DON Influenza SITREP

2012-2013 Influenza Season
Week 8 (February 17, 2013 — February 23, 2013)

Laboratory Summary:

- There were 35 laboratory positive influenza results among DON beneficiaries during Week 8 (below seasonal baseline).
    - Top facilities: NMC San Diego (nine), NH Camp Lejeune (five), NH Yokosuka (five), Ft. Shafter (three).
- NMC San Diego has had the most cases this season (213), followed by NH Camp Lejeune (121) and NH Bremerton (92).
- In Week 8, 22 cases were positive by rapid test, eight by PCR, and four by culture. **More**

Antivirals:

- There were 96 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- Frequency of AV prescriptions during Week 8 remains above baseline. **More**

Inpatient:

- There were 19 inpatient influenza tests performed during Week 8; one was positive.
- Five inpatient AV prescriptions were dispensed in Week 8.
- One inpatient case was reported to DRSi this week. **More**

Vaccination:

94.9% of active duty Navy personnel have been vaccinated as of this week.

92.0% of active duty Marine Corps personnel have been vaccinated as of this week.

More

Active Duty & Recruits:

- There were four laboratory positive influenza cases among active duty service members in Week 8.
- There were no laboratory positive influenza cases among recruits in Week 8.
- ILI rates for LANT and PAC Fleets in Week 5 were 0.02% and 0.02%, respectively. **More**

Children:

- Laboratory influenza rates in the 0-4 and 5-17 age groups were 4.8 per 100,000 and 3.9 per 100,000, respectively.
- There were 43 AV prescriptions dispensed to children this week (44%). **More**

Coinfections:

- There were four coinfections identified among DON beneficiaries during Week 8. **More**

Pneumonia:

- There were two radiology-associated pneumonias identified among influenza cases since last report. **More**

In the News:

- See page 4 for this week's influenza news updates. **More**

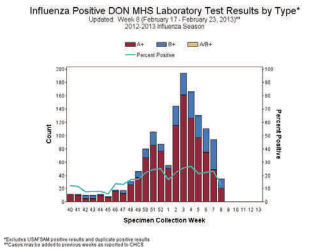
Additional Reports of Interest:

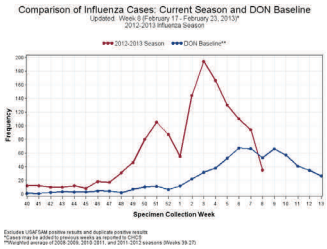
- The Clinical Epidemiology Division produced a midseason bacterial respiratory infections report. **More**

Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil

Laboratory Summary:

- There were 35 positive laboratory influenza results identified among DON beneficiaries in Week 8 (20 Type A, 15 Type B). One case was a dual infection.
- During Week 8, 12.9% of all influenza tests performed were positive.
  - This is lower than the percent of tests with positive results in Week 8 of last season (23.6%).
- The number of cases this week is below the seasonal baseline for the first time this season.
- In Week 8, 22 cases were positive by rapid test, eight were positive by PCR, and four were positive by culture.



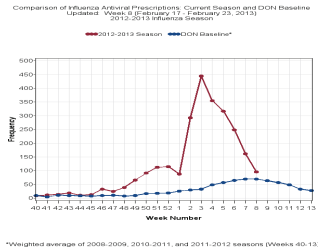


Frequency of Testing Types among Positive Influenza Tests				
	Rapid	**PCR**	**Culture**	**Unspecified**
Week 8	65%	23%	12%	—
Season	57%	22%	20%	1%

Back

Antivirals:

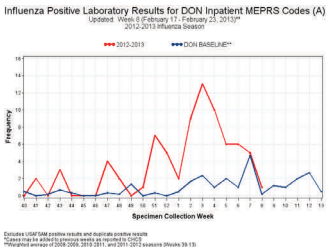
- There were 96 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir). Five of the antiviral prescriptions were in the inpatient setting.
- There have been 2,566 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (29 amantadine, 2,532 oseltamivir, one rimantadine, four zanamivir).
- Antiviral prescriptions continued to decrease during Week 8, but remain above seasonal baseline.



Back

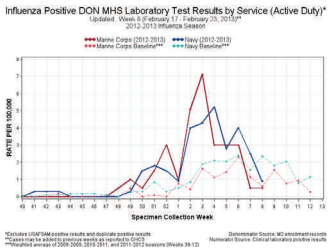
Inpatient:

- There were 19 inpatient influenza tests performed among DON beneficiaries in Week 8; one was positive (Type A by PCR). This case was not treated with antivirals.
  - The case was a male Navy retiree age 45+ at NMC San Diego.
- There were five AV medications prescribed in the inpatient setting this week (all oseltamivir).
  - Two cases this week were active duty personnel, a female Marine at NH Camp Pendleton and a female sailor at WRNMMC.
  - Other inpatient prescriptions were a 0-4 year old female child at NH Bremerton and two non-active duty sponsors age 45+ at NMC San Diego and NH Camp Pendleton.
- There was one inpatient case reported to DRSi since last week; there have been 18 inpatient cases reported to DRSi this season. The case reported this week was a female active duty service member at WRNMMC with onset during Week 7, previously identified in HL7 pharmacy surveillance efforts.



