

# DON Influenza SITREP

2014-2015 Influenza Season  
Week 2 (11 January 2015 — 17 January 2015)

## Influenza Activity and Surveillance

### Laboratory:

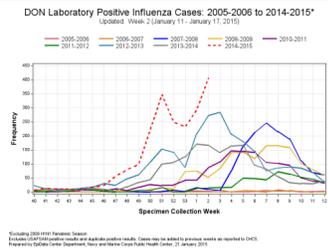
There were 406 laboratory positive influenza results among DON beneficiaries during Week 2, increasing to more than *twice* the seasonal baseline. **More**

### Antivirals:

Influenza-specific antivirals (AV) also continued to increase compared to the previous week; a total of 835 AV medications were prescribed to DON beneficiaries during Week 2, over *three times* the seasonal baseline. Recruits at NH Beaufort—MCRD Parris Island received 111 AV prescriptions this week (13.3%) **More**

### Influenza-Like Illness:

Overall, 4.9% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to the seasonal baseline. **More**



## Severity Indicators

### Inpatient:

Eleven of the 61 inpatient influenza tests performed during Week 2 were positive. Forty inpatient AV prescriptions were dispensed this week. Four inpatient cases were reported to DRSi this week. **More**

### Coinfections:

There were 18 bacterial coinfections identified among DON beneficiaries since our last report. **More**

## Vaccination

92.0% of Navy and 88.2% of Marine Corps active duty service members have received an influenza vaccine (as of 17 January 2015). **More**

## Select Populations

### Active Duty & Recruits:

In Week 2, 65 Navy and 24 Marine Corps active duty service members had laboratory positive influenza results. Eight recruits (4 Navy, 4 Marine Corps) had a positive influenza laboratory test. **More**  
NHRC reports febrile respiratory illness (FRI) rates at Navy and Marine Corps recruit training facilities were at or below expected values during Week 2. **More**

### Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 44.5 and 38.6 per 100,000, respectively. There were 263 AV prescriptions dispensed to children this week; almost *three times* the seasonal baseline. **More**

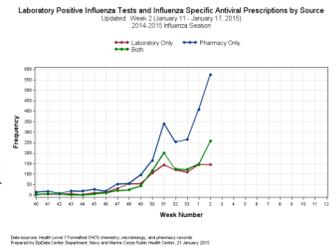
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



## Case Identification:

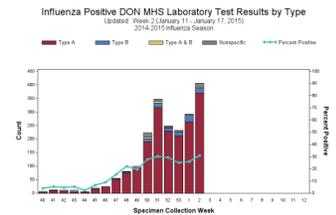
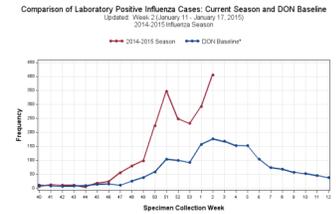
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 25.0% of all individuals with laboratory-confirmed influenza or prescription for influenza-specific antiviral were identified through both laboratory and pharmacy data sources.
- Among patients receiving AV prescriptions, 31.0% this week and 32.0% this season had positive laboratory results.



## Laboratory:

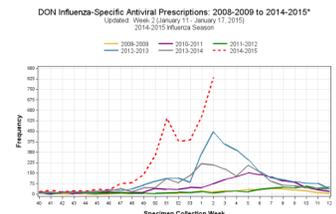
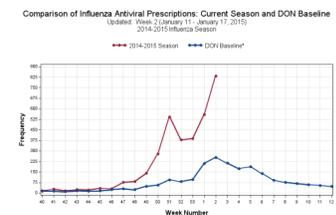
- There were 406 positive influenza laboratory results identified among DON beneficiaries in Week 2 (370 type A, 17 type B, type A&B, 15 non-specific).
  - The number of cases this week was more than *twice* the seasonal baseline.
  - Thirty percent of all influenza tests performed were positive; this is almost twice the positivity during Week 2 of last season. The majority of laboratory positives were rapid (72.9%) or PCR (22.2%) tests.
- The most laboratory positive cases this week occurred at NMC San Diego (75), San Antonio MMC (31), NH Yokosuka (26), NH Camp Pendleton (23), and WRNMMC (20).
- Since Week 40, 2,075 positive laboratory results have been identified among DON beneficiaries; NH Camp Lejeune has the most cumulative cases (231), followed by NH Jacksonville (227), NMC San Diego (221), and San Antonio MMC (102).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
<b>Week 2</b>	72.9%	4.9%	22.2%	0.0%	0.0%
<b>Season</b>	67.9%	11.1%	21.0%	0.0%	0.0%

