

DON Influenza SITREP

2014-2015 Influenza Season
Week 41 (5 October 2014 — 11 October 2014)

Influenza Activity and Surveillance

Laboratory:

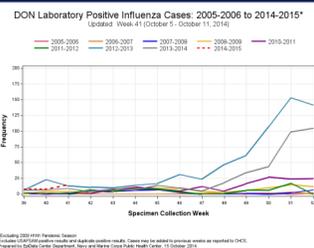
There were 15 laboratory positive influenza results among DON beneficiaries during Week 41 (above seasonal baseline). **More**

Antivirals:

There were 27 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (1 amantadine, 26 oseltamivir). Influenza-specific AV prescriptions this week were above the seasonal baseline. **More**

Influenza-Like Illness:

Overall, 3.2% of outpatient medical encounters were due to influenza-like illness (ILI); this was equal to the seasonal baseline. **More**



Vaccination

22.3% of Navy and 17.3% of Marine Corps active duty service members have received an influenza vaccine (as of 11 October 2014). **More**

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

Severity Indicators

Inpatient:

There were 36 inpatient influenza tests performed during Week 41; two were positive. There were five inpatient AV prescriptions dispensed this week and no cases were reported to DRSi. **More**

Coinfections:

One non-respiratory bacterial coinfection was identified among DON beneficiaries during Week 41. **More**

Select Populations

Active Duty & Recruits:

In Week 41, there was one laboratory positive influenza case among DON active duty service members and no laboratory positive influenza cases among DON recruits. **More**

NHRC reports febrile respiratory illness rates are at or below expected values for DON basic training centers. **More**

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 0.0 and 0.34 per 100,000, respectively. There were two AV prescriptions dispensed to children this week (7.4%). **More**

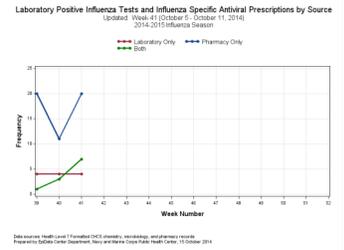
Contact Information: Gosia Nowak, 757-953-0979, gosia.nowak@med.navy.mil ~ On the Web: <http://go.usa.gov/DtUC>



Case Identification:

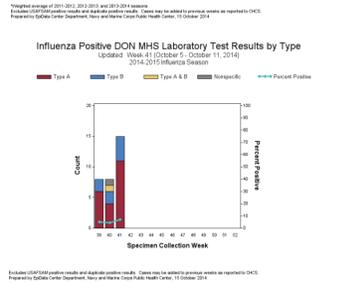
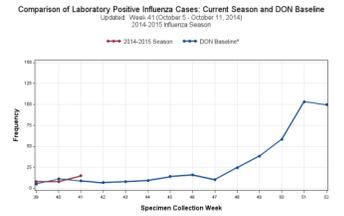
Several sources of data are utilized to identify influenza cases across the DON, including certified laboratory results, antiviral pharmacy transactions, and DRSi case reports.

- This week, 12.6% of cases were identified through both positive laboratory tests and AV prescriptions.
- During week 41, none of the inpatient laboratory cases under age 65 were reported to DRSi.



Laboratory:

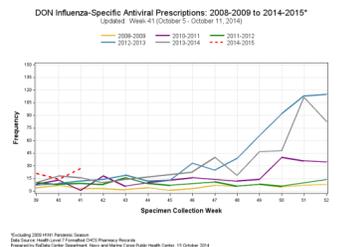
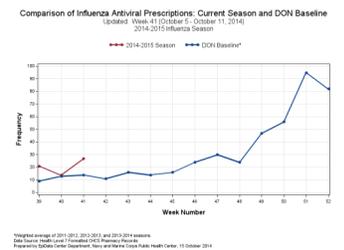
- There were 15 positive laboratory influenza results identified among DON beneficiaries in Week 41 (11 Type A, four Type B).
 - The number of cases this week was slightly above the seasonal baseline.
- Top facilities this week were NMC San Diego (four) and Tripler AMC-Ft. Shafter (four).
 - NH Guam has had the most cumulative cases since week 40 (six), followed by NMC San Diego (five), NH Jacksonville (four), and Tripler AMC-Ft. Shafter (four).
- During Week 41, 7.0% of all influenza tests performed were positive.
 - This is higher than the percent of tests with positive results in Week 41 of last season (4.0%).
- In Week 41, six cases were positive by rapid testing, five by PCR, and four by culture.



Frequency of Testing Types among Positive Influenza Tests					
	Rapid	Culture	PCR	DFA	Unspecified
Week 41	40.0%	26.7%	33.3%	0%	0%
Season	57.1%	22.9%	20.0%	0%	0%

Antivirals:

- There were 27 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (1 amantadine, 26 oseltamivir).
- Since week 40, there have been 79 AVs prescribed to DON beneficiaries this season (7 amantadine, 72 oseltamivir).
- Antiviral prescriptions during Week 41 were above the seasonal baseline.
- Five of the antiviral prescriptions were in the inpatient setting (7.7%).



