



Appendix 3

COMMUNICABLE DISEASE REFERENCE CHART

**Young Children's Program
James Madison University**

COMMUNICABLE DISEASE REFERENCE CHART FOR SCHOOL PERSONNEL

| DISEASE | INCUBATION PERIOD* | TRANSMISSION | COMMON SYMPTOMS | RECOMMENDATIONS |
|---|--|---|--|--|
| Chickenpox** (Varicella) | From 2-3 weeks, usually 14-16 days. | By direct contact with vesicular fluid or by airborne spread from respiratory tract secretions. | Sudden onset with slight fever and itchy eruptions which become vesicular (small blisters) within a few hours. Lesions commonly occur in successive crops, with several stages of maturity present at the same time. Communicable for as long as 5 days (usually 1-2 days) before eruption of vesicles and until all lesions are crusted (usually 5 days). Communicability may be prolonged in immunocompromised people. | CASE: Exclude from school for at least 5 days after eruptions first appear or until vesicles become dry. Avoid exposure to women in early pregnancy who have not had chickenpox and/or varicella vaccine. CONTACTS: On appearance of symptoms, exclude from school. |
| Conjunctivitis, Acute Bacterial (Pink Eye) | Usually 24-72 hours. | By contact with discharges from the conjunctivae or contaminated articles. | Pink or red eyeball with swelling of the eyelids and eye discharge. Eyelids may be matted shut after sleep. May involve one or both eyes. | CASE: Exclude from school while symptomatic or until 24 hours of antibiotic treatment has been completed. CONTACTS: School exclusion not indicated. |
| Diarrheal Diseases** (Campylobacteriosis, <i>E. coli</i> O157:H7, Giardiasis, Salmonellosis, Shigellosis, etc.) | Campylobacteriosis: From 1-10 days, usually 2-5 days. <i>E. coli</i> O157:H7: From 2-10 days, usually 3-4 days. Giardiasis: From 3-25 days, usually 7-10 days. Salmonellosis: From 6-72 hours, usually 12-36 hours. Shigellosis: From 12-96 hours, usually 1-3 days. | By the fecal-oral route through direct contact or ingestion of contaminated food or water. | Ranges from sudden onset of fever, abdominal pain, diarrhea, nausea, and sometimes vomiting in salmonellosis, to cramps and bloody stools in severe cases of shigellosis and <i>E. coli</i> O157:H7. Dangerous dehydration may occur in younger children. In giardiasis, persons may be asymptomatic or have decreased appetite and weight loss. | CASE: Exclude from school until cessation of acute diarrhea. Stress importance of proper handwashing. CONTACTS: School exclusion and stool cultures not indicated in absence of symptoms. Consult with your local health department for advice during suspected school outbreaks. |
| Fifth Disease (Erythema Infectiosum) | From 4-20 days. | Primarily through contact with respiratory secretions. | Rash characterized by a vivid reddening of the skin, especially of the face, which fades and recurs; classically, described as a "slapped face appearance." Mild symptoms of fever, body aches, and headache may occur 7-10 days before rash. | CASE: Exclusion from school not indicated. CONTACTS: School exclusion not indicated. Pregnant women and immunocompromised persons should seek medical advice. |
| Hepatitis A** | From 15-50 days, usually 28-30 days. | By the fecal-oral route through direct contact or ingestion of contaminated food or water. | Fever, loss of appetite, nausea, abdominal discomfort and weakness followed by jaundice. Many unrecognized mild cases without jaundice occur, especially in children. Communicability greatest from 7 days before to several days after onset of jaundice. | CASE: Exclude from school until physician advises return. Convalescence may be prolonged. CONTACTS: School exclusion not indicated. Stress importance of proper handwashing. |
| Hepatitis B** | From 45-180 days, usually 60-90 days. | By direct contact with infected blood or body fluids. Transmission occurs when the hepatitis B virus enters the body through broken skin or mucous membranes. | Only a small proportion of acute infections have clinical symptoms. Symptoms are similar to those of hepatitis A. | CASE: Follow advice of child's physician and/ or your local health department. CONTACTS: School exclusion not indicated. |

