California Measles Surveillance Update

March 20, 2015

California is currently experiencing a large outbreak of measles. In December 2014 an outbreak of measles started in Disneyland in Orange County, California, and spread to the community (measles B3 strain). New introductions of measles (D8 and D4 strains) have also occurred. The information included in this report is preliminary and subject to change.

Since December, 2014, there have been 133 confirmed measles cases reported in California residents.

- No new confirmed cases have been reported to CDPH since the publication of the last report on March 13, 2015.
- The outbreak will be considered over when 42 days have elapsed from the end of the infectious period of the last known B3 measles cases that was a not a new importation. As of today, that date will be April 17, 2015.
- Of the confirmed cases:
    - 40 cases visited Disneyland during December 17th-20th, 2014 where they are presumed to have been exposed to measles
    - 30 are household or close contacts to a confirmed case
    - 11 were exposed in a community setting (e.g., emergency room) where a confirmed case was known to be present
    - 49 have unknown exposure source but are presumed to be linked to the outbreak based on a combination of descriptive epidemiology or strain type
    - 3 cases are known to have a different genotype from the outbreak strain
- Among measles cases for whom we have vaccination documentation, 57 were unvaccinated and 20 had 1 or more doses of MMR vaccine.

Table 1. Confirmed measles cases in California since December 2014, by local health jurisdiction

	Total number of confirmed cases
CALIFORNIA	**133**
ALAMEDA	6
CONTRA COSTA	1
LOS ANGELES	27
City of Long Beach*	2
City of Pasadena*	4
MARIN	2
MERCED	1
ORANGE	35
RIVERSIDE	8
SAN BERNARDINO	12
SAN DIEGO	14
SAN MATEO	4
SANTA CLARA	3
SOLANO	1
VENTURA	13
*City health jurisdictions not included in county total	

Table 2. Number of confirmed measles cases by hospitalization status

	Total*	Percent
Hospitalized	20	19%
Not hospitalized	85	81%
*28 have missing hospitalization data		

Table 3. Age distribution of confirmed measles cases

Age (years)	Total	Percent
<1	15	11%
1-4	20	15%
5-19	24	18%
≥20	74	56%