Pertussis Update

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What is Pertussis?

- Contagious disease spread by cough droplets
- Also known as “whooping cough”
- Caused by a bacteria and is treated with antibiotics

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Child with Pertussis

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Symptoms

- Typical symptoms in children and adults:
  - Starts with cold-like symptoms
  - Develop persistent cough (coughing “fits”)
  - Usually no fever or other symptoms
  - May vomit after coughing
  - May make “whooping” noise when taking breath after coughing
  - Cough may last up to 3 months

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Pertussis in Young Infants

- Initially mild cough, no fever, runny nose
- Develops into serious symptoms:
  - Gagging, gasping
  - Periods of no breathing (face may turn red or purple)
  - Vomiting after coughing
  - Seizures
  - Respiratory distress
  - Pneumonia

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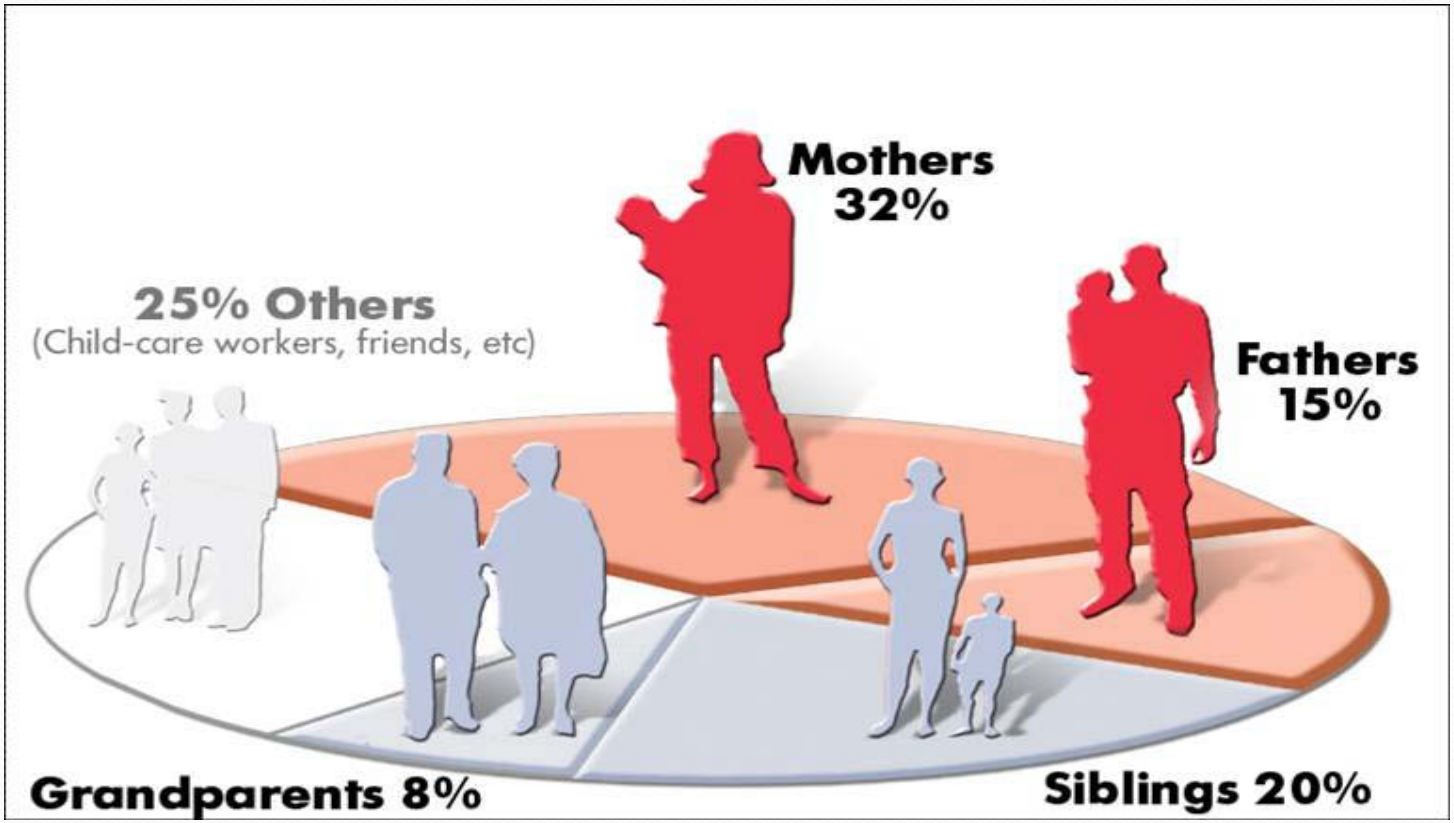
Pertussis Transmission to Infants



