

# DON Influenza SITREP

2015-2016 Influenza Season  
Week 43 (25 October — 31 October 2015)

## Summary

Influenza activity remains below baseline estimates. No indicators for severity among cases identified. Minimal impact on active duty service members; active duty vaccination continues to increase week to week.

## Influenza Activity and Surveillance

### Laboratory:

Two laboratory positive influenza cases were identified during Week 43, below baseline. **More**

### Antivirals (AVs):

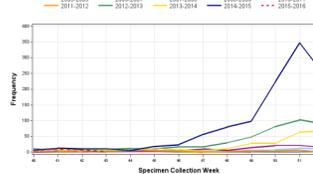
15 AV medications were dispensed in Week 43, below baseline. **More**

### Influenza-Like Illness (ILI):

Overall, 3.2% of outpatient medical encounters were due to ILI, equal to baseline. **More**

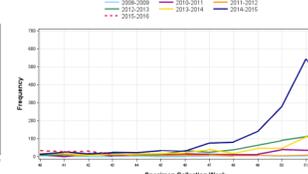
DON Laboratory Positive Influenza Cases: 2005-2006 to 2015-2016\*

Updated: Week 43 (October 25 - October 31, 2015)



DON Influenza-Specific Antiviral Prescriptions: 2008-2009 to 2015-2016\*

Updated: Week 43 (October 25 - October 31, 2015)



## Severity Indicators

### Inpatient:

This week, zero laboratory positive cases and inpatient antiviral prescriptions were identified. There were no inpatient cases reported to DRSi. **More**

### Coinfections:

The cumulative proportion of laboratory-positive cases with a bacterial coinfection remains below baseline; zero new coinfections were identified this week. **More**

## Vaccination Rates

### Active duty only

Navy: 51.2%  
Marine Corps: 26.6%  
US Fleet Forces: 59.2%  
**More**

Source: MRRS, current as of 02 Nov 2015.

## Select Populations

### Active Duty & Recruits:

In Week 43, no laboratory positive cases and six AV prescriptions dispensed were among active duty personnel. There were no laboratory positive tests or AV prescriptions dispensed to recruits. **More**  
NHRC reports febrile respiratory illness (FRI) rates were at or below expected value during Week 42 at MCRD San Diego, MCRD Parris Island, and NRTC Great Lakes. **More**

### Children:

The rate of influenza positive laboratory cases and influenza specific AV prescriptions in children remains low. **More**

Contact Information: [Email](#) ~ On the Web: <http://go.usa.gov/DtUC>

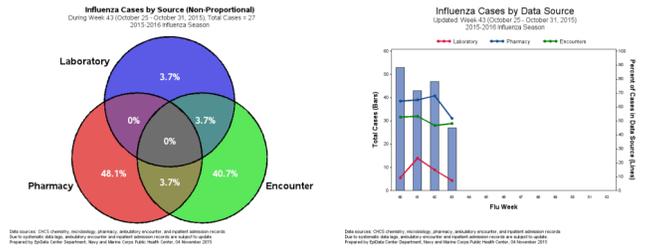


# Influenza Activity and Surveillance

## Case Identification

The overall burden of influenza in the DON is estimated by combining three major sources of data: certified laboratory results, antiviral pharmacy transactions, and medical encounters with influenza-specific diagnoses.

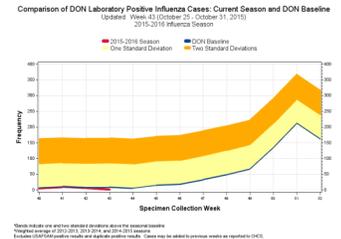
- This week, there were 27 DON cases identified in one or more data sources; pharmacy captured the highest proportion of cases (51.9%). Zero of this week's cases were identified in all three sources.
- Since Week 40, there have been 170 DON cases identified in at least one of the three data sources.



