

# DON Influenza SITREP

2014-2015 Influenza Season  
Week 12 (22 March — 28 March 2015)

## Influenza Activity and Surveillance

### Laboratory:

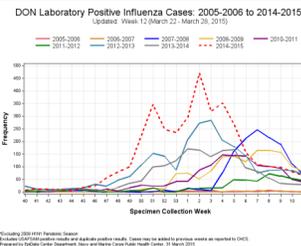
There were 40 laboratory positive influenza results among DON beneficiaries during Week 12, less than last week and comparable to the seasonal baseline. An increasing proportion of positive results were identified as influenza type B again this week. **More**

### Antivirals:

A total of 70 AV medications were dispensed to DON beneficiaries during Week 12, decreasing since last week; approaching the seasonal baseline. **More**

### Influenza-Like Illness:

Overall, 3.9% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to the seasonal baseline. **More**



## Severity Indicators

### Inpatient:

Two of the 27 inpatient influenza tests performed during Week 12 were positive. This week, five 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

94.8% of Navy and 93.2% of Marine Corps active duty service members have received an influenza vaccine (as of 28 March 2015).

**More**

## Select Populations

### Active Duty & Recruits:

In Week 12, eight 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 11. **More**

### Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 2.3 and 4.4 per 100,000, respectively. There were 20 AV prescriptions dispensed to children this week, approaching the seasonal baseline. **More**

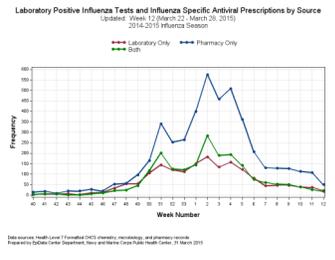
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



## Case Identification:

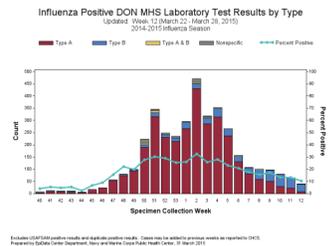
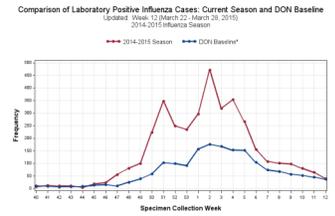
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 24.0% 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, 26.1% this week and 30.4% this season had positive laboratory results.



## Laboratory:

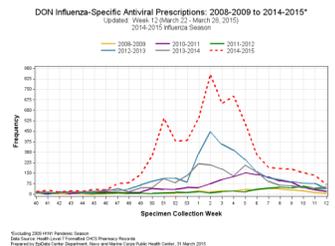
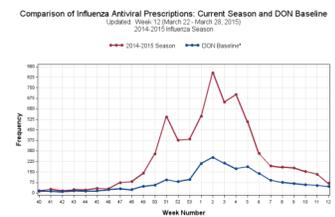
- There were 40 laboratory positive influenza results identified among DON beneficiaries in Week 12 (7 type A, 31 type B, 2 unspecified). The proportion of type B positive results continued to increase this week.
  - The number of cases this week was less than last week; comparable to baseline.
  - 10.2% of all influenza tests performed were positive, compared to 5.9% during Week 12 of last season.
- The most laboratory positive cases this week occurred at NMC San Diego (10) and NH Jacksonville (5).
- Since Week 40, 3,733 positive laboratory results have been identified among DON beneficiaries; NMC San Diego has the most cumulative cases (524), followed by NH Jacksonville (345) and NH Camp Lejeune (283).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
<b>Week 12</b>	47.5%	17.5%	35.0%	0.0%	0.0%
<b>Season</b>	63.5%	12.7%	23.8%	0.0%	0.0%

## Antivirals:

- There were 70 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- Antiviral prescriptions continued to decrease during Week 12, trending similar to laboratory data and approaching the seasonal baseline.
- During Week 12, 5 (7.1%) of all AV prescriptions were dispensed in the inpatient setting.
- There have been 6,515 AVs prescribed to DON beneficiaries this season (25 amantadine, 6,489 oseltamivir, 1 zanamivir).



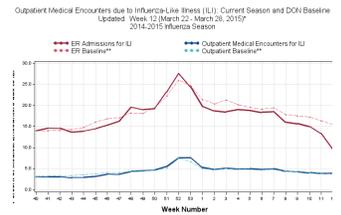
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# Syndromic Surveillance

## Influenza-Like Illness:

- During Week 12, 3.9% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this was comparable to the seasonal baseline.
- Among ER visits, 9.6% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the seasonal baseline.



