

# DON Influenza SITREP

2014-2015 Influenza Season  
Week 30 (26 July — 1 August 2015)

## Influenza Activity and Surveillance

### Laboratory:

There were two laboratory positive influenza results among DON beneficiaries during Week 30, which was slightly below baseline. [More](#)

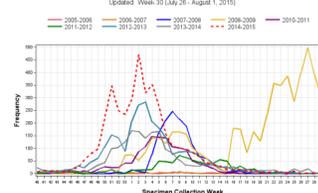
### Antivirals:

Eight AV medications were dispensed to DON beneficiaries during Week 30, which was above baseline. [More](#)

### Influenza-Like Illness:

Overall, 2.1% 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\*



\*Includes 2007-2008 Pandemic Season.  
\*Excludes 2009-2010 pandemic season and 2014-2015 pandemic results. Cases not included in this report were reported to DDCS.  
\*Reported by US Naval Center for Disease Prevention and Control, Naval Air Station, Naval Medical Center, 2014 August 2015.

## Severity Indicators

### Inpatient:

None of the 11 inpatient influenza tests performed during Week 30 were positive. This week, two 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 (Week 26). [More](#)

## Vaccination

95.7% of Navy and 94.2% of Marine Corps active duty service members received an influenza vaccine (as of 1 August 2015).

[More](#)

## Select Populations

### Active Duty & Recruits:

In Week 30, no positive influenza laboratory tests were identified among active duty service members and recruits. [More](#)

NHRC reports febrile respiratory illness (FRI) rates at Navy and Marine Corps recruit training facilities were at or below expected values between Weeks 26 and 29. [More](#)

### Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 0.0 and 0.27 per 100,000, respectively. There was one AV prescription dispensed to children this week. [More](#)

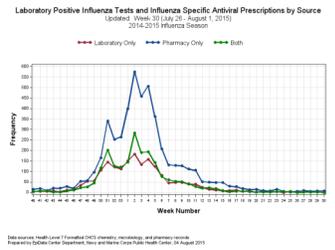
Contact Information: [Email](#) ~ On the Web: <http://go.usa.gov/DtUC>



## Case Identification:

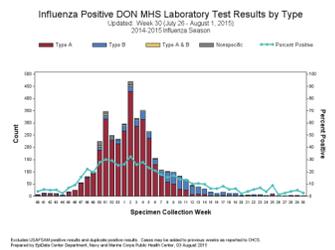
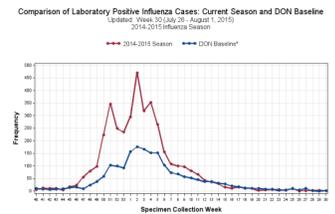
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 23.6% 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, 0.0% this week and 29.9% this season had positive laboratory results.



## Laboratory:

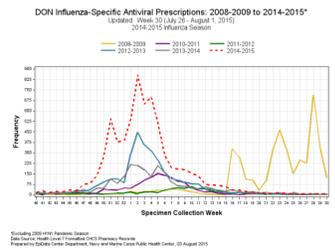
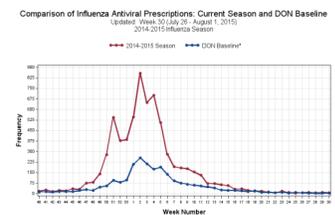
- There were two laboratory positive influenza results identified among DON beneficiaries in Week 30 (both type A).
  - The number of laboratory positive influenza cases was slightly below baseline.
  - 2.7% of all influenza tests performed during Week 30 were positive, which was approximately equal to the same week last season.
- One laboratory positive influenza case occurred at NH Jacksonville and the other at Tripler AMC-Ft. Shafter.
- Since Week 40, 3,921 positive laboratory results were identified among DON beneficiaries; NMC San Diego has the most cumulative cases (553), followed by NH Jacksonville (361) and NH Camp Lejeune (289).



Proportion of Testing Types among Positive Influenza Tests (%)					
	Rapid	Culture	PCR	DFA	Unspecified
<b>Week 30</b>	0.0	50.0	50.0	0.0	0.0
<b>Season</b>	63.3	13.1	23.6	0.0	0.0

## Antivirals:

- There were eight influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (7 oseltamivir, 1 amantadine).
- Antiviral prescriptions were above baseline during Week 30 and have been slightly above the seasonal baseline in recent weeks.
- During Week 30, two of the six AV prescriptions (33.3%) were dispensed in the inpatient setting.
- There have been 6,923 AVs prescribed to DON beneficiaries since Week 40 (46 amantadine, 6,876 oseltamivir, 1 zanamivir).



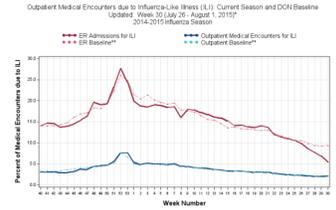
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# Syndromic Surveillance

## Influenza-Like Illness:

- During Week 30, 2.1% 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, 5.5% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the baseline.



