

DON Influenza SITREP

2014-2015 Influenza Season
Week 7 (15 February — 21 February 2015)

Influenza Activity and Surveillance

Laboratory:

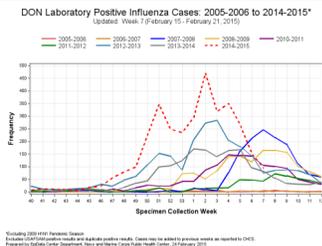
There were 95 laboratory positive influenza results among DON beneficiaries during Week 7, less than the previous week yet slightly above the seasonal baseline. [More](#)

Antivirals:

A total of 184 AV medications were prescribed to DON beneficiaries during Week 7, decreasing since last week yet twice the seasonal baseline. [More](#)

Influenza-Like Illness:

Overall, 4.8% of outpatient medical encounters were due to influenza-like illness (ILI); this was slightly above the seasonal baseline. [More](#)



Severity Indicators

Inpatient:

Five of the 40 inpatient influenza tests performed during Week 7 were positive. This week, eight inpatient AV prescriptions were dispensed, and no inpatient cases were reported to DRSi. [More](#)

Coinfections:

There were 18 bacterial coinfections identified among DON beneficiaries since our last report. [More](#)

Vaccination

93.3% of Navy and 91.0% of Marine Corps active duty service members have received an influenza vaccine (as of 21 February 2015).

[More](#)

Select Populations

Active Duty & Recruits:

In Week 7, 11 Navy and six Marine Corps active duty service members had laboratory positive influenza results. There were no laboratory positive influenza tests among DON 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 7. [More](#)

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 8.3 and 9.6 per 100,000, respectively. There were 62 AV prescriptions dispensed to children this week, twice the seasonal baseline. [More](#)

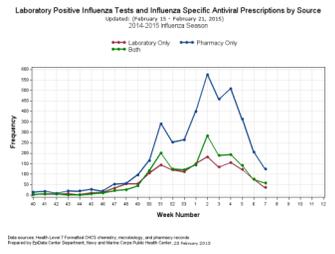
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

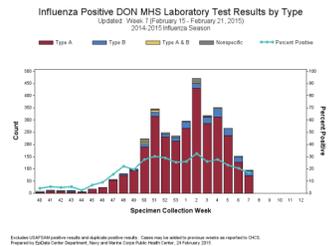
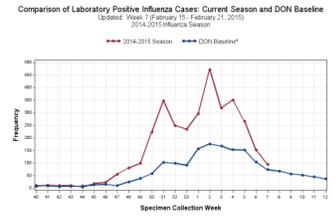
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 24.4% 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, 31.7% this week and 30.9% this season had positive laboratory results.



Laboratory:

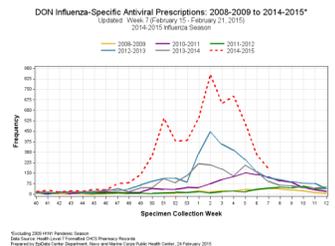
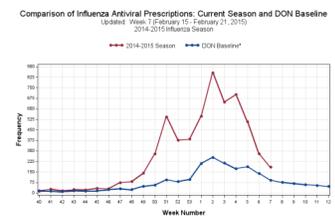
- There were 95 positive influenza laboratory results identified among DON beneficiaries in Week 7 (71 type A, 22 type B, 1 type A & B, 1 unspecified).
 - The number of cases this week has decreased since the previous week but remains slightly above baseline.
 - 16.9% of all influenza tests performed were positive, compared to 8.8% during Week 7 of last season.
- The most laboratory positive cases this week occurred at NMC San Diego (12) and NH Jacksonville (11).
- Since Week 40, 3,329 positive laboratory results have been identified among DON beneficiaries; NMC San Diego has the most cumulative cases (469), followed by NH Jacksonville (290) and NH Camp Lejeune (263).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 7	76.8%	4.2%	18.9%	0.0%	0.0%
Season	63.7%	12.7%	23.6%	0.0%	0.0%

Antivirals:

- There were 184 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (183 oseltamivir, 1 amantadine).
- Antiviral prescriptions during Week 7 decreased since the week prior, but remain twice the seasonal baseline.
- During Week 7, 8 (4.3%) of all AV prescriptions were dispensed in the inpatient setting.
- There have been 5,785 AVs prescribed to DON beneficiaries this season (5,762 oseltamivir, 23 amantadine).

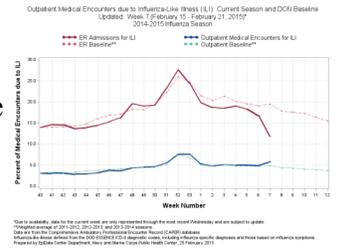


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Influenza-Like Illness:

- During Week 7, 4.8% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this was above the seasonal baseline.
- Among ER visits, 11.8% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the seasonal baseline.



