



Cumulative Results

Locations	62
Collected	504
Tested	452

Influenza A 6

A(H1N1)pdm09	0
A(H3N2)	6
A/not subtyped	0

Influenza B* 3

B	3
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Other Respiratory Pathogens 146

Adenovirus	24
<i>Bordetella pertussis</i>	1
<i>Chlamydomphila pneumoniae</i>	0
Coronavirus	4
Human Metapneumovirus	1
<i>Mycoplasma pneumoniae</i>	13
Parainfluenza	37
RSV	6
Rhino/Enterovirus	45
Non-influenza Co-infections	15

Lab data are current as of 23 November 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

8 - 21 November 2015 (Surveillance Weeks 45 & 46)

- During 8 - 21 November 2015, a total of 145 specimens were collected and received from 45 locations. Results were finalized for 105 specimens from 36 locations. Two influenza A(H3N2) viruses and one influenza B virus were identified in Week 45 and again during Week 46.
- During Week 44 (8 - 14 November 2015), influenza activity slightly increased in the United States. **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories in Week 45 was influenza A, with influenza A(H3N2) viruses predominating. **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.6%, which is below the national baseline (2.1%). **Geographic Spread of Influenza:** The geographic spread of influenza in Guam was reported as widespread; Puerto Rico reported regional activity; four states reported local activity; 40 states reported sporadic activity; and the District of Columbia, the U.S. Virgin Islands, and six states reported no influenza activity. (CDC FluView Week 45 Report, cited 24 November 2015).

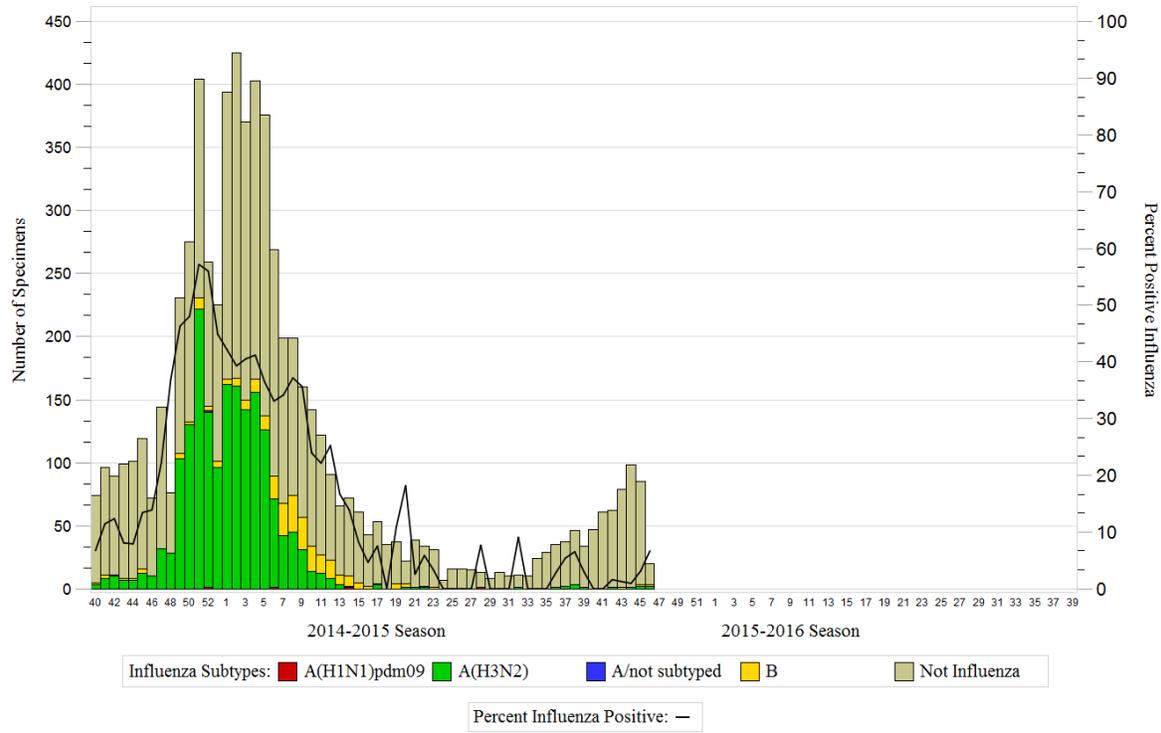
Table 1. Results by region and location for specimens collected during Weeks 45 & 46

