



Cumulative Results

Locations	35
Collected	81
Tested	47

Influenza A 0

A(H1N1)pdm09	0
A(H3N2)	0
A/not subtyped	0

Influenza B* 0

B	0
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Other Respiratory Pathogens 23

Adenovirus	3
<i>Bordetella pertussis</i>	0
<i>Chlamydomphila pneumoniae</i>	0
Coronavirus	0
Human Metapneumovirus	0
<i>Mycoplasma pneumoniae</i>	4
Parainfluenza	4
RSV	1
Rhino/Enterovirus	11
Non-influenza Co-infections	0

Lab data are current as of 19 October 2015. Results are preliminary and may change as more results are received.
*Influenza B lineages will be reported in the periodic molecular sequence reports.

Respiratory Highlights

4 - 17 October 2015 (Surveillance Weeks 40 & 41)

- During 4 - 17 October 2015, a total of 81 specimens were collected and received from 35 locations. Results were finalized for 47 specimens from 26 locations. There were no influenza viruses identified.
- Globally, influenza activity has decreased or remained low in both hemispheres, with only a few countries reporting elevated respiratory illness levels. Increased RSV activity was reported in the U.S. Few influenza detections were reported by countries in Africa, with influenza A viruses predominating. In tropical countries in the Americas, Central America and the Caribbean, influenza activity remained at low levels. In tropical Asia, countries in Southern and Southeast Asia reported low influenza activity overall; however, India and Lao People's Democratic Republic has increased activity due to influenza A(H1N1)pdm09 and A(H3N2) viruses, respectively. Influenza activity declined in Southern China. In temperate South America, respiratory virus and influenza-like illness (ILI) activity has decreased in recent weeks. In Australia and New Zealand, influenza activity continued to decrease. Of the recent specimens that were subtyped by national influenza laboratories, 66.7% have been influenza A (70.2% are A(H3N2) and 29.8% are A(H1N1)pdm09) and 33.3% are influenza B (66.7% belong to the B/Yamagata lineage and 33.3% belong to the B/Victoria lineage) ([WHO Influenza Update](#), cited 20 October 2015).

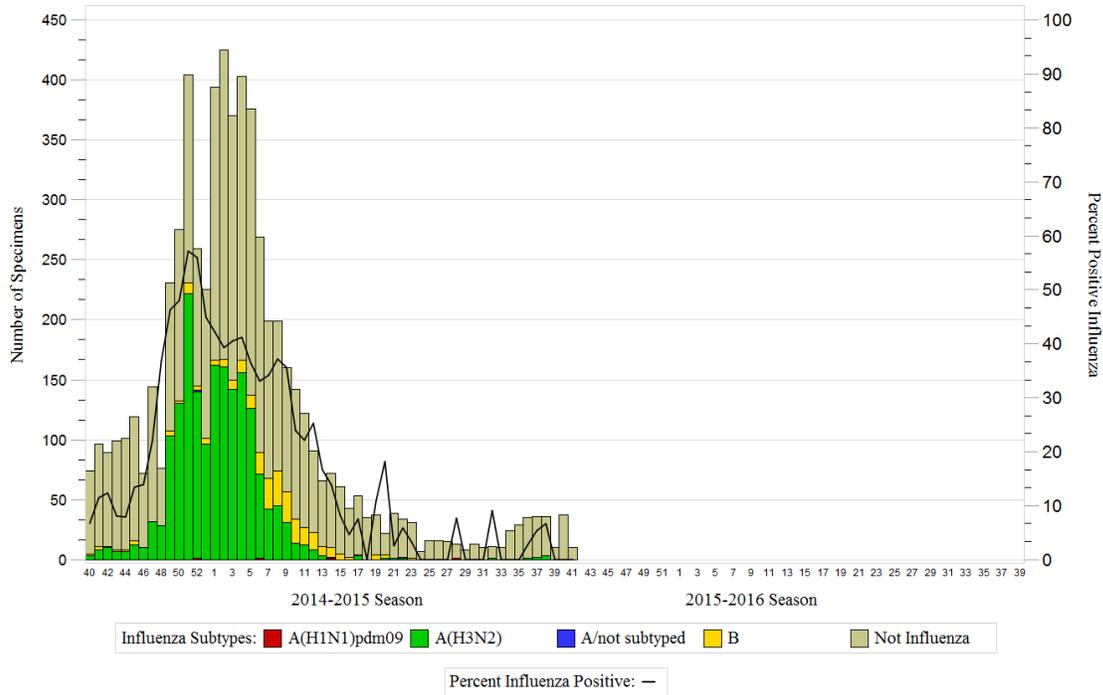
Table 1. Results by region and location for specimens collected during Weeks 40 & 41

