

**Rates and Case Fatality Percents of Haemophilus influenzae Disease by
Age Group:
Denver Metropolitan Area^ and Colorado, 2005**

AGE GROUP (years)	Cases				Deaths	
	EIP^ No.	(EIP Rate*)	State No.	(State rate*)	State No.	(% of cases)
<=1	7	(9.6)	8	(2.8)	3	(37.5)
2-4	2	(1.8)	2	(0.4)	0	.
5-14	.	.	1		0	.
15-24	1	(0.3)	5	(0.3)	0	.
25-34	1	(0.3)	1		0	.
35-49	3	(0.5)	4	(0.1)	0	.
50-64	6	(1.5)	6	(0.3)	2	(33.3)
65+	9	(4.3)	18	(1.9)	2	(11.1)
Total	29	(1.2)	45	(0.4)	7	(15.5)

EIP includes only laboratory confirmed cases

**Rates are per 100,000 population and based upon 2007-based population estimates, State Demography Office - DOLA*

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

Rates of Haemophilus influenzae Disease by County: Denver Metropolitan Area[^], 2005

<i>COUNTY OF RESIDENCE</i>	<i>Cases</i>	
	<i>No.</i>	<i>(Rate*)</i>
ADAMS	6	(1.4)
ARAPAHOE	3	(0.5)
DENVER	12	(2.0)
DOUGLAS	1	(0.3)
JEFFERSON	8	(1.5)

EIP includes only laboratory confirmed cases

**Rates are per 100,000 population and based upon 2007-based population estimates, State Demography Office - DOLA*

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

Sterile Sites from which Haemophilus influenzae was Isolated: Denver Metropolitan Area[^], 2005

<i>SITE OF ISOLATION</i>	No.*	(% of cases)
Blood	26	(86.6)
CSF	1	(3.3)
Pleural fluid	1	(3.3)
Peritoneal fluid	1	(3.3)
Body site	1	(3.3)

**HFLU was isolated from one site in 29 cases and multiple sites in 1 cases (Total cases=30)*

HFLU was isolated only from blood in 25 cases (83.3%)

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

Syndromes Associated with Haemophilus influenzae Disease: Denver Metropolitan Area[^], 2005

<i>CLINICAL SYNDROME</i>	No.*	(% of cases)
Bacteremic pneumonia	16	(53.3)
Bacteremia only	7	(23.3)
Epiglottitis	2	(6.6)
Meningitis	1	(3.3)
Abscess	1	(3.3)
Peritonitis	1	(3.3)
Pericarditis	1	(3.3)
Endometritis	1	(3.3)
Empyema	1	(3.3)

****Some cases had more than one syndrome (Total cases=30)***

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

Underlying Conditions Associated with Haemophilus influenzae Disease: Denver Metropolitan Area[^], 2005

<i>UNDERLYING CONDITION</i>	<i>No.*</i>	<i>(% of cases)</i>
Emphysema/COPD	5	(16.6)
Atherosclerotic Cardiovascular Disease	5	(16.6)
Asthma	4	(13.3)
Diabetes	3	(10.0)
Current Smoker	2	(6.6)
Systemic Lupus Erythematosus	2	(6.6)
Heart Failure/CHF	2	(6.6)
Multiple Myeloma	1	(3.3)
Immunosuppressive Therapy	1	(3.3)
Renal Failure/Dialysis	1	(3.3)
HIV	1	(3.3)
AIDS	1	(3.3)
Alcohol Abuse	1	(3.3)
Cerebral Vascular Accident/Stroke	1	(3.3)
Organ transplant	1	(3.3)

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

6 (20%) had no underlying conditions; 0 cases were unknown (Total cases=30)

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

Invasive Haemophilus influenzae Disease Serotypes: Denver Metropolitan Area[^], 2005

<i>Serotype</i>	No.*	(% of isolates)
NT	18	(69.2)
F	3	(11.5)
E	2	(7.6)
A	2	(7.6)
B	1	(3.8)
Total	26	(100.0)

**Based upon reference lab testing of 26 isolates (Total cases=30)*

Testing performed by the Centers for Disease Control and Prevention: Atlanta, GA

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