

**Rates and Case Fatality Percents of Invasive Group B Streptococcal  
Disease by Age Group:  
Denver Metropolitan Area<sup>^</sup>, 2003**

<i>AGE GROUP (years)</i>	<i>Cases</i>		<i>Deaths</i>	
	<i>No.</i>	<i>(Rate*)</i>	<i>No.</i>	<i>(% of cases)</i>
<=1	20	(27.9)	0	.
2-4	.	.	0	.
5-14	1	(0.3)	1	(100.0)
15-24	2	(0.6)	0	.
25-34	10	(2.8)	0	.
35-49	18	(3.3)	2	(11.1)
50-64	32	(9.0)	3	(9.3)
65+	36	(17.7)	2	(5.5)
<b>Total</b>	<b>119</b>	<b>(5.3)</b>	<b>8</b>	<b>(6.7)</b>

*\*Rates are computed using 2004-based population estimates, State Demography Office - DOLA  
^Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties*

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## Rates of Invasive Group B Streptococcal Disease by County: Denver Metropolitan Area<sup>^</sup>, 2003

<i>COUNTY OF RESIDENCE</i>	<i>Cases</i>	
	<i>No.</i>	<i>(Rate*)</i>
ADAMS	20	(5.2)
ARAPAHOE	23	(4.4)
DENVER	47	(8.3)
DOUGLAS	7	(3.1)
JEFFERSON	22	(4.1)

*\*Rates are computed using 2004-based population estimates, State Demography Office - DOLA  
^Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties*

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## **Sterile Sites from which Invasive group B streptococcus was Isolated: Denver Metropolitan Area<sup>^</sup>, 2003**

<b><i>SITE OF ISOLATION</i></b>	<b>No.*</b>	<b>(% of cases)</b>
Blood	98	(82.3)
Bone	10	(8.4)
Wound	7	(5.8)
Joint	6	(5.0)
CSF	2	(1.6)
Peritoneal fluid	2	(1.6)
Pleural fluid	1	(0.8)
Placenta	1	(0.8)
Body site	1	(0.8)

***\*GBS was isolated from one site in 110 cases and multiple sites in 9 cases (Total cases=119)***

***GBS was isolated only from blood in 91 cases (76.5%)***

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

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## Syndromes Associated with Invasive Group B Streptococcal Disease: Denver Metropolitan Area<sup>^</sup>, 2003

<i>CLINICAL SYNDROME</i>	No.*	(% of cases)
Bacteremia only	57	(47.8)
Cellulitis	26	(21.8)
Osteomyelitis	12	(10.0)
Septic arthritis	10	(8.4)
Bacteremic pneumonia	9	(7.5)
Abscess	3	(2.5)
Meningitis	2	(1.6)
Peritonitis	2	(1.6)
Septic abortion	1	(0.8)
Necrotizing fasciitis	1	(0.8)

*\*Some cases had more than one syndrome (Total cases=119)*

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

## Underlying Conditions Associated with Invasive Group B Streptococcal Disease: Denver Metropolitan Area<sup>^</sup>, 2003

<i>UNDERLYING CONDITION</i>	No.*	(% of cases)
Diabetes	30	(25.2)
Current Smoker	17	(14.2)
Alcohol Abuse	15	(12.6)
Atherosclerotic Cardiovascular Disease	15	(12.6)
Emphysema/COPD	10	(8.4)
Cirrhosis/Liver Failure	8	(6.7)
Renal Failure/Dialysis	7	(5.8)
Heart Failure/CHF	7	(5.8)
Cerebral Vascular Accident/Stroke	6	(5.0)
Immunosuppressive Therapy	5	(4.2)
Asthma	4	(3.3)
Nephrotic Syndrome	4	(3.3)
Leukemia	2	(1.6)
HIV	2	(1.6)
Multiple Myeloma	1	(0.8)
Immunoglobulin Deficiency	1	(0.8)
Systemic Lupus Erythematosus	1	(0.8)
AIDS	1	(0.8)

*\*37 cases had more than one underlying condition*

*19 (16%) had no underlying conditions; 8 cases were unknown (Total cases=119)*

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

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## Invasive Group B Streptococcal Disease Serotypes: Denver Metropolitan Area<sup>^</sup>, 2003

<i>Serotype</i>	No.*	(% of isolates)
V	25	(25.5)
III	21	(21.4)
IA	11	(11.2)
II	9	(9.1)
IB	8	(8.1)
II/C	6	(6.1)
NT	6	(6.1)
IA/C	4	(4.0)
IV	4	(4.0)
IB/C	3	(3.0)
II/III	1	(1.0)
Total	98	(100.0)

*\*Based upon reference lab testing of 98 isolates (Total cases=119)*

*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*