

DON Influenza SITREP

2014-2015 Influenza Season
Week 26 (28 June — 4 July 2015)

Influenza Activity and Surveillance

Laboratory:

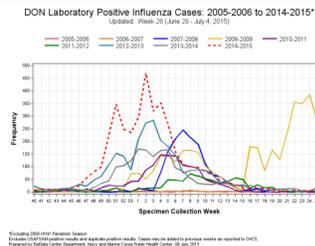
There was one laboratory positive influenza result among DON beneficiaries during Week 26, which was below baseline. During Week 25, seven laboratory positive cases were identified at NBHC MCRD San Diego, corresponding with increased FRI rates at the same location, as reported by NHRC. [More](#)

Antivirals:

Six AV medications were dispensed to DON beneficiaries during Week 26, which was equal to the baseline. [More](#)

Influenza-Like Illness:

Overall, 2.2% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to baseline. [More](#)



Severity Indicators

Inpatient:

One of 13 inpatient influenza tests performed during Week 26 was positive. This week, no inpatient AV prescriptions was dispensed, and no inpatient cases were reported to DRSi. [More](#)

Coinfections:

There were three bacterial coinfections identified among DON beneficiaries since last report (Week 26). [More](#)

Vaccination

95.5% of Navy and 94.2% of Marine Corps active duty service members received an influenza vaccine (as of 30 May 2015).

[More](#)

Select Populations

Active Duty & Recruits:

In Week 26, no positive influenza laboratory tests were identified among active duty service members and recruits. [More](#)

NHRC reports febrile respiratory illness (FRI) rates at MCRD San Diego was substantially elevated during Weeks 24 and 25, and at Ft. Jackson during Week 24. [More](#)

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 0.0 and 0.0 per 100,000, respectively. There were no AV prescriptions dispensed to children this week. [More](#)

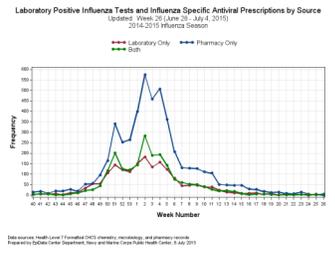
Contact Information: [Email](#) ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

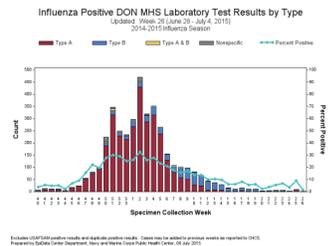
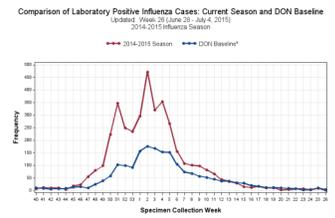
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 23.7% 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, 0% this week and 30.0% this season had positive laboratory results.



Laboratory:

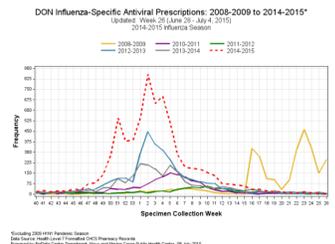
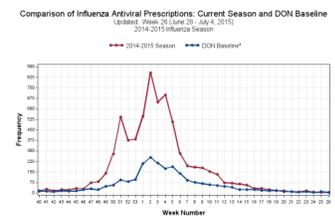
- There was one laboratory positive influenza result identified among DON beneficiaries in Week 26 (type A) at San Antonio MMC-Ft. Sam Houston.
 - The number of laboratory positive weekly influenza cases have remained relatively equal to or below the baseline since Week 13.
 - 1.5% of all influenza tests performed during Week 26 were positive, compared to 4.8% during the same week last season.
- Since Week 40, 3,911 positive laboratory results were identified among DON beneficiaries; NMC San Diego has the most cumulative cases (552), followed by NH Jacksonville (359) and NH Camp Lejeune (288).



Proportion of Testing Types among Positive Influenza Tests (%)					
	Rapid	Culture	PCR	DFA	Unspecified
Week 26	0.0	0.0	100.0	0.0	0.0
Season	63.3	13.0	23.7	0.0	0.0

Antivirals:

- There were six influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (6 oseltamivir).
- Antiviral prescriptions were equal to the baseline during Week 26 and have remained relatively equal to or slightly above the seasonal baseline in more recent weeks.
- During Week 26, none of the six AV prescriptions were dispensed in the inpatient setting.
- There have been 6,889 AVs prescribed to DON beneficiaries since Week 40 (43 amantadine, 6,845 oseltamivir, 1 zanamivir).



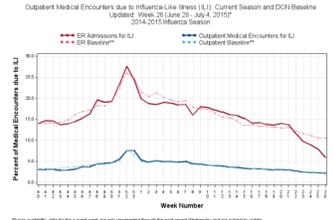
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Syndromic Surveillance

Influenza-Like Illness:

- During Week 26, 2.2% 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, 6.0% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the baseline.



