

DON Influenza SITREP

2014-2015 Influenza Season
Week 21 (24 May — 30 May 2015)

Influenza Activity and Surveillance

Laboratory:

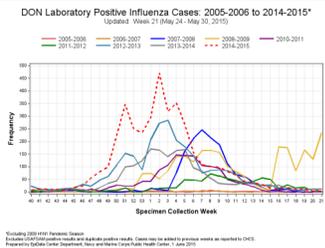
There were four laboratory positive influenza results among DON beneficiaries during Week 21, which was below baseline. **More**

Antivirals:

Nine AV medications were dispensed to DON beneficiaries during Week 21, which was above baseline. **More**

Influenza-Like Illness:

Overall, 2.9% of outpatient medical encounters were due to influenza-like illness (ILI); this was comparable to baseline. **More**



Severity Indicators

Inpatient:

None of the inpatient influenza tests performed during Week 21 were positive. This week, three inpatient AV prescriptions were dispensed, and no inpatient cases were reported to DRSi. **More**

Coinfections:

There were two bacterial coinfections identified among DON beneficiaries since last report (Week 17). **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 21, one active duty service member and no recruits had positive influenza laboratory tests. **More**

NHRC reports febrile respiratory illness (FRI) rates at Navy and Marine Corps recruit training facilities were at or below expected values during Week 20. **More**

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 0.8 and 0.3 per 100,000, respectively. There were four AV prescriptions dispensed to children this week, comparable to baseline. **More**

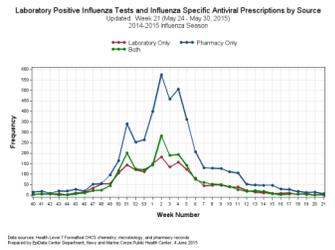
Contact Information: [Email](#) ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

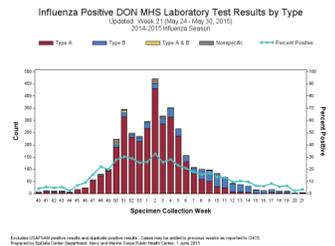
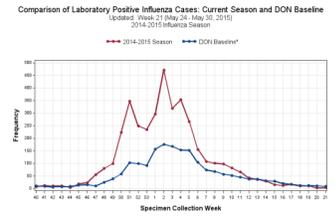
Two major sources of data are utilized to identify influenza activity across the DON, including certified laboratory results and antiviral pharmacy transactions.

- 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, 11.1% this week and 30.0% this season had positive laboratory results.



Laboratory:

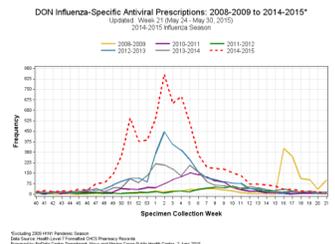
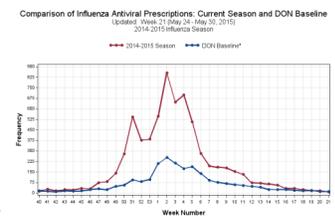
- There were 4 laboratory positive influenza results identified among DON beneficiaries in Week 21 (2 type A, 1 type B, 1 nonspecific).
 - The number of cases this week remains low and was below baseline.
 - 3.4% of all influenza tests performed during Week 21 were positive, compared to 3.6% during the same week last season.
- The number of laboratory positive cases this week were distributed evenly among NMC San Diego, NH Jacksonville, Tripler AMC-Ft. Shafter, and NH Bremerton (all had one case).
- Since Week 40, 3,879 positive laboratory results were identified among DON beneficiaries; NMC San Diego has the most cumulative cases (538), followed by NH Jacksonville (358) and NH Camp Lejeune (288).



Proportion of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 21	50.0	25.0	25.0	0.0	0.0
Season	63.4	13.1	23.5	0.0	0.0

Antivirals:

- There were nine influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (3 amantadine, 6 oseltamivir).
- Antiviral prescriptions were slightly below baseline and continue on a generally decreasing trend.
- During Week 21, three (27.3%) of the AV prescriptions were dispensed in the inpatient setting.
- There have been 6,842 AVs prescribed to DON beneficiaries since Week 40 (38 amantadine, 6,803 oseltamivir, 1 zanamivir).



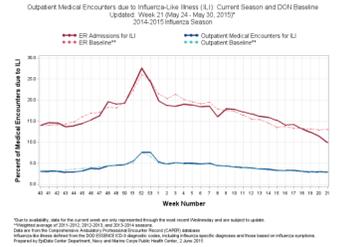
Back



Syndromic Surveillance

Influenza-Like Illness:

- During Week 21, 2.9% 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, 10.0% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the baseline.



