



# 2013-2017 Profile of *Neisseria meningitidis* (Meningococcal Disease) in Dallas County

## Dallas County Health and Human Services

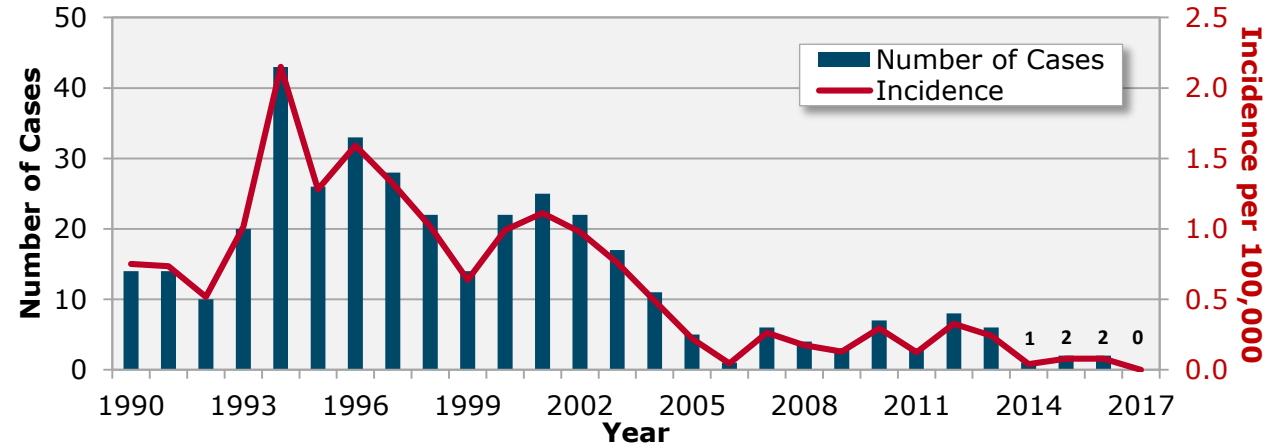
### Summary of *N. meningitidis* (Meningococcal) Cases, 2013-2017

	n (%)	Incidence per 100,000
<b>Total</b>	11 (100.0)	0.1
<b>Sex</b>		
Male	6 (54.5)	0.1
Female	5 (45.5)	0.1
<b>Race/Ethnicity</b>		
Hispanic	5 (45.5)	0.1
White	3 (27.3)	0.1
Black	3 (27.3)	0.1
Asian	0	N/A
American Indian	0	N/A
<b>Age Group (years)</b>		
<1	0	N/A
1	1 (9.1)	2.5
2-4	0	N/A
5-17	2 (18.2)	0.4
18-34	4 (36.4)	0.6
35-49	3 (27.3)	0.6
50-64	1 (9.1)	0.2
≥65	0	N/A
<b>Deaths</b>	0	N/A

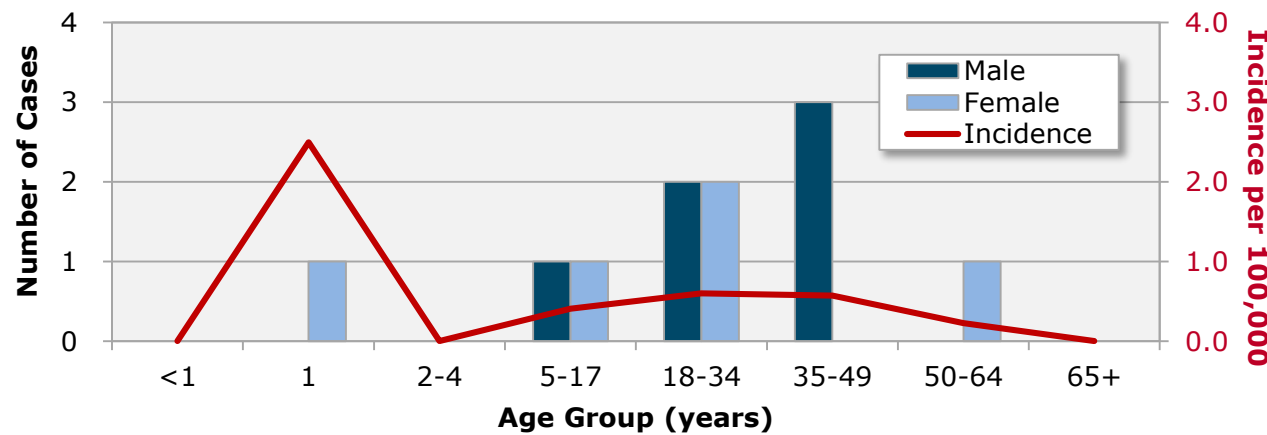
N/A = Not applicable

- Meningococcal disease refers to illnesses caused by the bacteria *Neisseria meningitidis*. These infections are often severe and can cause meningitis and/or bacteremia.
- Persons at increased risk of meningococcal disease include: military recruits, college freshmen living in dormitories, persons traveling to parts of the world where meningococcal disease is common, and persons with functional asplenia, or immune system deficiencies.
- Rates of meningococcal disease have been declining in the U.S. since the late 1990s; highest rates are in children <1 year, followed by a second peak in adolescence.
- Two doses of conjugate meningococcal vaccine (MCV4) are recommended for adolescents 11 through 18 years of age, and protect against serogroups A, C, W, and Y. Vaccines for B serogroup have been recently approved.