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Pertussis Cases - 2010

- California (as of 1/6/11):
  - 8,383 cases
  - 21.4 cases/100,000
  - Most cases since 1947, highest incidence since 1958
  - 10 infant deaths, all ≤ 2 months old
- San Diego (as of 12/31/10):
  - 1,140 cases (34 as of 1/24/2011)
  - 2 infant deaths (0 in 2011)

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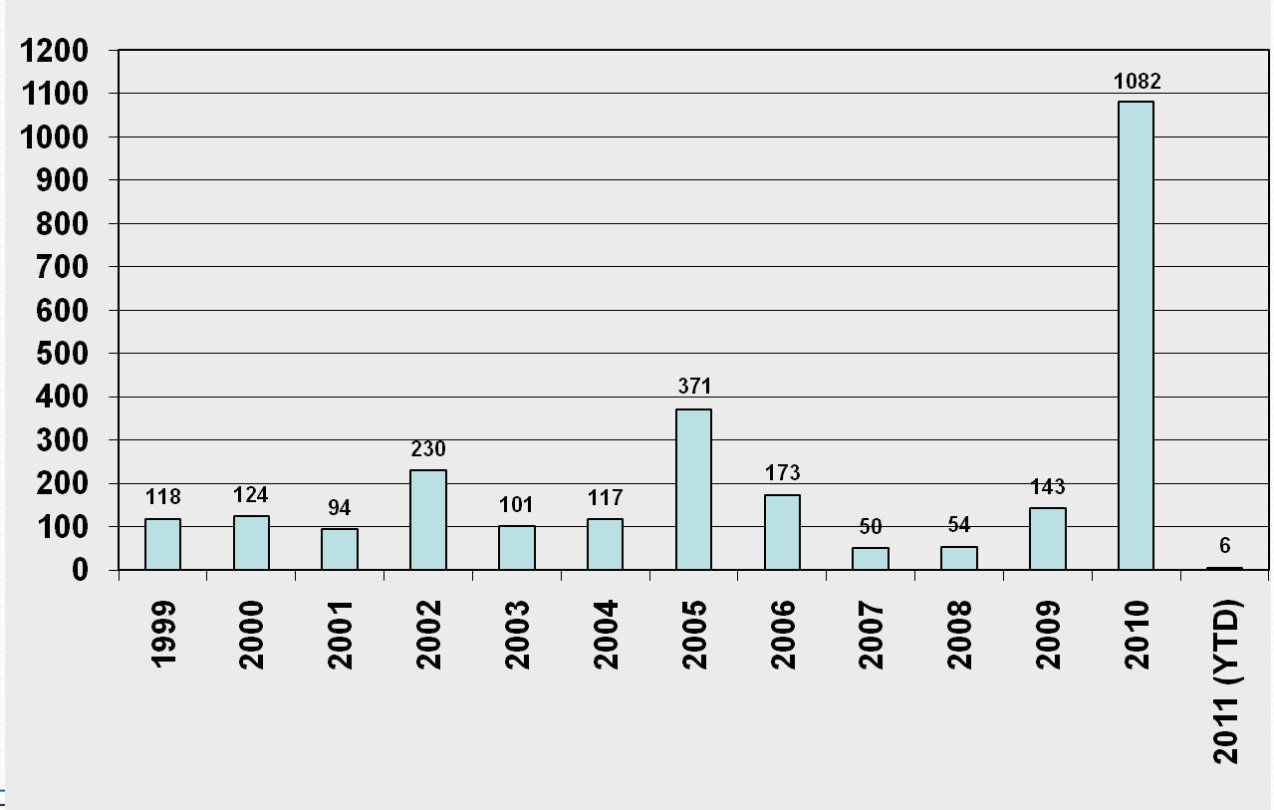
San Diego County Pertussis Annual Total Cases by Year of Report, 1999 – 2011 YTD