Immunizations

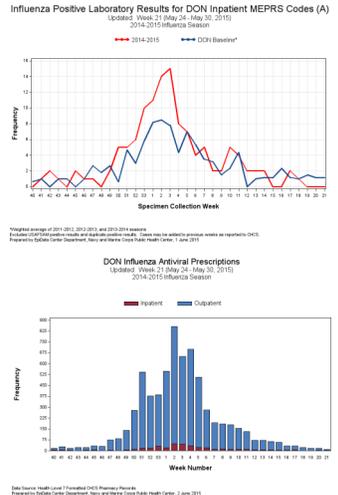
Vaccination Coverage:

- 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. **More**
- A total of 612 laboratory positive influenza cases have been identified among DON active duty service members since Week 40; the majority (87.1%) were vaccinated at least 14 days prior to infection. **More**

Severity Indicators

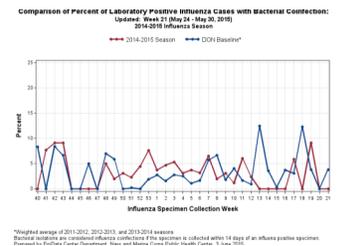
Inpatient Surveillance:

- There were 21 inpatient influenza tests performed among DON beneficiaries in Week 21; none were positive.
- Three of the AV prescriptions during Week 21 were in the inpatient setting.
 - This week, all three inpatient AVs were amantadine dispensed to two age groups: 18-44 (2) and 45+ (1). Two of this cases this week were Navy active duty and the third was a Navy spouse. Inpatient cases this week were from 81st Med Grp-Keesler (1), NMC Portsmouth (1), and WRNMMC (1).
- There were no influenza-associated hospitalizations reported to DRSi this week.



Coinfections:

- Since last report (Week 17), two coinfections were identified among DON laboratory positive influenza patients.
 - Both patients were female beneficiaries with influenza type B. One outpatient case at Tricare Outpatient-Oceanside was positive for *Streptococcus* during Week 19. An inpatient case at NH Camp Pendleton was positive for *Escherichia* from a nonrespiratory sample source during Week 17. **More**



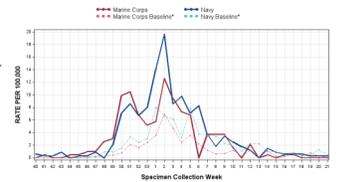
[Back](#)



Active Duty

- There was one laboratory positive influenza result among DON active duty service members in Week 21 (type B). There have been 612 influenza cases among active duty service members so far this season (414 Sailors, 198 Marines).
 - The active duty case this week was a Navy female active duty service member at NH Bremerton.
 - The active duty case this week was vaccinated at least 14 days prior to infection.
- There were five AVs dispensed (2 amantadine, 3 oseltamivir) to active duty service members during Week 21.

Influenza Positive DON MHS Laboratory Test Results by Service (Active Duty)
Updated: Week 21 (May 24 - May 30, 2015)
2014-2015 Influenza Season



Number Source: Clinical Laboratory published weekly, December. Source: 62 resident units.
Number: 612 (Total laboratory positive results, December). Source: 62 resident units.
Prepared by: Defense Center Department, Navy and Marine Corps Public Health Center, 1 June 2015

Status	Immunity Status	Vaccine Type				Total	Percent
		LAV	IV	Unspecified Formulation	LAV & IV		
Active Duty	Vaccinated, immune	240	272	8	13	-	533 (87.3%)
	Vaccinated, not immune	4	30	1	1	-	36 (5.9%)
Total		244	302	9	14	43	612 (7.0%)
Recruit	Vaccinated, immune	37	10	-	1	-	48 (60.0%)
	Vaccinated, not immune	16	6	-	1	-	23 (28.8%)
	No vaccination record	-	-	-	-	9	11.3%
Total		53	16	-	2	9	80 (10.0%)

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: EpiData Center Department, Navy and Marine Corps Public Health Center, 3 June 2015

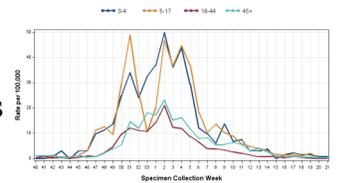
Recruits:

- There were no laboratory positive influenza tests among DON recruits in Week 21. There have been 80 influenza cases among recruits so far this season (54 Sailors, 26 Marines).
- There were no AVs dispensed during Week 21 to DON recruits.

Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 21 were 0.8 and 0.3 per 100,000, respectively.
- There was one AV medication prescribed to children during Week 21. AV medications prescribed to children this week were comparable to baseline.

Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age
Updated: Week 21 (May 24 - May 30, 2015)
2014-2015 Influenza Season

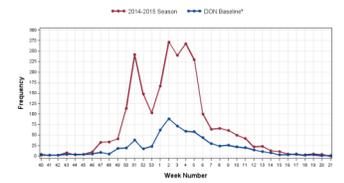


Number Source: Clinical Laboratory published weekly, December. Source: 62 resident units.
Number: 80 (Total laboratory positive results, December). Source: 62 resident units.
Prepared by: Defense Center Department, Navy and Marine Corps Public Health Center, 1 June 2015

Other Age Groups:

- During Week 21, laboratory influenza rates among the 18-44 and 45+ age groups were 0.1 and 0.3 per 100,000, respectively.

Comparison of Influenza Antiviral Prescriptions in Children: Current Season and DON Baseline
Updated: Week 21 (May 24 - May 30, 2015)
2014-2015 Influenza Season



Number Source: Health Care Formulary (HCF) Prescription Records.
Number: 18 (Total number of prescriptions for week 18).
Prepared by: Defense Center Department, Navy and Marine Corps Public Health Center, 3 June 2015

In the News

- HHS expands guidance on the use of influenza antiviral drugs following outbreaks of avian influenza A H5 in US wild and domestic birds [More](#)

Back

