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U.S. Army Influenza Activity Report

Week Ending 10 December 2016 (Week 49)

2016-2017 Seasonal Influenza Vaccination Coverage As of 8 December 2016

87%	DoD
93%	Army Active Duty
85%	Army Guard
73%	Army Reserve

Data Source: MEDPROS, ASIMS, MRRS

SYNOPSIS: The percentage of influenza A positive specimens in Army MTFs increased in all RHCs over the past week. In the US civilian populations, influenza-like illness (ILI) activity decreased slightly.

- **ILI Activity:** Army incident ILI outpatient visits in week 49 were less than 1% lower than the same week last year.
- **Influenza cases:** No hospitalized influenza-associated cases were reported to APHC through DRSi in week 49. Three cases have been reported so far this season.
- **Viral specimens:** During week 49, 144 of 909 (16%) laboratory specimens tested positive for respiratory pathogens. RHC-A reported most (37%) of the influenza A-positive specimens, followed by RHC-P (27%), RHC-C (24%), RHC-E (7%), and CENTCOM (5%).

Geographic Spread

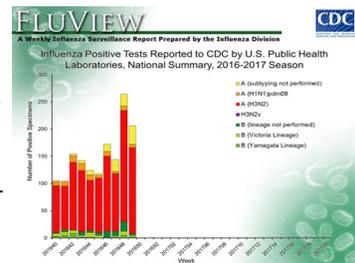


United States

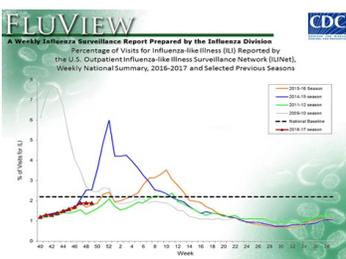
- In week 49, regional activity was reported by Guam, U.S. Virgin Islands and 7 states. Local activity was reported in 22 states and the District of Columbia and widespread activity was reported by Puerto Rico. Sporadic flu activity was reported by 20 states. No activity was reported by Rhode Island.

CDC Virologic Surveillance

- During week 49, 96.1% (198) of specimens collected from civilian labs tested positive for Influenza A. A(H3) accounted for 158 of the 198 samples, 6 were A (H1N1)pdm09 and 34 were not subtyped.

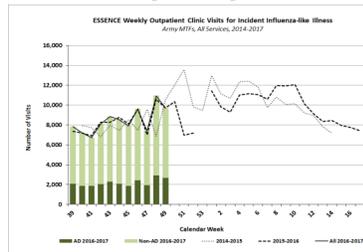


ILI Activity United States



- Nationwide during week 49, 1.9% of outpatient visits reported in ILINet were due to ILI, which is below the national baseline of 2.2%.
- The percentage of ILI outpatient visits ranged from 0.7% to 3.6% across the regions reporting.

ILI Activity Army



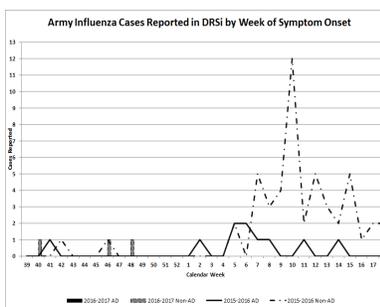
- During week 49, incident ILI activity was less than 1% lower than the same time last year and 8% lower than week 49 in 2014-2015.
- AD SMs accounted for 28% of incident ILI clinic visits during week 49; in 2015-2016, AD SMs comprised 26% of ILI clinic visits on average.

Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2016-17					
Test Result	Week 46	Week 47	Week 48	Week 49	Season Total
Influenza A	12	20	17	41	135
Influenza B	11	10	11	8	66
Adenovirus	3	3	7	7	55
Enterovirus	9	10	8	16	95
Parainfluenza	19	8	14	24	123
RSV	34	32	29	48	341
Negative	645	545	725	765	5867
Total Results	733	628	811	909	6682

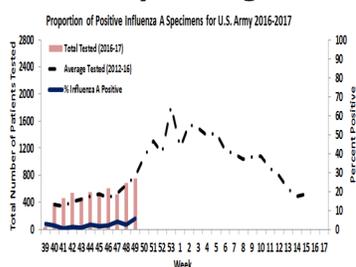
- In week 49, 16% (144) of specimens tested positive.
- RSV and influenza A accounted for 33% and 28% of positive specimens, respectively.
- Parainfluenza accounted for 17% of positive specimens.
- Influenza B accounted for 6%, and adenovirus for 5%.

DRSi Influenza Case Reporting



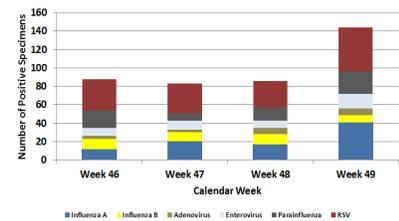
- In week 49, no cases of influenza-associated hospitalization were reported in DRSi.
- At the same time last influenza season, three influenza-associated hospitalizations were reported. Three cases have been reported so far this season.

Laboratory Testing for Influenza A



- In week 49, 41 of 750 (5.5%) specimens tested positive for influenza A. This was an increase from week 48 (2.5%). 32 (78%) of the positive influenza A specimens were from non-active duty individuals.
- RHC-A reported 15 (37%) of the total influenza A-positive specimens. RHC-P reported 11 (27%) positive specimens, RHC-C reported 10 (24%), RHC-E reported 3 (7%), and CENTCOM reported 2 (5%).

Positive Respiratory Specimen Results from Army MTFs by Virus, 2016-2017 Influenza Season



Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#)
Key: ILI- Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV- Adenovirus; RSV-Respiratory Syncytial Virus; DED- Disease Epidemiology Division; SM-Service Member

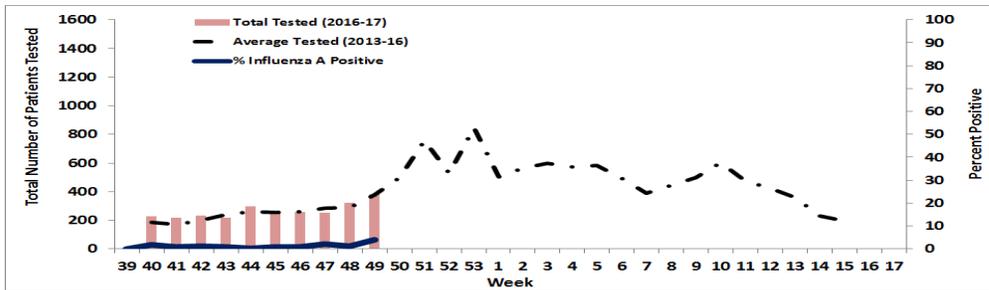
Questions?
[Email APHC DEP](#)
 410-436-7605



U.S. Army Influenza Activity Report

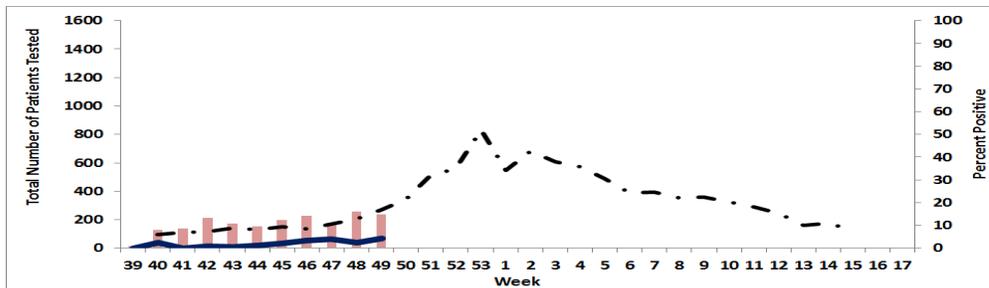
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2016-2017 as Compared to 2013-2016

