

**Cases, Rates and Case Fatality of Invasive *Neisseria meningitidis* Disease  
in Five-County Denver Metropolitan Area^ by Age Group, 2013**

Neisseria meningitidis	Cases (Rate)		Deaths	
	No.	(Rate)	No.	(% of cases)
Age Group (years)				
<1	1	(3.0)	0	.
1	.	.	0	.
2-4	.	.	0	.
5-17	.	.	0	.
18-34	1	(0.1)	0	.
35-49	2	(0.3)	0	.
50-64	.	.	0	.
65+	1	(0.3)	0	.
<b>Total</b>	5	(0.1)	0	.

*Rates are computed using 2012-based population estimates, State Demography Office - DOLA  
^ Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties*

***Rates of Invasive Neisseria meningitidis Disease by County  
Denver Metropolitan Area<sup>^</sup>, 2013***

Neisseria meningitidis	Cases (Rate)	
	No.	(Rate)
ADAMS	.	.
ARAPAHOE	.	.
DENVER	3	(0.4)
DOUGLAS	.	.
JEFFERSON	2	(0.3)

***Rates are computed using 2012-based population estimates, State Demography Office - DOLA  
<sup>^</sup> Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties***

***Sites from which Invasive Neisseria meningitidis was Isolated  
Denver Metropolitan Area<sup>^</sup>, 2013***

<b>Site of Isolation</b>	<b>No.*</b>	<b>(% of cases)</b>
<b>Blood</b>	4	(80.0)
<b>CSF</b>	1	(20.0)

***\*Not mutually exclusive; N. meningitidis was isolated from one site in . cases and multiple sites in . cases (Total cases=5)***

***N. meningitidis was isolated only from blood in 4 cases (80%)***

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

***Syndromes Associated with Invasive Neisseria meningitidis Disease, by Age Group  
Denver Metropolitan Area<sup>^</sup>, 2013***

Clinical Syndrome		No.*	(% of cases)
Age Group (years)			
<=17	Meningitis	1	(100.0)
18-49	Meningitis	1	(33.3)
	Pneumonia	1	(33.3)
	Other syndrome	1	(33.3)
	Septic shock	1	(33.3)
50+	Cellulitis	1	(100.0)

***\* Some cases had more than one syndrome***

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

***Underlying Conditions Associated with Invasive Neisseria meningitidis Disease  
Denver Metropolitan Area<sup>^</sup>, 2013***

Underlying Condition		No.*	(% of cases)
Age Group (years)			
<=17	None	1	(100.0)
18-49	Immunoglobulin deficiency	2	(100.0)
	IV drug use (current)	2	(100.0)
	Alcohol abuse (past)	1	(50.0)
	Atherosclerotic Cardiovascular Disease	1	(50.0)
	Dementia	1	(50.0)
	Renal Failure/Dialysis	1	(50.0)
50+	CSF leak	1	(100.0)

***0% of cases in the <=17 and 50+ age groups, and 100% of cases in the 18-49 age group had >1 underlying condition***

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

***Invasive Neisseria meningitidis Disease Serotypes  
Denver Metropolitan Area<sup>^</sup>, 2013***

<b>Neisseria meningitidis</b>	<b>No.</b>	<b>(% of isolates)</b>
<b>Type</b>		
<b>Y</b>	2	(40.0)
<b>C</b>	2	(40.0)
<b>B</b>	1	(20.0)
<b>Total</b>	5	(100.0)

***Based upon reference lab testing of 5 isolates (Total cases=5)  
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***