

DON Influenza SITREP

2014-2015 Influenza Season

Week 50 (7 December 2014 — 13 December 2014)

Influenza Activity and Surveillance

Laboratory:

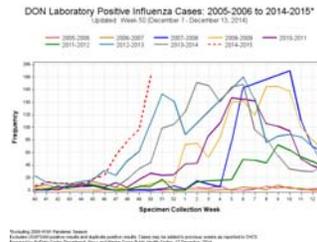
There were 182 laboratory positive influenza results among DON beneficiaries during Week 50 (*over twice* the seasonal baseline). **More**

Antivirals:

There were 274 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (272 oseltamivir, 2 amantadine). Influenza-specific AV prescriptions this week nearly *five* times the seasonal baseline. **More**

Influenza-Like Illness:

Overall, 4.8% of outpatient medical encounters were due to influenza-like illness (ILI); this was below the seasonal baseline. **More**



Vaccination

85.1% of Navy and 77.0% of Marine Corps active duty service members have received an influenza vaccine (as of 13 December 2014).

More

Reminder: The DOD's personnel vaccination goal is 90% vaccine coverage by 15 December 2014.

Severity Indicators

Inpatient:

One of the 22 inpatient influenza tests performed during Week 50 were positive. Seven inpatient AV prescriptions were dispensed this week. Four inpatient cases were reported to DRSi during Week 50. **More**

Coinfections:

There were four bacterial coinfections identified among DON beneficiaries since our last report. **More**

Select Populations

Active Duty & Recruits:

In Week 50, 17 Navy and 16 Marine Corps active duty service members had laboratory positive influenza results. Ten Navy recruits in Week 50 had a laboratory positive influenza result. **More**

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 22.6 and 25.9 per 100,000, respectively. There were 114 AV prescriptions dispensed to children this week; six times the seasonal baseline. **More**

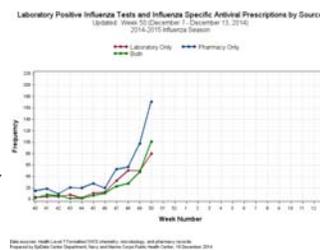
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

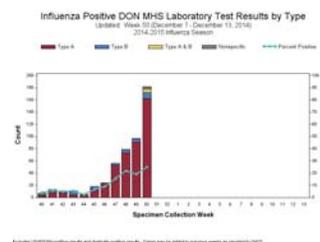
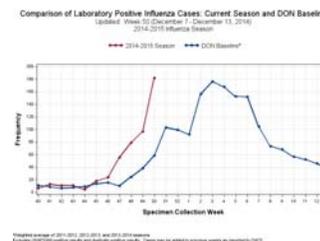
Several sources of data were utilized to identify influenza cases across the DON, including certified laboratory results, antiviral pharmacy transactions, and DRSi case reports.

- Since week 40, 23.7% of all individuals with laboratory-confirmed influenza or receipt of an influenza-specific antiviral were identified through both laboratory and pharmacy data sources.
- During Week 50, one inpatient laboratory-confirmed influenza case was identified; however, this individual was not reported to DRSi



Laboratory:

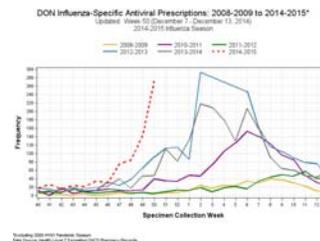
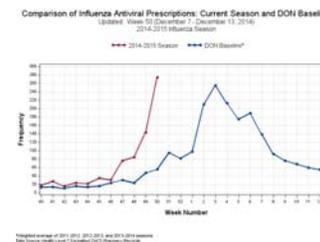
- There were 182 positive laboratory influenza results identified among DON beneficiaries in Week 50 (162 type A, 10 type B, 6 type A&B, 4 non-specific).
 - The number of cases this week is *three times* the seasonal baseline.
- The most laboratory positive cases this week occurred at NH Jacksonville (18), NH Camp Lejeune (18), NH Pensacola (15), and Lovell FHCC - Great Lakes (13).
 - NH Camp Lejeune has had the most cumulative cases since week 40 (137), followed by NH Jacksonville (65), and NH Pensacola (45).
- During Week 50, 25.0% of all influenza tests performed were positive.
 - This is higher than the percent of tests with positive results in Week 50 of last season (7.8%).
- In Week 50, most cases were positive by rapid testing (75.3%), followed by PCR (19.8%), and culture (4.9%).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 50	75.3%	4.9%	19.8%	0.0%	0.0%
Season	75.1%	10.3%	14.5%	0.0%	0.0%

