

***Rates\* and Case Fatality Percents of Invasive Haemophilus influenzae by Age Group:  
Denver Metropolitan Area^ and Colorado, 2012***

<b><i>AGE GROUP (years)</i></b>	<b>Cases</b>				<b>Deaths</b>	
	<b>EIP^ No.</b>	<b>(EIP Rate*)</b>	<b>State No.</b>	<b>(State rate*)</b>	<b>State No.</b>	<b>(% of cases)</b>
<b>&lt;=1</b>	1	(1.5)	2	(1.5)	0	
<b>2-4</b>	.	.	2	(1.0)	0	
<b>5-14</b>	1	(0.3)	3	(0.4)	0	
<b>15-24</b>	.	.	.	.	0	.
<b>25-34</b>	2	(0.5)	3	(0.4)	0	
<b>35-49</b>	1	(0.2)	3	(0.3)	0	
<b>50-64</b>	11	(2.3)	19	(1.9)	3	(15.8)
<b>65+</b>	18	(6.5)	32	(5.2)	4	(12.5)
<b>Total</b>	34	(1.3)	64	(1.2)	7	(10.9)

***\*Rates are per 100,000 population and based upon 2012-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^, 2012***

<b><i>COUNTY OF RESIDENCE</i></b>	<b>Cases</b>	
	<b>No.</b>	<b>(Rate*)</b>
<b>ADAMS</b>	8	(1.7)
<b>ARAPAHOE</b>	9	(1.5)
<b>DENVER</b>	11	(1.7)
<b>DOUGLAS</b>	2	(0.7)
<b>JEFFERSON</b>	4	(0.7)

***\*Rates are per 100,000 population and based upon 2012-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<sup>^</sup>, 2012***

<b><i>SITE OF ISOLATION</i></b>	<b>No.*</b>	<b>(% of cases)</b>
Blood	33	(97.1)
CSF	1	(2.9)
Peritoneal fluid	1	(2.9)
Joint	1	(2.9)

***\*H.flu was isolated from one site in 32 cases and multiple sites in 2 case (Total cases=34)***

***H.flu was isolated only from blood in 31 cases (91.2%)***

***<sup>^</sup>Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties***

***Clinical Syndromes Associated with Invasive Haemophilus influenzae Disease:  
Denver Metropolitan Area<sup>^</sup>, 2012***

<b><i>CLINICAL SYNDROME</i></b>	<b>No.*</b>	<b>(% of cases)</b>
Bacteremic pneumonia	18	(52.9)
Bacteremia only	10	(29.4)
Epiglottitis	2	(5.9)
Meningitis	1	(2.9)
Peritonitis	1	(2.9)
Septic arthritis	1	(2.9)

***\*Some cases may have more than one syndrome (Total cases=34)***

***<sup>^</sup>Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties***

***Underlying Conditions Associated with Invasive Haemophilus influenzae :  
Denver Metropolitan Area<sup>^</sup>, 2012***

<b><i>UNDERLYING CONDITION</i></b>	<b>No.*</b>	<b>(% of cases)</b>
Emphysema/ COPD	8	(23.5)
Atherosclero tic Cardiovascul ar Disease	6	(17.6)
Immunosupp ressive Therapy	4	(11.8)
Heart Failure/CHF	4	(11.8)
Obesity	3	(8.8)
Current Smoker	2	(5.9)
Diabetes	2	(5.9)
Multiple Myeloma	1	(2.9)
Splenectomy/ Asplenia	1	(2.9)
Leukemia	1	(2.9)
Hodgkin"s Disease	1	(2.9)
Asthma	1	(2.9)
Systemic Lupus Erythematos us	1	(2.9)
Renal Failure/ Dialysis	1	(2.9)
Cirrhosis/ Liver Failure	1	(2.9)

(Continued)

***\*11 cases had more than one underlying condition***

***7 (20.6%) had no underlying conditions; 1 cases were unknown (Total cases=34)***

***<sup>^</sup>Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties***

***Underlying Conditions Associated with Invasive Haemophilus influenzae :  
Denver Metropolitan Area<sup>^</sup>, 2012***

<b><i>UNDERLYI NG CONDITION</i></b>	<b>No.*</b>	<b>(% of cases)</b>
<b>Alcohol Abuse</b>	1	(2.9)
<b>Cerebral Vascular Accident/ Stroke</b>	1	(2.9)

***\*11 cases had more than one underlying condition***

***7 (20.6%) had no underlying conditions; 1 cases were unknown (Total cases=34)***

***<sup>^</sup>Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties***

***Invasive Haemophilus influenzae Serotypes:  
Denver Metropolitan Area<sup>^</sup>, 2012***

<i>Serotype</i>	No.*	(% of isolates)
Not Typeable	36	(56.2)
f	17	(26.5)
a	5	(7.8)
e	3	(4.6)
b	2	(3.1)
Unknown	1	(1.5)
Total	64	(100.0)

***\*Based upon testing of 64 isolates (Total cases=64)***

***Testing performed by the CDPHE Laboratory***

***<sup>^</sup>Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties***