



Update on VP Diseases during COVID-19 in Los Angeles County

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Los Angeles County Department of Public Health,
Vaccine Preventable Disease Control Program



Measles numbers 2019

- Total of 20 cases for 2019
 - All part of few clusters
 - First case reported Apr 5th
 - Last case closed on Oct. 22nd
- From these investigations
 - 18 adults
 - 2 hospitalized
- Vastly either unvaccinated or under vaccinated were affected

Measles numbers 2020

- Total of 5 cases
 - All part of a cluster
 - Index case was an international visitor
 - Index plus 4 secondary cases
- From this investigation
 - 1 healthcare worker had severe complications
 - Encephalitis and meningitis complications



Mumps numbers 2019

- Total of 116 cases
 - 47 were part of an outbreak
 - First outbreak case reported Sept. 30th
 - Outbreak closed on Dec. 24th
- From this investigation
 - 46 were PCR confirmed and 1 probable case
 - Highly social group affected



Mumps numbers 2020

- Total of 1 case
- Around 30 or so reports, all attributed to false positive labs



LAC Pertussis Cases 2019/2020

- Approximately 1600 cases reported by LAC to CDPH in 2019
 - The 2019 data are provisional
- Approximately 550 reports so far for 2020
 - Pre COVID vs COVID reports

PERTUSSIS REPORTS TESTING POSITIVE FOR COVID

- 136 reports investigated
- 61 COVID-19 positive reports also tested serologically positive for Pertussis
 - Pertussis Toxin (PT) positive
 - Filamentous Hemagglutinin (FHA) positive
- Pertussis serology positive reports symptoms
 - Cough
 - Duration of cough (sometimes)
 - What about other symptoms?

PERTUSSIS REPORTS TESTING POSITIVE FOR COVID

- Bacterial co-infections and secondary infections in COVID-19 are not yet fully understood
- What does this mean for investigating VP Diseases in the future?
- Things to consider
 - Sensitivity and specificity of lab tests
 - Despite lockdown orders, transmission could be occurring (pertussis is endemic)
 - Any recommendations to providers?



Questions?

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