Antivirals:

- There were 274 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (272 oseltamivir, 2 amantadine), nearly *doubling* compared to the previous week.
- Antiviral prescriptions during Week 50 were approximately *five times* the seasonal baseline.
- Seven of the antiviral prescriptions during Week 50 were in the inpatient setting.
- There have been 752 AVs prescribed to DON beneficiaries this season (740 oseltamivir, 12 amantadine).

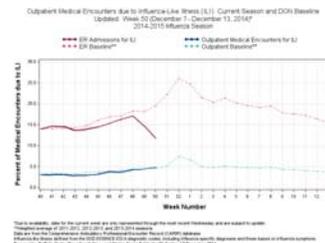


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Influenza-Like Illness:

- During Week 50, 4.8% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this was slightly below the seasonal baseline.
- Among ER visits, 11.8% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was also below the seasonal baseline.



Immunizations

Vaccination Coverage:

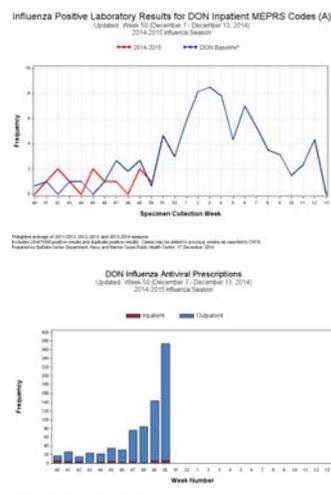
- Eight of the 33 laboratory-identified active duty influenza cases during Week 50 had no record of vaccination; the 25 vaccinated received IIV (injection; 16), LAIV (intranasal; 8), or had an unspecified formulation (1).
- 85.1% of Navy and 77.0% of Marine Corps active duty service members have received an influenza vaccine.
 - 93% of US Fleet Forces personnel have received an influenza vaccine, meeting the DOD vaccination coverage goal by December 6.
- 84.6% of Navy and 72.1% of Marine Corps reservists have received an influenza vaccine.

[More](#)

Severity Indicators

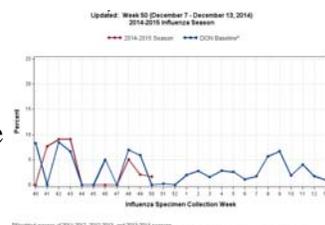
Inpatient Surveillance:

- There were 22 inpatient influenza tests performed among DON beneficiaries in Week 50; one was positive.
 - The inpatient case was type A positive, active duty Marine at NH Camp Pendleton. This case was not reported to DRSi.
- Seven AV medications were prescribed in the inpatient setting this week.
 - One patient was 0-4 years, three were between 18-44 years, and three were above 45 years old.
- Four influenza-associated hospitalizations were reported to DRSi this week.
 - Three cases were reported from Walter Reed Army Medical Center and have laboratory confirmed results from an outpatient setting.
 - One case was reported from NMC Portsmouth and had a laboratory confirmed result in an inpatient setting during week 49.



Coinfections:

- During Week 50, four bacterial coinfections were identified among DON laboratory positive influenza patients.
 - Two upper respiratory *Streptococcus* infections were identified among an active duty member and recruit in outpatient settings at Lovell FHCC - Great Lakes and NH Beaufort.