Region*	Adenovirus	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	No Pathogen	Total
PACOM	Eielson AFB, AK	-	-	-	-	2	2
	Kadena AB, Japan	-	-	-	1	-	1
	Misawa AB, Japan	-	-	1	1	-	2
	Yokota AB, Japan	-	-	-	-	1	1
	Hanscom AFB, MA	1	-	-	-	1	2
Region 1	NHCNE Newport, RI	-	-	-	1	-	1
	Region 2	JB McGuire-Dix-Lakehurst, NJ	-	-	-	1	-
USMA - West Point, NY		-	-	1	-	2	3
Region 3	Dover AFB, DE	-	-	-	-	1	1
	JB Andrews, MD	-	1	-	-	-	1
	NMC Portsmouth, VA	-	1	-	-	1	2
Region 4	Eglin AFB, FL	-	-	2	-	2	4
	Ft Campbell, KY	-	-	-	-	1	1
	Keesler AFB, MS	-	1	-	-	1	2
	Maxwell AFB, AL	-	-	-	-	1	1
	Moody AFB, GA	1	-	-	-	-	1
Region 5	Wright-Patterson AFB, OH	-	-	-	1	-	1
Region 6	Sheppard AFB, TX	-	-	-	2	4	6
	Tinker AFB, OK	-	-	1	-	1	2
Region 7	McConnell AFB, KS	-	-	-	-	1	1
	Offutt AFB, NE	1	-	-	-	2	3
Region 8	Ellsworth AFB, SD	-	1	-	-	-	1
	FE Warren AFB, WY	-	-	-	-	1	2
	Davis-Monthan AFB, AZ	-	-	-	-	1	1
Region 9	Nellis AFB, NV	-	-	-	1	-	1
	NH Bremerton, WA	-	-	-	1	-	1
Total	3	4	4	1	11	24	47

*US Regions are based on Health & Human Services regions. Other locations are defined by COCOM.

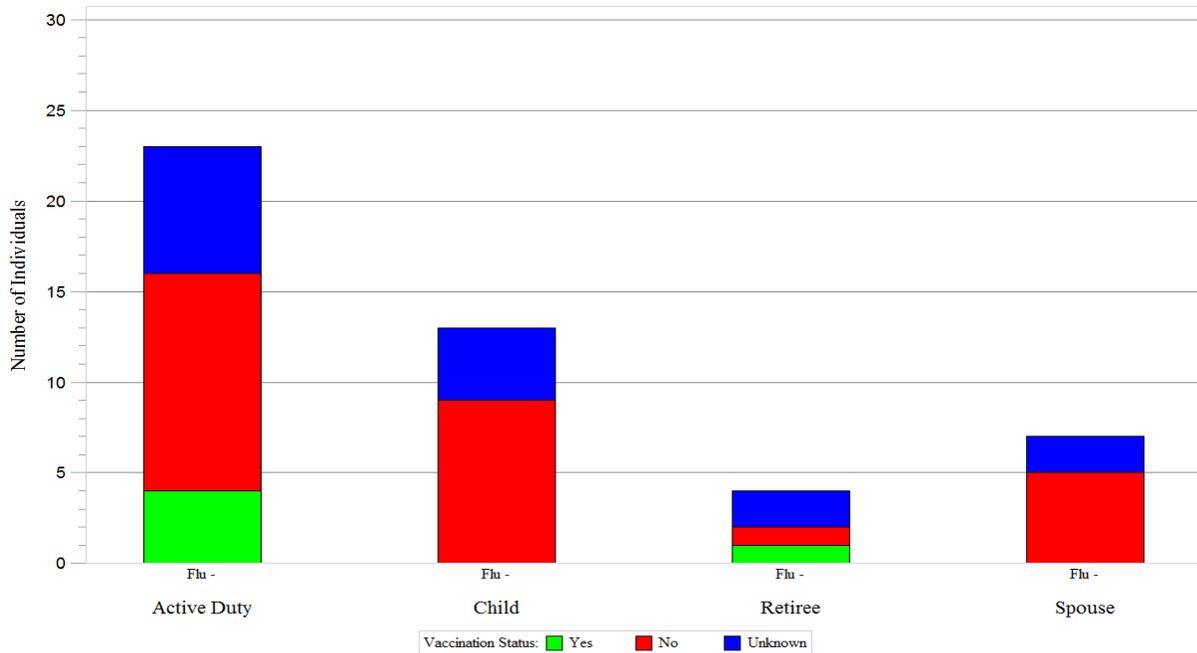
Laboratory Results - Cumulative for Season

