

# FRI Surveillance Among DoD Beneficiaries

Operational Infectious Diseases  
Naval Health Research Center, San Diego, CA

Week 23 (through June 7, 2012)



## Contact Information

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Cumulative total from  
week 1 through week 23  
Flu +/-/Total enrolled:

*Lovell FHCC*  
**73/285**

*NMCS D*  
**19/100**  
*ER*  
**11/28**  
*Pediatrics*  
**8/72**

*TOC Clairemont Mesa*  
**26/109**

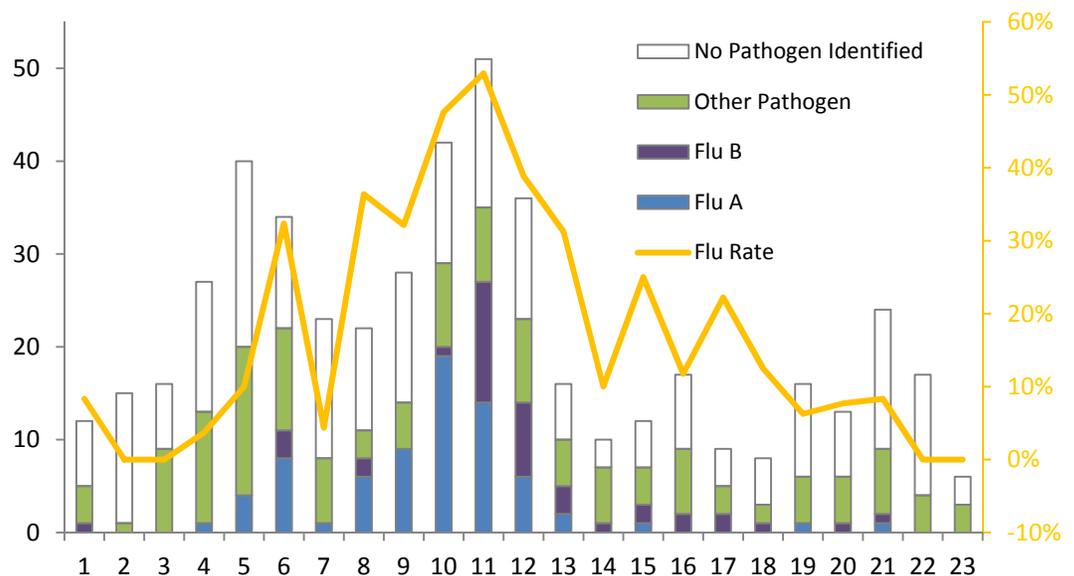
## Scope of the Study

- This document reports on an FRI (Febrile Respiratory Illness) surveillance study conducted at the Lovell FHCC and in 3 NMCS D facilities: the Emergency Department, Pediatric Department, and Tricare Outpatient Clinic (TOC) Clairemont Mesa. The study was initiated in November 2007.
- The study operates under IRB-approved protocol # NHRC.2007.0024.
- Subject enrollment criteria include: (1) age >6 months, (2) not active duty, (3) is a patient at the clinic in which subject is recruited, (4) meets case definition.
- Case definition for FRI (febrile respiratory illness):
  - (1) subjective fever or temperature  $\geq 100.5^{\circ}\text{F}$  and
  - (2) cough or sore throat.
- Subjects provide a combination throat/nasal swab specimen. NHRC performs an RT-PCR assay for influenza A, B, adenovirus and several other pathogens. Viral culture is also performed.
- NHRC is collaborating with developers of new rapid flu diagnostics in similar protocols with an aim to facilitate the availability of better FDA-approved point-of-care influenza assays. These studies are conducted under separate protocols, but reference data testing will be incorporated into future issues of this surveillance report.

## Scope of the Report

- This report represents cumulative influenza data generated under this protocol through June 7, 2012 (week 23).
- Number of samples collected and laboratory confirmed influenza cases are charted over time by week of collection. A positive case is defined as a study subject who provided a specimen that tested positive on an RT-PCR assay or by viral culture for influenza A or B.

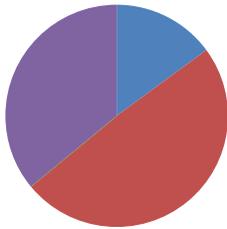
## Enrollment and Influenza Rates by Week of Enrollment (2012):



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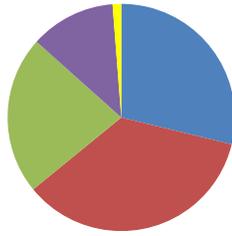
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Distribution of Subtypes Among Flu Positive Samples



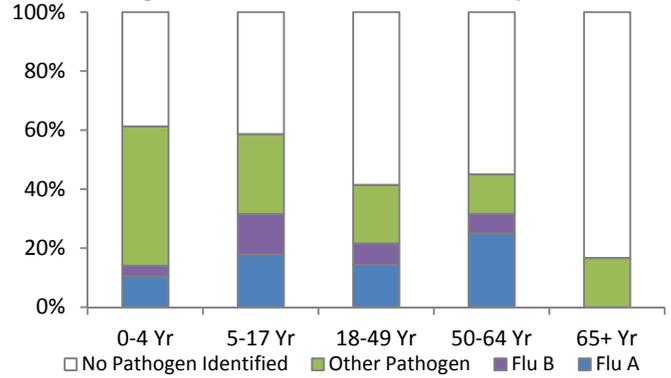
Flu A (pH1N1) 14.9%  
Flu A (H3) 49.1%  
Flu A (H1) 0.0%  
Flu B 36.0%

Age Distribution of Samples Collected



0-4 Yr  
5-17 Yr  
18-49 Yr  
50-64 Yr  
65+ Yr

Age Distribution and Results of Study



No Pathogen Identified  
RSV  
C.pneumo  
Adenovirus  
M.pneumo  
Rhinovirus  
Flu B  
Flu A (pH1N1)  
Flu A (H3)  
Flu A (H1)

