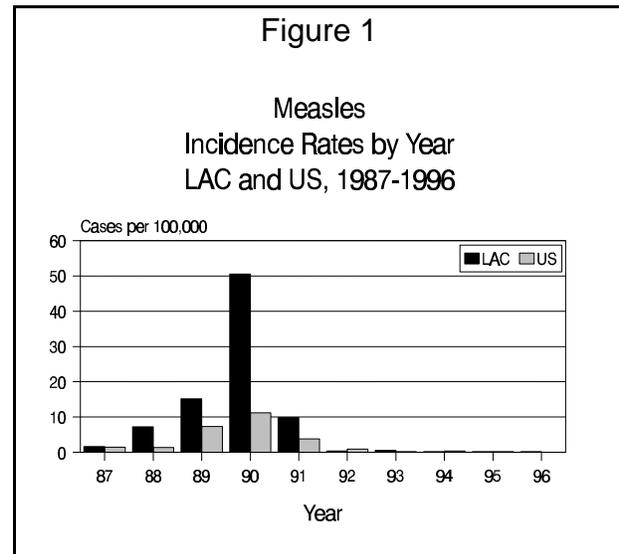




## MEASLES

CRUDE DATA	
Number of Cases	2
Annual Incidence <sup>a</sup>	
LA County	0.02
California	0.14
United States	0.19
Age at Onset	
Mean	19
Median	19
Range	15-23 yrs
Case Fatality	
LA County	0.0%
United States	N/A



<sup>a</sup>Cases per 100,000 population.

### ETIOLOGY

Measles virus.

### DISEASE ABSTRACT

Measles incidence has declined each year in Los Angeles County since the measles epidemic peak in 1990. In 1996, the number of measles cases and the incidence rate were the lowest ever experienced in the County.

### STRATIFIED DATA

**Trends:** In 1996, the number of measles cases remained far below the yearly average of 100 cases reported during the non-epidemic period of 1978-1986. The 1996 measles rate in LAC was only .02 cases per 100,000 population compared with 50.5 cases per 100,000 during the peak of the epidemic in 1990 (Figure 1).

**Seasonality:** Measles historically increases during the late winter and early spring months. In 1996, one case occurred in March and one case occurred in April.



**Age:** The cases in 1996 were 15 and 23 years of age, respectively.

**Sex:** The male-to-female rate ratio was 1:1.

**Race/Ethnicity:** Both cases of measles occurred among Whites, resulting in a race-specific incidence rate of 0.07 cases per 100,000 population.

**Location:** The two cases occurred in the East Valley Health District. The cases were not related epidemiologically.

**Diagnosis:** Both cases met the clinical criteria for measles and were confirmed serologically.

#### **COMMENTS**

Both measles cases were imported from outside Los Angeles County. The 15-year-old male measles case was a student from Austria and was exposed prior to arrival in the United States. He had never been vaccinated against measles. The 23-year-old female measles case traveled to Utah during her exposure period, potentially epidemiologically linking her to the measles outbreak in St. George County, Utah. She reported receiving measles vaccine at one year of age (1974); the vaccine in use at that time in the U.S. was not recommended for infants before the age of 15 months. Neither case experienced complications.