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

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Immunization Coalition of Los Angeles County Meeting
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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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