

DON Influenza SITREP

2015-2016 Influenza Season
Week 44 (1 November — 7 November 2015)

Summary

Laboratory influenza activity equal to baseline; pharmacy activity above baseline but within one standard deviation. First inpatient case reported to DRSi this season. Active duty impact remains minimal and vaccination continues to increase week-to-week.

Influenza Activity and Surveillance

Laboratory:

Six laboratory positive influenza cases were identified during Week 44, equal to baseline. [More](#)

Antivirals (AVs):

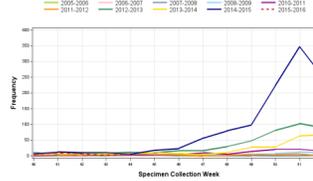
39 AV medications were dispensed in Week 44, within one standard deviation of baseline. [More](#)

Influenza-Like Illness (ILI):

Overall, 3.5% of outpatient medical encounters were due to ILI, slightly above baseline. [More](#)

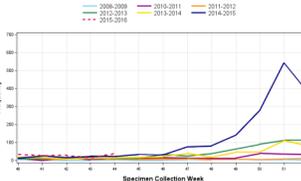
DON Laboratory Positive Influenza Cases: 2005-2006 to 2015-2016*

Updated: Week 44 (November 1 - November 7, 2015)



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

Updated: Week 44 (November 1 - November 7, 2015)



Severity Indicators

Inpatient:

This week, one inpatient laboratory positive case and four inpatient antiviral prescriptions were identified. There was one inpatient case 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: 58.4%

Marine Corps: 37.0%

US Fleet Forces: 66.9%

[View Table](#)

Source: MRRS, current as of 09 Nov 2015.

Select Populations

Active Duty & Recruits:

In Week 44, one laboratory positive case and 15 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 43 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>



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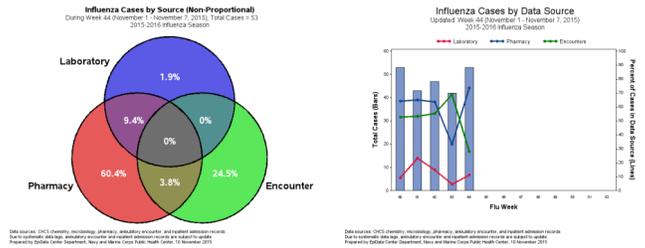
Report Number: NMCPHC-EDC-TR-578-2015

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.

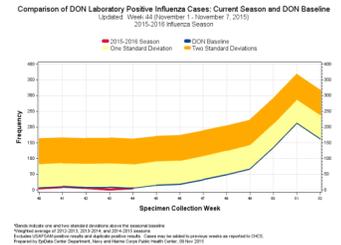
- This week, there were 53 DON cases identified in one or more data sources; pharmacy captured the highest proportion of cases (73.6%). Zero of this week's cases were identified in all three sources.
- Since Week 40, there have been 238 DON cases identified in at least one of the three data sources.



Laboratory

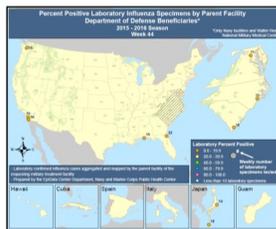
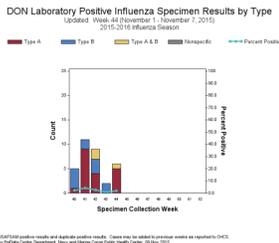
Case Frequencies

- Six laboratory positive influenza cases were identified during Week 44 (five type B, one type A & B), equal to baseline estimates.
 - Two cases were identified at NH Jacksonville. The remaining four were identified at four different facilities.
- Since Week 40, 30 laboratory positive cases were identified among DON beneficiaries. Top facilities thus far: NHC Hawaii (6), NH Camp Lejeune (4).



Specimen Positivity

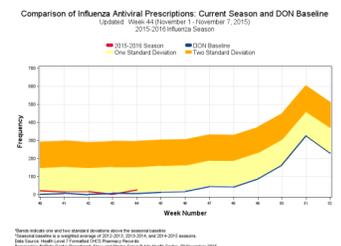
- 1.8% of all influenza specimens tested during Week 44 were positive, lower than last season (2.2%).
- When grouped by parent facility, ten (35.7%) locations tested more than ten specimens; three of these facilities testing more than ten specimens had positive results.



Test Types among Positive Influenza Specimens, n (%)				
	Rapid	Culture	PCR	Total
Week 42	7 (77.8)	2 (22.2)	0 (0.0)	9
Week 43	2 (100.0)	0 (0.0)	0 (0.0)	2
Week 44	6 (100.0)	0 (0.0)	0 (0.0)	6
Season	23 (69.7)	7 (21.2)	3 (9.1)	33

Antivirals

- 39 antiviral prescriptions were dispensed during week 44, above baseline but within one standard deviation.
 - Most common facilities this week: NMC San Diego (6), NH Pensacola (5), NH Jacksonville (4).
 - Since Week 40, the majority (97.9%) of prescriptions were for Oseltamivir.



