

This is an official
DHEC Health Advisory

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10435-DAD-10-02-2019-MUMP

Mumps Transmission at College of Charleston

Summary

The College of Charleston has ongoing mumps transmission in the setting of an outbreak that was announced on September 23, 2019. DHEC is providing this Health Advisory to provide information about the identified population at risk, the clinical presentation of mumps, and recommendations for vaccination and diagnostic testing.

A total of five individuals, all associated with the College of Charleston, have been diagnosed with mumps since September 17, 2019. College administration has maintained updates for the College of Charleston community and implemented mumps vaccination services for students and staff that did not have documentation of current measles, mumps and rubella (MMR) vaccination. The College of Charleston has advised their faculty and staff of symptoms to be aware of and of precautions to take to prevent continued transmission.

Although all five mumps cases are associated with the College of Charleston, healthcare providers in the Charleston area may be consulted about vaccination recommendations or they may see individuals with symptoms suggestive of mumps.

Background

Mumps is a viral illness transmitted by respiratory droplets. Incubation period ranges from 12-25 days. Infected individuals are typically contagious two days prior to parotitis onset until five days after. The most common complication in the post-vaccine era is orchitis. Less common side effects include mastitis, oophoritis, pancreatitis, deafness, meningitis, and encephalitis.

DHEC advises the following:

Area healthcare providers should consider mumps in patients presenting with parotitis – tender swollen glands below the ear and along the jawline on one or both sides of the face and neck. Other associated symptoms can include:

- Influenza- or cold-like illness
- Headache
- Fever
- Muscle aches

- Fatigue
- Loss of appetite,
- Testicular swelling
- Pelvic pain

Patients suspected to have mumps should be evaluated by providers who have received the MMR vaccine and using droplet precautions.

Please encourage patients of the following:

- Practice preventative measures, such as good hand hygiene, cover coughs and sneezes, and avoid direct contact with saliva (e.g., kissing and sharing personal items such as toothbrushes, bottles/cups and tobacco products).
- Individuals suspected to have mumps should self-isolate for five days from symptom onset pending confirmation of the diagnosis.
- Always avoid close contact with people who are sick and stay home if sick to prevent infecting others.

Recommendations

Vaccination

Ensure patients have received two doses of MMR vaccine. One dose is approximately 78% effective, and two doses are about 88% effective. MMR vaccination is recommended for those who have not been vaccinated with MMR; or for those who are unsure of their MMR vaccination status; for those without documentation of previous MMR vaccine. Those who have previously received only one dose should get a second dose. A third dose of MMR is rarely recommended in circumstances where there is widespread and ongoing transmission.

Diagnostic Testing

Other upper respiratory infections may have a clinical presentation similar to mumps. Mumps RT-PCR by buccal swab (offered by commercial labs and DHEC PHL) is optimal for mumps diagnosis. An NP swab for respiratory BioFire panel testing is also recommended to detect other respiratory viruses that are circulating this time of year.

Additional Resources

CDC mumps Information for Healthcare Providers: [cdc.gov/mumps/hcp.html](https://www.cdc.gov/mumps/hcp.html).

DHEC contact information for reportable diseases and reporting requirements

Reporting of **mumps** is consistent with South Carolina Law requiring the reporting of diseases and conditions to your state or local public health department. (State Law # 44-29-10 and Regulation # 61-20) as per the DHEC 2019 List of Reportable Conditions available at: www.scdhec.gov/sites/default/files/Library/CR-009025.pdf.

Federal HIPAA legislation allows disclosure of protected health information, without consent of the individual, to public health authorities to collect and receive such information for the purpose of preventing or controlling disease. (HIPAA 45 CFR §164.512).

Regional Public Health Offices – 2019			
Mail or call reports to the Epidemiology Office in each Public Health Region			
MAIL TO:			
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<u>Lowcountry</u> Berkeley, Charleston, Dorchester Phone: (843) 953-0043 Nights/Weekends: (843) 441-1091 Beaufort, Colleton, Hampton, Jasper Phone: (843) 549-1516 ext. 218 Nights/Weekends: (843) 441-1091 Allendale, Bamberg, Calhoun, Orangeburg Phone: (803) 268-5833 Nights/Weekends: (843) 441-1091	<u>Midlands</u> Kershaw, Lexington, Newberry, Richland Phone: (803) 576-2749 Nights/Weekends: (888) 801-1046 Chester, Fairfield, Lancaster, York Phone: (803) 286-9948 Nights/Weekends: (888) 801-1046 Aiken, Barnwell, Edgefield, Saluda Phone: (803) 642-1618 Nights/Weekends: (888) 801-1046	<u>Pee Dee</u> Chesterfield, Darlington, Dillon, Florence, , Marion, Marlboro Phone: (843) 661-4830 Nights/Weekends: (843) 915-8845 Clarendon, Lee, Sumter Phone: (803) 773-5511 Nights/Weekends: (843) 915-8845 Georgetown, Horry, Williamsburg Phone: (843) 915-8800 Nights/Weekends: (843) 915-8845	<u>Upstate</u> Anderson, Oconee Phone: (864) 260-5581 Nights/Weekends: (866) 298-4442 Abbeville, Greenwood, McCormick Phone: (864) 260-5581 Nights/Weekends: (866) 298-4442 Cherokee, Greenville, Laurens Pickens, Spartanburg, Union Phone: (864) 372-3133 Nights/Weekends: (866) 298-4442
For information on reportable conditions, see https://www.scdhec.gov/health-professionals/report-diseases-adverse-events/south-carolina-list-reportable-conditions		<u>DHEC Bureau of Disease Control</u> Division of Acute Disease Epidemiology 2100 Bull St • Columbia, SC 29201 Phone: (803) 898-0861 • Fax: (803) 898-0897 Nights / Weekends: (888) 847-0902	

Categories of Health Alert messages:

Health Alert	Conveys the highest level of importance; warrants immediate action or attention.
Health Advisory	Provides important information for a specific incident or situation; may not require immediate action.
Health Update	Provides updated information regarding an incident or situation; unlikely to require immediate action.
Info Service	Provides general information that is not necessarily considered to be of an emergent nature.