

DON Influenza SITREP

2014-2015 Influenza Season

Week 53 (28 December 2014 — 3 January 2015)

Influenza Activity and Surveillance

Laboratory:

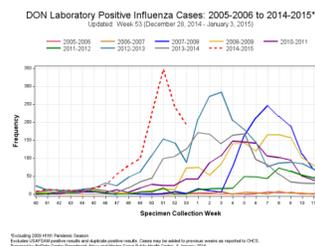
There were 193 laboratory positive influenza results among DON beneficiaries during Week 53. Case counts continued to decrease this week, while the percent positive remained stable. [More](#)

Antivirals:

There were 356 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week, *three times* the seasonal baseline. [More](#)

Influenza-Like Illness:

Overall, 7.1% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to the seasonal baseline. [More](#)



Vaccination

86.9% of Navy and 79.3% of Marine Corps active duty service members have received an influenza vaccine (as of 3 January 2015). [More](#)

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

Severity Indicators

Inpatient:

Eight of the 47 inpatient influenza tests performed during Week 53 were positive. Twenty seven inpatient AV prescriptions were dispensed this week. One inpatient case was reported to DRSi this week. [More](#)

Coinfections:

There were 11 bacterial coinfections identified among DON beneficiaries since our last report. [More](#)

Select Populations

Active Duty & Recruits:

In Week 53, 25 Navy and 8 Marine Corps active duty service members had laboratory positive influenza results. Seven recruits (3 Navy, 4 Marine Corps) had a positive influenza laboratory test. [More](#)

NHRC reports substantially elevated febrile respiratory illness (FRI) rates at NRTC Great Lakes and moderately elevated FRI rates at MCRD San Diego during Week 52. [More](#)

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 25.7 and 9.2 per 100,000, respectively. There were 100 AV prescriptions dispensed to children this week; *four times* the seasonal baseline. [More](#)

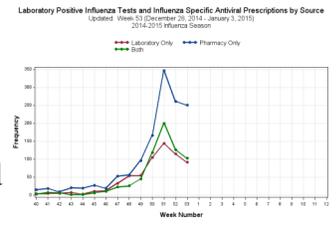
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

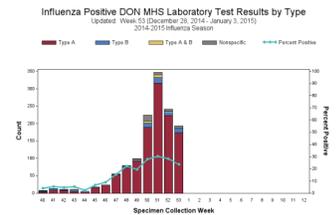
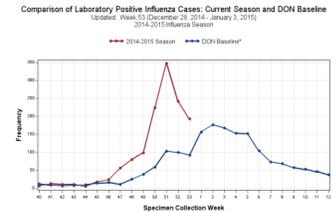
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- Since week 40, 25.4% 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, 29.0% this week and 33.3% this season had positive laboratory results.



Laboratory:

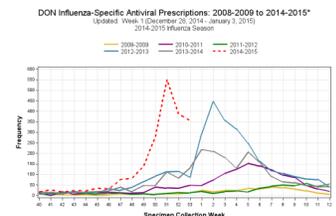
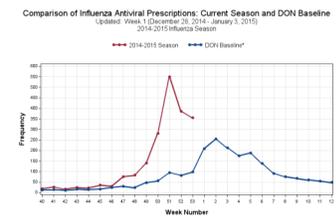
- There were 193 positive influenza laboratory results identified among DON beneficiaries in Week 53 (174 type A, 13 type B, 6 non-specific).
 - The number of cases this week remains *twice* the seasonal baseline.
 - One-quarter of all influenza tests performed were positive. While this was consistent with last week, it was almost twice the percent positive this time last year.
- The most laboratory positive cases this week occurred at NH Jacksonville (39), NMC San Diego (29), Camp Lejeune (20), WRNMMC (11), and NH Bremerton (10).
 - NH Camp Lejeune has had the most cumulative cases since week 40 (199), followed by NH Jacksonville (187), and NH Pensacola (86).
- In Week 53, one-quarter (25.9%) of laboratory positives were non-rapid tests, compared to 15.8% last week.



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 53	74.1%	3.6%	22.3%	0.0%	0.0%
Season	71.2%	11.4%	17.4%	0.0%	0.0%

Antivirals:

- There were 356 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (all oseltamivir).
- Although trending downward, antiviral prescriptions during Week 53 were still more than *three times* the seasonal baseline.
- Twenty seven of the antiviral prescriptions during Week 53 were in the inpatient setting, *double* the amount dispensed last week.
- There have been 2,047 AVs prescribed to DON beneficiaries this season (2,034 oseltamivir, 13 amantadine).



