

# DON Influenza SITREP

2014-2015 Influenza Season

Week 46 (9 November 2014 — 15 November 2014)

## Influenza Activity and Surveillance

### Laboratory:

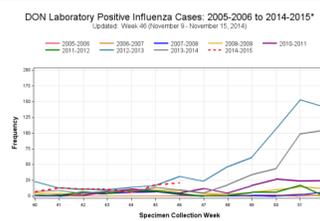
There were 21 laboratory positive influenza results among DON beneficiaries during Week 46 (comparable to seasonal baseline). [More](#)

### Antivirals:

There were 28 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (27 oseltamivir, one amantadine). Influenza-specific AV prescriptions this week were slightly above the seasonal baseline. [More](#)

### Influenza-Like Illness:

Overall, 4.3% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to the seasonal baseline. [More](#)



## Vaccination

72.1% of Navy and 58.1% of Marine Corps active duty service members have received an influenza vaccine (as of 15 November 2014). [More](#)

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

## Severity Indicators

### Inpatient:

There were 21 inpatient influenza tests performed during Week 46; two were positive. Two inpatient AV prescriptions were dispensed this week. One inpatient case was reported to DRSi during Week 46. [More](#)

### Coinfections:

There were no bacterial coinfections identified among DON beneficiaries during Week 46. [More](#)

## Select Populations

### Active Duty & Recruits:

In Week 46, two active duty Marine Corps service members and one Navy service member had laboratory positive influenza results. No recruits in Week 46 had a laboratory positive influenza result. [More](#)

NHRC reports a moderately elevated febrile respiratory illness rate at USCG Training Center Cape May. [More](#)

### Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 3.02 and 2.39 per 100,000, respectively. There were five AV prescriptions dispensed to children this week. [More](#)

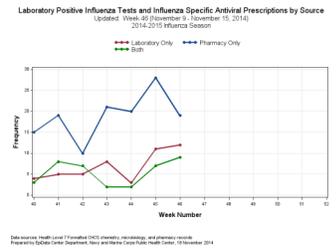
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



## Case Identification:

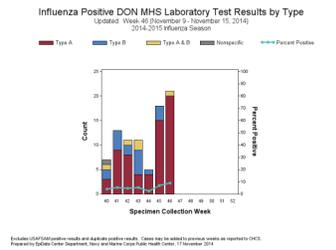
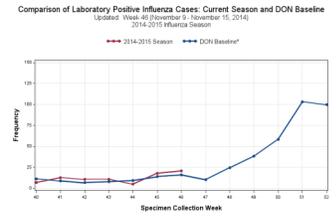
Several sources of data are utilized to identify influenza cases across the DON, including certified laboratory results, antiviral pharmacy transactions, and DRSi case reports.

- Since week 40, 17.4% of cases were identified through both positive laboratory tests and AV prescriptions.
- During Week 46, one case of influenza-associated hospitalization was reported to DRSi for a male recruit between the ages of 18 and 44 years old.



## Laboratory:

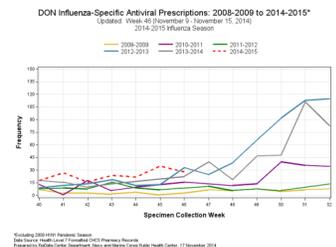
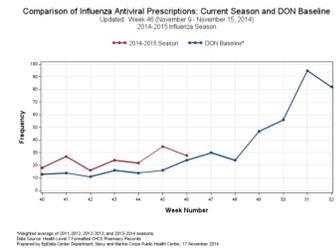
- There were 21 positive laboratory influenza results identified among DON beneficiaries in Week 46 (20 Type A, one Type A & B).
  - The number of cases this week was comparable to the seasonal baseline.
- Eight laboratory positive cases this week occurred at NH Camp Lejeune, and six occurred at NH Jacksonville. 673rd Med Grp-Elmendorf (two) and NH Twenty-Nine Palms (two) were the only other facilities with more than one positive influenza test.
  - NH Camp Lejeune has the most cumulative cases since week 40 (17), followed by NH Jacksonville (16), NH Guam (11), and NMC San Diego (seven).
- During Week 46, 9.1% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 46 of last season (3.1%).
- In Week 46, all of 21 cases were positive by rapid testing.



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
<b>Week 46</b>	100.0%	0%	0%	0%	0%
<b>Season</b>	76.7%	7.0%	16.3%	0%	0%

## Antivirals:

- There were 28 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (27 oseltamivir, one amantadine).
- There have been 162 AVs prescribed to DON beneficiaries this season (162 oseltamivir, eight amantadine) so far this season.
- Antiviral prescriptions during Week 46 were slightly above the seasonal baseline.
- Two of the antiviral prescriptions during Week 46 were in the inpatient setting.

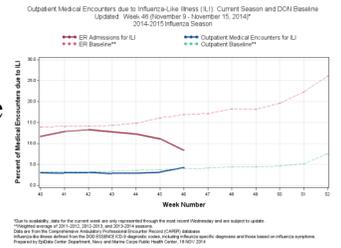


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# Syndromic Surveillance

## Influenza-Like Illness:

- During Week 46, 4.3% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this is comparable to the seasonal baseline.
- Among ER visits, 8.4% of medical encounters contained ILI ICD-9-CM diagnostic codes, which is below the seasonal baseline.