## Laboratory

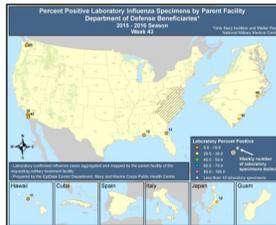
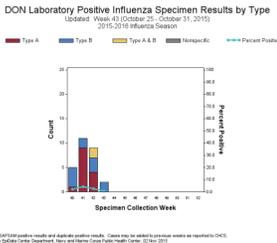
### Case Frequencies

- Two laboratory positive influenza cases were identified during Week 43 (both type B), below baseline estimates.
  - Two cases were identified at NH Lemoore and Naval Health Clinic New England.
- Since Week 40, 24 laboratory positive cases were identified among DON beneficiaries. Top facilities: NHC Hawaii (5), NH Camp Lejeune (3), and AMC-Tripler Shafter (2), NH Lemoore (2), NMC San Diego (2).



### Specimen Positivity

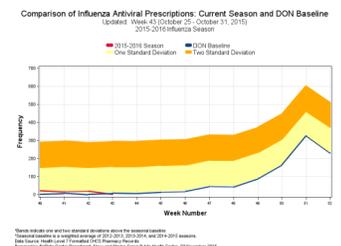
- 0.7% of all influenza specimens tested during Week 43 were positive, lower than last season (5.0%).
- When grouped by parent facility, ten (35.7%) locations tested more than ten specimens; none of these facilities testing more than ten specimens had positive results.



Test Types among Positive Influenza Specimens, n (%)				
	Rapid	Culture	PCR	Total
<b>Week 41</b>	5 (45.5)	4 (36.4)	2 (18.2)	11
<b>Week 42</b>	7 (77.8)	2 (22.2)	0 (0.0)	9
<b>Week 43</b>	2 (100.0)	0 (0.0)	0 (0.0)	2
<b>Season</b>	17 (63.0)	7 (25.9)	3 (11.1)	27

## Antivirals

- 15 antiviral prescriptions were dispensed during week 43, below baseline estimates.
  - Most common facilities this week: NH Camp Lejeune (4), 6th Med Grp-Macdill (2), NMC San Diego (2).
- Since Week 40, the majority (98.1%) of prescriptions were for Oseltamivir.



Antiviral Medications Dispensed to DON Beneficiaries, n (%)					
	Amantadine	Oseltamivir	Rimantadine	Zanamivir	Total
<b>Week 43</b>	0 (0.0)	15 (100.0)	0 (0.0)	0 (0.0)	15
<b>This Season</b>	2 (1.9)	106 (98.1)	0 (0.0)	0 (0.0)	108

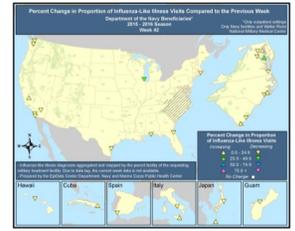
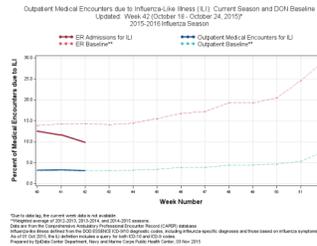
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# Syndromic Surveillance

## Influenza-Like Illness

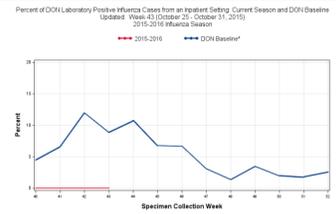
- The percent of medical encounters that included an ILI diagnosis during Week 42 (lagged due to data availability):
  - 3.2% of outpatient (equal to baseline)
  - 9.9% of ER (below baseline).
- When grouped by parent facility, eight DON facilities (28.6%) experienced an increase in the proportion of outpatient ILI visits during Week 42; one facility (NHC Patuxent River) experienced an increase above 25%.



## Severity Indicators

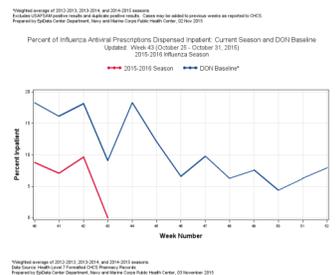
### Inpatient Laboratory

- None of the 25 specimens tested for influenza in the inpatient setting were positive this week.



### Inpatient Pharmacy

- Zero AV prescriptions during Week 43 were in the inpatient setting (below baseline).



### Influenza-Associated Hospitalization Reports

- There have been no influenza-associated hospitalizations reported to DRSi this season.