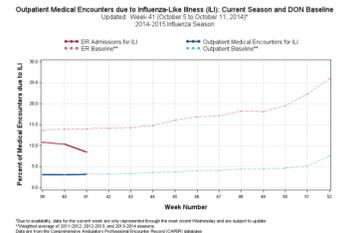
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Syndromic Surveillance

Influenza-Like Illness:

- During Week 41, 3.2% of outpatient medical encounters among DON beneficiaries included ICD-9-CM diagnostic codes for influenza-like illness (ILI); this is equal to the seasonal baseline.
- Among ER admissions, 8.5% of medical encounters contained ILI ICD-9-CM diagnostic codes, which was below the seasonal baseline.



Immunizations

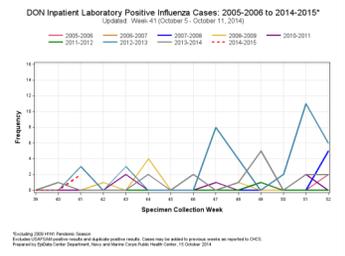
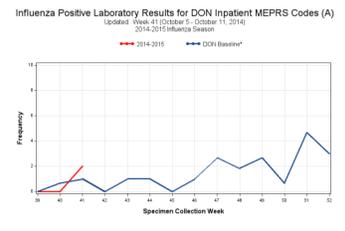
Vaccination Coverage:

- The laboratory positive active duty case this week had no vaccination record.
- 22.3% of Navy and 17.3% of Marine Corps active duty service members have received an influenza vaccine.
 - Among US Fleet Forces active duty personnel, 20.4% have received an influenza vaccine.
- 36.2% of Navy and 23.5% of Marine Corps recruits have received an influenza vaccine.

Severity Indicators

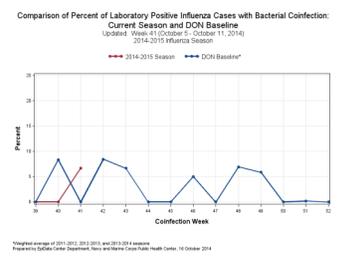
Inpatient Surveillance:

- There were 36 inpatient influenza tests performed among DON beneficiaries in Week 41; two were positive.
- There were five AV medications prescribed in the inpatient setting this week.
 - One AV medication was prescribed to an active duty male at NMC San Diego.
- No inpatient cases were reported to DRSi this week.



Coinfections:

- There was one bacterial coinfection identified among DON beneficiaries in Week 41 (*Escherichia*). **More**

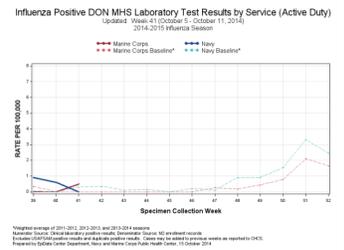


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Active Duty

- There was one laboratory influenza result (Type A) among DON active duty service members in Week 41.
- This week's active duty case was not vaccinated.
- The active duty Marine was tested in an outpatient facility at NH Camp Lejeune and was positive by rapid test.
- Nine active duty service members received AVs during Week 41.
 - Five (55.6%) were Navy and four (44.4%) were Marine Corps.
 - One active duty Navy service member received an AV prescription (amantadine) in an inpatient setting during Week 41 at NMC San Diego.



Vaccination Status of DON Active Duty and Recruit Influenza Cases, Week 41, 2014-2015 Season

Status	Immunity Status	Vaccine Type		Total	Percent
		None			
Active Duty	No vaccination record	1		1	100.0%
Total		1		1	-

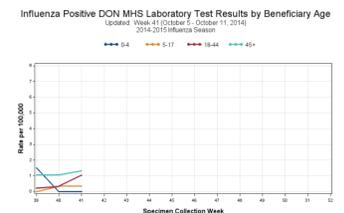
LAIV-live-attenuated influenza vaccine (intranasal), IIV-inactive influenza vaccine (injection)
 Vaccinated, immune: Vaccinated more than 14 days prior to infection.
 Vaccinated, not immune: Vaccinated less than 14 days prior to infection, or after infection.
 Prepared by EpiData Center Department, Navy and Marine Corps Public Health Center, 15 October 2014

Recruits:

- There were no positive laboratory influenza results among DON recruits in Week 41.
- There were no AVs dispensed to a recruit during Week 41.

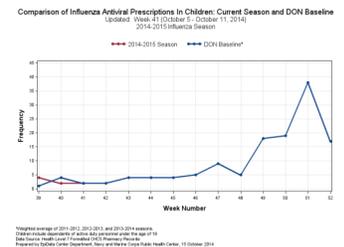
Children:

- The rates of positive influenza results in the 0-4 and 5-17 age groups in Week 41 were 0.0 and 0.34 per 100,000, respectively.
- There were two AV medications prescribed to children during Week 41. The number of AVs dispensed to children during Week 41 was equal to the seasonal baseline.



Other Age Groups:

- During Week 41, the laboratory influenza rates among the 18-44 and 45+ age groups were 1.04 and 1.33 per 100,000, respectively.



In the News

- WHO notes declining Southern Hemisphere influenza season. [More](#)
- Some manufacturers and US regions are reporting delays in influenza vaccine shipments. [More](#)
- First report of this of deaths due to influenza in the US appear in North Carolina and Idaho. [More](#)

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