

Public Health Infection Control Assessment for Measles Exposure in Healthcare Setting



Begin a contact investigation immediately if an individual who is suspected to be infectious with measles enters a healthcare facility. The contact investigation should include both healthcare personnel and patients/visitors who were in a shared air space with the infectious patient. The contact investigation should be promptly initiated as post-exposure prophylaxis (PEP) is recommended within 72 hours of their initial contact with an infectious case.

When?

- ☒ What time did the individual present to the facility?
- ☒ When were they placed in an AIIR or exam room with door closed?
- ☒ When did they leave? (*This will help build the timeline for exposure.*)

Where?

- ☒ What locations was the individual at in the facility (*list all and estimated time*)?
- ☒ Assess shared air spaces as well as the path the patient traveled while in the facility.
 - *Shared Air Space: Smaller spaces, such as the patient compartment of an ambulance, single patient room, or a clinic waiting area, are shared air spaces. Different areas in larger spaces or rooms that share a common air handling system, such as a large emergency department with patient waiting, triage, HCP work areas, or multiple individual patient rooms that share a common unfiltered air source, are also shared airspaces.*
- ☒ What additional areas should be included in the contact investigation based on where the patient was and the shared air spaces in the facility?

How?

- ☒ Was a mask (source control) placed on the patient?
- ☒ What PPE were HCP wearing, including all HCP in the shared air space?
 - *If wearing fit-tested N95, HCP would not be considered exposed, per CDC guidance.*
 - *If an individual has an unprotected exposure, vaccination status may be collected as part of response activities, per the facility's policy. Work exclusion may be recommended for non-immune, exposed healthcare personnel.*
- ☒ How did the patient arrive at the healthcare facility? (*i.e., ambulance, rideshare, bus*)
- ☒ How is specimen collection occurring?
 - ☒ What PPE is staff wearing?
 - ☒ What precautions are being taken?
 - ☒ What is the air exchange in that area?

Who?

- ☒ Who was in the waiting room/areas of concern (*i.e., shared air spaces, exam room following individual*) at the same time as the individual or 2 hours after?
- ☒ Create a line list of names and contact information for exposed individuals.
 - *Be sure to include healthcare personnel and visitors/patients.*
 - *Including vaccination status is also helpful; this is useful when recommending PEP.*