

**Cases, Rates and Case Fatality of Invasive *Neisseria meningitidis* Disease
in Five-County Denver Metropolitan Area^ by Age Group, 2012**

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	2	(0.3)	0	.
35-49	.	.	0	.
50-64	1	(0.2)	0	.
65+	.	.	0	.
Total	4	(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[^], 2012***

Neisseria meningitidis	Cases (Rate)	
	No.	(Rate)
ADAMS	1	(0.2)
ARAPAHOE	3	(0.5)
DENVER	.	.
DOUGLAS	.	.
JEFFERSON	.	.

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

*Sites from which Invasive Neisseria meningitidis was Isolated
Denver Metropolitan Area[^], 2012*

Site of Isolation	No.*	(% of cases)
Blood	2	(50.0)
CSF	2	(50.0)
Joint	1	(25.0)

**Not mutually exclusive; N. meningitidis was isolated from one site in 3 cases and multiple sites in 1 cases (Total cases=4)*

N. meningitidis was isolated only from blood in 1 cases (25%)

[^] Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties

***Syndromes Associated with Invasive Neisseria meningitidis Disease, by Age Group
Denver Metropolitan Area[^], 2012***

Clinical Syndrome		No.*	(% of cases)
Age Group (years)			
<=17	Meningitis	1	(100.0)
18-49	Pneumonia	1	(50.0)
	Septic arthritis	1	(50.0)
	Septic shock	1	(50.0)
50+	Meningitis	1	(100.0)

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

[^] Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties

***Underlying Conditions Associated with Invasive Neisseria meningitidis Disease
Denver Metropolitan Area[^], 2012***

Underlying Condition		No.*	(% of cases)
Age Group (years)			
<=17	None	1	(100.0)
18-49	Immunosuppressive therapy	2	(100.0)
	Leukemia	2	(100.0)
	Asthma	1	(50.0)
	Bone marrow transplant	1	(50.0)
	Diabetes	1	(50.0)
	Organ transplant	1	(50.0)
50+	Current smoker	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

[^] Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties

***Invasive Neisseria meningitidis Disease Serotypes
Denver Metropolitan Area[^], 2012***

Neisseria meningitidis	No.	(% of isolates)
Type		
B	3	(100.0)
Total	3	(100.0)

***Based upon reference lab testing of 3 isolates (Total cases=4)
Testing performed by the Centers for Disease Control and Prevention, Atlanta, GA
[^]Emerging Infections Program area: Adams, Arapahoe, Denver, Douglas, and Jefferson counties***