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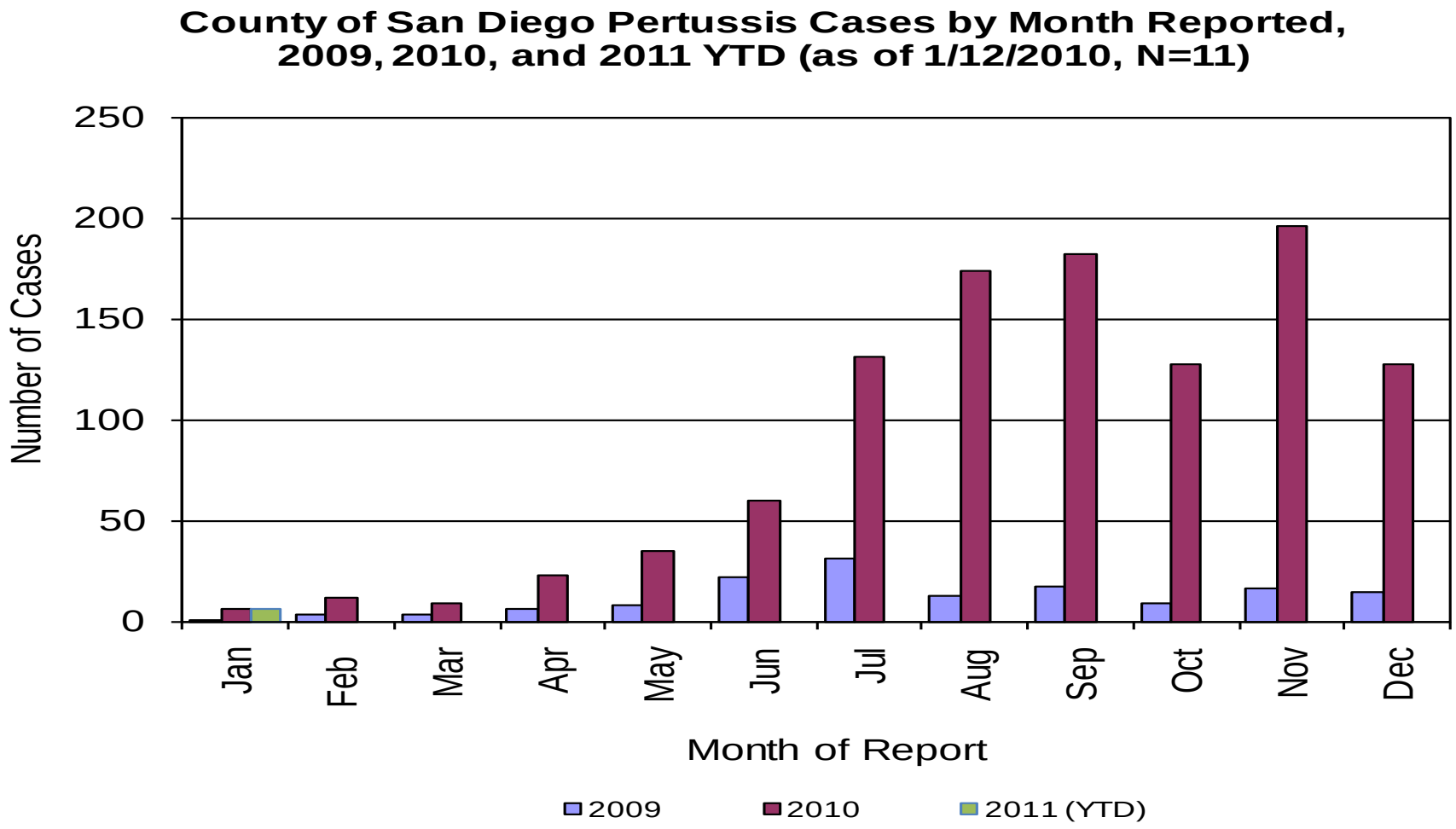
Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunization Services, 1/12/2011



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Assembly Bill 354

- For the 2011-12 school year only, all students entering 7th through 12th grades will need proof of Tdap booster shot before starting school.
- Beginning July 1, 2012 and beyond, all students entering the 7th grade will need proof of Tdap booster shot before starting school.
- www.cdph.ca.gov/HealthInfo/discond/Pages/Pertussis.aspx

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Who should get vaccinated?

