

**Rates* and Case Fatality Percents of Invasive *Haemophilus influenzae* by
Age Group:
Denver Metropolitan Area^ and Colorado, 2011**

AGE GROUP (years)	Cases				Deaths	
	EIP^ No.	(EIP Rate*)	State No.	(State rate*)	State No.	(% of cases)
<=1	1	(1.5)	5	(3.8)	1	(20.0)
2-4	0	.
5-14	2	(0.6)	2	(0.3)	0	
15-24	3	(1.0)	5	(0.7)	0	
25-34	3	(0.8)	4	(0.5)	0	
35-49	2	(0.4)	5	(0.5)	0	
50-64	8	(1.7)	19	(1.9)	4	(21.1)
65+	9	(3.5)	26	(4.5)	2	(7.7)
Total	28	(1.1)	66	(1.3)	7	(10.6)

**Rates are per 100,000 population and based upon 2011-based population estimates, State
Demography Office - DOLA*

^EIP area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties.

**Rates* of Invasive *Haemophilus influenzae* by County:
Denver Metropolitan Area^, 2011**

COUNTY OF RESIDENCE	Cases	
	No.	(Rate*)
ADAMS	5	(1.1)
ARAPAHOE	6	(1.0)
DENVER	10	(1.6)
DOUGLAS	1	(0.3)
JEFFERSON	6	(1.1)

**Rates are per 100,000 population and based upon 2011-based population estimates, State
Demography Office - DOLA*

^EIP area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties

**Sterile Sites from which *Haemophilus influenzae* was Isolated:
Denver Metropolitan Area^, 2011**

<i>SITE OF ISOLATION</i>	No.*	(% of cases)
Blood	26	(92.9)
CSF	1	(3.6)
Pleural fluid	1	(3.6)
Joint fluid	1	(3.6)

****H.flu was isolated from one site in 26 cases and multiple sites in 2 cases (Total cases=28)***

H.flu was isolated only from blood in 24 cases (85.7%)

^Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties

**Clinical Syndromes Associated with Invasive *Haemophilus influenzae*
Disease:
Denver Metropolitan Area[^], 2011**

<i>CLINICAL SYNDROME</i>	No.*	(% of cases)
Bacteremic pneumonia	9	(32.1)
Bacteremia only	8	(28.6)
Meningitis	2	(7.1)
Epiglottitis	2	(7.1)
Septic abortion	2	(7.1)
Empyema	2	(7.1)
Otitis media	1	(3.6)
Peritonitis	1	(3.6)
Chorioamnionitis	1	(3.6)
Septic arthritis	1	(3.6)
Endocarditis	1	(3.6)

****Some cases may have more than one syndrome (Total cases=28)***

[^]Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties

Underlying Conditions Associated with Invasive *Haemophilus influenzae* : Denver Metropolitan Area[^], 2011

UNDERLYING CONDITION	No.*	(% of cases)
Current Smoker	7	(25.0)
Emphysema/COPD	6	(21.4)
Diabetes	3	(10.7)
Alcohol Abuse	3	(10.7)
Atherosclerotic Cardiovascular Disease	3	(10.7)
Cirrhosis/Liver Failure	2	(7.1)
Heart Failure/CHF	2	(7.1)
Cerebral Vascular Accident/Stroke	2	(7.1)
Hodgkin"s Disease	1	(3.6)
Asthma	1	(3.6)
Systemic Lupus Erythematosus	1	(3.6)
AIDS	1	(3.6)
Intravenous Drug Use	1	(3.6)
Obesity	1	(3.6)

**8 cases had more than one underlying condition*

8 (28.6%) had no underlying conditions; 0 cases were unknown (Total cases=28)

[^]Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties

**Invasive *Haemophilus influenzae* Serotypes:
Denver Metropolitan Area^, 2011**

Serotype	No.*	(% of isolates)
Not Typeable	15	(53.5)
f	9	(32.1)
a	2	(7.1)
e	2	(7.1)
Total	28	(100.0)

****Based upon testing of 28 isolates (Total cases=28)***

Testing performed by the CDPHE Laboratory

^Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties