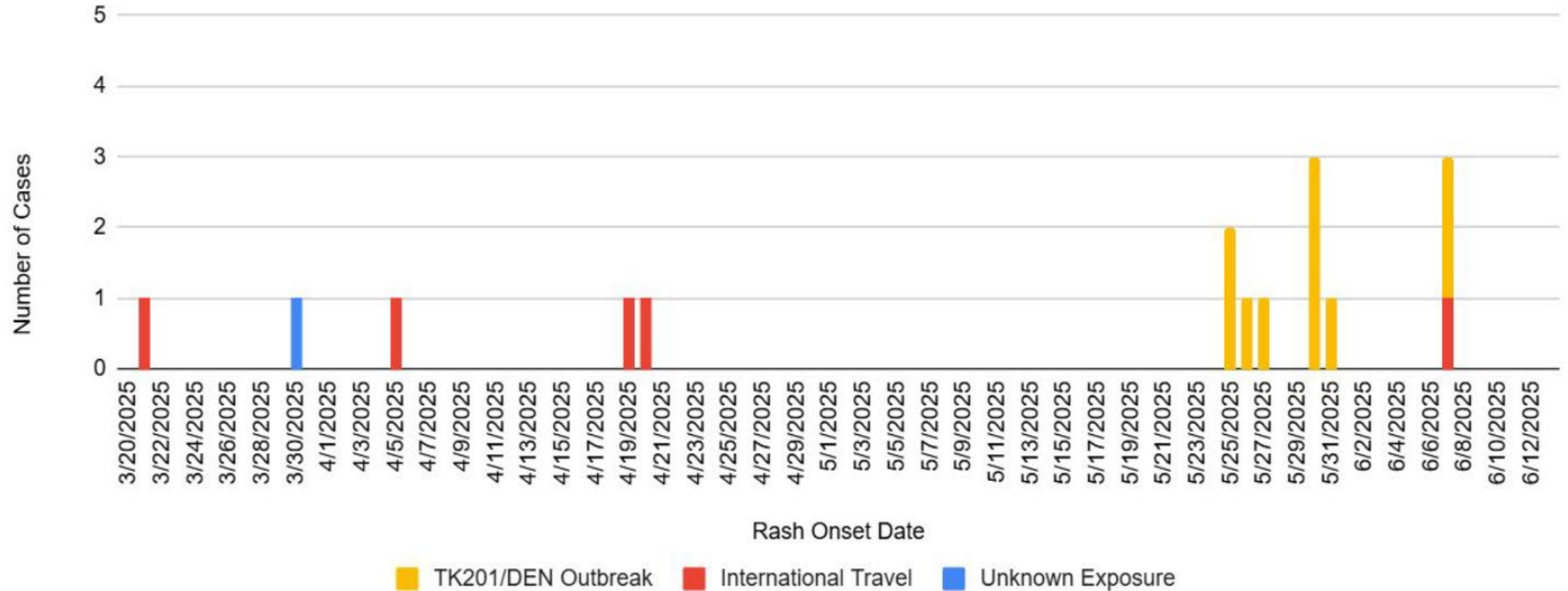
Preparedness

- March - May 2025: Emergency Preparedness and Response (EPR) facilitated weekly meetings, workshops, and training development focused on cross-divisional staff preparedness in response to increasing cases in the U.S., Canada, and Mexico
- Objectives:
 - Developing internal process for maintaining situational awareness
 - Re-visiting lessons learned from previous incidents to ensure efficient planning and improved response operations
 - Identifying internal and external preparedness activities in advance of a single case or outbreak (defined as 3 cases) of measles
 - Ensuring equity considerations are identified and included as part of preparedness activities