Regional Health Command - Atlantic (RHC-A)



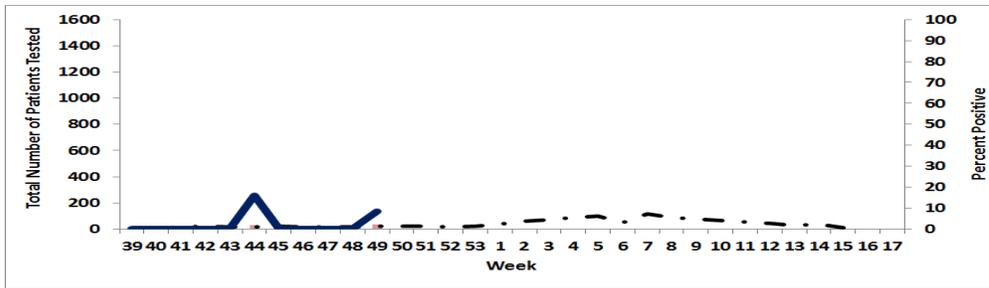
Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	9	18
18-29	0	1	8
30-39	0	2	3
40-49	3	0	4
50-59	0	0	3
60+	0	0	4
Total	3	12	40

Regional Health Command - Central (RHC-C)



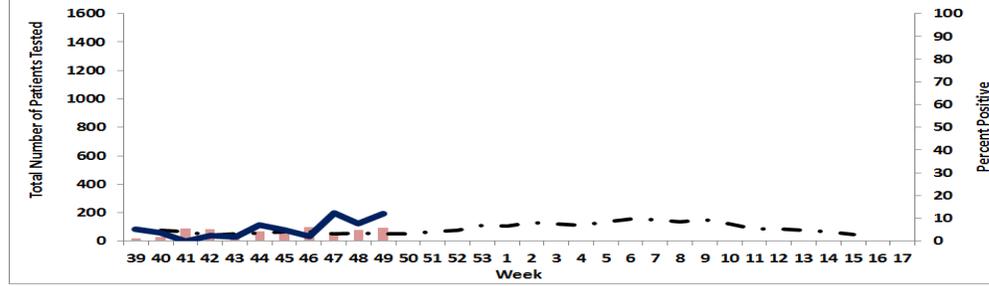
Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	7	23
18-29	1	0	6
30-39	0	0	3
40-49	0	0	1
50-59	0	0	5
60+	0	2	5
Total	1	9	43

Regional Health Command - Europe (RHC-E)



Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	1	1
18-29	2	0	5
30-39	0	0	0
40-49	0	0	1
50-59	0	0	0
60+	0	0	1
Total	2	1	8

Regional Health Command - Pacific (RHC-P)



Week 49			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	5	14
18-29	1	2	6
30-39	0	2	7
40-49	0	0	2
50-59	0	1	7
60+	0	0	4
Total	1	10	40

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 42		Week 43		Week 44		Week 45		Week 46		Week 47		Week 48		Week 49	
	AD	Non-AD														
RHC-A	1	2	1	1	0	1	0	2	0	2	1	4	0	4	3	12
RHC-C	0	2	1	0	1	1	0	4	0	8	0	7	3	3	1	9
RHC-E	0	0	0	0	3	2	0	0	0	0	0	0	0	0	2	1
RHC-P	1	1	0	1	0	5	0	3	0	2	0	8	0	6	1	10
CENTCOM	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	0