## Coinfections

- The percent of cases with bacterial coinfections this season (4.2%) remains below baseline (6.2%).
- One coinfection was been identified so far this season.
  - The coinfection was identified in an outpatient setting as a lower respiratory *Mycobacterium* infection influenza positive during Week 41.

Cumulative Proportion Bacterial Coinfections by Source and Laboratory Positive Cases with a Bacterial Coinfection (%), Week 43				
	Coinfections by Respiratory Source			Cases with Bacterial Coinfection
	Upper Respiratory	Lower Respiratory	Non-Respiratory	
Current Season	0.0	100.0	0.0	4.2
Cumulative Baseline	0.0	23.1	76.9	6.2

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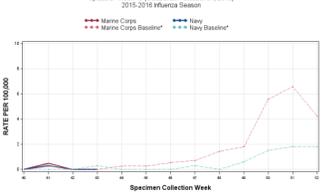


# Select Populations

## Active Duty

- There were no laboratory positive influenza cases among active duty service members in Week 43.
- Two active duty service members (one Marine Corps, one Navy) have been identified this season (during Week 41); one service member received a vaccine more than 14 days prior to infection and one was vaccinated less than 14 days prior to infection.
- Six active duty service members (3 Navy, 2 Marine Corps) were dispensed oseltamivir during Week 43 at six different facilities.

DON Laboratory Positive Influenza Case Rates by Service (Active Duty)



Updated: Week 43 (October 25 - October 31, 2015)  
2015-2016 Influenza Season

Number Source: DON Laboratory Positive Influenza Cases, Donorship Source: ICI unlinked records.  
Excludes: OTC (Over-the-Counter) products made for public use only. Cases may be linked to vaccine events as reported to OHS.  
Prepared by: EpiData Center Department, Navy and Marine Corps Public Health Center, 02 Nov 2015

Status	Immunity Status	Vaccine Type		
		IVV	Total	Percent
Active Duty	Vaccinated; immune	1	1	50.0%
	Vaccinated; not immune	1	1	50.0%
Total		2	2	-

LAIV=live-attenuated influenza vaccine (intranasal), IIV=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, 02 Nov 2015

## Recruits

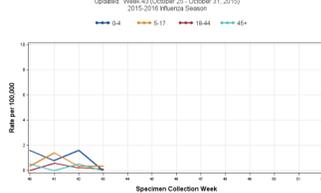
- There were no laboratory positive influenza cases among recruits in Week 43.
- There were no AVs dispensed to recruits during Week 43.

Case Type	Active Duty		Recruits		Total
	Navy	Marine Corps	Navy	Marine Corps	
Laboratory Positive	1	1	0	0	2
AV Prescriptions	19	8	0	0	27

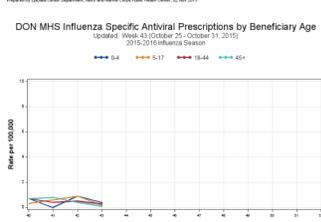
## Children

- The rate of laboratory positive influenza cases remains low for all age groups.
- One laboratory positive influenza case was identified among children during Week 43, below baseline estimates for children.
  - This week's case aged 5-17 years from an outpatient setting at NH Lemoore.
- The rate of AV prescriptions remains low for all age groups.
- There were four AVs dispensed to children during Week 43, below baseline estimates for children.
  - This week's cases were all outpatient with two children ages 0-4 and two ages 5-17 at NH Camp Lejeune (2), NH Twentynine Palms (1), and NHC Quantico (1).

DON Laboratory Positive Influenza Case Rates by Beneficiary Age



DON MHS Influenza Specific Antiviral Prescriptions by Beneficiary Age



Number Source: Influenza Specific Antiviral Prescriptions, Donorship Source: ICI unlinked records.  
Prepared by: EpiData Center Department, Navy and Marine Corps Public Health Center, 03 November 2015

## In the News

- CDC reports low influenza activity for Week 42, with influenza A (H3) viruses predominating. [More](#)
- New study published in *Clinical Infectious Diseases* finds shedding pattern differences between flu A and flu B. [More](#)
- Study in *Vaccine* reports influenza vaccine found 52% effective against hospitalization in Australia during 2014. [More](#)

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