Immunizations

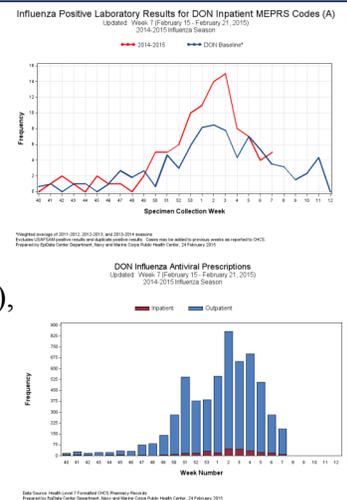
Vaccination Coverage:

- 93.3% of Navy and 91.0% of Marine Corps active duty service members have received an influenza vaccine. Reserve vaccination rates are slightly below the rates of active duty service members (93.3% Navy, 87.2% Marine Corps). **More**
- A total of 531 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (85.9%) were vaccinated at least 14 days prior to infection. **More**

Severity Indicators

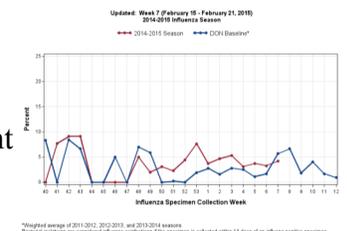
Inpatient Surveillance:

- There were 40 inpatient influenza tests performed among DON beneficiaries in Week 7; 5 (12.5%) were positive.
 - This week's inpatient cases were two spouses, two retirees, and one child. The cases were identified at NMC San Diego (2 type A, 1 type B), NH Camp Pendleton (1 type A), and San Antonio MMC-Ft. Sam Houston (1 type B).
- Eight of the AV prescriptions during Week 7 were in the inpatient setting.
 - Inpatient AVs were dispensed to patients across all age groups: 0-4 (2), 5-17 (1), 18-44 (3), 45+ (2).
- There were no influenza-associated hospitalizations reported to DRSi this week.



Coinfections:

- Since our last report, 18 bacterial coinfections were identified among DON laboratory positive influenza patients; the percent of patients with a bacterial coinfection was slightly below the seasonal baseline.
- This week, seven outpatient upper respiratory infections were identified at five different facilities (5 *Streptococcus*, 1 *Pseudomonas*, 1 *Escherichia*).
- One lower respiratory coinfection (*Pseudomonas*) was an inpatient case at NMC San Diego.



[Click here](#) for a complete list of coinfections identified since our last report.

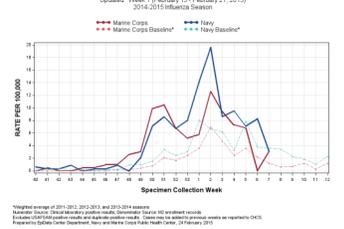
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Active Duty

- There were 17 laboratory positive influenza results among DON active duty service members in Week 7 (15 type A, 1 type B, 1 unspecified).
 - There were 11 Navy and six Marine Corps active duty cases, all in outpatient facilities.
 - The active duty cases were spread across 14 facilities with one to two cases each.
 - The majority (14) of the 17 DON active duty influenza cases during Week 7 were vaccinated at least 14 days prior to infection; three had no record of vaccination.
- There were 37 AVs dispensed (36 oseltamivir, 1 amantadine) to active duty service members during Week 7, decreasing compared to last week.

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



Status	Immunity Status	Vaccine Type				Total	Percent
		LAV	IV	Unspecified	LAV & IV		
Active Duty	Vaccinated, immune	204	226	7	19	456	85.9%
	Vaccinated, not immune	4	22	1	-	27	5.1%
	No vaccination record	-	-	-	-	48	9.0%
Total		208	248	8	19	483	
Recruit	Vaccinated, immune	34	8	-	3	45	59.2%
	Vaccinated, not immune	25	1	-	1	27	22.4%
	No vaccination record	-	-	-	-	14	18.4%
Total		59	9	-	4	76	

LAV=live-attenuated influenza vaccine (intranasal), IV=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 SpIData Center Department, Navy and Marine Corps Public Health Center, 25 February 2015

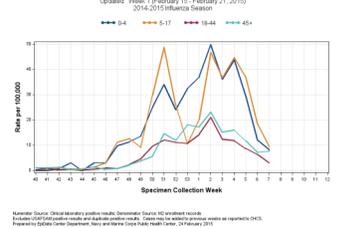
Recruits:

- There were no laboratory positive influenza tests among DON recruits in Week 7.
- There was one AV (oseltamivir) dispensed to a male Navy recruit during Week 7 at James A. Lovell FHCC.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 7 were 8.3 and 9.6 per 100,000, respectively.
- There were 62 AV medications prescribed to children during Week 7, decreasing since last week. AV medications prescribed to children this week are twice the seasonal baseline.

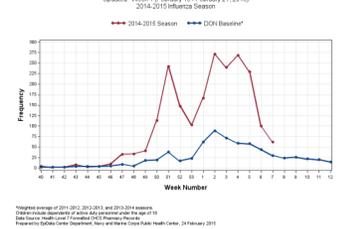
Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



Other Age Groups:

- During Week 5, laboratory influenza rates among the 18-44 and 45+ age groups were 3.1 and 7.7 per 100,000, respectively.

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



In the News

- Warning signals from the volatile world of influenza viruses. [More](#)
- Avian influenza viruses found in Northwestern states. [More](#)
- Studies from Spain, Scotland support flu vaccine effectiveness. [More](#)

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