

DON Influenza SITREP

2014-2015 Influenza Season
Week 11 (15 March — 21 March 2015)

Influenza Activity and Surveillance

Laboratory:

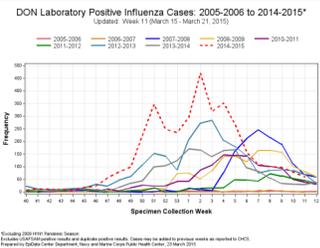
There were 60 laboratory positive influenza results among DON beneficiaries during Week 11, comparable to last week and about equal to the seasonal baseline. An increasing proportion of positive results were identified as influenza type B. [More](#)

Antivirals:

A total of 129 AV medications were dispensed to DON beneficiaries during Week 11, decreasing since last week; remained more than twice the seasonal baseline. [More](#)

Influenza-Like Illness:

Overall, 4.0% of outpatient medical encounters were due to influenza-like illness (ILI); this was slightly above the seasonal baseline. [More](#)



Severity Indicators

Inpatient:

Three of the 45 inpatient influenza tests performed during Week 11 were positive. This week, seven inpatient AV prescriptions were dispensed, and no inpatient cases were reported to DRSi. [More](#)

Coinfections:

There were three bacterial coinfections identified among DON beneficiaries since our last report. [More](#)

Vaccination

94.6% of Navy and 93.0% of Marine Corps active duty service members have received an influenza vaccine (as of 21 March 2015).

[More](#)

Select Populations

Active Duty & Recruits:

In Week 11, five Navy active duty service members had laboratory positive influenza results. There was one laboratory positive influenza tests among recruits. [More](#)

NHRC reports febrile respiratory illness (FRI) rates at Navy and Marine Corps recruit training facilities were at or below expected values during Week 10. [More](#)

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 7.6 and 5.5 per 100,000, respectively. There were 43 AV prescriptions dispensed to children this week, *twice* the seasonal baseline. [More](#)

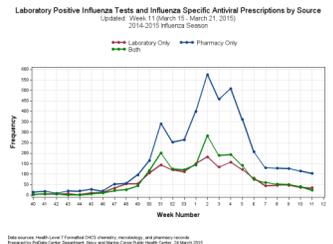
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

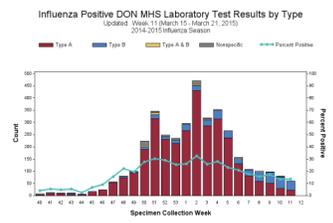
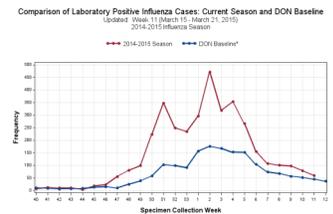
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 24.0% of all individuals with laboratory-confirmed influenza or prescription for influenza-specific antiviral were identified through both laboratory and pharmacy data sources.
- Among patients receiving AV prescriptions, 18.6% this week and 30.4% this season had positive laboratory results.



Laboratory:

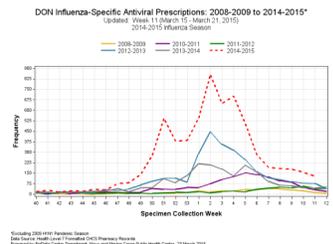
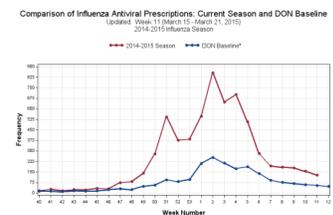
- There were 60 laboratory positive influenza results identified among DON beneficiaries in Week 11 (22 type A, 38 type B). An increasing proportion of positive results were positive for influenza type B.
 - The number of cases this week was less than last week; about the same as baseline. Number of cases this season is generally decreasing, approaching baseline.
 - 13.5% of all influenza tests performed were positive, compared to 4.9% during Week 11 of last season.
- The most laboratory positive cases this week occurred at NMC San Diego (9), NH Jacksonville (7), and NH Camp Lejeune (6).
- Since Week 40, 3,686 positive laboratory results have been identified among DON beneficiaries; NMC San Diego has the most cumulative cases (512), followed by NH Jacksonville (340) and NH Camp Lejeune (282).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 11	73.3%	5.0%	21.7%	0.0%	0.0%
Season	63.7%	12.7%	23.6%	0.0%	0.0%

Antivirals:

- There were 129 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (129 oseltamivir).
- Antiviral prescriptions continued to decrease during Week 11, but remain more than twice the seasonal baseline. Trend is similar to laboratory data.
- During Week 11, 7 (5.4%) of all AV prescriptions were dispensed in the inpatient setting.
- There have been 6,441 AVs prescribed to DON beneficiaries this season (25 amantadine, 6,415 oseltamivir, 1 zanamivir).



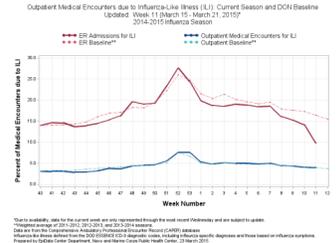
Back



Syndromic Surveillance

Influenza-Like Illness:

- During Week 11, 4.0% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this was comparable to the seasonal baseline.
- Among ER visits, 9.8% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the seasonal baseline.



