

Viral Vaccine Preventable Disease Job Aid

Measles (Rubeola)	Clinical Presentation	Laboratory Testing	Isolation Recommendations
	<ul style="list-style-type: none"> Cough, coryza, conjunctivitis Fever Maculopapular rash appearing around the 4th day of illness along with an increase in fever Rash appears on the face near the hairline and spreads downward and outward to the rest of the body. Lasts around 4-5 days before receding in the same manner it appeared. Koplik spots in mouth 	<ul style="list-style-type: none"> Preferred: PCR from nasopharyngeal (NP) swab* ≤4 days of rash onset Viral culture IgM > 1.21 AU, ≥1.20 titer, or use reference values Significant rise in measles IgG by any standard serologic assay 	<p>Healthcare: Airborne precautions for 4 days after rash onset. Do not use patient exam room for 2.5 hours after an infectious patient was present.</p> <p>Outpatient: Self-isolate/exclude infected person for 4 days after rash onset.</p>
	Incubation Period	Infectious Period	Reporting Requirements**
	7-21 days after exposure (average 10-12 days to prodrome and 14 days to rash onset)	4 days before through 4 days after rash onset	Report immediately upon suspicion.
Mumps	Clinical Presentation	Laboratory Testing	Isolation Recommendations
	<ul style="list-style-type: none"> Puffy cheeks and tender, swollen jaw; swollen salivary glands (parotitis) Fever, headache, muscle aches, tiredness, loss of appetite Cold-like symptoms 	<ul style="list-style-type: none"> Preferred: PCR from buccal swab* ≤ 5 days of parotid swelling Serology (IgM, IgG) <u>after</u> 5 days of parotid swelling 	<p>Healthcare: Droplet precautions for 5 days after swelling onset.</p> <p>Outpatient: Self-isolate/exclude infected person for 5 days after swelling onset.</p>
	Incubation Period	Infectious Period	Reporting Requirements**
	12-25 days (average 16-18 days)	2 days before through 5 days after parotitis onset	Report within 24 hours.
Rubella	Clinical Presentation	Laboratory Testing	Isolation Recommendations
	<ul style="list-style-type: none"> Low-grade fever, headache Red rash appears on face and then spreads to rest of the body lasting about 3 days Mild conjunctivitis, cough, runny nose 	<ul style="list-style-type: none"> Preferred: PCR from NP swab* Viral culture Serology (IgM, IgG) 5 days <u>after</u> onset of rash and fever 	<p>Healthcare: Droplet precautions for 7 days after rash onset.</p> <p>Outpatient: Self-isolate/exclude infected person for 7 days after rash onset.</p>
	Incubation Period	Infectious Period	Reporting Requirements**
	12-23 days (average 16-18 days)	7 days before through 7 days after rash onset	Report immediately upon suspicion.

*Testing for public health purposes may be performed at the Indiana State Department of Health (ISDH) Laboratories **with prior authorization**.

**Reports should be made to the local health department of the patient's county of residence or ISDH. Immediately notifiable conditions should be reported by phone to ensure prompt public health response. To report cases or request specimen testing authorization, please contact the ISDH Epidemiology Resource Center at 317-233-7125 during business hours or 317-233-1325 after hours, weekends or holidays.

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Varicella (Chickenpox)	Clinical Presentation	Laboratory Testing	Isolation Recommendations
	<ul style="list-style-type: none"> Generalized, pruritic, maculopapulovesicular rash appearing in successive crops with lesions in various stages of development Previously vaccinated individuals may have fewer lesions (<50) with atypical appearance (often primarily maculopapular). 	<ul style="list-style-type: none"> Preferred: PCR from lesion swab, lesion fluid or crusts* Viral culture Direct fluorescent antibody (DFA) Significant rise in varicella IgG by any standard serologic assay 	<p>Healthcare: Airborne and contact precautions until all lesions have crusted or, in the absence of vesicular lesions, until no new lesions appear in a 24-hour period.</p> <p>Outpatient: Self-isolate/exclude infected person until lesions have crusted or, in the absence of vesicular lesions, until no new lesions appear in a 24-hour period.</p>
	Incubation Period	Infectious Period	Reporting Requirements**
10-21 days (average 14-16 days)	2 days before rash onset until all lesions have crusted or, in the absence of vesicular lesions, until no new lesions have appeared in a 24-hour period	Report within 72 hours.	
Herpes Zoster (Shingles)	Clinical Presentation	Laboratory Testing	Isolation Recommendations
	<ul style="list-style-type: none"> Localized zoster: vesicular rash confined to one or two adjacent dermatomes Disseminated zoster: vesicular rash with lesions in three or more dermatomes Pain, itching or tingling at affected site 	PCR from lesion fluid, lesion swab, crusts or biopsy	<p>Healthcare:</p> <ul style="list-style-type: none"> Localized zoster in immunocompetent patient: Standard precautions if lesions are completely covered. Localized zoster in immunocompromised patient: Airborne and contact precautions until disseminated zoster ruled out. Disseminated zoster: Airborne and contact precautions. <p>Outpatient:</p> <ul style="list-style-type: none"> Avoid contact with people who are susceptible to varicella until lesions are dry and crusted. Localized zoster: Isolation usually not needed if lesions are completely covered. Disseminated zoster: Self-isolate until lesions are dry and crusted.
	Incubation Period	Infectious Period	Reporting Requirements**
Not applicable	From the time of lesion appearance until all lesions are dry and crusted	Single cases not reportable.	

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