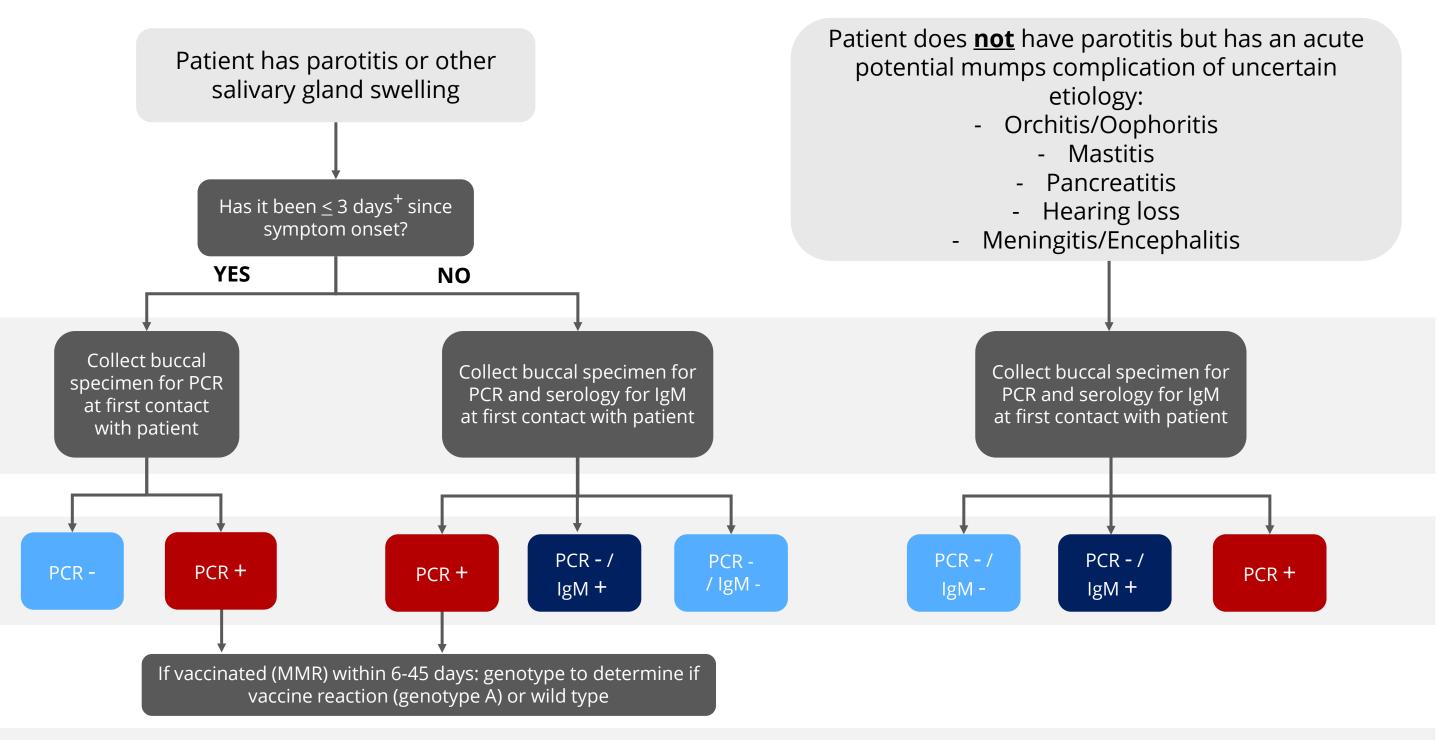
Sporadic (no epidemiologic-link, not outbreak-related) mumps testing flowchart:

For persons presenting with symptoms of mumps without known epidemiologic-linkage, multiplex testing for other infectious etiologies* is recommended <u>concurrent</u> with mumps testing to better interpret the clinical picture alongside laboratory results.



Additional Considerations

- 1. A negative laboratory result in a person with clinically compatible mumps symptoms does not rule out mumps.
- 2. Persons tested for immunologic screening without symptoms would not be considered a case if IgM+ unless there is documentation that mumps was suspected.

*Consider testing for other infectious etiologies such as influenza, parainfluenza, EBV, & adenovirus that can cause parotitis. If mumps testing is negative and there is a more likely alternative diagnosis with a positive laboratory result, individuals can be classified as *not a mumps case*.

