

**Rates* and Case Fatality Percents of Invasive *Haemophilus influenzae* by
Age Group:
Denver Metropolitan Area^ and Colorado, 2010**

AGE GROUP (years)	Cases				Deaths	
	EIP^ No.	(EIP Rate*)	State No.	(State rate*)	State No.	(% of cases)
<=1	5	(7.3)	11	(8.2)	1	(9.1)
2-4	.	.	1	(0.5)	0	
5-14	4	(1.2)	9	(1.3)	0	
15-24	2	(0.6)	7	(1.0)	0	
25-34	.	.	3	(0.4)	0	
35-49	5	(0.9)	9	(0.8)	0	
50-64	6	(1.3)	13	(1.3)	1	(7.7)
65+	22	(8.9)	33	(5.9)	5	(15.2)
Total	44	(1.8)	86	(1.7)	7	(8.1)

**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.

**Rates* of Invasive *Haemophilus influenzae* by County:
Denver Metropolitan Area^, 2010**

<i>COUNTY OF RESIDENCE</i>	Cases	
	No.	(Rate*)
ADAMS	8	(1.8)
ARAPAHOE	7	(1.2)
DENVER	12	(2.0)
DOUGLAS	3	(1.1)
JEFFERSON	14	(2.6)

**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

**Sterile Sites from which *Haemophilus influenzae* was Isolated:
Denver Metropolitan Area^, 2010**

<i>SITE OF ISOLATION</i>	No.*	(% of cases)
Blood	42	(95.5)
Pleural fluid	2	(4.5)
CSF	1	(2.3)
Joint fluid	1	(2.3)

****H.flu was isolated from one site in 42 cases and multiple sites in 2 cases (Total cases=44)***

H.flu was isolated only from blood in 40 cases (90.9%)

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

**Clinical Syndromes Associated with Invasive *Haemophilus influenzae*
Disease:
Denver Metropolitan Area[^], 2010**

<i>CLINICAL SYNDROME</i>	No.*	(% of cases)
Bacteremic pneumonia	26	(59.1)
Bacteremia only	9	(20.5)
Meningitis	3	(6.8)
Epiglottitis	2	(4.5)
Otitis media	1	(2.3)
Cellulitis	1	(2.3)
Septic arthritis	1	(2.3)

**Some cases may have more than one syndrome (Total cases=44)*

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

Underlying Conditions Associated with Invasive *Haemophilus influenzae* : Denver Metropolitan Area[^], 2010

UNDERLYING CONDITION	No.*	(% of cases)
Diabetes	10	(22.7)
Current Smoker	7	(15.9)
Emphysema/COPD	7	(15.9)
Atherosclerotic Cardiovascular Disease	6	(13.6)
Alcohol Abuse	4	(9.1)
Heart Failure/CHF	3	(6.8)
Immunosuppressive Therapy	2	(4.5)
Leukemia	1	(2.3)
Hodgkin"s Disease	1	(2.3)
Asthma	1	(2.3)
Renal Failure/Dialysis	1	(2.3)
Cerebral Vascular Accident/Stroke	1	(2.3)

**13 cases had more than one underlying condition*

8 (18.2%) had no underlying conditions; 0 cases were unknown (Total cases=44)

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

**Invasive *Haemophilus influenzae* Serotypes:
Denver Metropolitan Area[^], 2010**

Serotype	No.*	(% of isolates)
Not Typeable	32	(72.7)
f	7	(15.9)
a	2	(4.5)
e	2	(4.5)
b	1	(2.2)
Total	44	(100.0)

****Based upon testing of 44 isolates (Total cases=44)***

Testing performed by the CDPHE Laboratory

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