Immunizations

Vaccination Coverage:

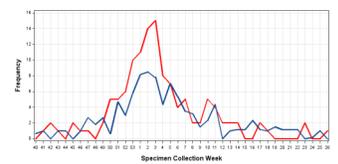
- 95.5% of Navy and 94.2% of Marine Corps active duty service members have received an influenza vaccine. The Navy reserve vaccination rate (95.5%) is comparable to the active duty rate, while the Marine Corps reserve vaccination rate (89.3%) is below the active duty rate (as of 30 May 2015). **More**
- A total of 617 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (86.9%) were vaccinated at least 14 days prior to infection. **More**

Severity Indicators

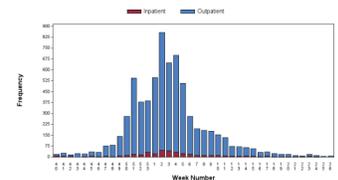
Inpatient Surveillance:

- There were 13 inpatient influenza tests performed among DON beneficiaries in Week 26; one was positive.
 - This week's inpatient case was a Navy spouse over the age of 45.
- Zero of the six AV prescriptions during Week 26 was in the inpatient setting.
- There were no influenza-associated hospitalizations reported to DRSi this week.

Influenza Positive Laboratory Results for DON Inpatient MEPRS Codes (A)
Updated: Week 26 (June 28 - July 4, 2015)
2014-2015 Influenza Season



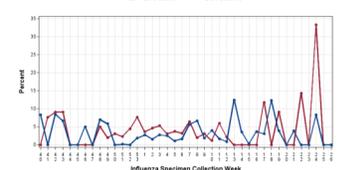
DON Influenza Antiviral Prescriptions
Updated: Week 26 (June 28 - July 4, 2015)
2014-2015 Influenza Season



Coinfections:

- Since last report (Week 26), three coinfections were identified among DON laboratory positive influenza patients.
 - Two non-respiratory infections (*Actinomyces* and *Streptococcus*) were identified in an outpatient setting during Weeks 22 and 24 at AMC Madigan-Lewis and WRNMMC, respectively. An inpatient case at NMC San Diego was positive for *Mycobacterium* from a lower respiratory sample source during Week 17. **More**

Comparison of Percent of Laboratory Positive Influenza Cases with Bacterial Coinfection:
Updated: Week 26 (June 28 - July 4, 2015)
2014-2015 Influenza Season



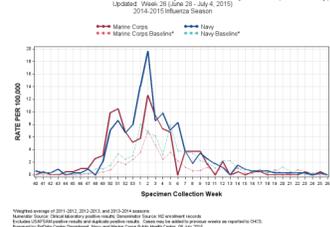
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Active Duty

- There were no laboratory positive influenza results among DON active duty service members in Week 26.
 - There have been 617 influenza cases among active duty service members so far this season (417 Sailors, 200 Marines).
- There were three AVs dispensed (all oseltamivir) to active duty service members during Week 26 at 96th Med Grp-Eglin, NH Okinawa, and NHC Hawaii.
- During the 2014-2015 season, almost 87% of all active duty laboratory confirmed influenza cases received an influenza vaccine at least 14 days prior to infection; approximately 6% were vaccinated but not immune, and 7% had no record of a vaccine.

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



Status	Immunity Status	Vaccine Type					Total	Percent
		LAIV	IV	Unspecified Formulation	LAIV & IV	None		
Active Duty	Vaccinated, immune	241	274	8	13	-	536	86.9%
	Vaccinated, not immune	4	30	1	1	-	36	5.8%
	No vaccination record	-	-	-	-	45	45	7.3%
Total		245	304	9	14	45	617	
Recruit	Vaccinated, immune	37	10	-	1	-	48	53.9%
	Vaccinated, not immune	16	8	-	1	-	25	25.8%
	No vaccination record	-	-	-	-	18	18	20.2%
Total		53	18	-	2	18	89	

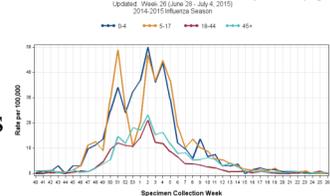
Recruits:

- There were no laboratory positive influenza tests among DON recruits in Week 26.
 - There have been 89 influenza cases among recruits so far this season (54 Sailors, 35 Marines).
- There were ten laboratory positive influenza cases identified during Week 25, of which six were recruits and one active duty Marine at NBHC MCRD San Diego.
 - NHRC has reported substantially elevated FRI rates at MCRD San Diego during Weeks 24 and 25.
- There were no AVs dispensed during Week 26 to DON recruits.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 26 were 0.0 and 0.0 per 100,000, respectively.
- There was one AV medication prescribed to children during Week 26. AV medications prescribed to children this week were comparable to the baseline.

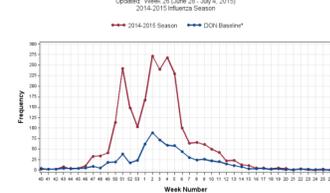
Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



Other Age Groups:

- During Week 26, laboratory influenza rates among the 18-44 and 45+ age groups were 0.0 and 0.27 per 100,000, respectively.

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



In the News

- As of mid-June, South Africa and Sri Lanka were cited as flu hot spots by the WHO. [More](#)
- A new study published by *Vaccine* reported that oseltamivir protected ferrets from ocular influenza. [More](#)

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