

Measles

Rash, Fever

Cough, Coryza, Conjunctivitis

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Measles Signs & Symptoms

- Fever
- "3 Cs":
 - Cough
 - Coryza (common cold: inflammation of the mucous membranes of the nose, throat, eyes)
 - Conjunctivitis (red, watery eyes).
- Maculopapular rash

Progression of Signs & Symptoms

Symptoms without rash (prodrome) = 2–4 days (range 1–7)

- Fever $> 101^{\circ}\text{F}$, peaking at $103\text{--}105^{\circ}\text{F}$
- Followed by cough, coryza (runny nose), or conjunctivitis.
- Koplik spots, 1–2 days before and after rash
 - Punctate blue-white spots on bright red background of buccal mucosa



Measles Rash

- Maculopapular, lasts 5–6 days
- Begins at hairline, then to face and upper neck
- Over 3 days proceeds downward and outward reaching hands and feet
- Fades in same order, from head to extremities.



Measles Rash

- Lesions generally discrete, but confluent on upper body
- Initially, lesions blanch with pressure but by 3–4 days, most do not blanch



If Testing for Measles, **Immediately** Call Health Department

- To report category I communicable diseases: measles, TB ...
- Clinicians are required to immediately call local health department within 24 hours
 - with jurisdiction for the residence of the patient
- City of Milwaukee Health Department:
 - Office hours 414-286-6800
- www.dhs.wisconsin.gov/disease/diseasereporting.htm

Measles- What Tests to Order

For suspect measles,

- Immediately call health department
- Collect nasopharyngeal and throat swabs for PCR test
- Collect blood for IgM (and IgG) titers
- Specimens to public health lab (WSLH or MHDL)
 - ▬ IgM is NOT available at out-of-state reference lab
 - ▬ Need rapid turnaround & reporting of results to health dept.