

DON Influenza SITREP

2015-2016 Influenza Season
Week 42 (18 October — 24 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:

Seven laboratory positive influenza cases were identified during Week 42, below baseline. [More](#)

Antivirals (AVs):

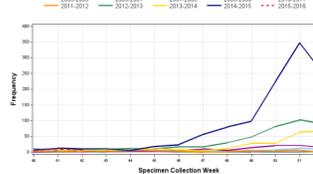
28 AV medications were dispensed in Week 42, within one standard deviation of baseline. [More](#)

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*

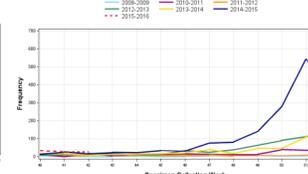
Updated: Week 42 (October 18 - October 24, 2015)



*Including 2005-2006 Pandemic Season
†Including 2009-2010 H1N1viral pandemic season. Cases for the 2009-2010 pandemic season are reported to DRSi.
‡Prepared by Public Health Center, Navy and Marine Corps Public Health Center, 27 Oct 2015

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

Updated: Week 42 (October 18 - October 24, 2015)



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‡Prepared by Public Health Center, Navy and Marine Corps Public Health Center, 27 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:

No bacterial coinfections were identified among laboratory positive cases this week, below baseline. [More](#)

Vaccination Rates

Active duty only

Navy: 40.8%
Marine Corps: 19.4%
US Fleet Forces: 48.9%
[More](#)

Source: MRRS, current as of 26 Oct 2015.

Select Populations

Active Duty & Recruits:

In Week 42, no laboratory positive cases and five 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>

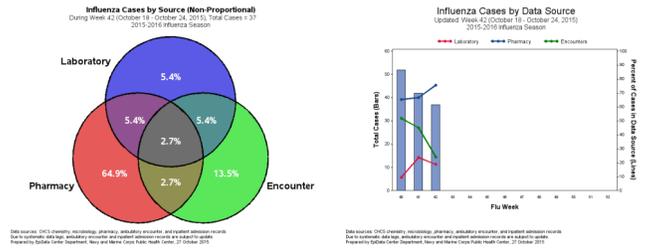


Influenza Activity and Surveillance

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 37 DON cases identified in one or more data sources; pharmacy captured the highest proportion of cases (75.7%). Six (16.2%) of this week's cases were identified in all three sources.
- Since Week 40, there have been 131 DON cases identified in at least one of the three data sources.

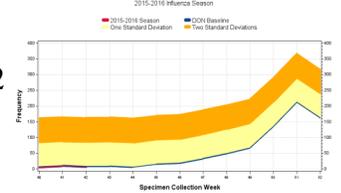


Laboratory

Case Frequencies

- Seven laboratory positive influenza cases were identified during Week 42 (3 type A, 2 type B, 2 dual infections), below baseline estimates.
 - Two cases were identified at NH Camp Lejeune, five additional facilities had one case each.
- Since Week 40, 22 laboratory positive cases were identified among DON beneficiaries. Top four facilities: NHC Hawaii (5), NH Camp Lejeune (3), and AMC-Tripler Shafter (2).

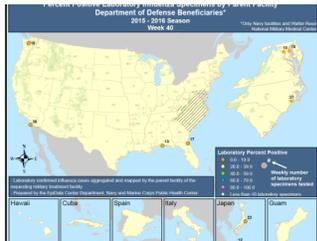
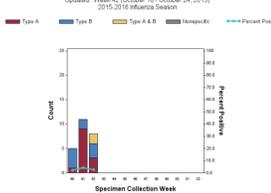
Comparison of DON Laboratory Positive Influenza Cases: Current Season and DON Baseline



Specimen Positivity

- 2.8% of all influenza specimens tested during Week 42 were positive, lower than last season (4.7%).
- When grouped by parent facility, nine (32.1%) locations tested more than 10 specimens, of which only Camp Lejeune (2) and NHC Hawaii (1) had positive results.

DON Laboratory Positive Influenza Specimen Results by Type



Test Types among Positive Influenza Specimens, n (%)

	Rapid	Culture	PCR	Total
Week 40	3 (60.0)	1 (20.0)	1 (20.0)	5
Week 41	5 (45.5)	4 (36.4)	2 (18.2)	11
Week 42	7 (87.5)	1 (12.5)	0 (0.0)	8
Season	15 (62.5)	6 (25)	3 (12.5)	24

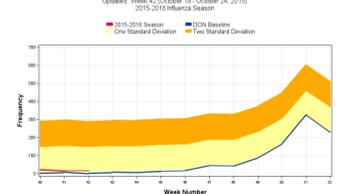
Antivirals

- 28 antiviral prescriptions were dispensed during week 42, within one standard deviation of baseline estimates.
 - Most common facilities this week: NH Camp Lejeune (5), NH Pensacola (4).
- Since Week 40, the majority (97.8%) of prescriptions were for Oseltamivir.

