

# DON Influenza SITREP

2012-2013 Influenza Season

Week 4 (January 20, 2013 — January 26, 2013)

## Laboratory Summary:

- There were 132 laboratory positive influenza results among DON beneficiaries during Week 4 (above seasonal baseline).
  - Top facilities: NMC San Diego (32), NH Bremerton (12), NH Camp Lejeune (nine), NH Lemoore (seven), Ft. Sam Houston (six), NH Yokosuka (six).
- NMC San Diego has had the most cases this season (99), followed by NH Camp Lejeune (86) and NH Bremerton (67).
- In Week 4, 75 cases were positive by rapid test, 43 by PCR, and 14 by culture. **More**

## Antivirals:

- There were 327 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (four amantadine, 323 oseltamivir).
- Frequency of AV prescriptions during Week 4 was six times above baseline. **More**

## Inpatient:

- There were 30 inpatient influenza tests performed during Week 4; seven were positive.
- 27 inpatient AV prescriptions were dispensed in Week 4.
- Two inpatient cases were reported to DRSi this week. **More**

## Vaccination:

94.0% of active duty Navy personnel have been vaccinated as of this week.

90.3% of active duty Marine Corps personnel have been vaccinated as of this week.

**More**

## Active Duty & Recruits:

- There were 15 laboratory positive influenza cases among active duty service members in Week 4.
- There was one laboratory positive influenza case among recruits in Week 4.
- ILI rates for LANT and PAC Fleets in Week 4 were 0.02% and 0.03%, respectively. **More**

## Children:

- Laboratory influenza rates in the 0-4 and 5-17 age groups were 15.0 per 100,000 and 15.8 per 100,000, respectively.
- There were 126 AV prescriptions dispensed to children this week (38.5%). **More**

## Coinfections:

- There were eight coinfections identified among DON beneficiaries during Week 4. **More**

## Pneumonia:

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

## In the News:

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

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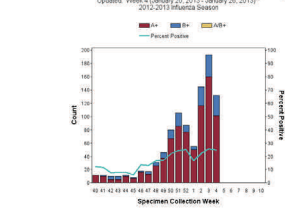


## Laboratory Summary:

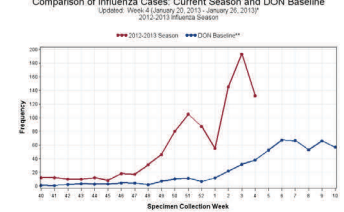
- There were 132 positive laboratory influenza results identified among DON beneficiaries in Week 4 (101 Type A, 31 Type B).
- During Week 4, 24.7% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 4 of last season (8.2%).
- The number of cases this week remains above the seasonal baseline.
- In Week 4, 75 cases were positive by rapid test, 43 were positive by PCR, and 14 were positive by culture.

Frequency of Testing Types among Positive Influenza Tests				
	Rapid	PCR	Culture	Unspecified
<b>Week 4</b>	57%	33%	10%	—
<b>Season</b>	61%	19%	19%	1%

Influenza Positive DON MHS Laboratory Test Results by Type\*



Comparison of Influenza Cases: Current Season and DON Baseline

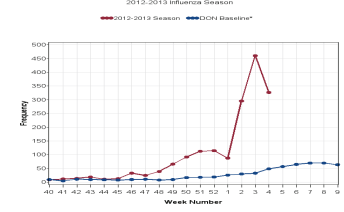


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## Antivirals:

- There were 327 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (four amantadine, 323 oseltamivir). 27 of the antiviral prescriptions were in the inpatient setting.
- There have been 1,733 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (24 amantadine, 1,706 oseltamivir, three zanamivir).
- The number of AV medications dispensed during Week 4 was more than six times the seasonal baseline.

Comparison of Influenza Antiviral Prescriptions: Current Season and DON Baseline

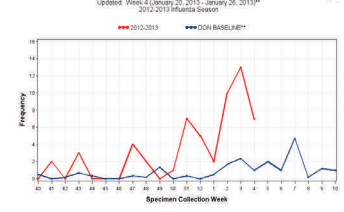


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## Inpatient:

- There were 30 inpatient influenza tests performed among DON beneficiaries in Week 4; seven tests were positive (five Type A, two Type B). Four of these cases (57.1%) were treated with antivirals.
  - All cases were age 45+ (five retirees and two family members).
  - Four cases were at NMC San Diego, and one each were at Ft. Belvoir, NH Bremerton, NMC San Diego, and Keesler AFB.
- There were 27 AV medications prescribed in the inpatient setting this week (all oseltamivir).
  - The majority of this week's inpatient prescriptions were dispensed to non-active duty sponsors age 45+ at NMC San Diego. Six were dispensed to children age 0-4 and one to a child age 5-17.
- There were two inpatient cases reported to DRSi since last week; there have been 12 inpatient cases reported to DRSi this season. One case was a female child age 5-17 with onset last week at NH Bremerton not previously identified in HL7 surveillance efforts. The second case, a 45+ year old male non-active duty sponsor with onset during Week 4 at Ft. Belvoir Community Hospital was previously identified in laboratory and pharmacy surveillance.

