

# DON Influenza SITREP

2014-2015 Influenza Season  
Week 43 (19 October 2014 — 25 October 2014)

## Influenza Activity and Surveillance

### Laboratory:

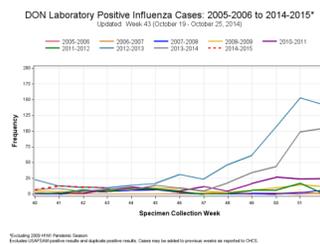
There were 10 laboratory positive influenza results among DON beneficiaries during Week 43 (comparable to the seasonal baseline). [More](#)

### Antivirals:

There were 24 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (24 oseltamivir). Influenza-specific AV prescriptions this week were slightly above the seasonal baseline. [More](#)

### Influenza-Like Illness:

Overall, 3.1% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to the seasonal baseline. [More](#)



## Vaccination

46.3% of Navy and 32.8% of Marine Corps active duty service members have received an influenza vaccine (as of 25 October 2014). [More](#)

Reminder: The DOD's personnel vaccination goal is 90% vaccine coverage by 15 December 2014.

## Severity Indicators

### Inpatient:

There were 22 inpatient influenza tests performed during Week 43; one was positive. There were no inpatient AV prescriptions dispensed this week and no cases were reported to DRSi. [More](#)

### Coinfections:

There were no bacterial coinfections identified among DON beneficiaries during Week 43. [More](#)

## Select Populations

### Active Duty & Recruits:

In Week 43, there were three laboratory positive influenza results among DON active duty service members and one laboratory positive influenza case among DON recruits. [More](#)

NHRC reports febrile respiratory illness rates are at or below expected values for DON basic training centers. [More](#)

### Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 2.26 and 0.68 per 100,000, respectively. There were two AV prescriptions dispensed to children this week (12.5%). [More](#)

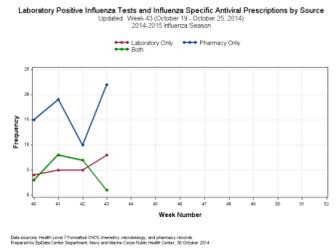
Contact Information: Gosia Nowak, 757-953-0979, [gosia.nowak@med.navy.mil](mailto:gosia.nowak@med.navy.mil) ~ On the Web: <http://go.usa.gov/DtUC>



## Case Identification:

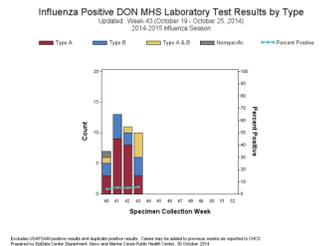
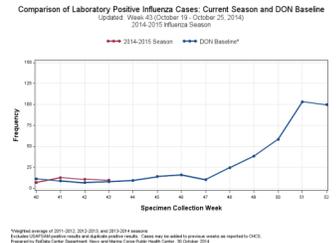
Several sources of data are utilized to identify influenza cases across the DON, including certified laboratory results, antiviral pharmacy transactions, and DRSi case reports.

- Since week 40, 17.8% of cases were identified through both positive laboratory tests and AV prescriptions.
- During week 43, one inpatient laboratory case under age 65 was identified, but it was not reported to DRSi.



## Laboratory:

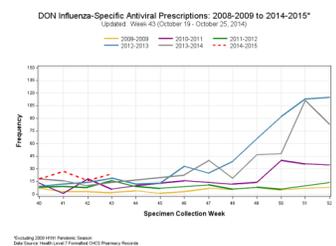
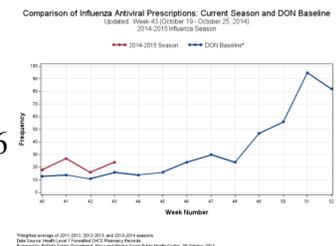
- There were ten positive laboratory influenza results identified among DON beneficiaries in Week 43 (three Type A, three Type B, four both Type A & Type B).
  - The number of cases this week was about the same as the seasonal baseline.
- NH Jacksonville reported two laboratory influenza cases during Week 43; all other laboratory cases occurred as single positive results from different DON facilities.
  - NH Guam had the most cumulative cases since week 40 (ten), followed by NH Jacksonville (seven), NH Camp Lejeune, NMC San Diego, and Ft. Shafter (four each).
- During Week 43, 5.7% of all influenza tests performed were positive.
  - This is slightly higher than the percent of tests with positive results in Week 43 of last season (3.3%).
- In Week 43, four cases were positive by rapid testing, one by culture, and five by PCR.



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
<b>Week 43</b>	40.0%	10.0%	50.0%	0%	0%
<b>Season</b>	65.9%	12.2%	22.0%	0%	0%

## Antivirals:

- There were 24 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (24 oseltamivir).
- There have been 85 AVs prescribed to DON beneficiaries this season (79 oseltamivir, 6 amantadine) so far this season.
- Antiviral prescriptions during Week 43 were above slightly the seasonal baseline.
- None of the antiviral prescriptions during Week 43 were in the inpatient setting.



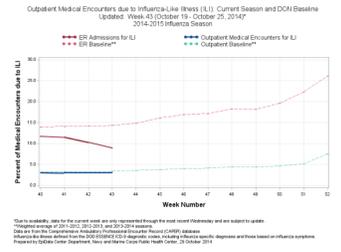
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# Syndromic Surveillance

## Influenza-Like Illness:

- During Week 43, 3.1% 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 admissions, 8.9% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the seasonal baseline.



