



Naval Health Research Center (NHRC) Meningococcal Disease Surveillance Update



Supported by the GEIS Division of the Armed Forces Health Surveillance Center

1 July 2012

Program Objective

NHRC participates with the Armed Forces Health Surveillance Center to confirm and characterize suspected cases of meningococcal disease.

If a suspected case of meningococcal disease presents at your MTF, we request that you provide NHRC with a specimen. 

One Active-Duty Case in April 2012

The first case since February of 2011 occurred in April 2012. The patient was an enlisted sailor who completely recovered.

Contacts

Address

Operational Infectious Diseases
Department
Naval Health Research Center
McClelland & Patterson Roads
Gate 4, Bldg 330
San Diego, CA 92152

Web

<http://www.med.navy.mil/sites/nhrc/geis/Pages/ResearchProjects.aspx>

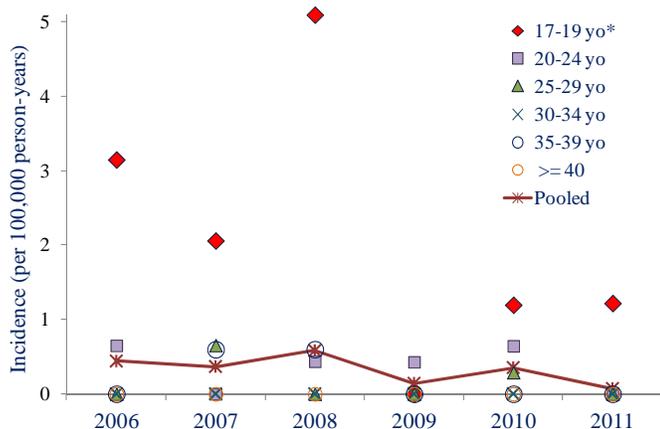
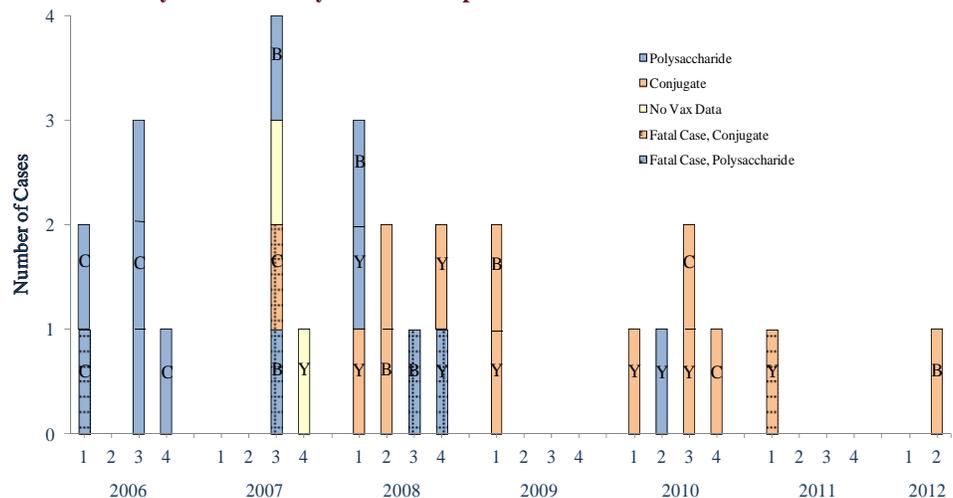
Email

NHRC-MGC@med.navy.mil

Phone

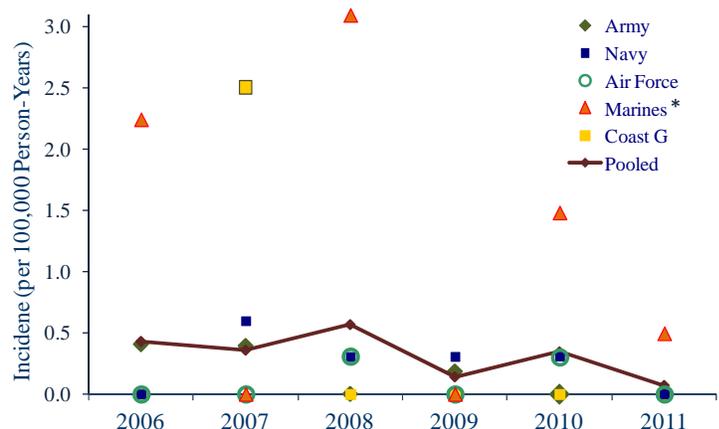
(619) 553-8515, (619) 553-8375

Summary of Active-Duty Cases with Specimens Recorded at NHRC Since 2006



Meningococcal Incidence in Active Duty by Age Range.

*The incidence is significantly higher in the <20 year-old group than any other age group.



Meningococcal Incidence in Active Duty by Branch.

*The incidence is significantly higher in the Marine Corps than any other service branch.



1 July 2012

NHRC Meningococcal Disease Surveillance Epidemiology

Variable	2006	2007	2008	2009	2010				2011				2012	Total Cases	Incidence* (if applicable)	
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1			Q2
Serogroup																
A															0	
B		2	3	1									1		7	
C	4	1					1	1							7	
W-135															0	
X															0	
Y		1	4	1	1	1	1		1						10	
Unknown	2	1	1												4	
Mortality Status																
Fatal	1	2	2						1						6	
Not Fatal	5	3	6	2	1	1	2	1					1		22	
Vaccinated																
Polysaccharide	6	2	4			1									13	
Conjugate		1	4	2	1	2	1	1					1		13	
Unknown		2													2	
Location																
OCONUS	2	1	2			1									6	0.258
Midwest				1											1	
Southeast	3	1	2	1	1	1		1							10	
Southwest	1	2	3				1	1					1		9	0.366
Northeast		1	1												2	
Service																
Air Force			1				1								2	0.100
Army	2	2		1		1									6	0.156
Marines	4		6		1	2		1							14†	1.204
Navy		2	1	1									1		5	0.253
Coast Guard		1													1	0.427
AD status																
Recruit	3		5		1	1		1							11†	1.077
Enlisted	3	5	3	2		1	1	1					1		17	0.261
Officer															0†	0.000
Gender																
M	6	5	7	1	1	1	1						1		23	
F			1	1		1	1		1						5	
Race/Ethnicity																
White	5	3	5	1		1	1								16	0.271
Black	1	1	1			1	1	1	1						7	0.456
Hispanic			1										1		2	0.101
Asian			1												1	0.304
Unk/Other		1		1											2	0.000
Age																
17-19	3	2	5			1		1							12†	2.176
20-24	3		2	2	1	1	1						1		11	0.361
25-29		2					1								3	0.155
30-34															0†	0.000
35-39		1	1												2	0.202
Total Cases	6	5	8	2	1	1	2	1	1	0	0	0	0	1	28	
Incidence	0	0	1	0	1	28	0.304									

*The incidences shown are through 2011 and do not include 2012 cases; denominator includes an estimate of the 2011 population size, which is not yet available.

†This number of cases is significantly different from the Poisson probability (p-value < 0.05). The p-values were not adjusted for the multiple comparisons.

Data Sources: NMCPHC EpiData Center, Armed Forces Health Surveillance Center, and NHRC.

Specimens may be shipped to

Attn: Specimen Receiving

NHRC Operational Infectious Diseases Department

McClelland & Patterson Roads, Gate 4, Bldg 330

San Diego, CA 92152

(619) 553-8515, (619) 553-8375