## Immunizations

### Vaccination Coverage:

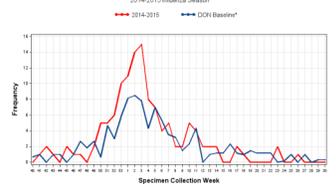
- 95.7% of Navy and 94.2% of Marine Corps active duty service members have received an influenza vaccine. The Navy reserve vaccination rate (95.9%) is comparable to the active duty rate, while the Marine Corps reserve vaccination rate (89.2%) is below the active duty rate. **More**
- A total of 619 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (86.8%) were vaccinated at least 14 days prior to infection. **More**

## Severity Indicators

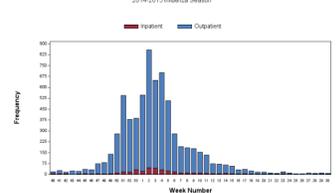
### Inpatient Surveillance:

- There were 11 inpatient influenza tests performed among DON beneficiaries in Week 30; none were positive.
- Two of the six AV prescriptions during Week 30 were in the inpatient setting.
  - One inpatient pharmacy case was a Navy spouse in above the age of 45 at NMC Portsmouth and the other was a sponsor of the same age group at WRNMMC.
- There were no influenza-associated hospitalizations reported to DRSi this week.

Influenza Positive Laboratory Results for DON Inpatient MEPRS Codes (A)



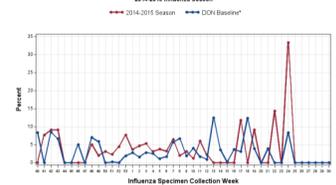
DON Influenza Antiviral Prescriptions



### Coinfections:

- There were no coinfections identified among DON laboratory positive influenza patients since our last report (Week 26)

Comparison of Percent of Laboratory Positive Influenza Cases with Bacterial Coinfection



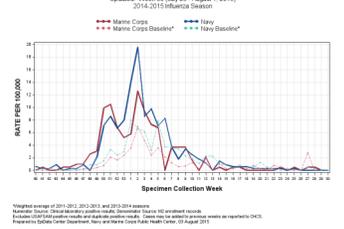
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## Active Duty

- There were no laboratory positive influenza results among DON active duty service members in Week 30.
  - There have been 619 influenza cases among active duty service members so far this season (417 Sailors, 202 Marines).
- There were no AVs dispensed to active duty service members during Week 30.
- During the 2014-2015 season, almost 86.8% of all active duty laboratory confirmed influenza cases received an influenza vaccine at least 14 days prior to infection; 5.8% were vaccinated but not immune, and 7.4% had no record of a vaccine.

Influenza Positive DON MHS Laboratory Test Results by Service (Active Duty)  
Updated: Week 30 (July 28 - August 1, 2015)  
2014-2015 Influenza Season



Status	Immunity Status	Vaccine Type					Total	Percent
		LAV	IV	Unspecified Formulation	LAV & IV	None		
Active Duty	Vaccinated; immune	242	274	8	13	-	537	86.8%
	Vaccinated; not immune	4	30	1	1	-	36	5.8%
	No vaccination record	-	-	-	-	46	46	7.4%
<b>Total</b>		<b>246</b>	<b>304</b>	<b>9</b>	<b>14</b>	<b>46</b>	<b>619</b>	-
Recruit	Vaccinated; immune	17	10	-	1	-	48	53.3%
	Vaccinated; not immune	16	8	-	1	-	25	27.8%
	No vaccination record	-	-	-	-	17	17	18.9%
<b>Total</b>		<b>33</b>	<b>18</b>	<b>-</b>	<b>2</b>	<b>17</b>	<b>50</b>	-

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 EpicData Center Department, Navy and Marine Corps Public Health Center, 01 August 2015

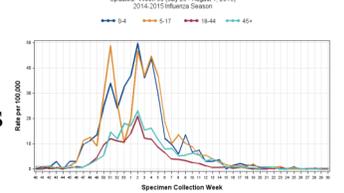
## Recruits:

- There were no laboratory positive influenza tests among DON recruits in Week 30.
  - There have been 90 influenza cases among recruits so far this season (54 Sailors, 36 Marines).
- There was one AV dispensed during Week 30 to DON recruits.

## Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 30 were 0.00 and 0.34 per 100,000, respectively.
- There was one AV medication prescribed to children during Week 30. AV medications prescribed to children this week were comparable to the baseline.

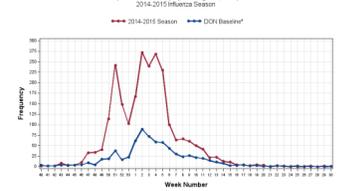
Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age  
Updated: Week 30 (July 28 - August 1, 2015)  
2014-2015 Influenza Season



## Other Age Groups:

- During Week 30, laboratory influenza rates among the 18-44 and 45+ age groups were 0.00 and 0.27 per 100,000, respectively.

Comparison of Influenza Antiviral Prescriptions in Children: Current Season and DON Baseline  
Updated: Week 30 (July 28 - August 1, 2015)  
2014-2015 Influenza Season



## In the News

- Memorandum: 2015-2016 Department of Defense Influenza Surveillance Program Sentinel Sites [More](#)
- Germany, Taiwan, Vietnam report avian flu outbreaks [More](#)

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