

# DON Influenza SITREP

2014-2015 Influenza Season

Week 40 (28 September 2014 — 4 October 2014)

## Flu Activity and Surveillance

### Laboratory:

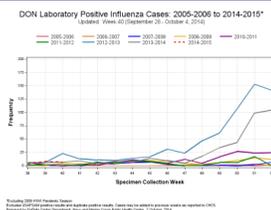
There were seven laboratory positive influenza results among DON beneficiaries during Week 40 (slightly below seasonal baseline). [More](#)

### Antivirals:

There were 13 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir). Influenza-specific AV prescriptions this week were equal to the seasonal baseline. [More](#)

### Influenza-Like Illness:

3.2% of outpatient medical encounters were due to influenza-like illness (ILI); this is equal to the seasonal baseline. [More](#)



## Vaccination

14.8% of Navy and 12.6% of Marine Corps active duty service members have received an influenza vaccine (as of 4 October 2014). [More](#)

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

## Severity Indicators

### Inpatient:

There were 18 inpatient influenza tests performed during Week 40; none were positive. There was one inpatient AV prescription dispensed this week and one case was reported to DRSi. [More](#)

### Coinfections:

No coinfections were identified among DON beneficiaries during Week 40. [More](#)

## Select Populations

### Active Duty & Recruits:

In Week 40, there were two laboratory positive influenza cases among DON active duty service members and no laboratory positive influenza cases 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 0.0 and 0.34 per 100,000, respectively. There were two AV prescriptions dispensed to children this week (15.3%). [More](#)

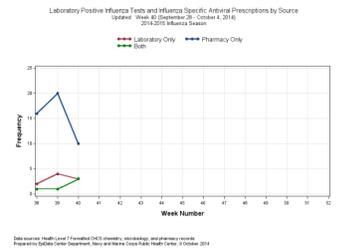
Contact Information: Gosia Nowak, 757-953-0979, [gosia.nowak@med.navy.mil](mailto:gosia.nowak@med.navy.mil) ~ On the Web: <http://go.usa.gov/DtUC>



## Case Identification:

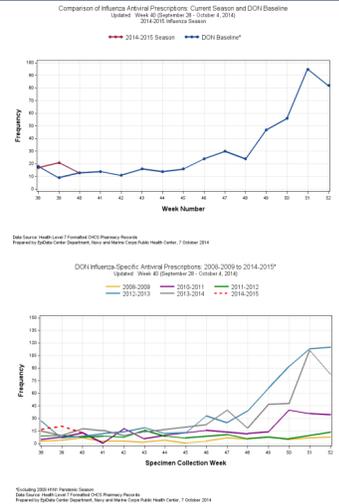
Several sources of data are utilized to identify influenza cases across the DON, including certified laboratory results, antiviral pharmacy transactions, and DRSi case reports.

- This week, 8.1% of cases were identified through both positive laboratory tests and AV prescriptions.



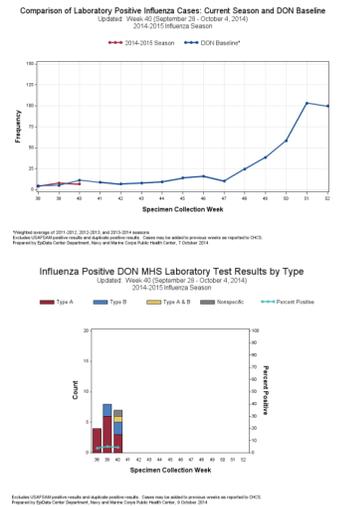
## Antivirals:

- There were 13 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- Antiviral prescriptions during Week 40 were below seasonal baseline.
- One of the antiviral prescriptions was in the inpatient setting (7.7%).



## Laboratory:

- There were seven positive laboratory influenza results identified among DON beneficiaries in Week 40 (three Type A, two Type B, one dual infection, and one unspecified).
- Top facilities this week were NH Jacksonville (two) and NH Guam-Agana (two).
- During Week 40, 4.6% of all influenza tests performed were positive.
  - This is higher than the percent of tests with positive results in Week 40 of last season (2.7%).
- The number of cases this week is below seasonal baseline.
- In Week 40, six cases were positive by rapid testing and one was positive by PCR.



Frequency of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
<b>Week 40</b>	85.7	0%	14.3%	0%	0%

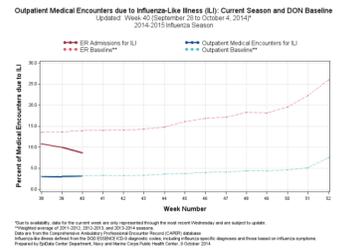
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# Syndromic Surveillance

## Influenza-Like Illness:

- During Week 40, 3.2% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this is equal to the seasonal baseline.
- Among ER admissions, 8.7% of medical encounters contain ILI ICD-9-CM diagnostic codes, which is below the seasonal baseline.



