

DON Influenza SITREP

2014-2015 Influenza Season
Week 17 (26 April — 2 May 2015)

Influenza Activity and Surveillance

Laboratory:

There were 15 laboratory positive influenza results among DON beneficiaries during Week 17, which was slightly below baseline. [More](#)

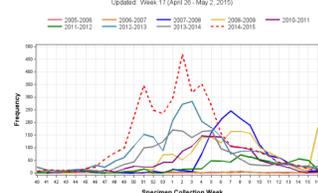
Antivirals:

A total of 33 AV medications were dispensed to DON beneficiaries during Week 17, which was above baseline. [More](#)

Influenza-Like Illness:

Overall, 3.4% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to baseline. [More](#)

DON Laboratory Positive Influenza Cases: 2005-2006 to 2014-2015*



Severity Indicators

Inpatient:

One of the inpatient influenza tests performed during Week 17 was positive. This week, five inpatient AV prescriptions were dispensed, and no inpatient cases were reported to DRSi. [More](#)

Coinfections:

There were no bacterial coinfections identified among DON beneficiaries since last report. [More](#)

Vaccination

95.3% of Navy and 94.0% of Marine Corps active duty service members received an influenza vaccine (as of 2 May 2015).

[More](#)

Select Populations

Active Duty & Recruits:

In Week 17, three active duty service members had laboratory positive influenza results. There were no 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 15. [More](#)

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 1.5 and 1.4 per 100,000, respectively. There were four AV prescriptions dispensed to children this week, comparable to baseline. [More](#)

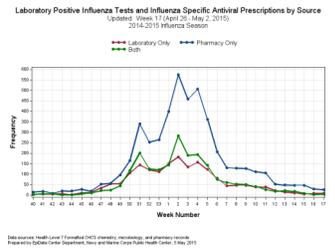
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

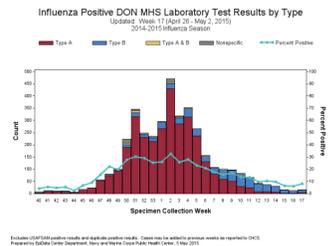
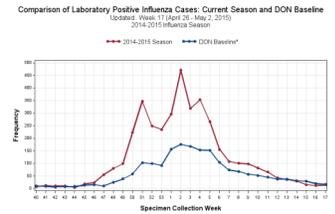
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 14.3% 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, 18.2% this week and 30.1% this season had positive laboratory results.



Laboratory:

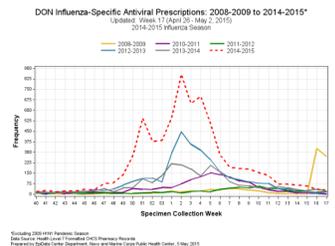
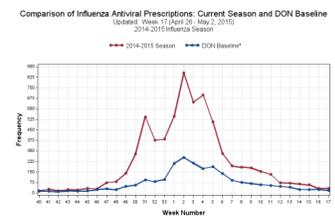
- There were 15 laboratory positive influenza results identified among DON beneficiaries in Week 17 (4 type A, 10 type B, 1 type A & B).
 - The number of cases this week remains low and was below baseline.
 - 8.1% of all influenza tests performed were positive, compared to 4.3% during Week 17 of last season.
- The most laboratory positive cases this week occurred at NMC San Diego (3) and NH Jacksonville (3).
- Since Week 40, 3,848 positive laboratory results were identified among DON beneficiaries; NMC San Diego has the most cumulative cases (535), followed by NH Jacksonville (357) and NH Camp Lejeune (287).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 17	73.3	6.7	20.0	0.0	0.0
Season	63.5	13.0	23.6	0.0	0.0

Antivirals:

- There were 33 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (2 amantadine, 31 oseltamivir).
- Antiviral prescriptions were above baseline, but continue on a generally decreasing trend.
- During Week 17, five (15.2%) of all AV prescriptions were dispensed in the inpatient setting.
- There have been 6,776 AVs prescribed to DON beneficiaries this season (33 amantadine, 6,742 oseltamivir).



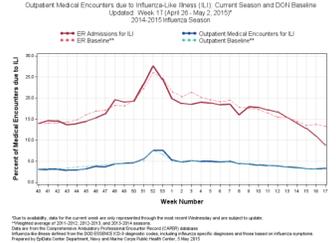
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Syndromic Surveillance

Influenza-Like Illness:

- During Week 17, 3.4% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this was comparable to the baseline.
- Among ER visits, 8.9% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the baseline.