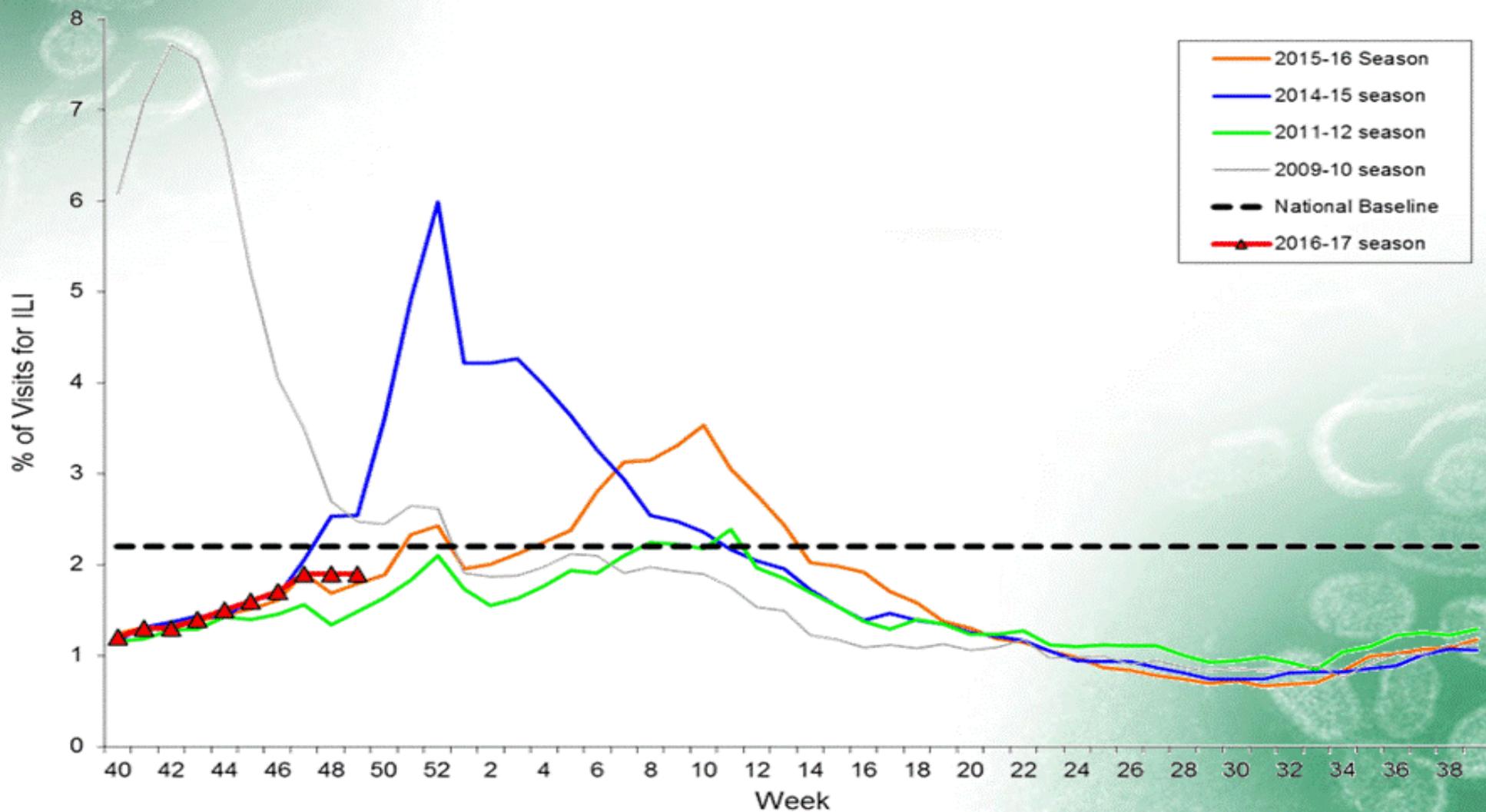
Locations providing week 49 laboratory data as of 14 December 2016: Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, West Point, Walter Reed, and Kuwait.

FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2016-2017 and Selected Previous Seasons

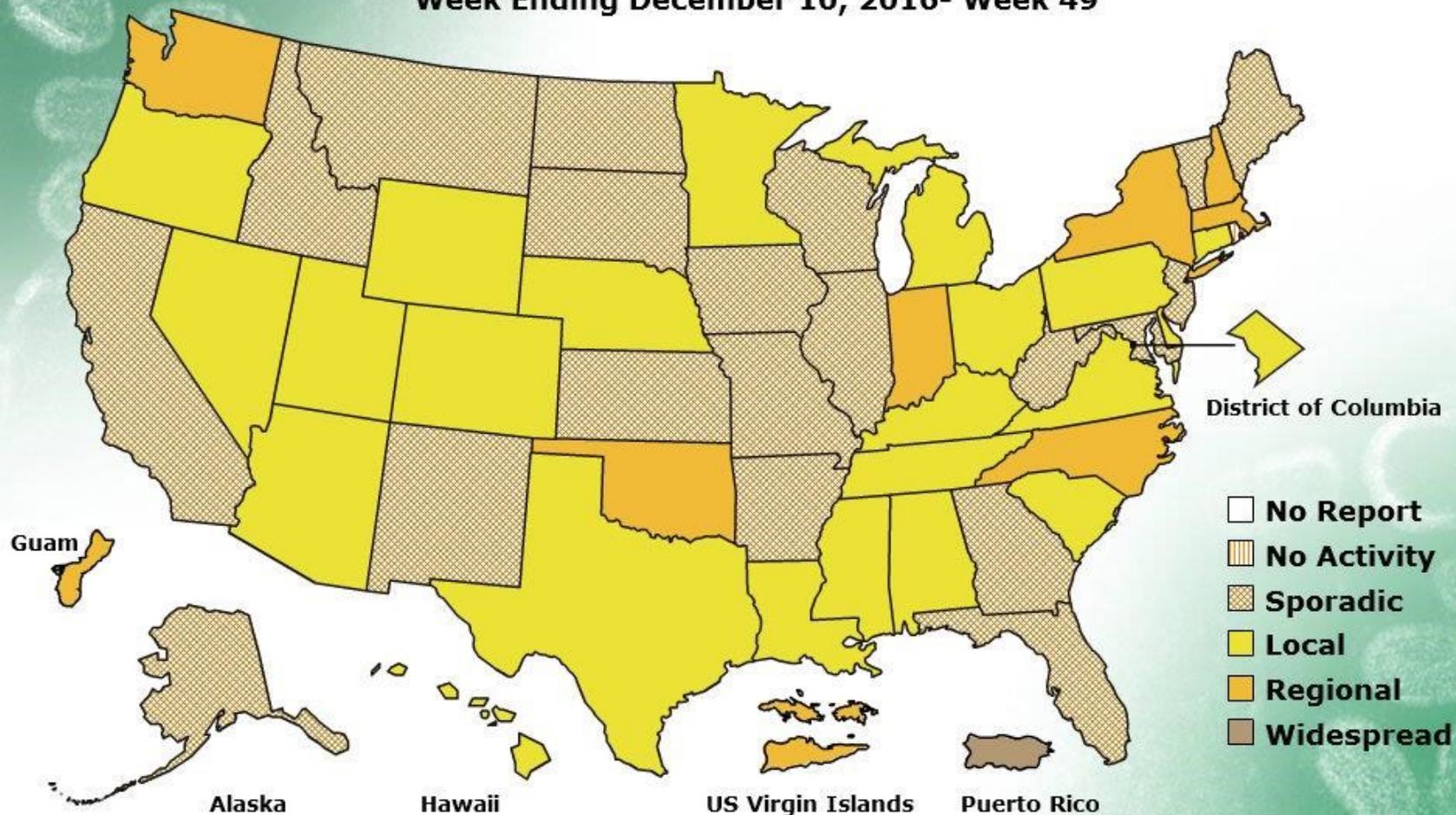


FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending December 10, 2016- Week 49



*This map indicates geographic spread and does not measure the severity of influenza activity.