

***Rates\* and Case Fatality Percents of Invasive Haemophilus influenzae by Age Group:  
Denver Metropolitan Area^ and Colorado, 2013***

<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>	6	(8.9)	8	(6.1)	2	(25.0)
<b>2-4</b>	1	(1.0)	1	(0.5)	0	
<b>5-14</b>	1	(0.3)	1	(0.1)	0	
<b>15-24</b>	6	(1.9)	9	(1.3)	0	
<b>25-34</b>	4	(1.0)	7	(0.9)	1	(14.3)
<b>35-49</b>	6	(1.1)	8	(0.8)	0	
<b>50-64</b>	8	(1.7)	11	(1.1)	1	(9.1)
<b>65+</b>	23	(8.3)	39	(6.3)	6	(15.4)
<b>Total</b>	55	(2.2)	84	(1.6)	10	(11.9)

***\*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^, 2013***

<b><i>COUNTY OF RESIDENCE</i></b>	<b>Cases</b>	
	<b>No.</b>	<b>(Rate*)</b>
<b>ADAMS</b>	14	(3.0)
<b>ARAPAHOE</b>	12	(2.0)
<b>DENVER</b>	17	(2.7)
<b>DOUGLAS</b>	2	(0.7)
<b>JEFFERSON</b>	10	(1.8)

***\*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>, 2013***

<b><i>SITE OF ISOLATION</i></b>	<b>No.*</b>	<b>(% of cases)</b>
Blood	47	(85.5)
CSF	5	(9.1)
Joint	2	(3.6)
Pleural fluid	1	(1.8)
Bone	1	(1.8)
Body site	1	(1.8)
17	1	(1.8)

***\*H.flu was isolated from one site in 52 cases and multiple sites in 3 case (Total cases=55)***

***H.flu was isolated only from blood in 44 cases (80%)***

***<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>, 2013***

<b><i>CLINICAL SYNDROME</i></b>	<b>No.*</b>	<b>(% of cases)</b>
Bacteremic pneumonia	31	(56.4)
Bacteremia only	11	(20.0)
Meningitis	6	(10.9)
Septic arthritis	2	(3.6)
Osteomyelitis	2	(3.6)
Epiglottitis	1	(1.8)
Septic abortion	1	(1.8)
Chorioamnionitis	1	(1.8)
Endometritis	1	(1.8)

***\*Some cases may have more than one syndrome (Total cases=55)***

***<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>, 2013***

<b><i>UNDERLYING CONDITION</i></b>	<b>No.*</b>	<b>(% of cases)</b>
Current Smoker	11	(20.0)
Emphysema/ COPD	10	(18.2)
Diabetes	10	(18.2)
Obesity	7	(12.7)
Atherosclerotic Cardiovascular Disease	4	(7.3)
Immunosuppressive Therapy	3	(5.5)
Asthma	3	(5.5)
Cirrhosis/ Liver Failure	3	(5.5)
Hodgkin"s Disease	2	(3.6)
Renal Failure/ Dialysis	2	(3.6)
Heart Failure/CHF	2	(3.6)
Leukemia	1	(1.8)
HIV	1	(1.8)
AIDS	1	(1.8)
Deaf/ Hearing loss	1	(1.8)

***\*17 cases had more than one underlying condition***

***17 (30.9%) had no underlying conditions; 3 cases were unknown (Total cases=55)***

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

***Invasive Haemophilus influenzae Serotypes:  
Denver Metropolitan Area<sup>^</sup>, 2013***

<i>Serotype</i>	No.*	(% of isolates)
Not Typeable	64	(76.1)
f	9	(10.7)
a	5	(5.9)
e	3	(3.5)
Unknown	3	(3.5)
Total	84	(100.0)

***\*Based upon testing of 84 isolates (Total cases=84)***

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

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