

Measles in Midland

Communicable Disease Conference
5-15-14

Objectives

- ▶ Provide chronological overview of measles in unvaccinated family (September 2013).
- ▶ Detail challenges in investigative process for LHD staff.
- ▶ Provide an overview of discipline -specific functions during the event.

Just a normal Monday in Midland...



Lab Report Received in CD Office

- ▶ 18 month old child
- ▶ Unvaccinated
- ▶ Newly adopted and arrived (Eastern Europe)!
- ▶ Concerns with airline travel
- ▶ Notified Epi-team, administrative staff and Regional Epidemiologist
- ▶ History of Measles in Midland?????
 - 3 cases since 1992

Investigation

- ▶ Phone call to Mother resulted in and angry "Hang-up"!
- ▶ Phoned primary care provider
 - Other children in household "vulnerable"
- ▶ Phone call to father
 - More cooperative, Yielded flight info, etc.
- ▶ Mother called back in citing concerns

Exposure Concerns

- ▶ Concerns for vulnerable children in household
- ▶ MMC exposures to staff and other patients during visits (radiology, outpatient labs, pediatric unit, etc.)
- ▶ All contacts contacted and advised
- ▶ Children reported as "home-schooled"
- ▶ Other Community exposures????
- ▶ More to come.....

Public Health Response

- ▶ Provide education and information regarding disease basics
- ▶ CD provide direction for isolation, etc.
- ▶ Family unwilling to vaccinate others
- ▶ Family agrees to keep children isolated per LHD recommendations

Medical Director

- ▶ Health Alert to all area medical providers
 - Overview of current case
 - Present an opportunity to encourage full vaccination
 - Summary of signs and symptoms
- ▶ Consulted ID specialist
- ▶ Letter to parents
- ▶ Signed warning letter to parents

Family History

- ▶ Mother recently opposed to vaccination
- ▶ Mother was resistant to plan of care during the ED visit
- ▶ Mother assures that no others have been exposed and that LHD recommendations will be followed
- ▶ Reluctantly reports other children are "OK"

Further developments

- ▶ Mother presents one of the vulnerable children to a hospital in a neighboring jurisdiction.
- ▶ Hospital familiar with issue...mother and child placed in negative pressure room.
- ▶ Social Media from Mother indicated an upcoming "measles party" being planned!

Incident Summary

- ▶ Both vulnerable children got measles... 2 fully vaccinated children did not.
- ▶ Communication works!
 - Provider calls re: community exposures
 - LHD to provider (Reg. 3, North Central IC, etc.)

Health Officer

- ▶ Sent letter to parents detailing isolation laws and requirements
- ▶ Advised parents regarding the quarantine requirements for family
- ▶ Hand delivered letter (w/ law enforcement) to home.

Panel Questions?

- ▶ Mike Krecek, Health Officer
- ▶ Dr. Tammy Movsas, Medical Director
- ▶ Mary MacInnes, Clinical Services Director
- ▶ Rebecca Carlson, CD Nurse