## Immunizations

### Vaccination Coverage:

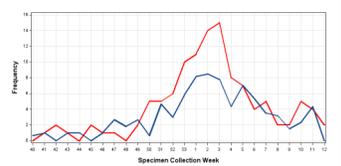
- 94.8% of Navy and 93.2% of Marine Corps active duty service members have received an influenza vaccine. The Navy reserve vaccination rate (95.0%) is comparable to the active duty rate, while the Marine Corps reserve vaccination rate (88.7%) is below the active duty rate. **More**
- A total of 590 laboratory 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

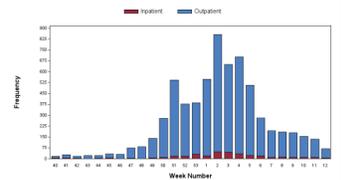
### Inpatient Surveillance:

- There were 27 inpatient influenza tests performed among DON beneficiaries in Week 12; two (7.4%) were positive.
  - This week's inpatient cases included a female Navy spouse and a male Marine Corps non-active duty sponsor both 45+ years old and type B positive by PCR at NMC San Diego.
- Five of the AV prescriptions during Week 12 were in the inpatient setting.
  - This week, inpatient AVs were dispensed to two age groups: 18-44 (1) and 45+ (4). There were three Navy and two Marine Corps inpatients with AVs this week. They were distributed among spouses (3), and non-active duty sponsors (2); and more frequently female (3).
- There were no influenza-associated hospitalizations reported to DRSi this week.

Influenza Positive Laboratory Results for DON Inpatient MEPRS Codes (A)  
Updated: Week 12 (March 22, March 26, 2015)  
2014-2015 Influenza Season



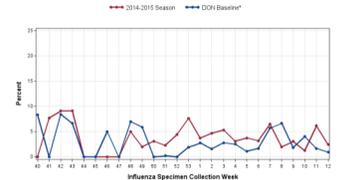
DON Influenza Antiviral Prescriptions  
Updated: Week 12 (March 22, March 26, 2015)  
2014-2015 Influenza Season



### Coinfections:

- Since our last report, three bacterial coinfections were identified among DON laboratory positive influenza patients.
- This week's coinfections were a lower respiratory *Pseudomonas* (NMC San Diego), an upper respiratory *Streptococcus* infections (NH Twentynine Palms) and one non-respiratory *Staphylococcus* infection (NMC San Diego).
- **Click here** for a complete list of coinfections identified since our last report.

Comparison of Percent of Laboratory Positive Influenza Cases with Bacterial Coinfection:  
2014-2015 Influenza Season



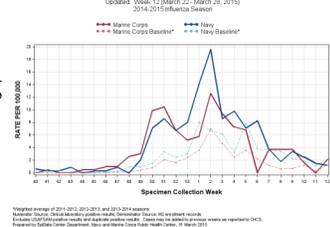
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## Active Duty

- There were eight laboratory positive influenza results among DON active duty service members in Week 12 (4 type A, 4 type B). There have been 590 influenza cases among active duty service members so far this season (396 Sailors, 194 Marines).
  - There were four Navy and four Marine Corps active duty cases, all at different outpatient facilities.
  - Five (62.5%) of the DON active duty influenza cases during Week 12 were vaccinated at least 14 days prior to infection, three had no record of influenza vaccination.
- There were 11 AVs dispensed (all oseltamivir) to active duty service members during Week 12, less than last week.

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	231	252	8	21	512	86.8%
	No vaccination record	4	25	1	1	31	5.2%
Total		235	277	9	22	47	8.0%
Recruit	Vaccinated; immune	35	10	-	3	48	60.0%
	No vaccination record	-	-	-	1	1	25.0%
Total		-	-	-	12	12	15.0%
Total		51	18	-	4	80	-

LAV/live-attenuated influenza vaccine (intranasal), IV/inactive 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 ICD Data Center Department, Navy and Marine Corps Public Health Center, 31 March 2015

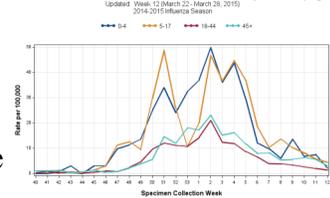
## Recruits:

- There were no laboratory positive influenza tests among DON recruits in Week 12. There have been 80 influenza cases among recruits so far this season (54 Sailors, 26 Marines).
- There were no AVs (all oseltamivir) dispensed during Week 12 to DON recruits.

## Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 12 were 2.3 and 4.4 per 100,000, respectively.
- There were 20 AV medications prescribed to children during Week 12, less than half the amount dispensed last week. AV medications prescribed to children this week were approaching the seasonal baseline.

Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



## Other Age Groups:

- During Week 12, laboratory influenza rates among the 18-44 and 45+ age groups were 1.4 and 3.2 per 100,000, respectively.

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



## In the News

- CDC reports influenza activity continuing to decrease, but remains elevated in the US. Influenza activity has been elevated for 18 consecutive weeks, while previous 13 seasons have been elevated for 13 weeks. [More](#)
- Veterinarians in the Chicago area are expressing concern of an epidemic of canine influenza. [More](#)
  - Canine influenza, while highly contagious among dogs, is not a human virus. [More](#)

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