

DON Influenza SITREP

2015-2016 Influenza Season
Week 41 (11 October — 17 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:

Nine laboratory positive influenza cases were identified during Week 41, below baseline. [More](#)

Antivirals (AVs):

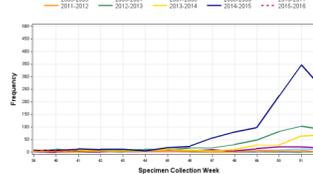
27 AV medications were dispensed in Week 41, within one standard deviation of baseline. [More](#)

Influenza-Like Illness (ILI):

Overall, 3.2% of outpatient medical encounters were due to ILI, comparable to baseline. [More](#)

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

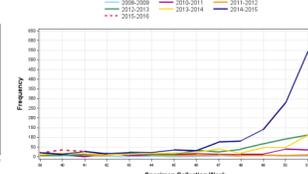
Updated: Week 41 (October 11 - October 17, 2015)



*Including 2003-04 Pandemic Season
Prepared by: CDC Influenza, NMCPHC, and NMCPHC Public Health Center. Data used in this report were reported to DDCS.
Prepared by: Public Health Center Department, Navy and Marine Corps Public Health Center, 10 October 2015

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

Updated: Week 41 (October 11 - October 17, 2015)



*Including 2003-04 Pandemic Season
Data Source: Health Care Utilization (HCU) System, Pharmacy
Prepared by: Public Health Center Department, Navy and Marine Corps Public Health Center, 10 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:

One bacterial coinfection has been identified among laboratory positive cases this season. [More](#)

Vaccination Rates

Active duty only

Navy: 33.4%
Marine Corps: 15.6%
US Fleet Forces: 40.6%
[More](#)

Source: MRRS, current as of 19 Oct 2015.

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Active Duty & Recruits:

In Week 41, one laboratory positive cases and three 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 40 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>

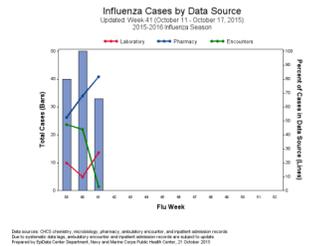
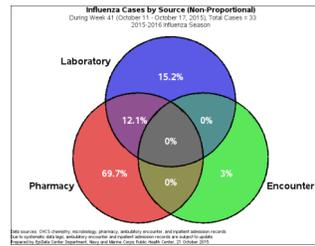


Influenza Activity and Surveillance

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.

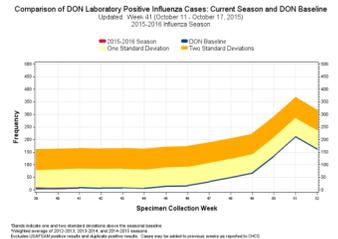
- This week, there were 33 DON cases identified in one or more data sources; pharmacy records included the majority of these cases (81.8%). None of this week's cases were identified in all three sources.
- Since Week 39, there have been 123 DON cases identified in these data sources.



Laboratory

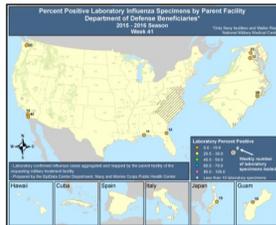
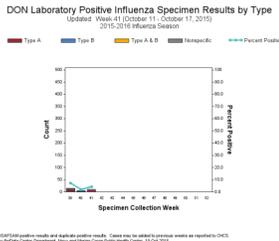
Case Frequencies

- Nine laboratory positive influenza cases were identified during Week 41 (7 type A, 2 type B), below baseline.
 - Three cases were identified at NHC Hawaii this week, the remainder were identified at five separate facilities.
- Since Week 39, 22 laboratory positive cases were identified among DON beneficiaries. Top four facilities: NMC San Diego (4), AMC-Tripler Shafter (3), NH Lemoore (3) and NHC Hawaii (3).



Specimen Positivity

- 4.1% of all influenza specimens tested during Week 41 were positive, lower than last season (5.1%).
- NH Pensacola, NH Bremerton, NH Camp Lejeune, and NMC San Diego each tested more than 10 specimens and had one positive result; NHC Hawaii tested six specimens and had four positive results.

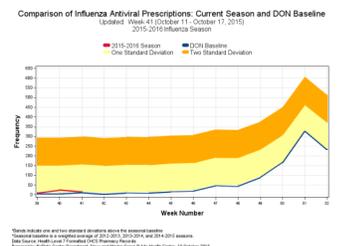


	Rapid	Culture	PCR	Total
Week 39	11 (78.6)	1 (7.1)	2 (14.3)	14
Week 40	3 (60.0)	1 (20.0)	1 (20.0)	5
Week 41	5 (50.0)	3 (30.0)	2 (20.0)	10
Season	19 (65.5)	5 (17.2)	5 (17.2)	29

Antivirals

- Twenty-seven antiviral prescriptions were dispensed during week 41, within one standard deviation of baseline.
 - Top two facilities this week: AMC-Tripler Shafter (5), NHC Hawaii (3).
- Since Week 39, the majority (97.6%) of prescriptions were for Oseltamivir.