## Immunizations

### Vaccination Coverage:

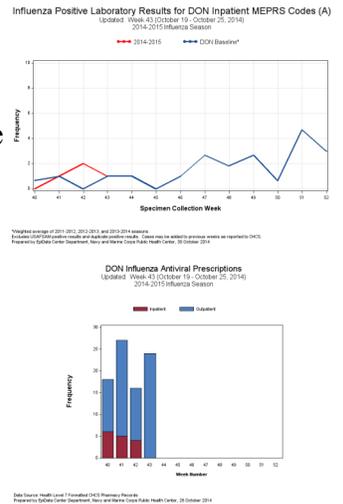
- One of three laboratory positive (33.3%) active duty influenza cases had been vaccinated more than 14 days prior to infection. The single laboratory positive recruit influenza case had no vaccination record.
- 46.3% of Navy and 32.8% of Marine Corps active duty service members have received an influenza vaccine.
  - Among US Fleet Forces active duty personnel, 46.8% have received an influenza vaccine.
- 57.5% of Navy and 45.7% of Marine Corps reservists have received an influenza vaccine.

[More](#)

## Severity Indicators

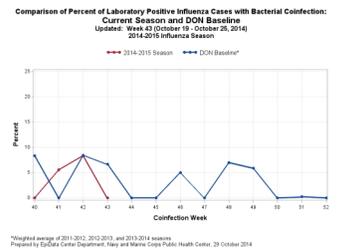
### Inpatient Surveillance:

- There were 22 inpatient influenza tests performed among DON beneficiaries in Week 43; one was positive.
  - This week's case was a male child under the age of 4 at NH Okinawa both Type A and Type B influenza.
- There were no AV medications prescribed in the inpatient setting this week.
- No inpatient cases were reported to DRSi this week.
- During Week 40, 6.8% of inpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this is above the seasonal baseline at Week 40 (3.7%).



### Coinfections:

- There were no bacterial coinfections identified among DON beneficiaries in Week 43.



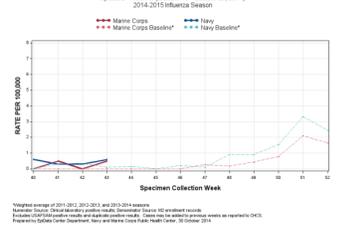
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## Active Duty

- There were three laboratory positive influenza results (one Type B, two Type A & B) among DON active duty service members and in Week 43.
  - Two active duty Navy tests were performed at NH Camp Pendleton and NEP-MU-5 San Diego. One active duty Marine Corps test was performed at NMC San Diego. All three tests were performed by PCR.
  - Among the eight active duty laboratory influenza positive service members this season, five had not been vaccinated (62.5%).
- Two active duty service members received AVs during Week 43.
  - One case was a Navy service member and one case was a Marine Corps service member.
  - There were no AV dispensed to active duty service members in an inpatient setting during Week 43.

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



Vaccination Status of DON Active Duty and Recruit Influenza Cases, 2014-2015 Season

Status	Immunity Status	Vaccine Type			Total	Percent
		LAIV	IV	None		
Active Duty	Vaccinated; not immune	2	1	-	3	37.5%
	No vaccination record	-	-	5	5	62.5%
<b>Total</b>		<b>2</b>	<b>1</b>	<b>5</b>	<b>8</b>	-
Recruit	No vaccination record	-	-	1	1	100.0%
<b>Total</b>		-	-	<b>1</b>	<b>1</b>	-

LAIV=live-attenuated influenza vaccine (intranasal), IV=inactivated influenza vaccine (injection)  
 Vaccinated; immune: Vaccinated more than 14 days prior to infection.  
 Vaccinated; not immune: Vaccinated less than 14 days prior to infection or after infection.  
 Prepared by EpiData Center Department, Navy and Marine Corps Public Health Center, 31 October 2014

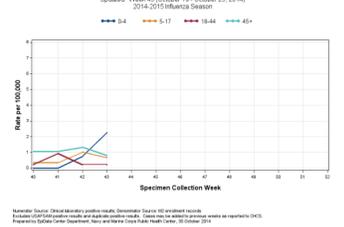
## Recruits:

- There was one positive laboratory influenza result among DON recruits in Week 43.
  - The Navy recruit lab was performed at NH Jacksonville by PCR.
- There were no AVs dispensed to recruits during Week 43.

## Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 43 were 2.26 and 0.68 per 100,000, respectively.
- There were eight AV medications prescribed to children during Week 43. The number of AVs dispensed to children this week was above the seasonal baseline.

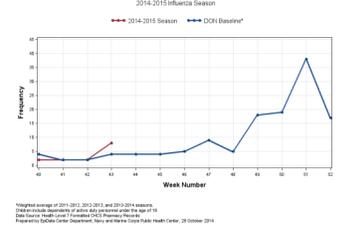
Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



## Other Age Groups:

- During Week 43, the laboratory influenza rates among the 18-44 and 45+ age groups were 0.23 and 0.80 per 100,000, respectively.

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



## In the News

- First reported pediatric flu death of the 2014-2015 Season. [More](#)
- Puerto Rico experienced high ILI activity during Week 42. Guam reported widespread influenza activity. [More](#)
- MMWR details an H3N2 influenza outbreak in February 2014 among US Sailors aboard the USS Ardent. [More](#)

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