

DON Influenza SITREP

2012-2013 Influenza Season

Week 7 (February 10, 2013 — February 16, 2013)

Laboratory Summary:

- There were 85 laboratory positive influenza results among DON beneficiaries during Week 7 (above seasonal baseline).
 - Top facilities: NMC San Diego (23), NH Camp Lejeune (10), NH Bremerton (six), NHC Hawaii (four), NHC Quantico (four)
- NMC San Diego has had the most cases this season (204), followed by NH Camp Lejeune (115) and NH Bremerton (89).
- In Week 7, 56 cases were positive by rapid test, 17 by PCR, 10 by culture, and one had an unspecified test type. **More**

Antivirals:

- There were 159 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (four amantadine, 155 oseltamivir).
- Frequency of AV prescriptions during Week 7 remains above baseline. **More**

Inpatient:

- There were 22 inpatient influenza tests performed during Week 7; five were positive.
- 11 inpatient AV prescriptions were dispensed in Week 7.
- Three inpatient cases were reported to DRSi this week. **More**

Vaccination:

94.7% of active duty Navy personnel have been vaccinated as of this week.

91.7% of active duty Marine Corps personnel have been vaccinated as of this week.

More

Active Duty & Recruits:

- There were seven laboratory positive influenza cases among active duty service members in Week 7.
- There were no laboratory positive influenza cases among recruits in Week 7.
- ILI rates for LANT and PAC Fleets in Week 5 were 0.01% and 0.02%, respectively. **More**

Children:

- Laboratory influenza rates in the 0-4 and 5-17 age groups were 8.2 per 100,000 and 14.8 per 100,000, respectively.
- There were 64 AV prescriptions dispensed to children this week (40%). **More**

Coinfections:

- There were five coinfections identified among DON beneficiaries during Week 7. **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**

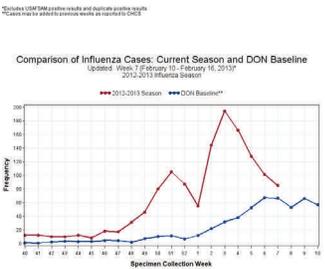
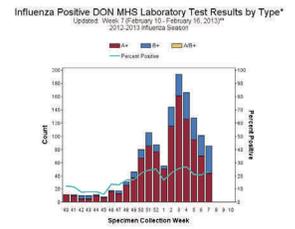
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Laboratory Summary:

- There were 85 positive laboratory influenza results identified among DON beneficiaries in Week 7 (44 Type A, 41 Type B). One case was a dual infection.
- During Week 7, 23.1% of all influenza tests performed were positive.
 - This is higher than the percent of tests with positive results in Week 7 of last season (19.5%).
- The number of cases this week remains above the seasonal baseline, but has decreased since Week 3.
- In Week 7, 56 cases were positive by rapid test, 17 were positive by PCR, 10 were positive by culture, and one was an unspecified test type.

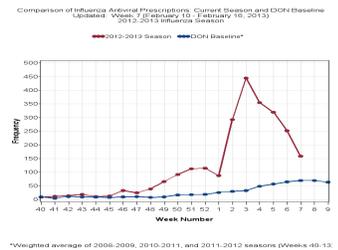
Frequency of Testing Types among Positive Influenza Tests				
	Rapid	PCR	Culture	Unspecified
Week 7	67%	20%	12%	1%
Season	58%	21%	20%	1%



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Antivirals:

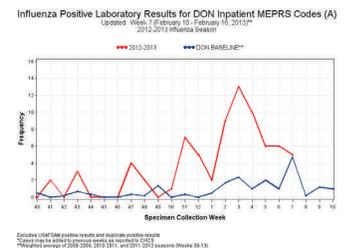
- There were 159 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (four amantadine, 155 oseltamivir). 11 of the antiviral prescriptions were in the inpatient setting.
- There have been 2,473 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (29 amantadine, 2,439 oseltamivir, one rimantadine, four zanamivir).
- Antiviral prescriptions continued to decrease during Week 7, but remain above seasonal baseline.



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Inpatient:

- There were 22 inpatient influenza tests performed among DON beneficiaries in Week 7; five tests were positive (two Type A, three Type B). Two of these cases were treated with antivirals (both oseltamivir).
 - Three cases were male Navy children, one each at NMC San Diego, Walter Reed, and NMC Portsmouth.
 - The remaining cases were a female Navy spouse and a male Navy retiree at NMC San Diego.
- There were 11 AV medications prescribed in the inpatient setting this week (one amantadine, 10 oseltamivir).
 - Four cases this week were children age 0-4 prescribed oseltamivir at NMC San Diego, NMC Portsmouth, NH Camp Lejeune, and NH Bremerton.
 - One case was a male non-active duty sponsor age 45+ prescribed amantadine at NMC San Diego.
- There were three inpatient case reported to DRSi since last week; there have been 17 inpatient cases reported to DRSi this season. The cases reported this week were a female child age 5-17 at NH Rota and an active duty service member at NH Great Lakes with onset during Week 6 and a male child age 5-17 at WRNMMC with onset during Week 7. All three cases were previously identified in HL7 laboratory surveillance efforts.
- Five (8.1%) of all laboratory positive inpatient cases have been reported to DRSi this season.