Immunizations

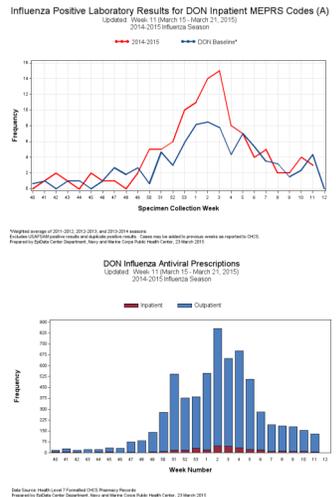
Vaccination Coverage:

- 94.6% of Navy and 93.0% of Marine Corps active duty service members have received an influenza vaccine. The Navy reserve vaccination rate (94.9%) is comparable to the active duty rate, while the Marine Corps reserve vaccination rate (88.4%) is below the active duty rate. **More**
- A total of 582 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (87.1%) were vaccinated at least 14 days prior to infection. **More**

Severity Indicators

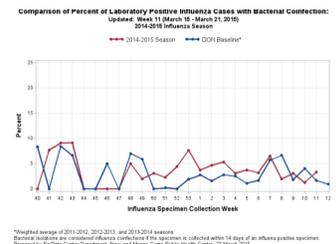
Inpatient Surveillance:

- There were 45 inpatient influenza tests performed among DON beneficiaries in Week 11; three (6.7%) were positive.
 - This week's inpatient cases included two type B positive sponsors (one Marine Corps retiree at NMC San Diego and one Navy retiree at WRNMMC; both 45+ years of age), and one type A positive Marine Corps recruit between 18 and 44 years of age at NMC San Diego.
- Seven of the AV prescriptions during Week 11 were in the inpatient setting.
 - This week, inpatient AVs were dispensed to two age groups: 18-44 (3) and 45+ (4). There were five Navy and two Marine Corps inpatients with AVs this week. They were distributed among active duty (1), recruits (1), spouses (2), and non-active duty sponsors (3); and more frequently male (4).
- There were no influenza-associated hospitalizations reported to DRSi this week.



Coinfections:

- Since our last report, three bacterial coinfections were identified among DON laboratory positive influenza patients.
- This week's coinfections were two upper respiratory *Streptococcus* infections (NHC Quantico and Landstuhl Regional Medical Center) and one non-respiratory *Enterococcus* infection (NMC San Diego).
- **Click here** for a complete list of coinfections identified since our last report.



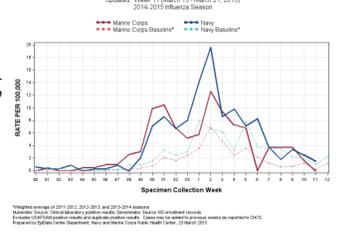
Back



Active Duty

- There were five laboratory positive influenza results among DON active duty service members in Week 11 (4 type A, 1 type B). There have been 582 influenza cases among active duty service members so far this season (392 Sailors, 190 Marines).
- All cases among active duty service members were among Navy personnel at outpatient facilities. One inpatient female Navy case was type A positive by PCR at NMC San Diego.
 - Two active duty cases were at NH Yokosuka. The remaining three cases were all at different facilities.
 - All five (100%) of the DON active duty influenza cases during Week 11 were vaccinated at least 14 days prior to infection.
- There were 21 AVs dispensed (all oseltamivir) to active duty service members during Week 11, slightly less than last week.

Influenza Positive DON MHS Laboratory Test Results by Service (Active Duty)



Status	Immunity Status	Vaccine Type					Total	Percent
		LAV	IV	Unspecified Formulation	LAV & IV	None		
Active Duty	Vaccinated; immune	228	251	7	21	-	507	87.3%
	Vaccinated; not immune	4	24	1	1	-	30	5.2%
No vaccination record		-	-	-	-	45	45	7.7%
Total		232	275	8	22	45	582	-
Recruit	Vaccinated; immune	35	30	-	3	-	68	60.8%
	Vaccinated; not immune	15	3	-	1	-	19	24.3%
No vaccination record		-	-	-	-	12	12	15.2%
Total		50	33	-	4	12	79	-

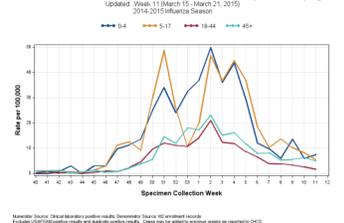
Recruits:

- There was one laboratory positive influenza test (type A) among DON recruits in Week 11. There have been 78 influenza cases among recruits so far this season (54 Sailors, 25 Marines).
 - The recruit case this week was a Marine at an inpatient facility at NMC San Diego.
- There were four AVs (all oseltamivir) dispensed during Week 11 to three Navy and one Marine Corps recruits. AVs were dispensed at NMC San Diego (2), NHC New England (1), and 59th MDW-JBSA Lackland (1).

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 11 were 7.6 and 5.5 per 100,000, respectively.
- There were 43 AV medications prescribed to children during Week 11, less than last week. AV medications prescribed to children this week were *twice* the seasonal baseline.

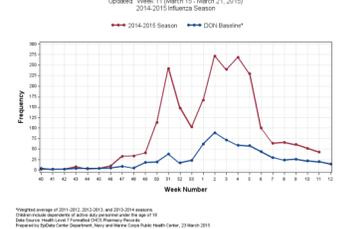
Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



Other Age Groups:

- During Week 11, laboratory influenza rates among the 18-44 and 45+ age groups were 1.7 and 5.1 per 100,000, respectively.

Comparison of Influenza Antiviral Prescriptions in Children: Current Season and DON Baseline



In the News

- As flu continues to ebb, CDC probes reports of rashes. [More](#)
- Influenza B viruses accounted for the largest proportion of circulating flu viruses in recent weeks. [More](#)

Back

