

DON Influenza SITREP

2012-2013 Influenza Season

Week 52 (December 23 — December 29, 2012)

Laboratory Summary:

- There were 66 laboratory positive influenza results among DON beneficiaries during Week 52 (above seasonal baseline).
 - Top facilities: NH Camp Lejeune (10), NH Bremerton (eight), NH Beaufort (six), Walter Reed (five), NH Jacksonville (four), and NHC Charleston (four).
- NH Pensacola has had the most cases this season (44).
- 54 cases were positive by rapid test, five by PCR, and five by culture. **More**

Antivirals:

- There were 105 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- The frequency of AV prescriptions during Week 52 was above the seasonal baseline. **More**

Inpatient:

- There were 23 inpatient influenza tests performed during Week 52; two were positive.
- Seven inpatient AV prescriptions were dispensed in Week 52.
- No inpatient cases were reported to DRSi this week. **More**

Vaccination:

92.4% of active duty Navy personnel have been vaccinated as of this week.

87.0% 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 52.
- The ILI rate remains low for both LANT and PAC Fleets (0.0% each). **More**

Children:

- Laboratory influenza rates in the 0-4 and 5-17 age groups were 12.3 per 100,000 and 6.4 per 100,000, respectively.
- There were 33 AV prescriptions dispensed to children this week (31.4%). **More**

Additional Information:

- There was one coinfection identified this week.
- There were two radiology-associated pneumonias identified among influenza patients since last week's report. **More**

In the News:

- Influenza markers are continuing to climb in the US, Canada, and Europe. **More**
- In an article reported by *The Washington Post*, CDC experts say that this flu season is off to its earliest start in over a decade, but one promising note is that circulating strains are matching well to this year's vaccine. **More**

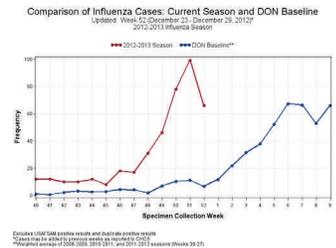
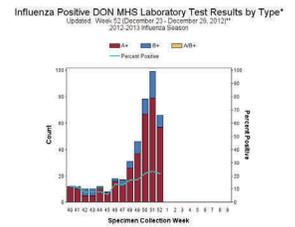
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil



Laboratory Summary:

- There were 66 positive laboratory influenza results identified among DON beneficiaries in Week 52 (57 Type A, nine Type B). Two patients had dual infections.
- During Week 52, 21.7% of all influenza tests performed were positive.
 - This is higher than the percent of tests with positive results in Week 52 of last season (0%).
- The number of cases this week remains above the seasonal baseline.
- In Week 52, 56 cases were positive by rapid test, five were positive by PCR, and five were positive by culture.

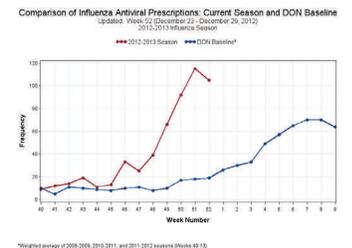
Frequency of Testing Types among Positive Influenza Tests				
	Rapid	PCR	Culture	Unspecified
Week 52	84%	8%	8%	—
Season	70%	8%	21%	1%



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Antivirals:

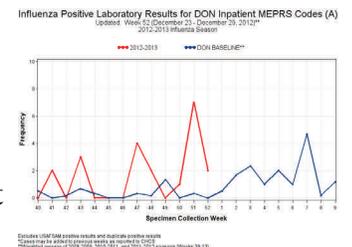
- There were 105 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir). Seven of the antiviral prescriptions were in the inpatient setting.
- There have been 553 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (16 amantadine, 537 oseltamivir).
- The number of AV medications dispensed during Week 52 was above the seasonal baseline.



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Inpatient:

- There were 23 inpatient influenza tests performed among DON beneficiaries in Week 52; two were positive (one Type A, one Type B)
 - The Type A case was a Navy female spouse, age 45+, positive by rapid test at Ft. Sam Houston.
 - The Type B case was a Marine Corps male child, age 5-17, positive by PCR at NMC San Diego.
- There were seven AV medications prescribed in the inpatient setting this week (all oseltamivir).
 - The majority of this week's inpatient prescriptions were dispensed to male children age 0-4 and 5-17 (42.8%). NH Bremerton and NMC Portsmouth had the most inpatient AV prescriptions this week (two each).
- There were no inpatient cases reported to DRSi since last week; there have been five inpatient cases reported to DRSi this season.
- There was no coinfections among inpatient laboratory cases this week.