## Immunizations

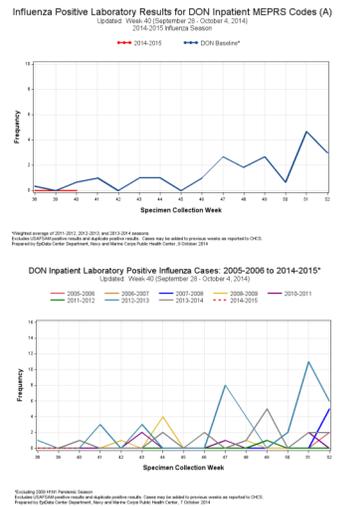
### Vaccination Coverage:

- No laboratory positive active duty cases (n=2) this week were vaccinated more than 14 days prior to infection.
- 14.8% of Navy and 12.6% of Marine Corps active duty service members have received an influenza vaccine.
  - Among US Fleet Forces active duty personnel, 11.7% have received an influenza vaccine.
- 22.9% of Navy and 10.2% of Marine Corps recruits have received an influenza vaccine.

## Severity Indicators

### Inpatient Surveillance:

- There were 18 inpatient influenza tests performed among DON beneficiaries in Week 40; none were positive.
- There was one AV medication prescribed in the inpatient setting this week.
  - This week's case was a Navy male active duty service member at NMC San Diego who was prescribed oseltamivir.
- There were one inpatient cases reported to DRSi this week.
  - This week's case was a 45+ male active duty service member with no evidence of vaccination reported by NMC San Diego. This case was also captured by laboratory (outpatient) and pharmacy surveillance.



### Coinfections:

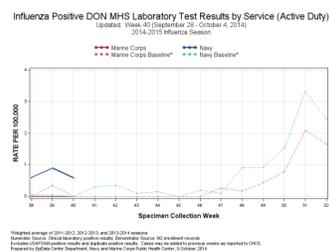
- There were no bacterial coinfections identified among DON beneficiaries in Week 40.

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## Active Duty

- There were two positive laboratory influenza results among DON active duty service members in Week 40.
- This week's active duty cases were not vaccinated.
- Both cases were Navy service members tested in outpatient facilities. One female service member was Type B positive by rapid testing at NH Lemoore and one male service member was Type B positive by PCR testing at NMCP San Diego.
- Four active duty service members received AVs during Week 40.
  - Two (50.0%) were Navy and two (50.0%) were Marine Corps.
  - This week's inpatient prescriptions were dispensed at NMC San Diego (two), NBHC Port Hueneme, and OP Forces—NH Camp Lejeune.



Status	Immunity Status	Vaccine Type		
		None	Total	Percent
Active Duty	No vaccination record	2	2	100.0%
Total		2	2	-

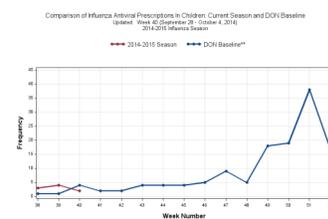
LAIV=live-attenuated influenza vaccine (intranasal), IIV=inactivated influenza vaccine (injection)  
 Vaccinated, immune: Vaccinated more than 14 days prior to infection.  
 Vaccinated, not immune: Vaccinated less than 14 days prior to infection.  
 Prepared by EpiData Center Department, Navy and Marine Corps Public Health Center, 9 October 2014

## Recruits:

- There were no positive laboratory influenza results among DON recruits in Week 40.
- There were no AVs dispensed to a recruit during Week 40.

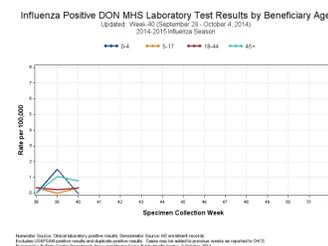
## Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 40 were 0.0 and 0.35 per 100,000, respectively.
- There were two AV medications prescribed to children during Week 40. The number of AVs dispensed to children during Week 40 was below seasonal baseline.



## Other Age Groups:

- During Week 40, the laboratory influenza rates among the 18-44 and 45+ age groups were 0.35 and 0.8 per 100,000, respectively.



## In the News

- CDC reports the US had low levels of influenza overall between 18 May and 20 Sept 2014 with sporadic cases across the country. [More](#)
- WHO reports that influenza B is co-circulating with respiratory syncytial virus (RSV) in tropical countries of the Americas. [More](#)
- Study indicates physicians are under-prescribing influenza antivirals and over-prescribing antibiotics to influenza outpatients. [More](#)

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