## Antivirals:

- There were 835 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (2 amantadine, 833 oseltamivir).
- Antiviral prescriptions during Week 2 increased compared to the previous week to almost *three times* the seasonal baseline.
- Forty of the antiviral prescriptions during Week 2 were in the inpatient setting.
- There have been 3,457 AVs prescribed to DON beneficiaries this season (3,442 oseltamivir, 15 amantadine).
- Recruits at NH Beaufort—MCRD Parris Island received 111 oseltamivir prescriptions (13.3%) during Week 2. The first AV was dispensed to a recruit with a positive laboratory test the day after a recruit was hospitalized (DRSi MER indicates Influenza type A positive). The remaining 110 recruits were not associated with positive laboratory tests, and provider notes indicate dosing for influenza prophylaxis. The majority (91.0%) of recruits were vaccinated, but not immune (less than 14 days before their AV prescription).

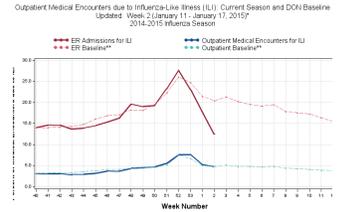


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## Influenza-Like Illness:

- During Week 2, 4.9% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this was comparable to the seasonal baseline.
- Among ER visits, 12.5% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the seasonal baseline.



## Immunizations

### Vaccination Coverage:

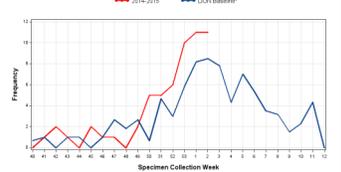
- 92.0% of Navy and 88.2% of Marine Corps active duty service members have received an influenza vaccine. Reserve vaccination rates are slightly below the rates of active duty service members (91.7% Navy, 85.3% Marine Corps). **More**
- A total of 348 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (83.6%) were vaccinated at least 14 days prior to infection. **More**

## Severity Indicators

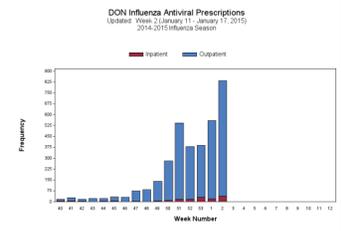
### Inpatient Surveillance:

- There were 61 inpatient influenza tests performed among DON beneficiaries in Week 2; 11 were positive.
  - All of this week's cases were influenza type A (one 5-17 year old, one 18-44 year old, and nine 45+ years or older).
- Forty of the antiviral prescriptions during Week 2 were in the inpatient setting, *twice* the number of inpatient prescriptions as last week.
  - The majority of inpatient prescriptions were dispensed at NMC San Diego (13), NMC Portsmouth (6), NH Camp Pendleton (4), and NH Jacksonville (4).
  - Inpatient AVs were dispensed to patients across all age groups: 0-4 (10), 5-17 (1), 18-44 (8), 45+ (21).
- There were four influenza-associated hospitalizations reported to DRSi this week.
  - The cases include a 0-4 year old at WRNMMC, a recruit at MCRD Parris Island, and two spouses ages 45+ at WRNMMC and Tripler AMC.
  - The MER for the recruit case at MCRD Parris Island notes that the patient was admitted to a non-MHS local hospital, and this patient was not identified via our laboratory and pharmacy surveillance efforts.

Influenza Positive Laboratory Results for DON Inpatient MEPRS Codes (A)  
Updated: Week 2 (January 11 - January 17, 2015)  
2014-2015 Influenza Season

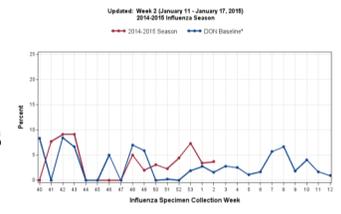


DON Influenza Antiviral Prescriptions  
Updated: Week 2 (January 11 - January 17, 2015)  
2014-2015 Influenza Season



### Coinfections:

- Since our last report, 18 bacterial coinfections were identified among DON laboratory positive influenza patients; the percent of patients with a bacterial coinfections was above seasonal baseline, but remains low.
- This week, four outpatient upper respiratory infections were identified at three facilities (all *Streptococcus*), one inpatient lower respiratory infections was identified at Tripler AMC (*Streptococcus*), and one outpatient lower respiratory infection was identified at WRNMMC (*Neisseria*).