Graph 1. Percent influenza positive by week: 2014-2015 surveillance year and through Week 41 of the 2015-2016 surveillance year

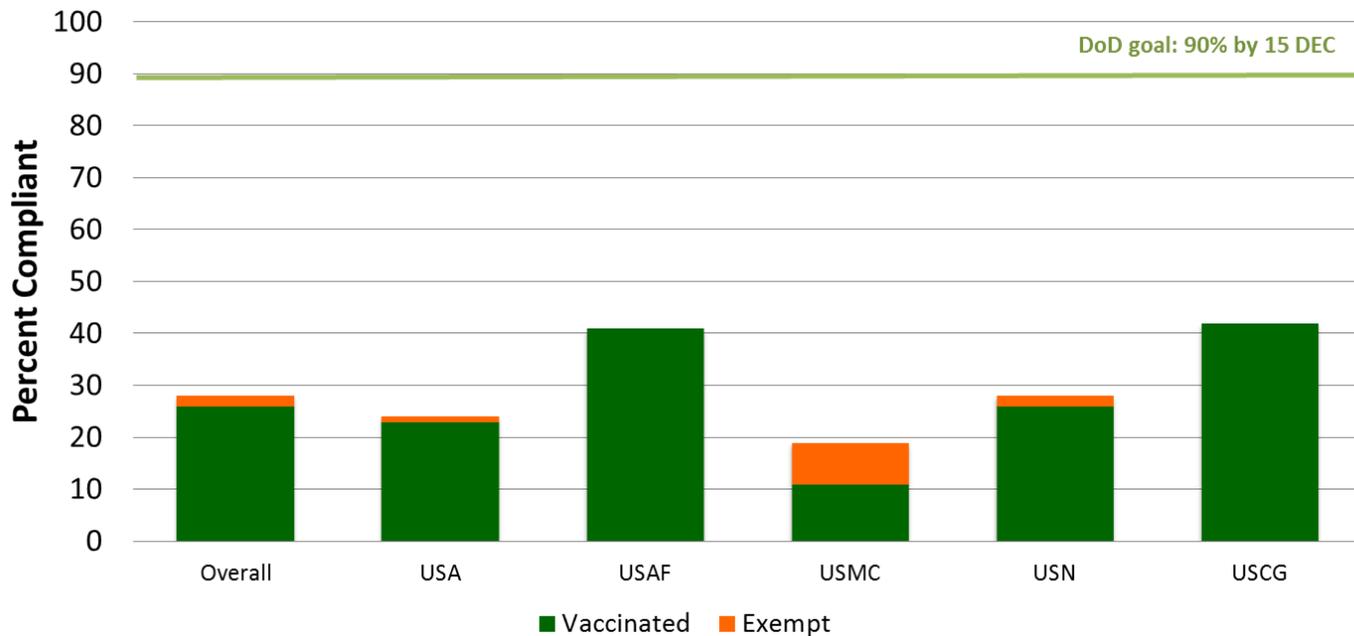


Note: Dual influenza co-infections are excluded from this graph. Specimens with pending results are used in the denominator to calculate percent positive, but are not displayed in the graph.

