

**Rates and Case Fatality Percents of Haemophilus influenzae Disease by  
Age Group:  
Denver Metropolitan Area^ and Colorado, 2006**

<b>AGE GROUP (years)</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>
<=1	3	(4.0)	4	(1.4)	1	(25.0)
2-4	3	(2.7)	4	(0.9)	0	.
5-14	1	(0.3)	2	(0.1)	0	.
15-24	.	.	3	(0.2)	0	.
25-34	1	(0.3)	3	(0.2)	0	.
35-49	4	(0.7)	6	(0.2)	1	(16.6)
50-64	8	(1.9)	12	(0.7)	1	(8.3)
65+	10	(4.7)	17	(1.8)	7	(41.1)
<b>Total</b>	<b>30</b>	<b>(1.2)</b>	<b>51</b>	<b>(0.5)</b>	<b>10</b>	<b>(19.6)</b>

*Statewide includes . probable cases*

*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*

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## Rates of Haemophilus influenzae Disease by County: Denver Metropolitan Area<sup>^</sup>, 2006

<i>COUNTY OF RESIDENCE</i>	<i>Cases</i>	
	<i>No.</i>	<i>(Rate*)</i>
ADAMS	2	(0.4)
ARAPAHOE	12	(2.2)
DENVER	11	(1.8)
DOUGLAS	1	(0.3)
JEFFERSON	6	(1.1)

*Statewide includes . probable cases*

*EIP includes only laboratory confirmed cases*

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

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

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## Sterile Sites from which *Haemophilus influenzae* was Isolated: Denver Metropolitan Area<sup>^</sup>, 2006

<i>SITE OF ISOLATION</i>	No.*	(% of cases)
Blood	28	(87.5)
CSF	3	(9.3)
Pleural fluid	1	(3.1)
Peritoneal fluid	1	(3.1)
Joint	1	(3.1)

*Statewide includes . probable cases*

*\*HFLU was isolated from one site in 28 cases and multiple sites in 4 cases (Total cases=32)*

*HFLU was isolated only from blood in 24 cases (75%)*

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

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## **Syndromes Associated with Haemophilus influenzae Disease: Denver Metropolitan Area<sup>^</sup>, 2006**

<b><i>CLINICAL SYNDROME</i></b>	<b>No.*</b>	<b>(% of cases)</b>
Bacteremic pneumonia	15	(46.8)
Bacteremia only	8	(25.0)
Meningitis	3	(9.3)
Septic arthritis	2	(6.2)
Cellulitis	1	(3.1)
Epiglottitis	1	(3.1)
Peritonitis	1	(3.1)
Chorioamnionitis	1	(3.1)

*Statewide includes . probable cases*

*\*Some cases had more than one syndrome (Total cases=32)*

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

## Underlying Conditions Associated with Haemophilus influenzae Disease: Denver Metropolitan Area<sup>^</sup>, 2006

<b>UNDERLYING CONDITION</b>	<b>No.*</b>	<b>(% of cases)</b>
Emphysema/COPD	6	(18.7)
Diabetes	4	(12.5)
Renal Failure/Dialysis	4	(12.5)
Current Smoker	3	(9.3)
Asthma	3	(9.3)
Alcohol Abuse	3	(9.3)
Immunosuppressive Therapy	2	(6.2)
Atherosclerotic Cardiovascular Disease	2	(6.2)
Organ transplant	2	(6.2)
Multiple Myeloma	1	(3.1)
Cirrhosis/Liver Failure	1	(3.1)
Cerebral Vascular Accident/Stroke	1	(3.1)
Obesity	1	(3.1)

*Statewide includes . probable cases*

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

*7 (21.9%) had no underlying conditions; 1 cases were unknown (Total cases=32)*

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

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## **Invasive Haemophilus influenzae Disease Serotypes: Denver Metropolitan Area<sup>^</sup>, 2006**

<b>Serotype</b>	<b>No.*</b>	<b>(% of isolates)</b>
NT	21	(75.0)
F	4	(14.2)
A	2	(7.1)
E	1	(3.5)
Total	28	(100.0)

*Statewide includes . probable cases*

*\*Based upon reference lab testing of 28 isolates (Total cases=32)*

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

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