Colorado Measles Epidemiologic (Epi) Curve

2025 Colorado Reported Measles Epi Curve (N=16)





Colorado – *By the Numbers*



16 total cases*

10 travel associated

4 – Turkish airline flight passengers

5 – exposed at Denver International Airport



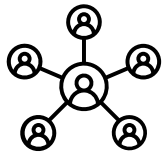
4 hospitalizations

Vaccination status

5 – fully vaccinated

4 – unvaccinated

1 – unknown vaccination



1,330 close contacts identified*



Arapahoe County – *By the Numbers*



5 total cases

All 5 associated with Turkish airline outbreak

3 – Turkish airline flight passengers

2 – exposed at Denver International Airport



2 hospitalizations



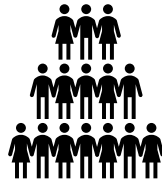
Vaccination status

3 – fully vaccinated

2 – unvaccinated



Arapahoe County – *By the Numbers*



378 close contacts identified*

13 – received MMR PEP

4 – received IG PEP

2 – received IVIG PEP

13 – issued quarantine letters

5 – IZ home visits for testing

1 – IZ home visit to administer IG PEP



7 – weeks activated

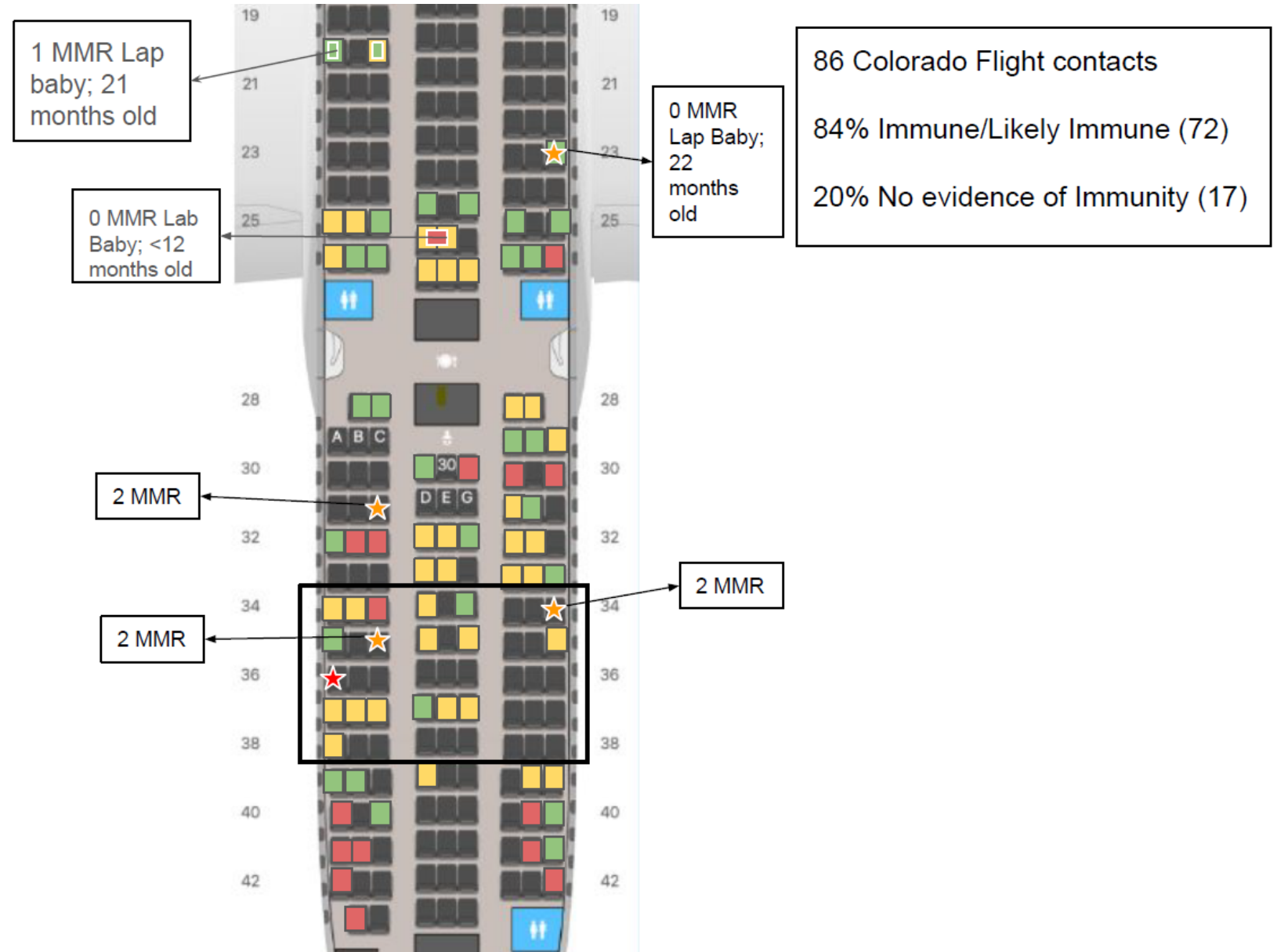
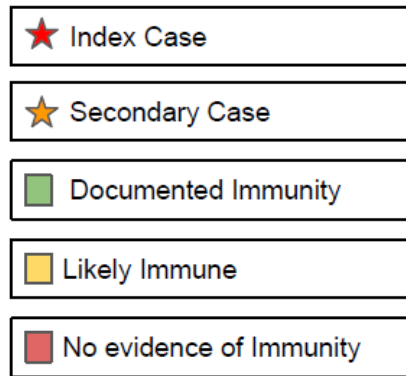


1,157 – staff hours worked

**Represents close contacts from higher risk settings. Due to limited capacity statewide, contacts from lower risk community settings received a general notification about the exposure.*



Turkish Airline Flight Mapping





Chief Medical Officer Takeaways

- Measles is a highly contagious disease
 - The magnitude of the potential exposures is enormous
 - Collaboration across county, state and health care providers essential
 - Discussion about susceptibility to measles in previously vaccinated persons
-



ARAPAHOE COUNTY

Impacted
Individuals
& Families

Arapahoe County

Board of Health

Chief Medical
Officer

Commisioners

Communicable
Disease
Epidemiology

Communications

Emergency
Preparedness
and Response

Environmental
Health

Immunizations

Leadership

Nurse Wellness
Coordinator

Security and
Safety

State

CDPHE

Communications

Laboratory

Counties

Adams

Alamosa

Arapahoe

Boulder

Broomfield

Clear Creek

Delta

Denver

Douglas

Eagle

Counties

El Paso

Garfield

Grand

Jefferson

La Plata

Larimer

Mesa

Park

Pueblo

Routt

Teller

Weld

Federal

CDC

Laboratory

Local

Businesses

Denver
International
Airport

Hospitals

Medical
Providers

Other State &
Local Health
Departments

Partnerships





Recent Developments

- Adams County cases
 - Mesa County cases
 - Denver International Airport flight exposure
 - ACPH Activation
-



Questions?