+For mumps PCR, specimen should be ideally collected 0-3 days after parotitis onset but can be collected up to 10 days. If >10 days since symptom onset, PCR testing no longer recommended. For mumps IgM, collecting specimens >3 days after parotitis onset improves the ability to detect IgM. Additional information: <u>https://www.cdc.gov/mumps/lab/index.html</u>



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SUSPECT CASE

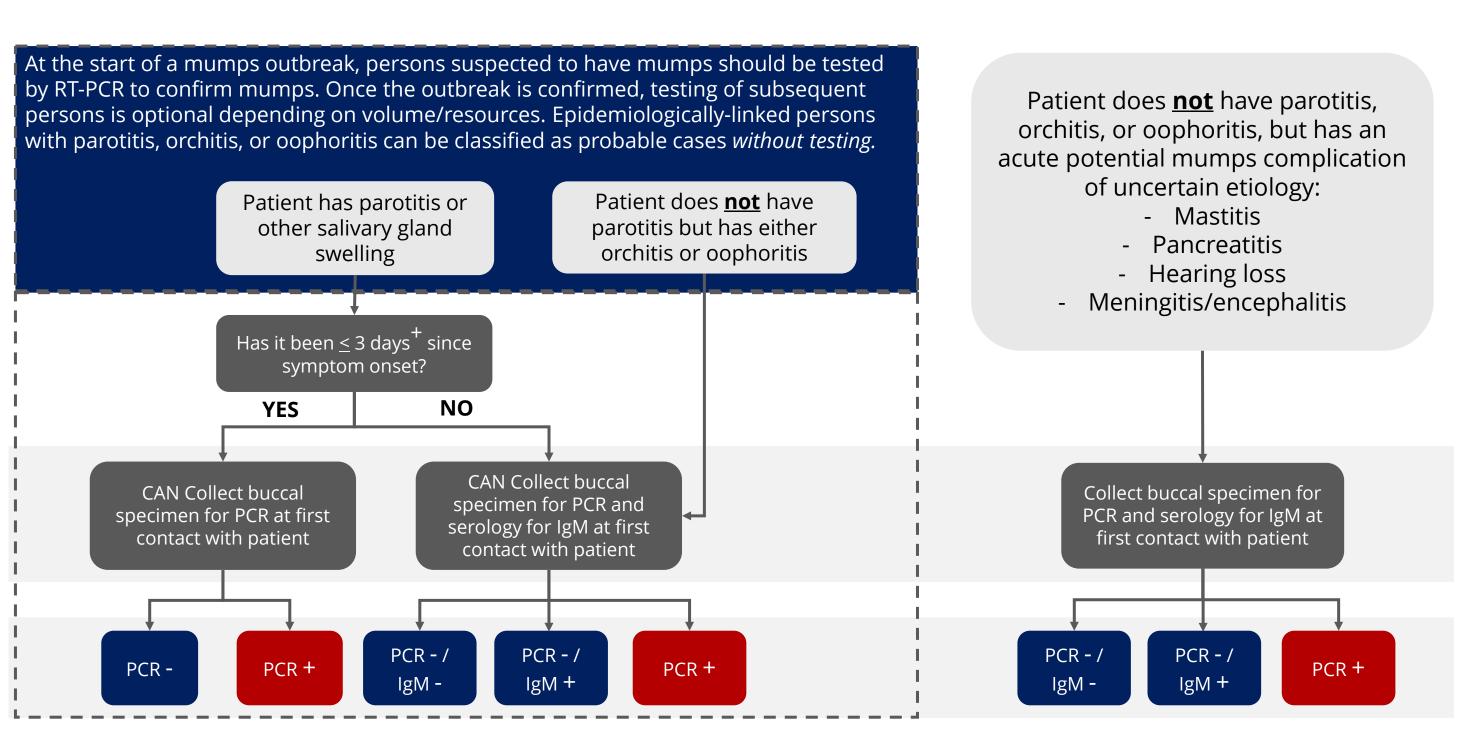
PROBABLE CASE

CONFIRMED

CASE

Epidemiologic-link or outbreak-related mumps testing flowchart:

Persons being tested have exposure to a confirmed case or linkage to a group/community defined by public health officials during an outbreak of mumps



Additional Considerations

- 1. A negative laboratory result in a person with clinically compatible mumps symptoms does not rule out mumps.
- Persons tested for immunologic screening without symptoms would not be considered a case if IgM+ unless there is documentation that mumps was suspected.
- 3. In an outbreak setting, occasionally asymptomatic or persons with atypical presentation may test PCR +, culture +, or show seroconversion, and would be classified as confirmed cases.
- 4. Parotitis after vaccination has been reported in <1% of vaccinees. If epidemiologically-linked/outbreak-associated cases recently received dose of MMR, genotyping can be done to confirm if vaccine strain

+For mumps PCR, specimen should be ideally collected 0-3 days after parotitis onset but can be collected up to 10 days. If >10 days since symptom onset, PCR testing no longer recommended. For mumps IgM, collecting specimens >3 days after parotitis onset improves the ability to detect IgM. Additional information: <u>https://www.cdc.gov/mumps/lab/index.html</u>



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SUSPECT CASE

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CASE