

DON Influenza SITREP

2012-2013 Influenza Season

Week 6 (February 3, 2013 — February 9, 2013)

Laboratory Summary:

- There were 83 laboratory positive influenza results among DON beneficiaries during Week 6 (above seasonal baseline).
 - Top facilities: NMC San Diego (33), NH Camp Lejeune (seven), NH Lemoore (five), NH Twentynine Palms (five), Ft. Belvoir (five)
- NMC San Diego has had the most cases this season (176), followed by NH Camp Lejeune (103) and NH Bremerton (83).
- In Week 6, 50 cases were positive by rapid test, 24 by PCR, and eight by culture. **More**

Antivirals:

- There were 247 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (246 oseltamivir, one zanamivir).
- Frequency of AV prescriptions during Week 6 remains above baseline. **More**

Inpatient:

- There were 28 inpatient influenza tests performed during Week 6; four were positive.
- 12 inpatient AV prescriptions were dispensed in Week 6.
- One inpatient case was reported to DRSi this week. **More**

Active Duty & Recruits:

- There were 16 laboratory positive influenza cases among active duty service members in Week 6.
- There were two laboratory positive influenza cases among recruits in Week 6.
- ILI rates for LANT and PAC Fleets in Week 5 were 0.01% and 0.06%, respectively. **More**

Children:

- Laboratory influenza rates in the 0-4 and 5-17 age groups were 10.9 per 100,000 and 8.4 per 100,000, respectively.
- There were 88 AV prescriptions dispensed to children this week (36%). **More**

Coinfections:

- There was one coinfection identified among DON beneficiaries during Week 6. **More**

Pneumonia:

- There were three 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**

Vaccination:

94.6% of active duty Navy personnel have been vaccinated as of this week.

91.3% of active duty Marine Corps personnel have been vaccinated as of this week.

More

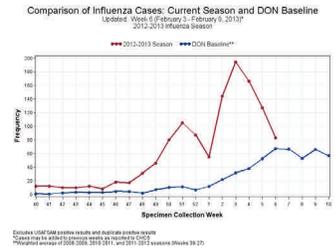
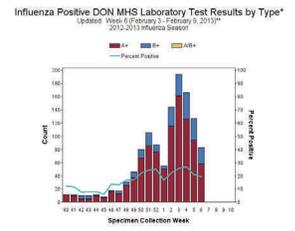
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Laboratory Summary:

- There were 83 positive laboratory influenza results identified among DON beneficiaries in Week 6 (58 Type A, 25 Type B). One case was a dual infection.
- During Week 6, 19.5% of all influenza tests performed were positive.
 - This is lower than the percent of tests with positive results in Week 6 of last season (20.8%).
- The number of cases this week remains above the seasonal baseline, but has decreased since Week 3.
- In Week 6, 50 cases were positive by rapid test, 24 were positive by PCR, and 8 were positive by culture.

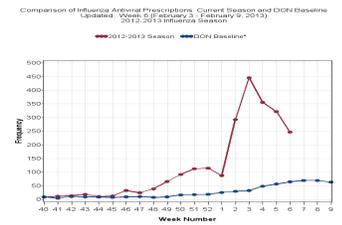
Frequency of Testing Types among Positive Influenza Tests				
	Rapid	PCR	Culture	Unspecified
Week 6	61%	29%	10%	—
Season	58%	21%	20%	1%



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Antivirals:

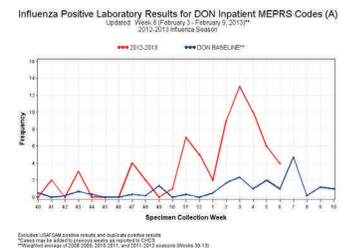
- There were 247 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (246 oseltamivir, one zanamivir). 12 of the antiviral prescriptions were in the inpatient setting.
- There have been 2,313 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (25 amantadine, 2,283 oseltamivir, one rimantadine, four zanamivir).
- Antiviral prescriptions decreased during Week 6, but remain above seasonal baseline.



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Inpatient:

- There were 28 inpatient influenza tests performed among DON beneficiaries in Week 6; four tests were positive (three Type A, one Type B). All four of these cases were treated with antivirals.
 - Male Marine Corps recruit, age 18-44, positive for Type B by PCR at NMC San Diego.
 - Female Marine Corps child, age 0-4, positive for Type A by rapid test at NH Twentynine Palms.
 - The remaining two cases were Navy spouses at NMC San Diego positive for Type A by PCR.
- There were 12 AV medications prescribed in the inpatient setting this week (all oseltamivir).
 - The majority of this week's inpatient prescriptions were dispensed to female spouses age 45+ at NMC San Diego.
- There was one inpatient case reported to DRSi since last week; there have been 14 inpatient cases reported to DRSi this season. The case was a female active duty patient at NH Pensacola with onset during Week 6 not previously identified in HL7 surveillance efforts.
- Five (8.1%) of all laboratory positive inpatient cases have been reported to DRSi this season.