## Immunizations

### Vaccination Coverage:

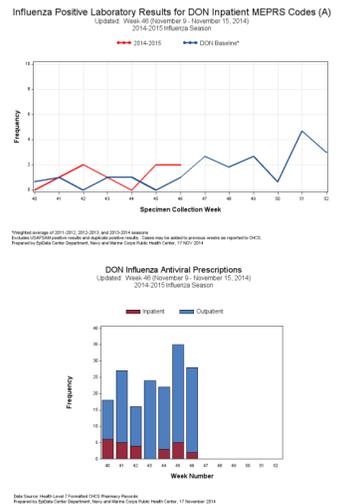
- The three laboratory-identified active duty influenza cases during week 46 were not vaccinated.
- 72.1% of Navy and 58.1% of Marine Corps active duty service members have received an influenza vaccine.
  - Among US Fleet Forces personnel, 76.6% have received an influenza vaccine.
- 73.4% of Navy and 63.4% of Marine Corps reservists have received an influenza vaccine.

[More](#)

## Severity Indicators

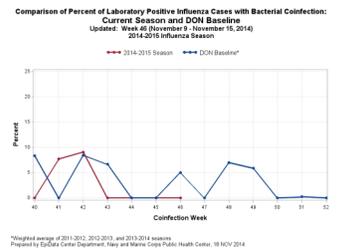
### Inpatient Surveillance:

- There were 21 inpatient influenza tests performed among DON beneficiaries in Week 46; two were positive.
  - This week's cases were a male child of a Marine Corps sponsor at NH Camp Lejeune who was rapid test positive for Type A, and a female active duty Navy service member who was rapid test positive for Type A & B at NH Sigonella.
- Two AV medications were prescribed in the inpatient setting this week.
  - The inpatient AV medications were prescribed at 81st Med Grp-Keesler (one) and NMC San Diego (one).
- One inpatient case was reported to DRSi this week: a male recruit at NMC San Diego between the ages of 18 and 44 years old.



### Coinfections:

- There were no bacterial coinfections identified among DON beneficiaries in Week 46
- Two bacterial coinfections have been identified in DON beneficiaries since Week 40 (*Escherichia*, *Staphylococcus*).



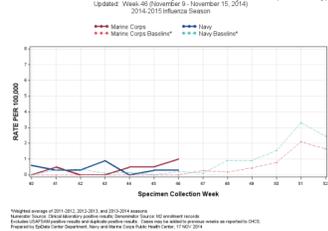
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## Active Duty

- There were two laboratory positive influenza type A results among active duty Marine Corps service members and one laboratory positive type A & B result among active duty Navy service members in Week 46.
  - The two Marine Corps laboratory tests were performed at NH Twenty-Nine Palms in an outpatient setting and the Navy laboratory test was performed at NH Sigonella in an inpatient setting.
  - None of the three active duty laboratory influenza positive service members this week were vaccinated.
- Seven active duty service members received AVs during Week 46.
  - Two prescriptions were dispensed to active duty Marines and three to active duty Navy service members; all received oseltamivir.

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



Status		Immunity Status	Vaccine Type			Total	Percent
			LAIV	IV	None		
Active Duty	Vaccinated, immune	-	1	-	1	7.1%	
	Vaccinated, not immune	3	3	-	6	42.9%	
	No vaccination record	-	-	7	7	50.0%	
<b>Total</b>			<b>3</b>	<b>4</b>	<b>7</b>	<b>14</b>	-
Recruit	No vaccination record	-	-	2	2	100.0%	
<b>Total</b>			-	-	<b>2</b>	<b>2</b>	-

LAIV=live-attenuated influenza vaccine (intranasal), IV=inactive 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, 18 November 2014

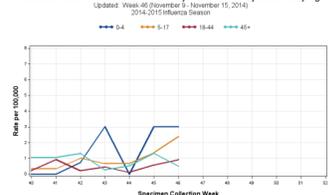
## Recruits:

- There were no laboratory positive influenza results among DON recruits in Week 46.
- There was one AV dispensed to a recruit during Week 46.

## Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 46 were 3.02 and 2.39 per 100,000, respectively.
- There were five AV medications prescribed to children during Week 46. The number of AVs dispensed to children this week was below the seasonal baseline.

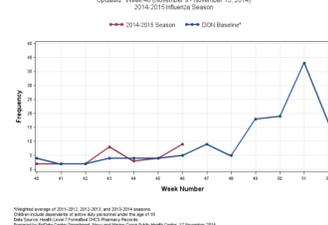
Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



## Other Age Groups:

- During Week 46, the laboratory influenza rates among the 18-44 and 45+ age groups were 0.93 and 0.53 per 100,000, respectively.

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



## In the News

- Increasing uptake of LAIV among US children from 2008-2014. [More](#)
- Bird flu confirmed at Yorkshire duck farm. [More](#)
- CDC reports low influenza activity in the US during Week 45. [More](#)

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