Region*	A(H3N2)	B	Adenovirus	<i>B. pertussis</i>	Coronavirus	hMPV	<i>M. pneumoniae</i>	Parainfluenza	RSV	Rhino/Enterovirus	Adeno & Rhino/Enterovirus	Corona & RSV	Corona & Rhino/Enterovirus	hMPV & Rhino/Enterovirus	Para & Rhino/Enterovirus	No Pathogen	Total
PACOM	Eielson AFB, AK	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Misawa AB, Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Region 2	Ft Drum, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	JB McGuire-Dix-Lakehurst, NJ	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Region 3	USMA - West Point, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
	JB Langley-Eustis, VA	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	2
Region 4	NMC Portsmouth, VA	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
	Ft Bragg, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Region 5	Ft Campbell, KY	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2
	Keesler AFB, MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Region 6	Maxwell AFB, AL	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	3
	Moody AFB, GA	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	3
Region 7	NH Jacksonville, FL	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	2
	Robins AFB, GA	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	2
Region 8	Shaw AFB, SC	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2
	Wright-Patterson AFB, OH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Region 9	Altus AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Cannon AFB, NM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Region 10	Little Rock AFB, AR	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Sheppard AFB, TX	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	4
Region 11	Tinker AFB, OK	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	5
	Vance AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Region 12	Ft Leavenworth, KS	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	2
	McConnell AFB, KS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Region 13	Offutt AFB, NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Ellsworth AFB, SD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Region 14	FE Warren AFB, WY	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	Hill AFB, UT	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	4
Region 15	Malmstrom AFB, MT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
	Minot AFB, ND	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Region 16	Peterson AFB, CO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	USAF Academy, CO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Region 17	Nellis AFB, NV	2	1	1	-	-	-	1	1	1	1	-	-	-	-	-	7
	Travis AFB, CA	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-	5
Region 18	Vandenberg AFB, CA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	NH Bremerton, WA	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1
Total	4	2	6	1	2	1	3	8	3	9	2	1	2	1	1	59	105

*CONUS locations 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 46 of the 2015-2016 surveillance year

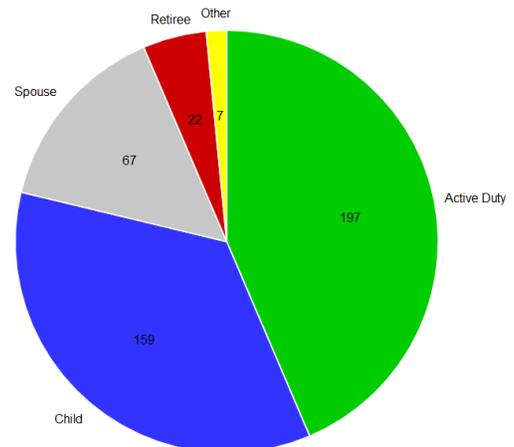


Note: Dual influenza co-infections are excluded from this graph. Specimens with pending results are used in the denominator to calculate percent positive, but are not displayed in the graph.

Table 2. ILI by age group for the 2015-2016 surveillance year through Week 46

Age Group	Frequency	Percent
0-5	104	23.01
6-9	24	5.31
10-17	32	7.08
18-24	90	19.91
25-44	156	34.51
45-64	38	8.41
65+	8	1.77

Graph 2. ILI by beneficiary status for the 2015-2016 surveillance year through Week 46



Demographic Summary

Of 452 ILI cases, 197 are service members (43.6%), 159 are children (35.2%), 67 are spouses (14.8%), and 29 (6.4%) are retirees and other beneficiaries. The median age of ILI cases with known age (n=452) is 22 (range 0, 91).