### Meningococcal Cases and Incidence by Year of Onset, Dallas County, 1991-2017



### Meningococcal Cases and Incidence by Sex and Age Group (years), 2013-2017



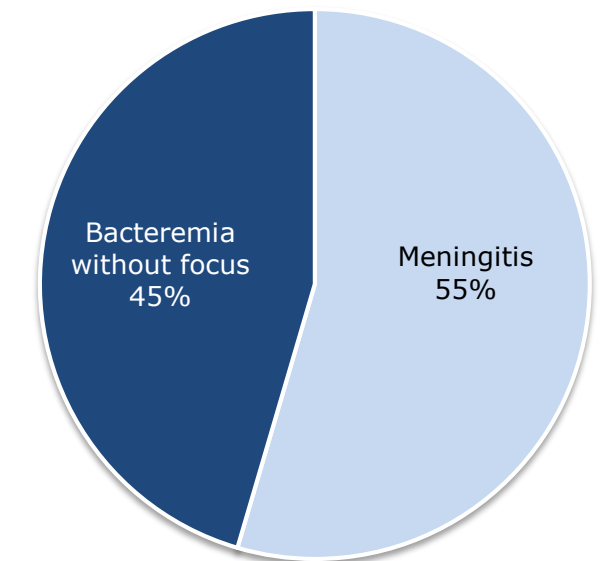
### Meningococcal Cases and Incidence by Age Group, 2013-2017

Age Group (years)	Serogroup B n (Incidence)	Serogroup C n (Incidence)	Serogroup Y n (Incidence)	Serogroup W n (Incidence)	Not Serotyped n (Incidence)
<1	0	0	0	0	0
1	0	0	1 (2.5)	0	0
2-4	0	0	0	0	0
5-17	1 (0.2)	0	1 (0.2)	0	0
18-34	2 (0.3)	1 (0.2)	1 (0.2)	0	0
35-49	0	1 (0.2)	0	1 (0.2)	1 (0.2)
50-64	0	0	0	0	1 (0.2)
≥65	0	0	0	0	0
<b>Total</b>	3 (0.1)	2 (0.1)	3 (0.1)	1 (<0.1)	2 (0.1)

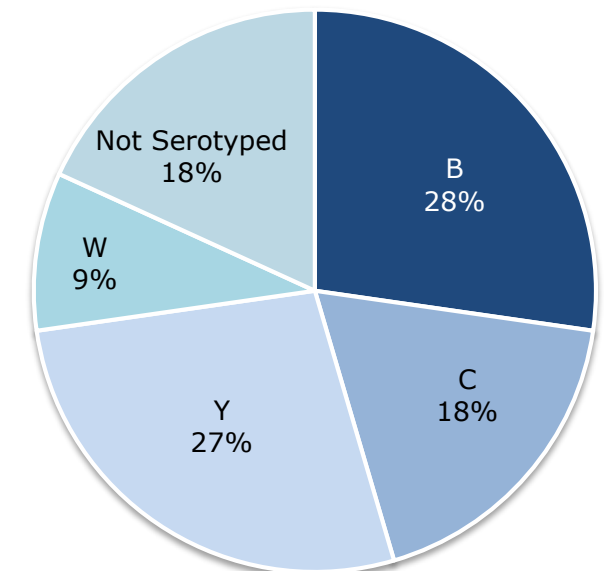
### Meningococcal Cases and Incidence in Adolescents and Young Adults, 2013-2017

Age Group (years)	n	Incidence per 100,000
11-17	2	0.2
18-24	2	0.2

### Meningococcal Cases by Clinical Syndrome 2013-2017, (n=11)



### Meningococcal Cases by Serogroup 2013-2017, (n=11)



Note: Incidence calculated using projected population data for 2016; 5 year average incidence from 2012-2016; and percent values are calculated using known data.

Data Sources: Dallas County Department of Health and Human Services, Epidemiology Division; National Electronic Disease Surveillance System (NEDSS); Population data obtained through the Centers for Disease Control and Prevention: WONDER Bridged-Race Population Estimates 1990-2016.