Antiviral Medications Dispensed to DON Beneficiaries, n (%)

	Amantadine	Oseltamivir	Rimantadine	Zanamivir	Total
Week 42	1 (3.6)	26 (96.4)	0 (0.0)	0 (0.0)	28
This Season	2 (2.2)	88 (97.8)	0 (0.0)	0 (0.0)	90

Comparison of Influenza Antiviral Prescriptions: Current Season and DON Baseline



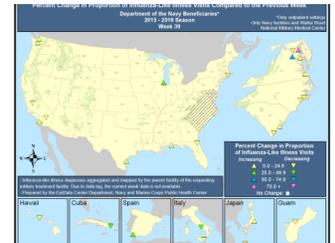
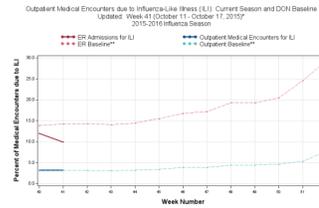
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Syndromic Surveillance

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)
 - 10.0% of ER (below baseline).
- When grouped by parent facility, about half of the DON facilities (46.4%) experienced an increase in the proportion of outpatient ILI visits during Week 41; facilities with greatest increases were NHC Annapolis and NHC Quantico.



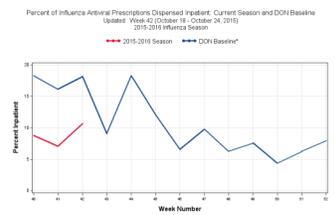
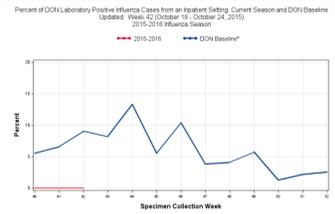
Severity Indicators

Inpatient Laboratory

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

Inpatient Pharmacy

- Three (10.7%) AV prescriptions during Week 42 were in the inpatient setting (below baseline).
 - This week's cases were an 18-44 year old female spouse dispensed oseltamivir at Ft. Belvoir, a 45+ year old female spouse dispensed amantadine at NMC San Diego, and a 45+ year old male non-active duty sponsor dispensed oseltamivir at NH Guam.



Influenza-Associated Hospitalization Reports

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

Coinfections

- There were no new coinfections identified among DON laboratory cases this week.
- One coinfection was been identified so far this season (*Moraxella*).
 - The coinfection was identified in an outpatient setting as a lower respiratory *Mycobacterium* infection influenza positive during Week 41.

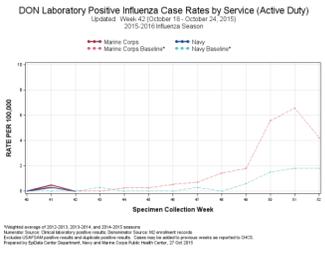
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Active Duty

- There were no laboratory positive influenza cases among active duty service members in Week 42.
- Five active duty service members (3 Navy, 2 Marine Corps) were dispensed oseltamivir during Week 42 at NHC Hawaii (2), NH Beaufort, NH Pensacola, and Ft. Meade.



Recruits

- There were no laboratory positive influenza cases among recruits in Week 42.
- There were no AVs dispensed to recruits during Week 42.

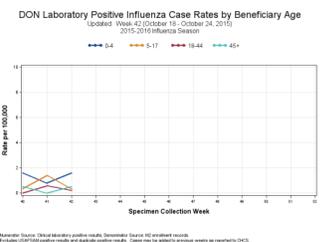
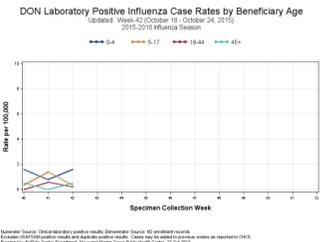
Status	Immunity Status	Vaccine Type		Total	Percent
		IVV			
Active Duty	Vaccinated; immune	1		1	50.0%
	Vaccinated; not immune	1		1	50.0%
Total		2		2	-

LAV: live-attenuated influenza vaccine (Intranasal), IVV: 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, 27 Oct 2015

Case Type	Active Duty		Recruits		Total
	Navy	Marine Corps	Navy	Marine Corps	
Laboratory Positive	1	1	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 42 was the 0-4 age group (1.6 per 100,000).
- Three laboratory positive influenza cases were identified among children during Week 42, equal to baseline estimates.
 - This week's cases were all outpatient with two children age 0-4 (NH Camp Lejeune, NHC Annapolis) and one child age 5-17 (NHC Hawaii).
- 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 0.9 per 100,000.
- There were 10 AVs dispensed to children during Week 42, above baseline estimates for children.
 - This week's cases were all outpatient with four children age 0-4 and six child age 5-17; top facilities: NH Camp Lejeune (4), NH Pensacola (2).



In the News

- The CDC reports influenza activity was still low for the second consecutive week of official reporting for the 2015-16 flu season, with Guam the only territory/state reporting widespread flu. [More](#)
- The WHO reports levels of flu and other respiratory viruses are declining in the Southern Hemisphere, with little activity or only sporadic detections elsewhere. [More](#)

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