Pertussis: CDESS Outbreak Categorization, 2022

Guidance for Local Health Department (LHD) reporting of Pertussis cases (Sporadic and Outbreak) on CDESS. This is not a diagnostic tool. Please use in conjunction with case definitions and other Bureau of Immunization Guidance.

Health care provider reports a probable case of pertussis to LHD OR
Positive PCR/Culture result reported to ECLRS
(Serologic testing is not standardized and should not be relied on as criterion for lab confirmation)

- Patient meets clinical case criteria†
- PCR/Culture Negative or Not Performed
  - Case Status: Probable
  - Enter in CDESS
  - Epi-Linked: No
    - Transmission Setting: Unknown
    - Further Spread: Unknown or No*
    - Outbreak status: Sporadic case

- Illness with cough of any duration, with:
  - Paroxysms of coughing or
  - Inspiratory whoop; or
  - Post-tussive vomiting; or
  - Apnea (with or without cyanosis)
  - Epidemic linkage

- Acute cough illness of any duration
  - Confirmation (PCR/Culture +)
  - Case Status: Confirmed
  - Epi-linked:
    - Index case (primary case): Unknown or No
    - Subsequent cases: Yes‡
    - Transmission Setting:
      - Index case: Unknown
      - Subsequent cases: Home
    - Further Spread (Outside Household):
      - Index case: Unknown or No*
      - Subsequent cases: Unknown or No*
    - Outbreak status: Cluster
      (Cases exclusive to a "household")

- Patient does not meet clinical case criteria†
- Negative PCR/Culture (-)
  - Case Status: Revoke or Dismiss Investigation
    (reason code: Does not meet case definition)
  - Epi-linked:
    - Index case (primary case): Unknown or No
    - Subsequent cases: Yes‡
    - Transmission Setting:
      - Index case: Unknown
      - Subsequent cases: Community setting
    - Further Spread (Outside Household):
      - Index case: Community setting
      - Subsequent cases: Community setting or Unknown or No*
    - Outbreak status: Outbreak
      (Two or more cases occurring within 42 days of each other in a common setting)
  - Enter Outbreaks in OMS

† Cough duration of ≥14 days with at least one additional clinical symptom of pertussis. If patient is reported <14 days after cough onset, a follow-up interview is performed ≥14 days after cough onset
‡ If case patient was epidemiologically linked to another laboratory-confirmed case of pertussis (identified by culture/PCR)
* If no further spread identified