

**Rates* and Case Fatality Percents of Invasive *Haemophilus influenzae*
by Age Group:
Denver Metropolitan Area^ and Colorado, 2007**

AGE GROUP (years)	Cases				Deaths	
	EIP^ No.	(EIP Rate*)	State No.	(State rate*)	State No.	(% of cases)
<=1	4	(5.4)	9	(6.4)	1	(11.1)
2-4	1	(0.9)	1	(0.5)	0	
5-14	1	(0.3)	2	(0.3)	0	
15-24	1	(0.3)	5	(0.7)	1	(20.0)
25-34	3	(0.9)	3	(0.5)	0	
35-49	4	(0.7)	6	(0.5)	0	
50-64	6	(1.4)	12	(1.3)	2	(16.7)
65+	11	(5.1)	20	(4.1)	2	(10.0)
Total	31	(1.3)	58	(1.2)	6	(10.3)

**Rates are per 100,000 population and based upon 2008-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^, 2007**

COUNTY OF RESIDENCE	Cases	
	No.	(Rate*)
ADAMS	5	(1.2)
ARAPAHOE	5	(0.9)
DENVER	11	(1.8)
DOUGLAS	1	(0.4)
JEFFERSON	9	(1.7)

**Rates are per 100,000 population and based upon 2008-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[^], 2007

<i>SITE OF ISOLATION</i>	No.*	(% of cases)
Blood	26	(83.9)
CSF	3	(9.7)
Pleural fluid	1	(3.2)
Joint fluid	1	(3.2)

**H.flu was isolated from one site in 30 cases and multiple sites in 1 case (Total cases=31)*

H.flu was isolated only from blood in 25 cases (80.6%)

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

**Clinical Syndromes Associated with Invasive *Haemophilus influenzae* Disease:
Denver Metropolitan Area[^], 2007**

<i>CLINICAL SYNDROME</i>	No.*	(% of cases)
Bacteremic pneumonia	16	(51.6)
Bacteremia only	11	(35.5)
Meningitis	3	(9.7)
Septic arthritis	1	(3.2)
Osteomyelitis	1	(3.2)

**Some cases may have more than one syndrome (Total cases=31)*

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

**Underlying Conditions Associated with Invasive *Haemophilus influenzae*
:
Denver Metropolitan Area^, 2007**

UNDERLYING CONDITION	No.*	(% of cases)
Current Smoker	6	(19.4)
Emphysema/COPD	4	(12.9)
Diabetes	4	(12.9)
Renal Failure/Dialysis	4	(12.9)
Atherosclerotic Cardiovascular Disease	4	(12.9)
Heart Failure/CHF	3	(9.7)
Alcohol Abuse	2	(6.5)
Sickle Cell Anemia	1	(3.2)
Immunosuppressive Therapy	1	(3.2)
Hodgkin"s Disease	1	(3.2)
Cirrhosis/Liver Failure	1	(3.2)
Intravenous Drug Use	1	(3.2)
Cerebral Vascular Accident/Stroke	1	(3.2)
Obesity	1	(3.2)
Deaf/Hearing loss	1	(3.2)

****9 cases had more than one underlying condition***

11 (35.5%) had no underlying conditions; 0 cases were unknown (Total cases=31)

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

Invasive *Haemophilus influenzae* Serotypes: Denver Metropolitan Area[^], 2007

Serotype	No.*	(% of isolates)
Not Typeable	25	(80.6)
f	4	(12.9)
Unknown	1	(3.2)
a	1	(3.2)
Total	31	(100.0)

**Based upon testing of 31 isolates (Total cases=31)*

Testing performed by the CDPHE Laboratory

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