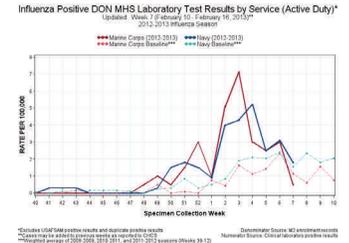


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Active Duty & Recruits:

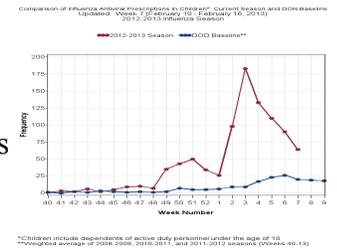
- There were seven positive laboratory influenza results among DON active duty service members in Week 7 (one Marine Corps, six Navy). Five were Type A and two was Type B.
 - Three cases were at NHC Hawaii. NH Camp Lejeune, NH Naples, NH Yokosuka, and Ft. Shafter had one case each.
 - Rates of influenza positive laboratory results are below baseline for Marine Corps and above baseline for Navy active duty service members this week.
- There were no positive laboratory influenza results among DON recruits in Week 7.
- One Marine Corps active duty service member received oseltamivir inpatient at NMC San Diego during Week 7.



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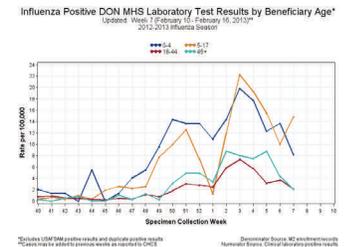
Children:

- The rates of positive influenza results was highest in the 5-17 age group in Week 7 (14.8 per 100,000) followed by the 0-4 age group (8.2 per 100,000).
- There were 64 AV medications prescribed to children in Week 7. The number of AVs dispensed to children during Week 7 was remains above the seasonal baseline.



Other Age Groups:

- During Week 7, the laboratory influenza rates among the 18-44 and 45+ age groups were both 2.1 per 100,000.



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Coinfections:

- There were five coinfections identified among DON beneficiaries in Week 7 (two *Streptococcus*, one each of *Escherichia*, *Mycobacterium*, *Haemophilus*).
 - Among this week's cases were a male recruit at NH Great Lakes (*Haemophilus*) and a male active duty service member at NH Beaufort (*Streptococcus*).
 - Remaining cases were female spouses age 18-44 at NMC San Diego (*Mycobacterium*) and WRNMMC (*Streptococcus*) and a female child age 5-17 at NHC Quantico (*Escherichia*).
- There have been 44 coinfections identified among DON beneficiaries this season (13 *Streptococcus*, 13 *Staphylococcus*, four *Escherichia*, and one each of *Haemophilus*, *Klebsiella*, *Lactobacillus*, *Moraxella*, *Mycobacterium*, *Neisseria*, *Propionibacterium*, *Proteus*, *Providencia*, *Pseudomonas*, *Serratia*, *Shigella*).

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Pneumonia:

- There have been two radiology-associated pneumonia cases since last report. One case occurred during Week 7 in a male child age 0-4 at NH Jacksonville and one case occurred during Week 6 in a male recruit age 18-44 at BMC MCRD San Diego.
- There have been 19 radiology-associated pneumonias identified among DON influenza patients this season. Six cases were identified during Week 4 and four cases identified during Week 3.

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Vaccination:

- As of February 16, 2013, 94.7% of Navy and 91.7% of Marine Corps active duty service members have received an influenza vaccine.
- The Marine Corps active duty case in Week 7 was vaccinated more than 14 days prior to infection (TIV).
- All six Navy active duty cases in Week 7 were vaccinated more than 14 days prior to infection (four TIV, two LAIV).
- The inpatient active duty case reported to DRSi this week was vaccinated more than 14 days prior to infection (TIV).

Navy			
Component	Total	Immunized*	%
Active Duty	312,877	296,365	94.7
Reserve	62,426	58,666	94.0

Marine Corps			
Component	Total	Immunized*	%
Active Duty	195,740	179,740	91.7
Reserve	33,249	29,617	89.1

*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's FluView report for Week 6 indicates that influenza activity remains elevated, but there is an overall downward trend in activity. It is likely that influenza-like illness has peaked for the season, although activity may still continue for some time. [More](#)
- European influenza vaccine studies report that this year's influenza vaccine is providing good protection against Type B, but only moderate protection against Type A. These findings are consistent with earlier results in the US. [More](#)

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