

DON Influenza SITREP

2015-2016 Influenza Season
Week 40 (4 October — 10 October 2015)

Summary

Influenza activity is at or below baseline estimates. Severity indicators remain low for current cases. Minimal impact on active duty service members; active duty vaccination continues to increase week to week.

Influenza Activity and Surveillance

Laboratory:

Five laboratory positive influenza cases were identified during Week 40, below baseline. **More**

Antivirals (AVs):

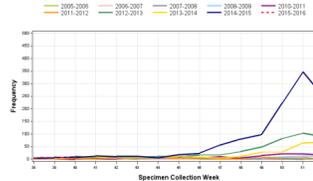
34 AV medications were dispensed in Week 40, within one standard deviation of baseline. **More**

Influenza-Like Illness (ILI):

Overall, 3.3% of outpatient medical encounters were due to ILI, comparable to baseline. **More**

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

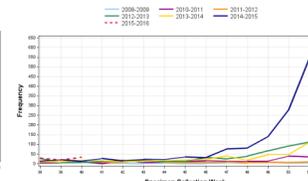
Updated: Week 40 (October 4 - October 10, 2015)



*Including 2009 H1N1 Pandemic Season
†Includes 2009 H1N1 Pandemic Season and includes additional weeks. Data for an additional pandemic season are reported to DRSi.
Prepared by Public Health Center, Navy and Marine Corps Public Health Center, 13 Oct 2015

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

Updated: Week 40 (October 4 - October 10, 2015)



*Including 2009 H1N1 Pandemic Season
†Includes 2009 H1N1 Pandemic Season and includes additional weeks. Data for an additional pandemic season are reported to DRSi.
Prepared by Public Health Center, Navy and Marine Corps Public Health Center, 14 October 2015

Severity Indicators

Inpatient:

This week, the percent of inpatient laboratory positive cases and inpatient antiviral prescriptions were below baseline. There were no inpatient cases reported to DRSi. **More**

Coinfections:

There have been no bacterial coinfections identified among laboratory positive cases this season, equal to baseline. **More**

Vaccination Rates

Active duty only

Navy: 27.2%
Marine Corps: 11.1%
US Fleet Forces: 33.9%
More

Source: MRRS, current as of 12 Oct 2015.

Select Populations

Active Duty & Recruits:

In Week 40, no laboratory positive cases and fourteen 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 39 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>

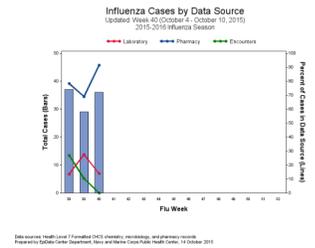
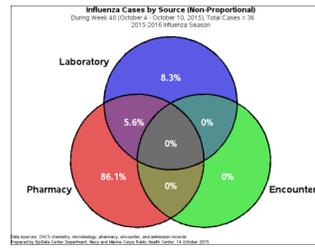


Influenza Activity and Surveillance

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.

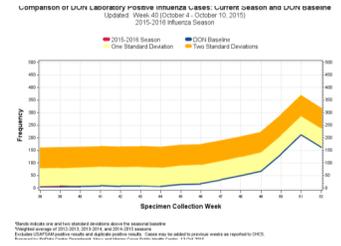
- This week, there were 36 DON cases identified in one or more data sources; pharmacy records accounted for the majority of these cases (91.7%). None of this week's cases were identified in all three sources.
- Since Week 38, there have been 102 DON cases identified in these data sources.



Laboratory

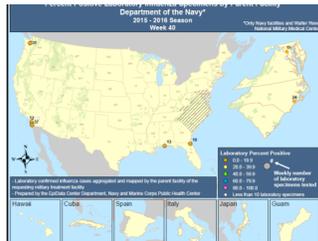
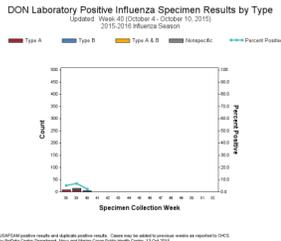
Case Frequencies

- Five laboratory positive influenza cases were identified during Week 40 (one type A, four type B), below baseline.
 - Cases were identified at five separate facilities this week: NH Lemoore, NMC San Diego, AMC Tripler, NH Okinawa, NH Yokosuka.
- Since Week 38, 18 laboratory positive cases were identified among DON beneficiaries. Top three facilities: NH Bremerton (5), NH Lemoore (3), NMC San Diego (3).



Specimen Positivity

- 2.2% of all influenza specimens tested during Week 40 were positive, lower than last season (3.5%).
- NMC San Diego had the highest positivity (2.7%), while the remainder of facilities had 0% influenza positive laboratory specimens or less than 10 specimens tested overall.

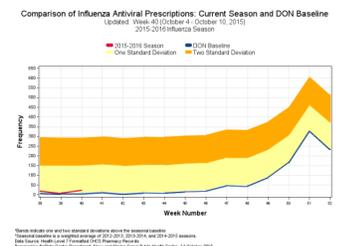


	Test Types among Positive Influenza Specimens (%)		
	Rapid	Culture	PCR
Week 38 (n=9)	55.6	33.3	11.1
Week 39 (n=14)	78.6	7.1	14.3
Week 40 (n=5)	60.0	20.0	20.0
Season (n=28)	67.9	17.9	14.3

Antivirals

- Thirty four antiviral prescriptions were dispensed during week 40, within one standard deviation of baseline.
 - Top three facilities this week: NHC Charleston (6), Lackland AFB (3), AMC Tripler (3).
- Since Week 38, the majority (96.3%) of prescriptions were for Oseltamivir.