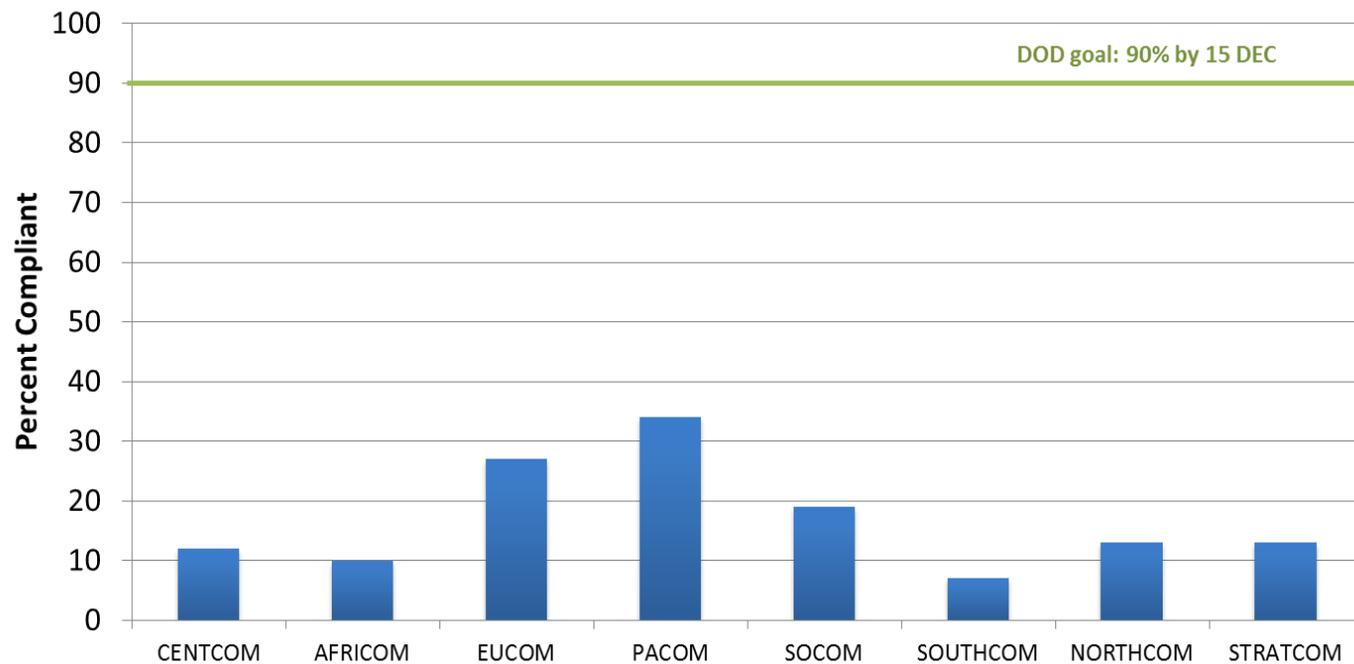
Graph 2. Vaccination status by beneficiary type for the 2015-2016 surveillance year through Week 41



Graph 3. Influenza Immunization Status by Service‡



Graph 4. Influenza Immunization Status by Combatant Command‡



‡Courtesy of DHA Immunizations Healthcare Branch

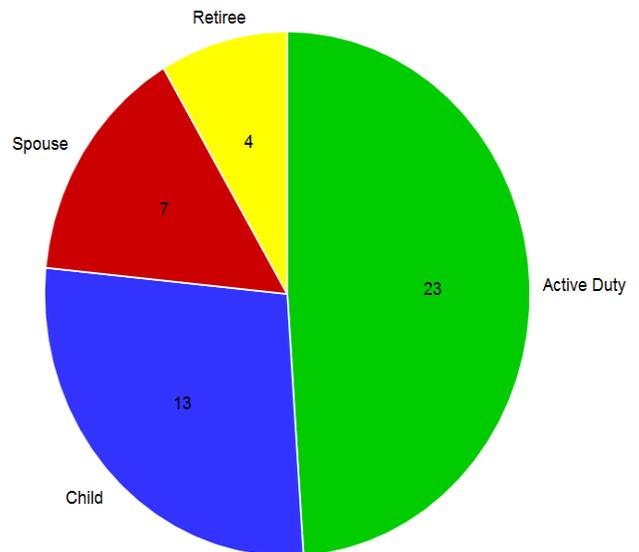
Table 2. ILI by age group for the 2015-2016 surveillance year through Week 41

Age Group	Frequency	Percent
0-5	10	21.28
6-9	1	2.13
10-17	2	4.26
18-24	9	19.15
25-44	17	36.17
45-64	6	12.77
65+	2	4.26

Demographic Summary

Of 47 ILI cases, 23 are service members (48.9%), 13 are children (27.7%), seven (14.9%) are spouses, and four (8.5%) are retirees. The median age of ILI cases with known age (n=47) is 27 (range 0, 85) and 13 (27.7%) of these specimens are from ILI cases less than 18 years of age.

Graph 5. ILI by beneficiary status for the 2015-2016 surveillance year through Week 41



Errata:

DoD Global, Laboratory-based,
Influenza Surveillance Program
<https://gumbo2.wpafb.af.mil/epi-consult/influenza/index.cfm>

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