

DON Influenza SITREP

2014-2015 Influenza Season

Week 1 (4 January 2015 — 10 January 2015)

Influenza Activity and Surveillance

Laboratory:

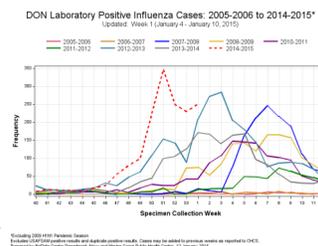
There were 251 laboratory positive influenza results among DON beneficiaries during Week 1, increasing slightly compared to last week. **More**

Antivirals:

Influenza-specific antivirals (AV) also trended upwards compared to the previous week; a total of 524 AV medications were prescribed to DON beneficiaries during Week 1, over *twice* the seasonal baseline. **More**

Influenza-Like Illness:

Overall, 5.8% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to the seasonal baseline. **More**



Vaccination

87.7% of Navy and 80.8% of Marine Corps active duty service members have received an influenza vaccine (as of 10 January 2015). **More**

Reminder: The DOD's personnel vaccination goal was 90% vaccine coverage by 15 December 2014.

Severity Indicators

Inpatient:

Seven of the 60 inpatient influenza tests performed during Week 1 were positive. Twenty inpatient AV prescriptions were dispensed this week. Two inpatient cases were reported to DRSi this week. **More**

Coinfections:

There were 17 bacterial coinfections identified among DON beneficiaries since our last report. **More**

Select Populations

Active Duty & Recruits:

In Week 1, 41 Navy and 8 Marine Corps active duty service members had laboratory positive influenza results. Three recruits (2 Navy, 1 Marine Corps) had a positive influenza laboratory test. **More**
NHRC reports substantially elevated febrile respiratory illness (FRI) rates at MCRD San Diego during Week 53. **More**

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 29.4 and 17.1 per 100,000, respectively. There were 157 AV prescriptions dispensed to children this week; over *twice* the seasonal baseline. **More**

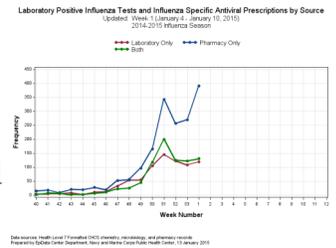
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

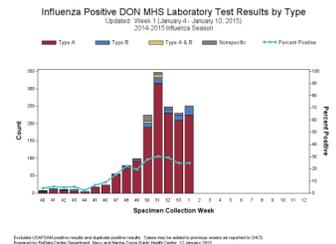
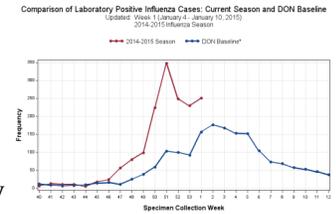
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since Week 40, 24.5% 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, 25.0% this week and 32.0% this season had positive laboratory results.



Laboratory:

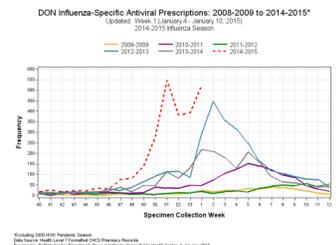
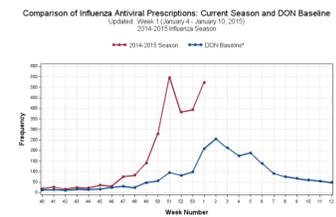
- There were 251 positive influenza laboratory results identified among DON beneficiaries in Week 1 (224 type A, 23 type B, 2 type A&B, 2 non-specific).
 - The number of cases this week remains above the seasonal baseline.
 - One-quarter of all influenza tests performed were positive; this is almost twice the positivity during Week 1 of the previous season. The majority of laboratory positives were rapid (71.7%) or PCR (25.1%) tests.
- The most laboratory positive cases this week occurred at NMC San Diego (54), NH Jacksonville (23), San Antonio-Ft. Sam Houston (19), NH Camp Lejeune (15), NH Camp Pendleton (14), and NH Bremerton (12).
- Since Week 40, 1,625 positive laboratory results have been identified among DON beneficiaries; NH Camp Lejeune has the most cumulative cases (216), followed by NH Jacksonville (210), NMC San Diego (132), and NH Pensacola (91).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 1	71.7%	3.2%	25.1%	0.0%	0.0%
Season	69.2%	11.5%	19.3%	0.0%	0.0%

