

DON Influenza SITREP

2014-2015 Influenza Season
Week 8 (22 February — 28 February 2015)

Influenza Activity and Surveillance

Laboratory:

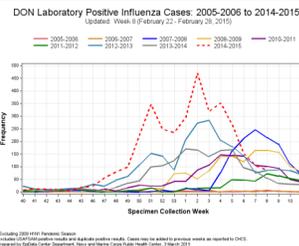
There were 85 laboratory positive influenza results among DON beneficiaries during Week 8, less than the previous week yet slightly above the seasonal baseline. [More](#)

Antivirals:

A total of 174 AV medications were dispensed to DON beneficiaries during Week 8, decreasing since last week, yet more than 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:

Two of the 40 inpatient influenza tests performed during Week 8 were positive. This week, eight 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

93.7% of Navy and 92.0% of Marine Corps active duty service members have received an influenza vaccine (as of 28 February 2015).

[More](#)

Select Populations

Active Duty & Recruits:

In Week 8, six Navy and six Marine Corps active duty service members had laboratory positive influenza results. There were two 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 4.5 and 11.6 per 100,000, respectively. There were 61 AV prescriptions dispensed to children this week, almost *three times* the seasonal baseline. [More](#)

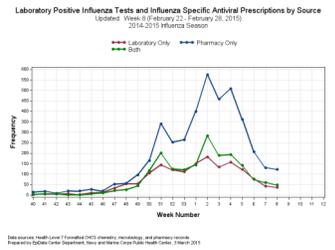
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

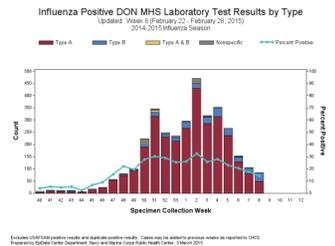
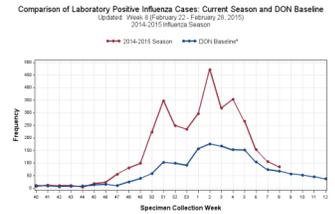
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 24.3% 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, 23.3% this week and 28.3% this season had positive laboratory results.



Laboratory:

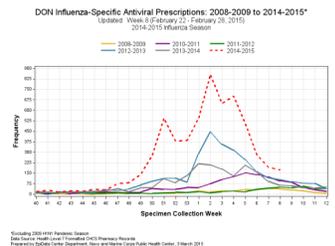
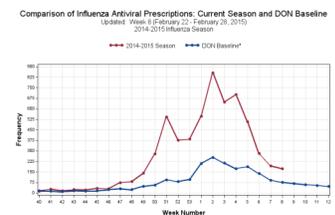
- There were 85 positive influenza laboratory results identified among DON beneficiaries in Week 8 (48 type A, 36 type B, 1 type A & B).
 - The number of cases this week has decreased since the previous week but remains slightly above baseline.
 - 14.2% of all influenza tests performed were positive, compared to 7.2% during Week 8 of last season.
- The most laboratory positive cases this week occurred at NH Pensacola (10), NMC San Diego (8) and NH Jacksonville (8).
- Since Week 40, 3,428 positive laboratory results have been identified among DON beneficiaries; NMC San Diego has the most cumulative cases (477), followed by NH Jacksonville (298) and NH Camp Lejeune (267).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 8	78.8%	2.4%	18.8%	0.0%	0.0%
Season	63.6%	12.7%	23.7%	0.0%	0.0%

Antivirals:

- There were 174 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- Antiviral prescriptions during Week 8 decreased compared to last week, but remain more than twice the seasonal baseline.
- During Week 8, eight (4.8%) of all AV prescriptions were dispensed in the inpatient setting.
- There have been 5,968 AVs prescribed to DON beneficiaries this season (5,945 oseltamivir, 23 amantadine).

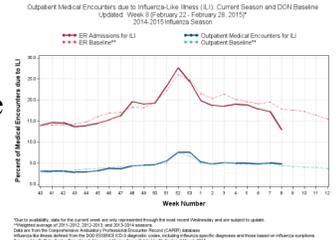


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Influenza-Like Illness:

- During Week 8, 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, 13.1% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the seasonal baseline.