Children

DTaP

(Diphtheria, Tetanus, and acellular Pertussis)

- Total of 5 vaccinations recommended at:
  - 2, 4, and 6 months
  - 15-18 months
  - booster at 4-6 years

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Tdap Recommendations for adolescents and adults

- Everyone 10 years and older should get 1 Tdap, especially:
  - Women of childbearing age, preferably before, or else during or immediately after pregnancy
  - Others with close contact with young infants
  - Health Care personnel
  - Includes persons > 64 years of age
  - All students entering 7th through 12th grade in Fall 2011
- No minimum interval between Td and Tdap

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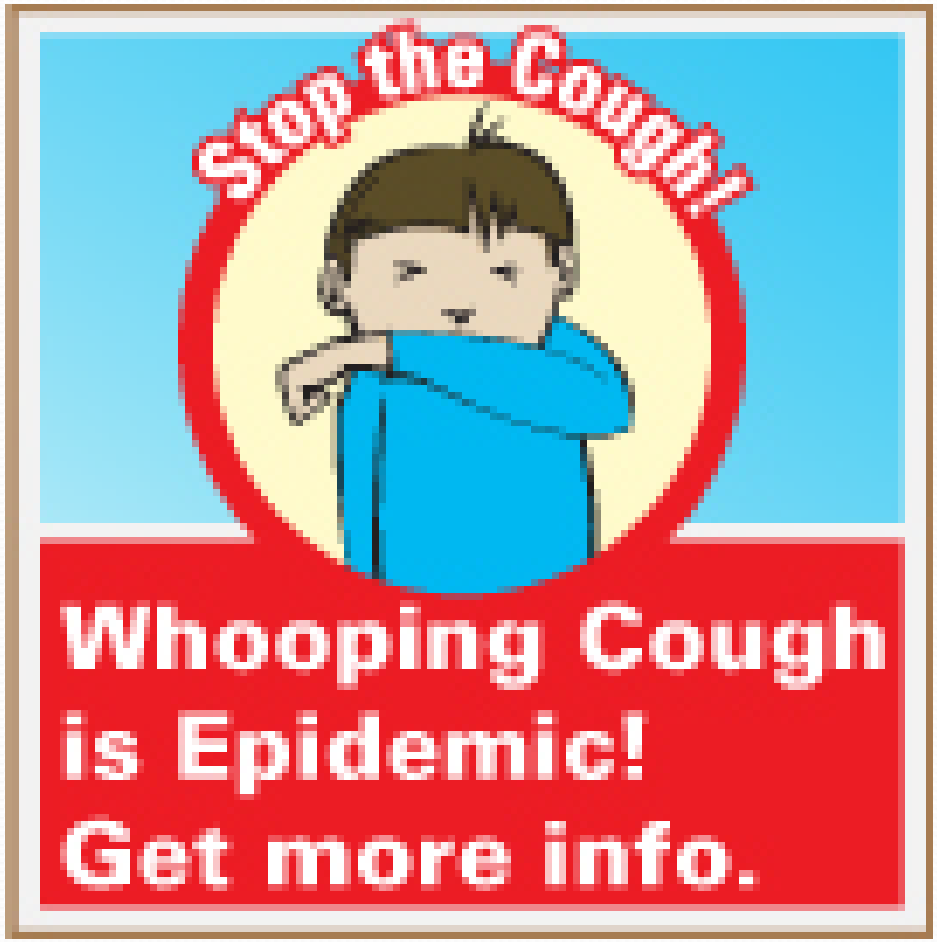
Link to Pertussis Materials

www.eziz.org



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Resources

- California Department of Public Health Immunization Branch (CDPH)
  - www.eziz.org
  - http://www.cdph.ca.gov/programs/immunize/Pages/default.aspx
- County of San Diego Immunization Program
  - www.sdiz.org
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