DoD Global, Laboratory-Based, Influenza Surveillance Program

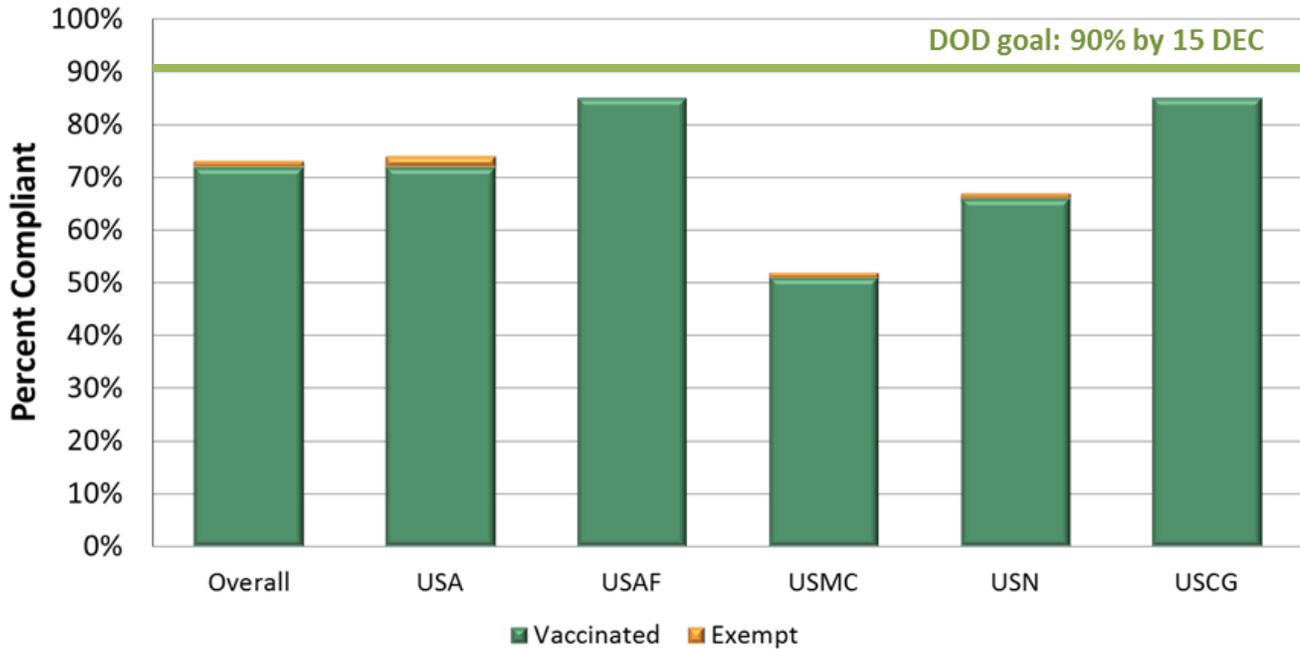
Laboratory Results—Through Current Surveillance Week 46

Table 3. Cumulative results by region and location for specimens collected during the 2015-2016 surveillance year