	Antiviral Medications Dispensed to DON Beneficiaries (n, %)				Total
	Amantadine	Oseltamivir	Rimantadine	Zanamivir	
Week 40	0 (0)	34 (100)	0 (0)	0 (0)	34
Since Week 38	3 (3.7)	79 (96.3)	0 (0)	0 (0)	82

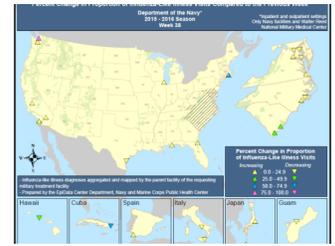
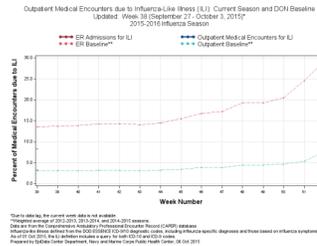


Back

Syndromic Surveillance

Influenza-Like Illness

- The percent of medical encounters that included an ILI diagnosis during Week 38 (lagged due to data availability and ICD-10 transition):
 - 3.3% of outpatient (comparable to baseline)
 - 8.3% of ER (below baseline).
- The proportion of outpatient ILI visits during Week 38 increased at the majority of DON facilities (60.7%); facilities with greatest increases: NH Oak Harbor, NHC New England, NH Beaufort.



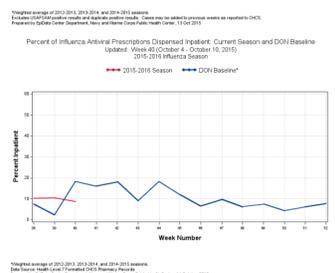
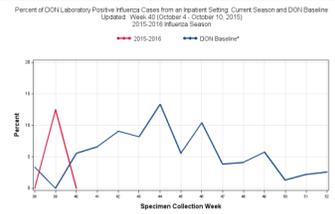
Severity Indicators

Inpatient Laboratory

- None of the 26 specimens tested for influenza in the inpatient setting were positive this week.

Inpatient Pharmacy

- Three (8.8%) AV prescriptions during Week 40 were in the inpatient setting (below baseline).
 - This week's cases were a Navy active duty male at WRNMMC and two non-active duty sponsors age 45 + at NMC San Diego and AMC Tripler.



Influenza-Associated Hospitalization Reports

- There were no influenza-associated hospitalizations reported to DRSi this week.

Coinfections

- No coinfections have been identified among DON laboratory positive influenza patients so far this season.

Cumulative Proportion Bacterial Coinfections by Source and Laboratory Positive Cases with a Bacterial Coinfection (%), Week 40				
	Upper Respiratory	Lower Respiratory	Non-Respiratory	Overall
Current Season	0	0	0	0
Last Season	0	0	0	0

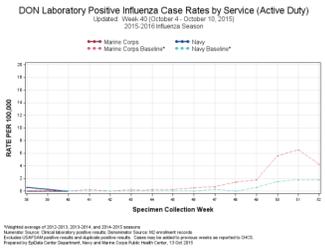
Back



Select Populations

Active Duty

- No laboratory positive influenza cases were identified among active duty service members in Week 40.
- There were 14 AVs dispensed (all Oseltamivir) to active duty service members during Week 40 at twelve facilities; multiple AVs were dispensed at Lackland AFB and NH Camp Lejeune, two each.
- As of Week 40, 33.9% of US Fleet Forces have been vaccinated (30.9% CFFC, 36.6% CPF).



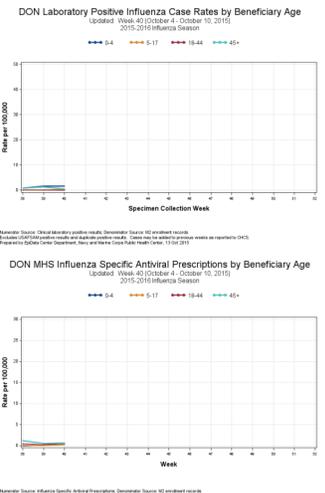
Recruits

- There were no laboratory positive influenza cases among recruits in Week 40.
- There were no AVs dispensed during Week 40 to recruits.

Number of DON Active Duty and Recruit Cases since Week 40, 2015-2016 Season					
Case Type	Active Duty		Recruits		Total
	Navy	Marine Corps	Navy	Marine Corps	
Laboratory Positive	0	0	0	0	0
AV Prescriptions	11	3	0	0	14

Children

- The rate of laboratory positive influenza cases remains low for all age groups. The highest rate during Week 40 was the 0-4 age group (1.6 per 100,000).
- Three laboratory positive influenza cases were identified among children during Week 40, equal to baseline estimates.
 - Two children ages 0-4 were identified with Type B influenza at NH Lemoore and NH Yokosuka; one child aged 5-17 was identified with Type A influenza at AMC Tripler.
- The rate of AV prescriptions remains low for all age groups. The highest rates during Week 40 were the 18-44 and 45+ age groups (0.7 per 100,000, each).
- There were five AV dispensed to children during Week 40, above to baseline estimates.
 - This week there were two children age 0-4 and three children age 5-17, all dispensed Oseltamivir outpatient.



In the News

- North Carolina reported the first influenza-related death of the season during Week 39. [More](#)
- Influenza activity is low in the US, but the CDC has received reports of early institutional H3N2 outbreaks. [More](#)

[Back](#)