Immunizations

Vaccination Coverage:

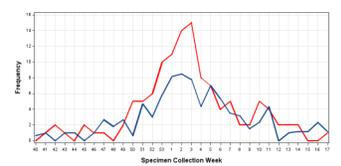
- 95.3% of Navy and 95.3% of Marine Corps active duty service members have received an influenza vaccine. The Navy reserve vaccination rate (95.4%) is comparable to the active duty rate, while the Marine Corps reserve vaccination rate (89.1%) is below the active duty rate. **More**
- A total of 607 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (87.3%) were vaccinated at least 14 days prior to infection. **More**

Severity Indicators

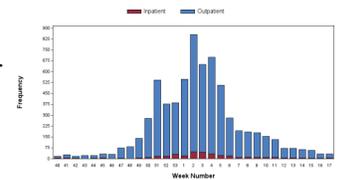
Inpatient Surveillance:

- There were 19 inpatient influenza tests performed among DON beneficiaries in Week 17; one (5.3%) was positive.
 - This week's inpatient case was a male retired service member age 45+ PCR positive with type A at NMC San Diego.
- Five of the AV prescriptions during Week 17 were in the inpatient setting.
 - This week, inpatient AVs were dispensed to three age groups: 0-4 (1), 18-44 (1) and 45+ (3). All cases this week were for Navy beneficiaries at NMC Portsmouth (2), NMC San Diego (2), and Ft. Shafter (1).
 - There were no influenza-associated hospitalizations reported to DRSi this week.

Influenza Positive Laboratory Results for DON Inpatient MEPRS Codes (A)
Updated: Week 17 (April 20 - May 2, 2015)
2014-2015 Influenza Season



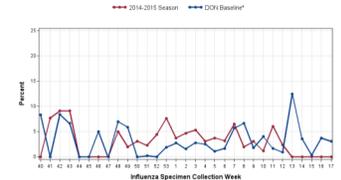
DON Influenza Antiviral Prescriptions
Updated: Week 17 (April 20 - May 2, 2015)
2014-2015 Influenza Season



Coinfections:

- Since last report (Week 12), there have been no coinfections identified among DON laboratory positive influenza patients.

Comparison of Percent of Laboratory Positive Influenza Cases with Bacterial Coinfection
Updated: Week 17 (April 20 - May 2, 2015)
2014-2015 Influenza Season



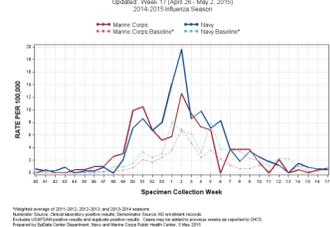
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Active Duty

- There were three laboratory positive influenza results among DON active duty service members in Week 17 (all type B). There have been 607 influenza cases among active duty service members so far this season (409 Sailors, 198 Marines).
 - There were two Navy and one Marine Corps active duty cases, all at different outpatient facilities (NH Bremerton, NHC Hawaii, Stuttgart-Bad Cannstadt).
 - Two (66.7%) of the DON active duty influenza cases during Week 17 were vaccinated at least 14 days prior to infection, one had no record of influenza vaccination.
- There were seven AVs dispensed (1 amantadine, 6 oseltamivir) to active duty service members during Week 17.

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



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

Status	Immunity Status	Vaccine Type				Total	Percent
		LAV	IV	Unspecified Formulation	LAV & IV		
Active Duty	Vaccinated, immune	236	264	8	22	530	87.3%
	Vaccinated, not immune	4	28	1	1	34	5.6%
Total		240	292	9	23	43	7.1%
Recruit	Vaccinated, immune	35	30	-	3	42	60.0%
	Vaccinated, not immune	36	6	-	1	23	29.8%
	No vaccination record	-	-	-	-	9	11.3%
Total		51	36	-	4	80	-

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 EpiData Center Department, Navy and Marine Corps Public Health Center, 5 May 2015

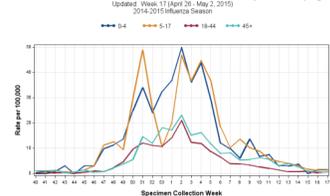
Recruits:

- There were no laboratory positive influenza tests among DON recruits in Week 17. There have been 80 influenza cases among recruits so far this season (54 Sailors, 26 Marines).
- There were no AVs dispensed during Week 17 to DON recruits.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 17 were 1.5 and 1.4 per 100,000, respectively.
- There were four AV medications prescribed to children during Week 17. AV medications prescribed to children this week were comparable to baseline.

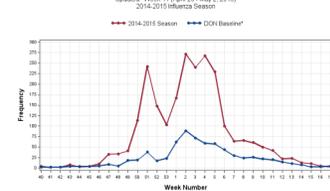
Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



Other Age Groups:

- During Week 17, laboratory influenza rates among the 18-44 and 45+ age groups were 0.8 and 0.5 per 100,000, respectively.

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



In the News

- CDC reports influenza activity continues to decline and is below baseline, though elevated activity continues in the northeast. [More](#)
- H5N2 avian influenza virus has reappeared in Missouri (absent almost a month) and Iowa reported it's third outbreak this week. Minnesota reported no outbreaks on 6 May for the first time since April 15, in an outbreak that has been ongoing since 5 March. No human infections of H5N2 virus have been reported anywhere to date. [More](#)

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