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| HIV Infection** and AIDS** | Variable | By direct contact with infected blood or body fluids. Transmission occurs when the human immunodeficiency virus enters the body through broken skin or mucous membranes. | A broad range of disease manifestations affecting multiple organ systems. Many children remain asymptomatic. | CASE: Follow advice of child's physician and/ or your local health department. CONTACTS: School exclusion not indicated. |
| Measles** (Rubeola, Red Measles) | From 7-18 days, usually 14 days. | Airborne by droplet spread or direct contact with nasal or throat secretions of an infected person. | Prodrome characterized by fever followed by reddened eyes, runny nose, and cough. Dusky-red blotchy rash appears on day 3 or 4 and lasts 4 to 7 days. Highly communicable from one day before the beginning of symptoms to 4 days after the appearance of the rash. | CASE: Exclude from school until at least 4 days after appearance of the rash. Check immunization records of all students. Discuss with your local health department. CONTACTS: Exclude from school immediately on signs of prodrome. |
| Meningitis, bacterial (<i>H. influenzae</i> **, meningococcal**, pneumococcal) | <i>H. influenzae</i> : From 2-4 days Meningococcal: From 2-10 days, usually 3-4 days. Pneumococcal: From 1-4 days | By direct contact or droplet spread of nasopharyngeal secretions of an infected person. | Sudden onset of fever, headache, nausea, stiff neck and photophobia. Rash may occur in cases of meningococcal disease. | CASE: Exclude from school during acute illness. Non-communicable after 24-48 hours of appropriate drug therapy. CONTACTS: School exclusion not indicated. Discuss with your local health department to determine if close contacts need prophylactic treatment for <i>H. influenzae</i> and meningococcal forms. |
| Mumps** | From 14-25 days, usually 16-18 days. | By droplet spread or by direct contact with the saliva of an infected person. | Fever with swelling and tenderness of one or both parotid glands located below and in front of the ears. Unrecognized mild cases without swelling may occur. Communicable from 7 days before swelling until 9 days after. | CASE: Exclude from school for 9 days after the onset of parotid gland swelling. CONTACTS: School exclusion not indicated. |
| Pediculosis (Head Lice) | Under optimum conditions, eggs hatch in 7-10 days and reach maturity 1-3 weeks later. | By direct contact with an infested person or their personal belongings such as combs, brushes, and hats. | Severe itching and scratching, often with secondary infection. Eggs of head lice (nits) attach to hairs as small, round, gray lumps. | CASE: Exclude from school until treated. CONTACTS: Direct inspection of head. School exclusion not indicated in absence of infestation. |
| Pertussis** | From 6-20 days, usually 9-10 days. | By direct contact with respiratory secretions of an infected person by the airborne route. | The initial stage begins with upper respiratory symptoms and increasingly irritating cough. The paroxysmal stage usually follows within 1 to 2 weeks, and lasts 1 to 2 months. Paroxysmal stage is characterized by repeated episodes of violent cough broken by a high-pitched inspiratory whoop and vomiting. Older children may not have whoop. Convalescence may require many weeks. | CASE: Exclude from school until a physician advises return (usually 5 days after initiation of appropriate antibiotic therapy). Discuss with your local health department. CONTACTS: Exclude on first indication of symptoms. |

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| Ringworm of the Body (Tinea Corporis) | From 4 to 10 days. | By direct or indirect contact with lesions of an infected person or contaminated environmental surfaces. | Circular well-demarcated lesion that can involve face, trunk, or limbs. Itching is common. | CASE: Exclusion from school not indicated as long as lesions are covered or child is receiving treatment. During treatment, exclude from gymnasiums and swimming pools. CONTACTS: School exclusion not indicated. |
| Rubella** (German Measles) | From 14 to 21 days, usually 14 to 17 days. | By direct contact or droplet spread of nasopharyngeal secretions of an infected person. | Mild symptoms; slight fever, rash of variable character lasting about 3 days; enlarged head and neck lymph glands common. Joint pain may occur, especially in older children and adults. Communicable for 7 days before onset of rash and at least 7 days thereafter. | CASE: Exclude from school for 7 days after onset of rash. Avoid exposure to women in early pregnancy. Check immunization records of all students. Discuss with your local health department. CONTACTS: Those who are pregnant and not immunized should be urged to seek medical advice. |
| Scabies | From 2 to 6 weeks. | By direct skin-to-skin contact. | Begins as itchy raised areas around finger webs, wrists, elbows, armpits, belt-line, and/or genitalia. Extensive scratching often results in secondary infection. | CASE: Exclude from school until 24 hours of antibiotic treatment has been completed. CONTACTS: Direct inspection of body. School exclusion not indicated in absence of infestation. |
| Streptococcal Diseases (Including Impetigo, Scarlet Fever, and "Strep" throat) | Variable, often 1-3 days, may be longer. | By direct contact with infected persons and carriers or by contact with their respiratory droplets. | Impetigo: Multiple skin lesions usually of exposed area (e.g., elbows, legs, and knees), but may involve any area. Lesions vary in size and shape, and begin as blisters, which rapidly mature into brown crusts on a reddened base. Healing from center outward produces circular areas, which may resemble ringworm. Scarlet Fever: Fever, sore throat, exudative tonsillitis or pharyngitis. Sandpaper-like rash appears most often on neck, chest, and skin folds of arms, elbows, groin, and inner aspect of thighs. "Strep" throat: Sudden onset of fever, sore throat, exudative tonsillitis or pharyngitis, and enlarged lymph nodes. Symptoms may be absent in some cases. | CASE: Exclude from school until lesions are healed or until 24 hours of antibiotic treatment has been completed. CONTACTS: Exclusion from school not indicated. Observe carefully for symptoms. CASE: Exclude from school during acute illness. Non-communicable after 24 hours of appropriate drug therapy. CONTACTS: Exclude on first indication of symptoms. Culturing of school contacts and treatment of carriers not usually indicated. CASE: Exclude from school until 24 hours of antibiotic treatment has been completed. CONTACTS: Exclusion from school not indicated. Observe carefully for symptoms. |

NOTE: THESE RECOMMENDATIONS APPLY ONLY TO SCHOOL-AGED CHILDREN - A more complete discussion of these conditions and other communicable diseases may be found in *Control of Communicable Diseases Manual* (2004) published by the American Public Health Association and the *Red Book 2003 Report of the Committee on Infectious Diseases* published by the American Academy of Pediatrics. Additional information and consultation are also available through your local health department.

* Based on the *Control of Communicable Diseases Manual*, 18th Edition (2004)

** Officially reportable in Virginia to the local health department. All outbreaks and unusual occurrences of disease are also reportable. Virginia Department of Health, Office of Epidemiology, P.O. Box 2448, Richmond, Virginia 23218. Please visit our web site at www.vdh.virginia.gov. - Revised March 2006