Immunizations

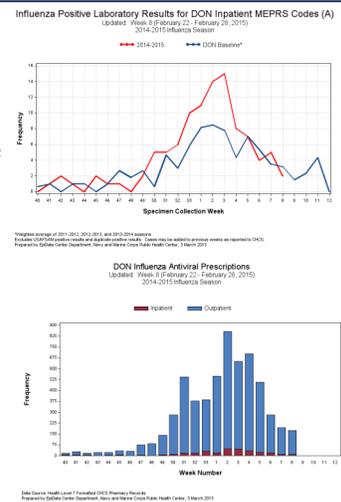
Vaccination Coverage:

- 93.7% of Navy and 92.0% of Marine Corps active duty service members have received an influenza vaccine. The Navy reserve vaccination rate (94.0%) is slightly above the active duty rate, while the Marine Corps reserve vaccination rate (87.8%) is below the active duty rate. **More**
- A total of 547 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (86.3%) were vaccinated at least 14 days prior to infection. **More**

Severity Indicators

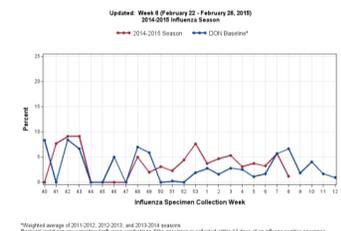
Inpatient Surveillance:

- There were 34 inpatient influenza tests performed among DON beneficiaries in Week 8; two (5.9%) were positive.
 - This week's inpatient cases were both type A positive female Navy spouses age 18-44, one at NH Guantanamo Bay and one at Eglin AFB.
- Eight of the AV prescriptions during Week 8 were in the inpatient setting.
 - Inpatient AVs were dispensed to adult patients only this week: ages 18-44 (3) and 45+ (2). Patients with AVs this week were all Navy, and most commonly female spouses (6).
- 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; the percent of patients with a bacterial coinfection was slightly below the seasonal baseline.
- This week's coinfections were two upper respiratory *Streptococcus* infections (Ft. Leavenworth and Brooke AMC) and one non-respiratory *Escherichia* infection.



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

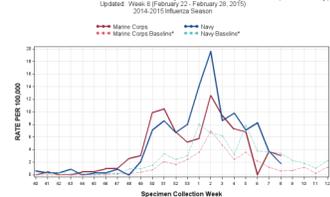
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Active Duty

- There were 12 laboratory positive influenza results among DON active duty service members in Week 8 (10 type A, 2 type B).
 - There were six Navy and six Marine Corps active duty cases, all in outpatient facilities.
 - NH Pensacola and NH Camp Lejeune each had three active duty cases this week. The remaining six cases were all at different facilities.
 - All of the 12 DON active duty influenza cases during Week 8 were vaccinated at least 14 days prior to infection.
- There were 37 AVs dispensed (all oseltamivir) to active duty service members during Week 8, comparable to last week.

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



Status	Immunity Status	Vaccine Type				Total	Percent
		LAIV	IV	Unspecified Formulation	LAIV & IV		
Active Duty	Vaccinated: Immune	214	232	7	19	472	85.3%
	Vaccinated: not immune	4	23	1	1	29	5.3%
	No vaccination record	-	-	-	-	46	8.4%
Total		218	255	8	20	547	
Recruit	Vaccinated: Immune	34	3	-	3	46	59.0%
	Vaccinated: not immune	15	1	-	1	17	21.8%
	No vaccination record	-	-	-	-	15	19.2%
Total		49	10	-	4	78	

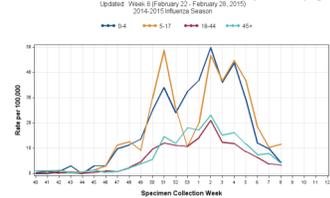
Recruits:

- There were two laboratory positive influenza tests among DON recruits in Week 8.
 - This week's cases were both male type a positive in the outpatient setting, one Sailor at NH Yokosuka and one Marine at NMC San Diego.
 - One recruit case this week was vaccination at least 14 days prior to infection, the other case had no record of influenza vaccination.
- There was one AV (oseltamivir) dispensed to a male Navy recruit during Week 8 at NH Yokosuka.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 8 were 4.5 and 11.6 per 100,000, respectively.
- There were 24 AV medications prescribed to children during Week 8, decreasing compared to last week. AV medications prescribed to children this week are almost *three times* the seasonal baseline.

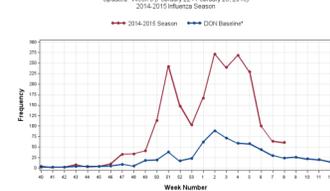
Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



Other Age Groups:

- During Week 8, laboratory influenza rates among the 18-44 and 45+ age groups were 3.4 and 4.3 per 100,000, respectively.

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



In the News

- The CDC reports that influenza activity has been elevated for the 14 consecutive weeks nationally, while the average length of previous seasons is 13 weeks. The influenza activity in the US is trending downward, but expected to last longer than previous seasons. [More](#)
- The WHO released the recommended composition of influenza virus vaccines for the 2015-2016 influenza season in the northern hemisphere. [More](#)

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