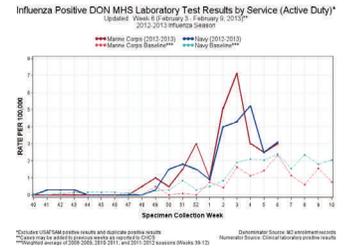


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Active Duty & Recruits:

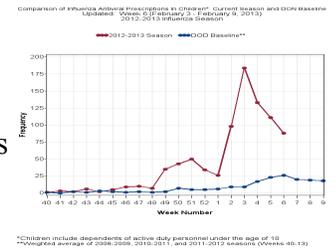
- There were 16 positive laboratory influenza results among DON active duty service members in Week 6 (six Marine Corps, 10 Navy). 15 were Type A and one was Type B.
 - Cases were identified in eight different facilities, including NMC San Diego (seven) and NHC Hawaii (three).
 - Rates of influenza positive laboratory results are above baseline for Marine Corps and Navy active duty service members this week.
- There were two positive laboratory influenza results among DON recruits in Week 6. Both cases were male Marine Corps recruits at NMC San Diego. One recruit case was an inpatient case.
- One Marine Corps active duty service member received oseltamivir inpatient at NMC San Diego during Week 6.
- One Marine Corps recruit received oseltamivir inpatient at NMC San Diego during Week 6.



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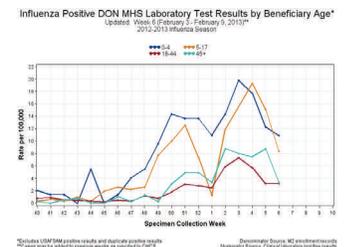
Children:

- The rates of positive influenza results was highest in the 0-4 age group in Week 6 (10.9 per 100,000) followed by the 5-17 age group (8.4 per 100,000).
- There were 88 AV medications prescribed to children in Week 6. The number of AVs dispensed to children during Week 6 was remains above the seasonal baseline.



Other Age Groups:

- During Week 6, the laboratory influenza rates among the 18-44 and 45+ age groups were 3.1 and 3.4 per 100,000, respectively.



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Coinfections:

- There was one coinfection identified among DON beneficiaries in Week 6 (*Streptococcus*).
 - This week's case was a male non-active duty outpatient sponsor at NMC San Diego.
 - There were no active duty cases identified during Week 6.
- There have been 39 coinfections identified among DON beneficiaries this season (13 *Staphylococcus*, 13 *Streptococcus*, three *Escherichia*, and one each of *Klebsiella*, *Lactobacillus*, *Moraxella*, *Neisseria*, *Propionibacterium*, *Proteus*, *Providencia*, *Pseudomonas*, *Serratia*, *Shigella*).

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Pneumonia:

- There have been three radiology-associated pneumonia cases since last report. Two cases during Week 5 were a female spouse age 45 + at NMC San Diego and a male child age 5-17 at NMC San Diego. An additional case was identified from Week 4 in a male non-active duty sponsor age 45+ at NH Bremerton. There have been no cases identified among Week 6 influenza cases, to date.
- There have been 16 radiology-associated pneumonias identified among DON influenza patients this season. Five cases were identified during Week 4 and four cases identified during Week 3.

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Vaccination:

- As of February 9, 2013, 94.6% of Navy and 91.3% of Marine Corps active duty service members have received an influenza vaccine.
- Five of the six Marine Corps active duty cases in Week 6 were vaccinated more than 14 days prior to infection (three LAIV, two TIV). The remaining case was not vaccinated.
- Nine of the ten Navy active duty cases in Week 6 were vaccinated more than 14 days prior to infection (four LAIV, five TIV). The remaining case was not vaccinated.
- The two Marine Corps recruit cases in Week 6 were not vaccinated.
- The inpatient active duty case reported to DRSi this week was not vaccinated this season.

Navy			
Component	Total	Immunized*	%
Active Duty	312,877	295,916	94.6
Reserve	62,426	58,534	93.8

Marine Corps			
Component	Total	Immunized*	%
Active Duty	195,740	178,758	91.3
Reserve	33,249	29,402	88.4

*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.

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In the News:

- The CDC FluView report for Week 5 notes that influenza activity in the US remains elevated, but is decreasing in some areas. The proportion of outpatient visits for influenza-like illness (3.6%) remains above the national baseline of 2.2%. [More](#)
- Federal health officials testified on Capitol Hill that the nation has much better influenza defenses today than it did 10 years ago, but predict that a “universal” flu vaccine is still 5-10 years away. [More](#)
- Study shows age-related differences in influenza vaccination response, suggesting that vaccines may work differently in older people. [More](#)

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