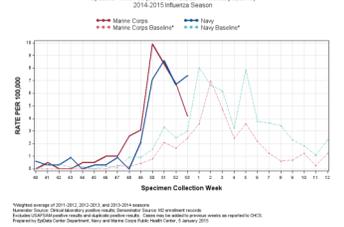
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Active Duty

- There were 33 laboratory positive influenza results among DON active duty service members in Week 53 (32 type A, 1 type B); all were in an outpatient setting.
 - The largest number of cases were identified at NH Jacksonville (7) and NMC San Diego (4). Remaining cases were spread across 16 facilities with one or two cases each.
 - Four of the 33 DON active duty influenza cases had no record of vaccination, and one was vaccinated within 14 days of infection.
- The majority of DON active duty laboratory positive cases this week (84.8%) and this season (80.3%) were vaccinated at least 14 days prior to infection.
- There were 55 AVs dispensed to active duty service members at 34 facilities during Week 53 (all oseltamivir).

Influenza Positive DON MHS Laboratory Test Results by Service (Active Duty)
Updated: Week 53 (December 28, 2014 - January 3, 2015)
2014-2015 Influenza Season



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

Status	Intentional Status	LMI	NU	Vaccine Type		Total	Percent
				Unspecified Formulation	LAJ & WJ		
Active Duty	Vaccinated, immune	71	81	2	5	159	80.3%
	Vaccinated, not immune	4	12	1	-	17	6.8%
	No vaccination record	-	-	-	-	22	11.2%
Total		75	93	3	5	198	
Recruit	Vaccinated, immune	23	1	-	3	28	52.2%
	Vaccinated, not immune	5	1	-	-	10	18.5%
	No vaccination record	-	-	-	-	13	23.2%
Total		30	2	-	3	48	

LAJ=Unadjuvanted influenza vaccine intranasal, NU=inactive influenza vaccine (injector)
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: Influenza Center Department, Navy and Marine Corps Public Health Center, 3 January 2015

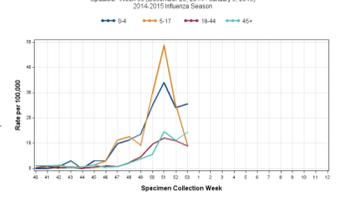
Recruits:

- Three Navy recruits (2 type A; 1 type unknown) and four Marine Corps recruits (all type A) had positive laboratory tests this week.
 - All cases were identified in outpatient settings at NMC San Diego (3), Lovell FHCC - Great Lakes (3), and NH Beaufort (1).
- There were nine AV's dispensed to recruits. The most prescriptions were dispensed at Lovell FHCC - Great Lakes (3), six other facilities dispensed one each (all oseltamivir).

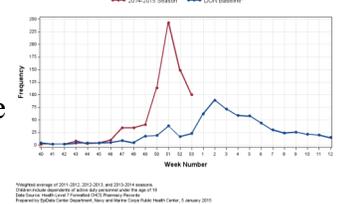
Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 53 were 25.7 and 9.2 per 100,000, respectively. Compared to last week, the rate among 0-4 year old beneficiaries increased slightly, while this week's rate decreased by more than half in the 5-17 year old DON beneficiaries.
- There were 100 AV medications prescribed to children during Week 53; although the trend is declining, the number of AVs dispensed to children during Week 53 was *four times* the seasonal baseline.

Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age
Updated: Week 53 (December 28, 2014 - January 3, 2015)
2014-2015 Influenza Season



Comparison of Influenza Antiviral Prescriptions in Children: Current Season and DON Baseline
Updated: Week 53 (December 28, 2014 - January 3, 2015)
2014-2015 Influenza Season



Other Age Groups:

- During Week 53, laboratory influenza rates among the 18-44 and 45+ age groups were 9.0 and 14.4 per 100,000, respectively.

In the News

- On 19 December 2014, the US Food and Drug Administration approved Rapivab (peramivir) to treat influenza infection in adults. The EDC has included peramivir in influenza AV surveillance since its emergency use authorization during the 2009 H1N1 pandemic. To date, there have been no prescriptions for peramivir in DON beneficiaries within the MHS. [More](#)
- The CDC reports high influenza activity in 29 states and Puerto Rico. [More](#)

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