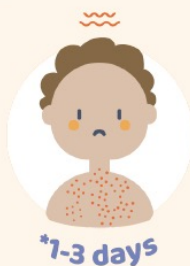




* Typical duration of rash



ROSEOLA (HHV6)

Prodrome: Abrupt, high fever, cough, coryza, pharyngitis, irritability, malaise.

Rash: Maculopapular, nonpruritic. Begins on trunk, spreads to neck and proximal extremities.

Rash onset AFTER fever subsides.
Generally < 2 years.



MEASLES

Transmission: Airborne and droplet – highly contagious.

Prodrome: Fever, malaise. The 3 C's: Cough, coryza, conjunctivitis. **Koplik spots** (white/blue/grey lesions on erythematous base) on buccal mucosa.

Rash: Maculopapular, nonpruritic. Begins on face and spreads to trunk and extremities. Spreads from head down. Incubation period: 6-21 days. Contagious period: From 5 days before appearance of rash to 4 days afterward.

Rash AND high-grade fever.

Complications: Otitis media, pneumonia, croup, diarrhea, encephalitis, death.



RUBELLA

Prodrome: Low-grade fever, pharyngitis, coryza, malaise, lymphadenopathy.

Rash: Maculopapular, +/- pruritic. Begins on face and spreads to neck, trunk, extremities. **Forchheimer spots** (pinpoint petechiae on soft palate). Incubation period: 14-28 days. Contagious period: From 1-2 weeks before appearance of rash 1-2 weeks afterwards.

Rash AND low-grade fever.

Complications: Thrombocytopenic purpura, otitis media, encephalitis. In pregnancy: congenital rubella syndrome.



CHICKENPOX (Varicella Zoster Virus)

Transmission: Airborne and droplet – highly contagious

Prodrome: Fever, malaise, anorexia, headache.

Rash: Start as macules and progress to vesicles that crust over. +++pruritic. Begin on face, back, and stomach and progress to generalized. Lesions in different stages of healing. Incubation period: 10-21 days. Contagious period: 25-48 hours before rash erupts, lasting until lesions are crusted over.

Complications: Secondary bacterial infection, pneumonia, encephalitis, meningitis, myelitis, hepatitis, disseminated infection.



HAND-FOOT-and-MOUTH DISEASE (Coxsackie Virus)

Prodrome: Fever, sore throat, malaise.

Rash: Flat pink macules on palms and soles, progressing to elongated grey blisters. Painful vesicles and ulcers on buccal mucosa and pharynx. Incubation period: 3-5 days. Contagious period: most contagious during first week of illness.

Eczema coxsackium: widespread form in children with eczema.

Generally < 5 years.



ERYTHEMA INFECTIOSUM (Parovirus B19)

Prodrome: Fever, malaise, +/- myalgia, +/- headache.

Rash: "Slapped cheeks" - Firm, red, hot, cheeks (lasts 2-4 days). Followed by lacy reticulated eruption over the limbs and sometimes trunk (lasts 5-10 days). Incubation period: 5-15 days. Contagious period: Begins 5-10 days following exposure and lasts about 5 days. **No longer contagious once rash is present.**

Complications: Arthritis, aplastic crisis in sickle cell disease, autoimmune hemolytic anemia, chronic infection in immunocompromised. In pregnancy: Fetal hydrops, intrauterine growth restriction, death.



HERPES SIMPLEX VIRUS 1

Primary infection: Gingivostomatitis - often with perioral vesicular lesions. May have fever, restlessness, excessive drooling, lymphadenopathy. Can be contagious even in the absence of symptoms.

Recurrent: Painful oral-labial vesicles on an erythematous base that crust over. Oral lesions in neonate - consider disseminated infection.

Complications: herpetic keratitis, pharyngitis, eczema herpeticum, erythema multiforme, disseminated infection, encephalitis.

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