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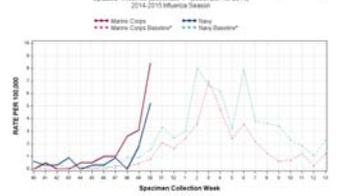
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Active Duty

- There were 33 laboratory positive influenza results among DON active duty service members in Week 50.
 - Fourteen Marine Corps and 17 Navy service members were type A positive, one Marine was type B positive, and one Marine was type A&B positive.
 - The largest number of cases were identified at NH Camp Pendleton (5), NH Pensacola (5), and NH Beaufort (3).
 - Eight of the 33 DON active duty influenza cases had no vaccination record.
- Since Week 40, 62.3% (43) of the DON active duty laboratory positive cases were vaccinated at least 14 days prior to infection.
- 48 active duty service members received AVs during Week 50.
 - Five prescriptions were dispensed at Lovell FHCC - Great Lakes and four at NH Pensacola; the remaining were dispensed to active duty members at varying locations. All active duty members received oseltamivir.

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



Number of DON active duty service members identified as laboratory positive for influenza during the 2014-2015 influenza season. Population data are based on the most recent available data from the Defense Health Agency as of November 17, 2014.

Vaccination Status of DON Active Duty and Reserve Influenza Cases, 2014-2015 Season

Status	Vaccination Status	Vaccine Type				Total	Percent
		LAIV	SV	Unspecified	LAIV & SV		
Active Duty	Vaccinated before	13	20	5	38	45	43.2%
	Vaccinated on or after	9	8	1	18	21.7%	
	No vaccination record	-	-	-	15	15	21.7%
Total		22	28	6	56	66	
Reserve	Vaccinated before	0	-	2	2	4	20.0%
	Vaccinated on or after	0	3	-	3	6	30.0%
	No vaccination record	0	0	0	0	0	0.0%
Total		0	3	2	5	10	

LABORATORY-CONFIRMED influenza vaccine recipients (both annual and trivalent influenza vaccine recipients) vaccinated before (more than 14 days prior to infection), vaccinated on or after (14 days prior to infection or after infection). Vaccination status unknown for 18 active duty and 17 reserve cases as of November 17, 2014.

Prepared by: Defense Health Agency, Navy and Marine Corps Public Health Center, 17 December 2014

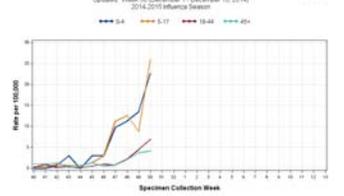
Recruits:

- Ten Navy recruits were laboratory positive at Lovell FHCC - Great Lakes (7 type A; 2 type B) and NHC Cherry Point (1 type A) in Week 50.
- There were nine AV's dispensed to a recruits at Lovell FHCC - Great Lakes (8) and NHC Cherry Point (1) during Week 50.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 50 were 22.6 and 25.9 per 100,000, respectively.
- There were 114 AV medications prescribed to children during Week 50. The number of AVs dispensed to children this week was *six times* the seasonal baseline.

Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age

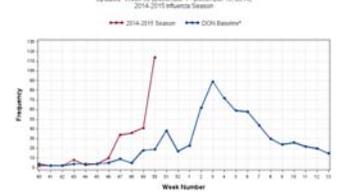


Number of DON MHS laboratory positive influenza beneficiaries identified as laboratory positive for influenza during the 2014-2015 influenza season. Population data are based on the most recent available data from the Defense Health Agency as of November 17, 2014.

Other Age Groups:

- During Week 50, the laboratory influenza rates among the 18-44 and 45+ age groups were 6.9 and 4.3 per 100,000, respectively.

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



Number of influenza antiviral prescriptions dispensed to children (0-17 years old) during the 2014-2015 influenza season. Population data are based on the most recent available data from the Defense Health Agency as of November 17, 2014.

In the News

- New CDC report shows benefits of flu vaccine last season but fewer than half of Americans say they have been vaccinated this season. [More](#)
- CDC reports widespread influenza activity in 14 states. [More](#)
- FDA approves Sanofi's quadrivalent, intradermal flu vaccine. [More](#)

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