[Click here](#) for a complete list of coinfections identified since our last report.

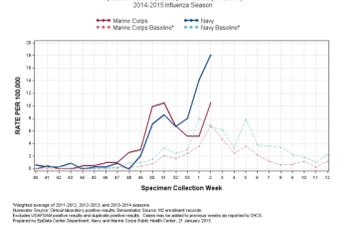
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## Active Duty

- There were 89 laboratory positive influenza results among DON active duty service members in Week 2 (75 type A, 1 type B, 3 type A&B, 10 unknown); all were in an outpatient setting.
  - The largest number of cases were identified at NMC San Diego (18), San Antonio MMC (8), and Walter Reed NMMC (7). Remaining cases were spread across 19 facilities with one to six cases each.
  - The majority (80) of the 89 DON active duty influenza cases during Week 2 were vaccinated at least 14 days prior to infection; eight had no record of vaccination.
- There were 141 AVs dispensed (all oseltamivir) to active duty service members during Week 2, increasing from 103 AVs dispensed in Week 1.

Influenza Positive DON MHS Laboratory Test Results by Service (Active Duty)  
Updated: Week 2 (January 11 - January 17, 2015)  
2014-2015 Influenza Season



Status	Immunization Status	Vaccine Type						Total	Percent
		LAV	IV	Unspecified Formulation	LAV & IV	None	-		
Active Duty	Vaccinated; immune	121	157	4	9	-	-	291	83.6%
	Vaccinated; not immune	4	14	1	-	-	-	19	5.5%
	No vaccination record	-	-	-	-	-	38	38	10.9%
<b>Total</b>		<b>125</b>	<b>171</b>	<b>5</b>	<b>9</b>	<b>38</b>	<b>348</b>		
Recruit	Vaccinated; immune	26	7	-	3	-	-	36	61.0%
	Vaccinated; not immune	11	1	-	-	-	-	12	20.3%
	No vaccination record	-	-	-	-	-	11	11	18.6%
<b>Total</b>		<b>37</b>	<b>8</b>	<b>-</b>	<b>3</b>	<b>11</b>	<b>59</b>		

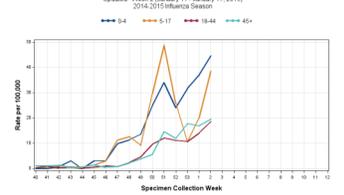
## Recruits:

- Four Navy and four Marine Corps recruits (7 type A, 1 type B) had positive laboratory tests this week.
  - All cases were identified in outpatient settings at San Antonio MMC (4), NH Beaufort—MCRD Parris Island (2), NH Camp Pendleton (1), and NMC San Diego (1).
  - There were 118 AV's dispensed to recruits during Week 2 (all oseltamivir).
    - Almost all of these (111, 94.1%) were dispensed to Marine Corps recruits at NH Beaufort - MCRD Parris Island. Additional details provided on [Page 2](#).

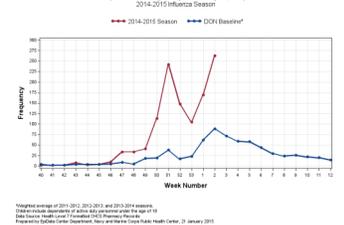
## Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 2 were 44.5 and 38.6 per 100,000, respectively. Although the rate increased in all age groups during Week 2, the rate in patients 5-17 years old was *more than double* last week's rate.
- There were 263 AV medications prescribed to children during Week 2, increasing from 157 AV medications during Week 1 and increasing to almost *three times* the seasonal baseline.

Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age  
Updated: Week 2 (January 11 - January 17, 2015)  
2014-2015 Influenza Season



Comparison of Influenza Antiviral Prescriptions in Children: Current Season and DON Baseline  
Updated: Week 2 (January 11 - January 17, 2015)  
2014-2015 Influenza Season



## Other Age Groups:

- During Week 2, laboratory influenza rates among the 18-44 and 45+ age groups were 18.5 and 19.7 per 100,000, respectively.

## In the News

- The CDC reports that vaccine effectiveness is currently only 23%. **More**
- The USDA announced new point-of-care influenza tests that yield highly accurate molecular results in less than 15 minutes. **More**
- CDC surveillance indicates that while influenza activity in the US remains high, there are early signs that influenza activity has begun to decrease in some parts of the country. **More**

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