Influenza Positive Laboratory Results for DON Inpatient MEPRS Codes (A)

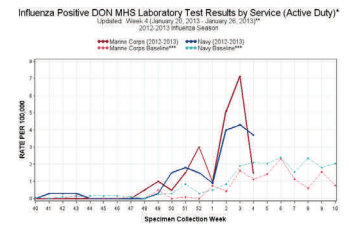


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## Active Duty & Recruits:

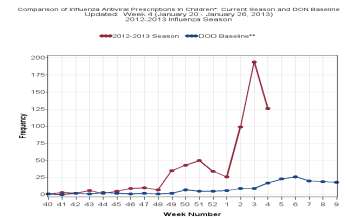
- There were 15 positive laboratory influenza results among DON active duty service members in Week 4 (three Marine Corps, 12 Navy). All were Type A.
  - Cases were identified in 10 different facilities, including NMC San Diego (four) and NHC Corpus Christi (two).
  - Rates of influenza positive laboratory results are above baseline for Marine Corps and Navy active duty service members this week.
- There was one positive laboratory influenza result among DON recruits in Week 4 (Marine Corps). The case was Type A positive by rapid test at NH Beaufort.
- One Navy active duty service member received oseltamivir inpatient at Ft. Lewis during Week 4.
- One Marine Corps recruit received oseltamivir inpatient at NMC San Diego during Week 4.



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## Children:

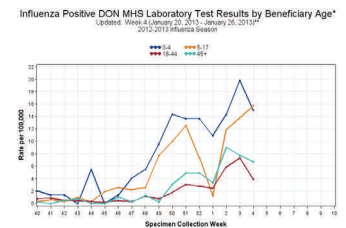
- The rates of positive influenza results in the 0-4 and 5-17 age groups were very similar in Week 4 (15.0 and 15.8 per 100,000, respectively).
- There were 126 AV medications prescribed to children in Week 4. The number of AVs dispensed to children during Week 4 was seven times higher than the seasonal baseline.



\*Children include dependents of active duty personnel (under the age of 18).  
 \*\*Average number of prescriptions dispensed to children (0-17) from 2010-2011 and 2011-2012 influenza seasons. (Source: 40-133)

## Other Age Groups:

- During Week 4, the laboratory influenza rates among the 18-44 and 45+ age groups were 3.9 and 6.7 per 100,000, respectively.



\*Includes USFMM positive results and baseline testing results.  
 \*\*Source: 40-133. Includes all active duty personnel.

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## Coinfections:

- There were eight coinfections among DON beneficiaries in Week 4 (three *Staphylococcus*, two *Streptococcus*, and one each of *Propionibacterium*, *Providencia*, *Shigella*).
  - No coinfections were identified among inpatient cases.
  - Two outpatient cases were in children (male age 5-17 with *Staphylococcus* at WRNMMC and female age 5-17 with *Streptococcus* at NMC San Diego)
  - There was one active duty case of *Shigella* at Ft. Lewis.
- There have been 34 coinfections identified among DON beneficiaries this season (12 *Staphylococcus*, 11 *Streptococcus*, and one each of *Escherichia*, *Klebsiella*, *Lactobacillus*, *Moraxella*, *Neisseria*, *Propionibacterium*, *Proteus*, *Providencia*, *Serratia*, *Shigella*).

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## Pneumonia:

- There have been three radiology-associated pneumonia cases since last report. Two cases during Week 4 were a female spouse age 45 + at Wright-Patterson and a male child age 0-4 at NH Lemoore. An additional case was identified from Week 3 in a female spouse age 45 + at NMC San Diego.
- There have been ten radiology-associated pneumonias identified among DON influenza patients this season. Three cases were identified during Week 3 and two cases were identified during both Week 51 and Week 4.

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## Vaccination:

- As of January 26, 2013, 94.0% of Navy and 90.3% of Marine Corps active duty service members have received an influenza vaccine.
- All three Marine Corps active duty cases in Week 4 were vaccinated more than 14 days prior to infection (all LAIV)
- 11 of the Navy active duty cases in Week 4 were vaccinated more than 14 days prior to infection (seven LAIV, three TIV, one non-specific vaccine type). One case was not vaccinated.
- The Marine Corps recruit case was vaccinated more than 14 days prior to infection (LAIV).

Navy			
Component	Total	Immunized*	%
Active Duty	313,230	294,507	94.0
Reserve	62,391	58,002	93.0

Marine Corps			
Component	Total	Immunized*	%
Active Duty	196,665	177,565	90.3
Reserve	33,288	29,198	87.7

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

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## In the News:

- CDC warns that the current flu season is taking its heaviest toll on persons 65 and older. Physicians are encouraged to treat patients with antivirals as early as possible in this high risk population. [More](#)
- Influenza activity remained elevated in the US in Week 3, but decreased in some areas. The proportion of deaths attributed to pneumonia and influenza was above the epidemic threshold. [More](#)
- WHO reports for Weeks 52 and 1 that influenza activity continued to increase in the northern hemisphere, with no oseltamivir or zanamivir resistant viruses reported to date for the current season. [More](#)
- Influenza activity remains high and continues to increase in Europe, although transmission may have peaked in some countries. [More](#)

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