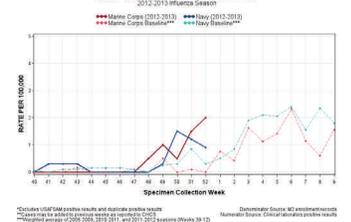
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Active Duty & Recruits:

- There were seven positive laboratory influenza results among DON active duty service members in Week 52 (four Marine Corps, three Navy). All cases were Type A and were positive by rapid test. Cases were identified at NH Camp Lejeune (three), NH Beaufort (two), NH Bremerton (one), and NH Naples (one).
 - Rates of influenza positive laboratory results are above baseline for Marine Corps and Navy active duty service members this week.
- No influenza positive laboratory results have been identified in DON recruits since Week 41.

Influenza Positive DON MHS Laboratory Test Results by Service (Active Duty)*

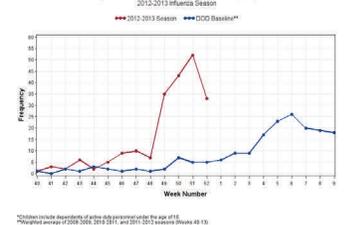


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Children:

- The rate of positive influenza results in Week 52 was highest in the 0-4 age group, at 12.3 per 100,000. The rate in the 5-17 age group was 6.4 per 100,000.
- There were 33 AV medications prescribed to children in Week 52. The number of AVs dispensed to children during Week 52 was higher than the seasonal baseline.

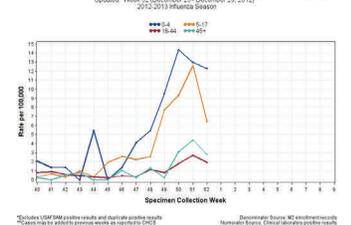
Comparison of Influenza Antiviral Prescriptions in Children* Current Season and DON Baseline



Other Age Groups:

- During Week 52, the laboratory influenza rates among the 18-44 and 45+ age groups were 1.9 and 2.8 per 100,000, respectively.

Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age*



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Coinfections:

- There was one coinfection identified in DON beneficiaries during Week 52 (*Staphylococcus*).
 - This week's case was an outpatient male child at NH Camp Lejeune.
- There have been eight coinfections identified among DON beneficiaries this season (five *Staphylococcus*, three *Streptococcus*).

Pneumonia:

- There were two radiology-associated pneumonia cases identified among DON influenza cases since last report, both at Ft. Sam Houston.
 - The first case, laboratory positive during Week 51, was an 18-44 year old female spouse.
 - The second case, laboratory positive during Week 52, was a 45+ year old female spouse.
- There have been four radiology-associated pneumonias identified among DON influenza patients this season. Two of these cases were identified during Week 51.

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Vaccination:

- As of December 29, 2012, 92.4% of Navy and 87.0% of Marine Corps active duty service members have received an influenza vaccine.
- Vaccination status for the four Marine Corps active duty cases during Week 52:
 - Three cases received a vaccine more than 14 days prior to infection (one LAIV, two TIV)
 - One case was not vaccinated.
- Vaccination status for the three Navy active duty cases during Week 52:
 - Two cases received a vaccine more than 14 days prior to infection (both LAIV)
 - One case was not vaccinated.

Navy			
Component	Total	Immunized*	%
Active Duty	313,243	289,450	92.4
Reserve	62,959	57,077	90.7

Marine Corps			
Component	Total	Immunized*	%
Active Duty	197,482	171,856	87.0
Reserve	33,330	27,864	83.6

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

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Additional Reports of Interest:

- The Communicable Disease Division at the EDC completed an annual summary of influenza surveillance efforts. The report provides detailed descriptions of influenza activity among DON beneficiaries during the 2011-2012 influenza season. Last season was characterized by a late start to influenza activity and decreased overall case volume, which was also observed among DOD beneficiaries. [More](#)

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