## **Check List: Managing Patients Suspected of Having Measles**

The purpose of this checklist is to provide clinicians with step-by-step guidance for evaluating patients suspected to have measles to reduce the spread of measles and facilitating Public Health investigations.

Step 1. Immediately isolate patients with an acute febrile rash Transmissible Diseases precautions. <sup>1, 2</sup>	n, using Airborne
☐ 1a. Airborne precautions should be followed in healthcare settings.	
1b. Regardless of prior immunity status, all healthcare staff entering the room should use respiratory protection consistent with airborne infection control precautions (use of an N95 respirator or a respirator with similar effectiveness in preventing airborne transmission).	
★ <u>Note</u> : The preferred placement for patients who require airborne precautions is infection isolation room (AIIR) or negative air pressure room. To prevent poss the patient should remain completely isolated from other patients, and the example 12 hours after the patient has departed.	sible exposure of measles,
Step 2. Determine if the patient has measles-like symptoms.	
2a. Assess if patient has had any of the following symptoms and obtain onset and resolution dates:	
<ul> <li>Prodrome of fever, cough, coryza (runny nose), conjunctivitis.</li> <li>Fever AND maculopapular rash: determine location of rash onset and progression on body. If patient is unvaccinated, fever and rash on face, hairline, or behind ears are typically present concurrently.</li> <li>* Note: If patient is vaccinated or immunocompromised, symptoms of fever and rash can vary in presentation and timing. See CDC Pink Book Measles</li> </ul>	Common differential diagnoses  ★ Kawasaki, rubella, scarlet fever, enteroviruses and other febrile rash exanthems.
for information on presentations.  Step 3. Assess for measles immunity and ask about exposure if the state of the following to indicate probable at least 2 documented MMR doses that were administered in the U.S. Documented IgG (+) test for measles.	measles immunity:
<ul> <li>3b. Ask about exposure risk-factors. Have they had, in the past 4 weeks:</li> <li>Contact to a known measles case or with an ill international visitor</li> <li>Traveled internationally or through an international airport</li> <li>Visited an outbreak community or venues where a confirmed measles</li> </ul>	s exposure occurred.
Step 4. Immediately call and report suspect measles to Public	Health while the patient is
still at the facility. Public Health will advise which of steps 5-8	are indicated. <sup>2</sup>
<ul> <li>4a. Suspect measles if during the illness the patient has had BOTH:</li> <li>Fever (subjective or documented)</li> <li>Rash, especially if started on face/hairline/neck/behind ears.</li> </ul>	

Lacking immunity: unvaccinated or unknown vaccination, immunocompromised, IgG negative.

Page 1 of 2

See Public Health contact information in box on page 2.

The following factors increase the probability of measles:



Reporting an exposure risk-factor for measles (see 3b)

## **Guidance for Clinicians: Measles**

Step 5. Collect appropriate measles specimen(s). <sup>2</sup>	
<ul> <li>5a.Obtain <u>all</u> the following three specimens for measles laboratory testing:</li> <li>Throat or nasopharyngeal (NP) for PCR: Use sterile synthetic swab and platransport media</li> </ul>	ce into liquid viral/universal
<ul> <li>Urine for PCR: 10 – 50 ml midstream, clean-catch</li> <li>Serum for IgM/IgG: 7 - 10 ml in gold top serum separator tube. Capillary blo can be used for pediatric patients with at least 3-5 non-glass capillary blood co</li> </ul>	
<ul> <li>5b. Follow specimen collection, labeling and storage instructions, and complete the laborabove links.</li> </ul>	
5c. Store specimens at 4°C until pick-up and ship cold (do not place specimens directly freezing during transport)	against ice packs to avoid
★ <u>Note:</u> If unable to ship within 48 hours and if feasible, freeze specimen immediately at -70 centrifuge if feasible, store 4°C).	°C (except for urine –
□ 5d. Upon approval by Public Health (VPDC or AOD), the Public Health Laboratory (PF with specimen handling and courier pick up including holding specimen(s) at your specimens that arrive at PHL without prior VPDC or AOD approval may experience testing. Do not send urine and throat specimens to a non-Public Health lab for testing.	facility when practical. ce significant delays in
5e. If specimens cannot be collected at the clinic, do <u>not</u> refer the patient to another specimens (i.e., commercial lab, other medical clinic). Notify Public Health.	facility to obtain
	Who is considered
Step 6. Identify exposed persons at high risk of measles complications and any high-risk settings. <sup>2</sup>	exposed to measles in a healthcare facility?
6a. Ask patient if s/he works or has had contact with any of the following in the 5 days before rash onset:	★ Anyone present at facility upon case's arrival and hours after case's departure
<ul> <li>Infants &lt;12 months of age</li> <li>Persons known to be unimmunized for measles</li> <li>Pregnant women</li> <li>Healthcare workers (including staff at facility)</li> </ul>	
Step 7. Instruct patient to remain isolated until 4 days after rash onset	•
7a. The case-patient should immediately <u>not</u> be allowed to attend school/work, participa academic activities or attend large public gatherings/venues for 4 days after rash on providers should follow-up with the case-patient to verify any changes in clinical st	set. Medical
7b. Inform the case-patient that Public Health may be in contact to provide measles-relation them and their family/friends.	ted assistance to
Step 8. Fax documentation to Public Health at (213) 351-2782.	
8a. Send visit notes, face sheet, immunization record, and any test results.	
o not wait for laboratory confirmation, report immediately by telephone for bo	<u> -</u>
cases upon suspicion of measles. Consultation is required before sending specim Laboratory:	iens to the Public Health
o Weekdays 7:30 am − 5:00 pm: Call 213-351-7800 - Epidemiologist o	•
o Non-business hours/weekends: Call 213-974-1234 - Administrative	Officer on Duty
References:	
<ol> <li>Title 8 California Code of Regulations: ATD Standards. CDPH.</li> <li>Measles. For Healthcare Professionals. CDC.</li> </ol>	
3. Title 17, California Code of Regulations (CCR) §2500, §2593, §2641.5- 2643.20, and §280	0-2812 Reportable

Page 2 of 2

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