Antivirals:

- There were 524 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- Antiviral prescriptions during Week 1 increased compared to the previous week and remain over *twice* the seasonal baseline.
- Twenty of the antiviral prescriptions during Week 1 were in the inpatient setting, the majority were dispensed at NMC San Diego (8), NMC Portsmouth (3), and NH Camp Pendleton (3).
- There have been 2,598 AVs prescribed to DON beneficiaries this season (2,585 oseltamivir, 13 amantadine).



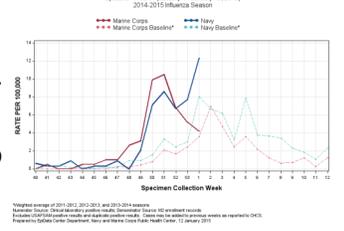
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Active Duty

- There were 49 laboratory positive influenza results among DON active duty service members in Week 1 (43 type A, 3 type B, 2 type A&B, 1 unknown); all were in an outpatient setting.
 - The largest number of cases were identified at NMC San Diego (12), NH Camp Pendleton (4), and Ft. Sam Houston (4). Remaining cases were spread across 22 facilities with one to three cases each.
 - The majority (41) of the 49 DON active duty influenza cases during Week 1 were vaccinated at least 14 days prior to infection; eight had no record of vaccination.
- Since Week 40, a total of 250 laboratory positive influenza cases have been identified among DON active duty service members; 81.2% (203) were vaccinated at least 14 days prior to infection.
- There were 98 AVs dispensed (all oseltamivir) to active duty service members during Week 1, increasing from 59 AVs dispensed in Week 53.

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



Status	Immunity Status	Vaccine Type						Total	Percent
		LAV	IV	Unspecified Formulation	LAV & IV	None	-		
Active Duty	Vaccinated; immune	88	106	3	6	-	-	203	81.2%
	Vaccinated; not immune	4	13	1	-	-	-	18	7.2%
	No vaccination record	-	-	-	-	-	-	29	11.6%
Total		92	119	4	6	29	250		
Recruit	Vaccinated; immune	22	2	-	3	-	-	27	52.9%
	Vaccinated; not immune	9	1	-	-	-	-	10	19.6%
	No vaccination record	-	-	-	-	-	-	14	27.5%
Total		31	3	-	3	14	51		

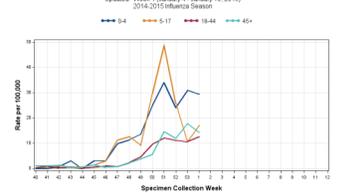
Recruits:

- Two Navy and one Marine Corps recruits (all type A) had positive laboratory tests this week.
 - All cases were identified in outpatient settings at Ft. Sam Houston (2), and NMC San Diego (1).
- There were seven AV's dispensed to recruits during Week 1 (all oseltamivir).

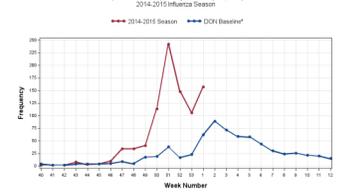
Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 1 were 29.4 and 17.1 per 100,000, respectively. Although the rate among 5-17 year olds increased slightly compared to last week, this age group has shown a major decline since peaking during Week 51.
- There were 157 AV medications prescribed to children during Week 1, increasing from 106 AV medications during Week 53 and remaining over *twice* the seasonal baseline.

Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age



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



Other Age Groups:

- During Week 1, laboratory influenza rates among the 18-44 and 45+ age groups were 12.5 and 14.4 per 100,000, respectively.

In the News

- Globally influenza activity continued to increase in the northern hemisphere with influenza A(H3N2) viruses predominating so far this season. [More](#)
- Amid widespread flu, CDC calls for more antiviral use. [More](#)

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