Back

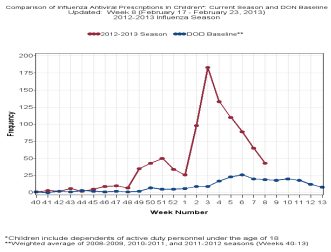
Active Duty & Recruits:



- There were four positive laboratory influenza results among DON active duty service members in Week 8 (one Marine Corps, three Navy). Three were Type A and one was Type B.
    - Landstuhl, NH Camp Lejeune, NHC Annapolis, and NMC San Diego each had one case.
    - Rates of influenza positive laboratory results are below baseline for Marine Corps and Navy active duty service members this week.
- There were no positive laboratory influenza results among DON recruits in Week 8.
- One Navy (WRNMMC) and one Marine Corps (NH Camp Pendleton) active duty service member received oseltamivir inpatient during Week 8.

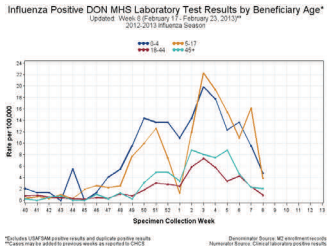
Back

Children:



- The rates of positive influenza results was highest in the 0-4 age group in Week 8 (4.8 per 100,000) followed by the 5-17 age group (3.9 per 100,000).
- There were 43 AV medications prescribed to children in Week 8. The number of AVs dispensed to children during Week 8 was remains above the seasonal baseline.

Other Age Groups:



- During Week 8, the laboratory influenza rates among the 18-44 and 45+ age groups were 0.9 and 2.1 per 100,000, respectively.

Back

Coinfections:

- There were four coinfections identified among three DON beneficiaries in Week 8 (two *Staphylococcus,* one *Haemophilus,* and one *Klebsiella*).
    - Among this week's cases was an inpatient male non-active duty sponsor at NMC San Diego with both *Klebsiella* and *Staphylococcus.*
    - Remaining cases were two male 5-17 year old children at NMC Portsmouth, one with *Haemophilus* and one with *Staphylococcus.*
- There have been 48 coinfections identified among DON beneficiaries this season (15 *Streptococcus*, 15 *Staphylococcus*, four *Escherichia*, two *Haemophilus,* two *Klebsiella,* and one each of *Lactobacillus*, *Moraxella*, *Mycobacterium*, *Neisseria*, *Propionibacterium*, *Proteus*, *Providencia*, *Pseudomonas*, *Serratia, Shigella*).

Back

Pneumonia:

- There have been two radiology-associated pneumonia cases since last report. One case occurred during Week 8 in a male non-active duty sponsor age 45+ at NMC San Diego and one case occurred during Week 7 in a female spouse age 45+ at NMC San Diego.
- There have been 21 radiology-associated pneumonias identified among DON influenza patients this season. Six cases were identified during Week 4 and four cases identified during Week 3.

Back

Vaccination:

- As of February 23, 2013, 94.9% of Navy and 92.0% of Marine Corps active duty service members have received an influenza vaccine.
- The Marine Corps active duty case in Week 8 was vaccinated more than 14 days prior to infection (LAIV).
- Two Navy active duty cases in Week 8 were vaccinated more than 14 days prior to infection (1 LAIV, 1 TIV). The third case was not vaccinated.
- The inpatient active duty case reported to DRSi this week was vaccinated more than 14 days prior to infection (LAIV).

Navy			
Component	**Total**	**Immunized***	**%**
Active Duty	312,877	296,825	94.9
Reserve	62,426	58,739	94.1
Marine Corps			
Component	**Total**	**Immunized***	**%**
Active Duty	195,740	180,079	92.0
Reserve	33,249	29,646	89.2

*Includes both injection and intranasal influenza vaccines.
Force strength for active duty and reserve forces was generated using the December 2012 Defense Manpower Data Center data.

Back

In the News:

- The CDC FluView for Week 7 reports that influenza activity is continuing to decrease in the US. Among several flu activity indicators, the percentage of doctor visits for influenza-like illness decreased for the fourth consecutive week and the percentage of respiratory specimens testing positive for influenza fell from 19.7% to 16.8%. **More**
- The overall adjusted estimate of seasonal influenza vaccine effectiveness (VE) in the US for the current season is 56%. The adjusted estimates indicate that the seasonal vaccine reduced the risk for outpatient visits resulting from influenza by approximately one-half to two-thirds for most persons. **More**
- WHO is recommending a new influenza B strain for next season's influenza vaccine based on the changing profile of circulating influenza B strains. **More**

Back

Additional Reports of Interest:

- The Clinical Epidemiology Division at the EDC completed an analysis of bacterial respiratory infections for the current influenza season through January 2013. Overall, patterns observed during the first half of the 2012-2013 flu season are similar to previous seasons. **More**