



# Infectious Disease Epidemiology Report

## *Haemophilus influenzae*, 2005 -- provisional



### Background

The Infectious Disease Epidemiology program of the Maine Center for Disease Control and Prevention monitors the incidence of invasive *Haemophilus influenzae* (*H. influenzae*) through mandatory reporting by health care providers, clinical laboratories and other public health partners. This report summarizes surveillance data on cases of invasive *H. influenzae* from 2005.

### Methods

Invasive *H. influenzae* disease is defined as isolation of *H. influenzae* from a normally sterile site (e.g., blood or cerebrospinal fluid [CSF] or, less commonly, joint, pleural, or pericardial fluid). Standardized case report forms that include information on demographic characteristics, clinical syndromes, and outcomes of illness were completed for each reported case in 2005. Serotyping was done on *H. influenzae* isolates by the Maine Health and Environmental Testing Laboratory (HETL). All rates of invasive *H. influenzae* disease were calculated using U.S. Bureau of Census Maine population counts for 2000.

### Results

A total of 11 cases of invasive *H. influenzae* were reported in 2005. The rate of *H. influenzae* in Maine was 0.9 cases per 100,000 population in 2005.

Eight cases (73%) were found among females. All 10 cases that had racial demographics available were identified as White. Ten cases (91%) were clinically diagnosed as bacteremia without focus and eight cases (73%) were hospitalized as a result of invasive *H. influenzae*. No deaths were associated with invasive *H. influenzae* disease in 2005.

One case of invasive *H. influenzae* type B disease was reported in 2005 in a previously immunized person >5 years of age.

### Invasive *H. influenzae* by age and serotype – Maine, 2005

Age Years	Serotype							
	B		Non-B		Non-Type		Unknown	
No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	
<1	0	0	1	7.4	0	0	0	0
1	0	0	1	7.1	0	0	0	0
2-4	0	0	0	0	0	0	0	0
5-17	1	0.4	0	0	1	0.4	0	0
18-34	0	0	0	0	0	0	0	0
35-49	0	0	0	0	0	0	1	0.3
50-64	0	0	3	1.4	0	0	0	0
>65	0	0	2	1.1	1	0.5	0	0
Total	1	0.1	7	0.5	2	0.2	1	0.1

\* Cases per 100,000 population

### Healthy People 2010

Objective: Decrease the incidence of invasive *H. influenzae* type B disease to zero cases per 100,000 persons less than 5 years of age.

Age (year)	2010 Objective	2005 Rate
<5	0/100,000	0/100,000

### Invasive *H. influenzae* by county – Maine, 2005