	Amantadine	Oseltamivir	Rimantadine	Zanamivir	Total
Week 41	1 (3.7)	26 (96.3)	0 (0)	0 (0)	27
Since Week 39	2 (2.4)	80 (97.6)	0 (0)	0 (0)	82



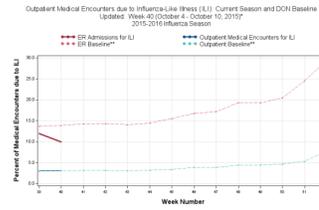
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Syndromic Surveillance

Influenza-Like Illness

- The percent of medical encounters that included an ILI diagnosis during Week 40 (lagged due to data availability):
 - 3.2% of outpatient (comparable to baseline)
 - 10.0% of ER (below baseline).
- Approximately half of the DON facilities (53.5%) experienced an increase in the proportion of outpatient ILI visits during Week 40; facilities with greatest increases were NH Sigonella and NH Rota.



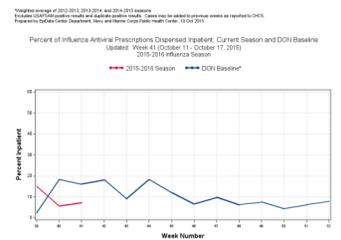
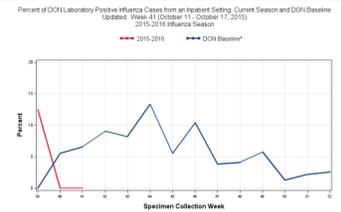
Severity Indicators

Inpatient Laboratory

- None of the 31 specimens tested for influenza in the inpatient setting were positive this week.

Inpatient Pharmacy

- Two (7.4%) AV prescriptions during Week 41 were in the inpatient setting (below baseline).
 - This week's cases were a spouse and a non-active duty sponsor aged 45 + at WRNMMC and Ft. Belvoir.



Influenza-Associated Hospitalization Reports

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

Coinfections

- One coinfection was identified among DON laboratory positive influenza patients so far this season.
 - The co-infected case this week was identified in an outpatient setting as a lower respiratory *Mycobacterium* infection.

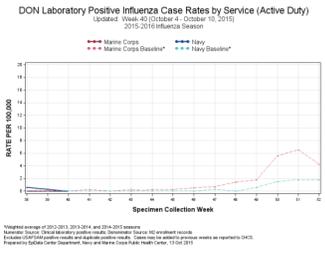
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Active Duty

- One laboratory positive influenza case (Type B) was identified among an active duty service member in Week 41 at NH Pensacola.
 - This case received an inactive influenza vaccine (injection) more than 14 days prior to infection.
- There were three AVs dispensed (all Oseltamivir) to active duty service members during Week 41 at three facilities, including NH Camp Pendleton, NMC San Diego, and WRNMMC.



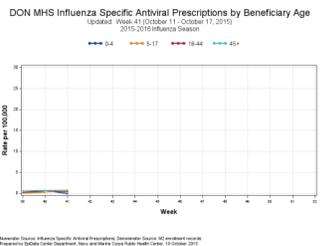
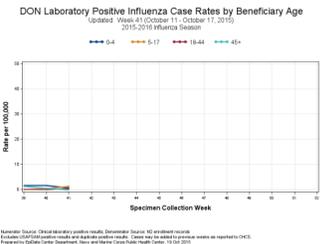
Recruits

- There were no laboratory positive influenza cases among recruits in Week 41.
- There were no AVs dispensed during Week 41 to recruits.

Number of DON Active Duty and Recruit Cases since Week 39, 2015-2016 Season					
Case Type	Active Duty		Recruits		Total
	Navy	Marine Corps	Navy	Marine Corps	
Laboratory Positive	2	0	0	0	2
AV Prescriptions	16	5	0	0	21

Children

- The rate of laboratory positive influenza cases remains low for all age groups. The highest rate during Week 41 was the 5-17 age group (1.4 per 100,000).
- Five laboratory positive influenza cases were identified among children during Week 40, above baseline estimates.
 - One child 0-4 and four children 5-17 were identified in outpatient settings at five separate facilities.
- The rate of AV prescriptions remains low for all age groups. Zero prescriptions were dispensed to age group 0 to 4 years, and all other age categories ranged from 0.4 to 0.8 per 100,000.
- There were six AV dispensed to children ages 5-17 years during Week 41, slightly above baseline estimates for children.
 - The six prescriptions were dispensed at AMC Tripler-Shafter (3), NHC Hawaii (2), and 460th Med Grp-Buckley AFB (1).



In the News

- A study of hospital admission for severe acute respiratory infections (SARIs) in military personnel found that recent flu vaccination lowered the risk of severe disease [More](#)
- The first CDC seasonal influenza surveillance reports overall activity is low, with H3N2 as the dominant strain. [More](#)

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