Antiviral Medications Dispensed to DON Beneficiaries, n (%)					
	Amantadine	Oseltamivir	Rimantadine	Zanamivir	Total
Week 44	1 (2.6)	38 (97.4)	0 (0.0)	0 (0.0)	39
This Season	3 (2.1)	142 (97.9)	0 (0.0)	0 (0.0)	145

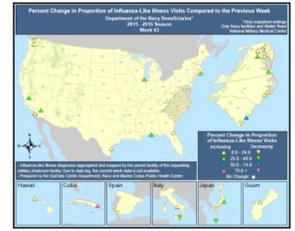
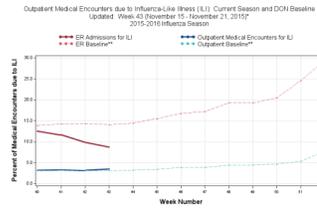
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Syndromic Surveillance

Influenza-Like Illness

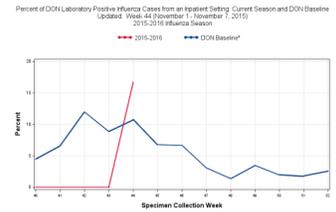
- The percent of medical encounters that included an ILI diagnosis during Week 43 (lagged due to data availability):
 - 3.5% of outpatient (slightly above baseline)
 - 8.7% of ER (below baseline).
- When grouped by parent facility, 28 DON facilities (71.4%) experienced an increase in the proportion of outpatient ILI visits during Week 43; ten facilities experienced an increase above 25%.



Severity Indicators

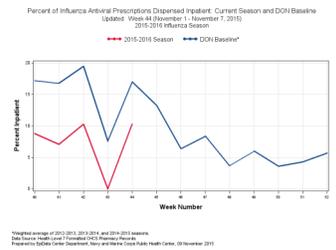
Inpatient Laboratory

- One (2.9%) of the 34 specimens tested for influenza in the inpatient setting were positive this week.
 - This week's case (influenza type A) was a 0-4 year old male child of a Navy service member at NH Jacksonville.



Inpatient Pharmacy

- Four (10.3%) AV prescriptions during Week 44 were in the inpatient setting (below baseline).
 - This week's cases were all dispensed oseltamivir; they include a 0-4 year old child at NH Jacksonville, an 18-44 year old spouse at NMC San Diego, an 18-44 year old active duty Navy service member at NMC Portsmouth, and an 18-44 year old spouse at NH Bremerton.



Influenza-Associated Hospitalization Reports

- There was one influenza-associated hospitalization reported to DRSi this week (one so far this season).
 - This week's case was a 0-4 year old male at NH Jacksonville. This case was also identified via laboratory and pharmacy surveillance.

Coinfections

- The percent of cases with bacterial coinfections this season (3.3%) remains below baseline (5.2%).
- There were no new coinfections identified during week 44.

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	3.3
Cumulative Baseline	0.0	23.1	76.9	5.2

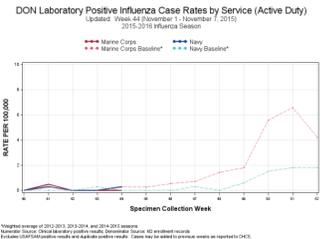
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Active Duty

- One laboratory positive influenza case (type A) was identified as an active duty Navy service member in Week 44 at NH Okinawa.
 - This case has no vaccination record.
- Fifteen active duty service members (9 Navy, 6 Marine Corps) were dispensed Oseltamivir during Week 44 at 11 different facilities.



Recruits

- There were no laboratory positive influenza cases among recruits in Week 44.
- There were no AVs dispensed to recruits during Week 44.

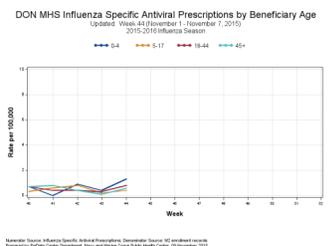
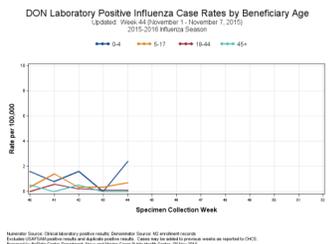
ACTIVE DUTY BOX - THIS WEEK'S VACCINATION STATUS FOR AD & RECRUIT CASES				
Status	Immunity Status	Vaccine Type		
		None	Total	Percent
Active Duty	No vaccination record	1	1	100.0%
Total		1	1	-

LAI/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, or after infection.
Prepared by EpiData Center Department, Navy and Marine Corps Public Health Center, 10 Nov 2015

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	2	1	0	0	3
AV Prescriptions	27	13	0	0	40

Children

- The rate of laboratory positive influenza cases remains low for all age groups. The highest rate during Week 44 was the 0-4 age group (2.4 per 100,000)
- Five laboratory positive influenza case were identified among children during Week 44, above baseline estimates for children.
 - Two children 0-4 and two children 5-17 were identified in outpatient settings at four different facilities. One child 0-4 was identified in an inpatient setting at NH Jacksonville.
- The rate of AV prescriptions remains low for all age groups.
- There were 10 AVs dispensed to children during Week 44, above baseline estimates for children.
 - This week's cases were all dispensed oseltamivir in outpatient settings with six children ages 0-4 and four ages 5-17 at NMC San Diego (3) and seven other facilities (1 each).



In the News

- US flu levels still low, with few global hot spots. [More](#)

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