Region*		A(H3N2)	B	Adenovirus	B. pertussis	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Co-Infection	No Pathogen	Total
PACOM	Eielson AFB, AK	1	-	-	-	-	-	-	-	-	-	-	2	3
	JR Marianas - Andersen AFB, Guam	-	-	-	-	-	-	-	-	-	-	1	-	1
	Kadena AB, Japan	-	-	-	-	-	-	-	-	-	2	-	-	5
	Misawa AB, Japan	-	-	-	-	-	-	-	-	1	2	-	-	6
	Yokota AB, Japan	-	-	-	-	-	-	1	-	1	-	-	-	5
Region 1	Hanscom AFB, MA	-	-	1	-	-	-	-	-	-	-	-	-	3
	NHCNE Newport, RI	-	-	-	-	-	-	-	-	-	1	-	-	2
	USCG Academy, CT	-	-	-	-	-	-	-	-	-	-	-	1	1
Region 2	Ft Drum, NY	-	-	-	-	-	-	-	-	-	1	-	-	3
	JB McGuire-Dix-Lakehurst, NJ	-	-	-	-	-	-	-	-	-	4	-	-	5
	USMA - West Point, NY	-	1	-	-	-	-	1	1	-	-	-	1	28
Region 3	Dover AFB, DE	-	-	-	-	-	-	-	-	-	-	-	-	3
	JB Anacostia-Bolling, DC	-	-	-	-	-	-	-	-	-	-	-	-	1
	JB Andrews, MD	-	-	-	-	-	-	1	-	-	-	-	-	1
	JB Langley-Eustis, VA	-	-	1	-	-	-	-	-	-	1	-	-	3
	NMC Portsmouth, VA	-	-	1	-	-	-	2	1	-	2	1	-	10
Region 4	CGS Mobile, AL	-	-	-	-	-	-	-	-	-	-	-	-	1
	Columbus AFB, MS	-	-	-	-	-	-	-	-	-	-	-	-	5
	Eglin AFB, FL	-	-	1	-	-	-	-	3	-	-	-	-	5
	Ft Bragg, NC	-	-	1	-	-	-	-	-	-	-	-	-	7
	Ft Campbell, KY	-	-	-	-	-	-	-	2	-	2	-	-	6
	Hurlburt Field, FL	-	-	-	-	-	-	-	-	-	-	1	-	2
	Keesler AFB, MS	-	-	-	-	-	-	1	-	-	1	-	-	8
	MacDill AFB, FL	-	-	-	-	-	-	-	1	-	-	-	-	2
	Maxwell AFB, AL	-	-	-	-	-	-	-	1	1	-	-	-	5
	Moody AFB, GA	-	-	2	-	1	-	-	2	1	3	1	-	7
	NH Jacksonville, FL	-	-	2	-	-	-	-	-	1	-	-	-	4
	Robins AFB, GA	-	-	-	-	-	-	1	1	-	-	-	-	2
	Seymour Johnson AFB, NC	-	-	1	-	-	-	-	-	-	-	-	-	1
	Shaw AFB, SC	-	-	-	-	-	-	2	-	-	2	-	-	6
	Tyndall AFB, FL	-	-	-	-	-	-	-	-	-	-	1	1	2
Region 5	Scott AFB, IL	-	-	1	-	-	-	-	1	-	-	-	-	6
	Wright-Patterson AFB, OH	-	-	1	-	-	-	-	-	-	1	-	-	3
Region 6	Altus AFB, OK	-	-	-	-	-	-	-	2	-	-	-	-	13
	Cannon AFB, NM	-	-	1	-	-	-	-	-	-	1	-	-	8
	Laughlin AFB, TX	-	-	-	-	1	-	-	-	-	-	-	-	2
	Little Rock AFB, AR	-	-	-	-	1	-	-	-	-	-	-	-	2
	Sheppard AFB, TX	-	-	1	-	-	1	1	-	-	4	-	-	23
	Tinker AFB, OK	-	-	-	-	-	-	-	3	-	2	4	-	9
	Vance AFB, OK	-	-	-	-	-	-	-	-	1	-	-	-	16
Region 7	Ft Leavenworth, KS	-	1	-	-	-	-	-	-	-	1	-	-	7
	McConnell AFB, KS	1	-	-	-	-	-	1	-	-	1	-	-	8
	Offutt AFB, NE	-	-	1	-	-	-	-	-	-	-	-	-	14
Region 8	Ellsworth AFB, SD	-	-	1	-	-	-	1	-	-	-	-	-	6
	FE Warren AFB, WY	-	-	-	1	-	-	-	-	-	2	-	-	6
	Hill AFB, UT	-	-	1	-	-	-	1	-	-	1	-	-	11
	Malmstrom AFB, MT	-	-	-	-	-	-	-	-	-	1	-	-	1
	Minot AFB, ND	-	-	-	-	-	-	-	1	-	-	-	-	1
	Peterson AFB, CO	-	-	1	-	-	-	-	-	-	-	-	-	2
	USAF Academy, CO	-	-	-	-	-	-	-	3	-	1	-	-	8
Region 9	Davis-Monthan AFB, AZ	-	-	-	-	-	-	-	-	-	-	-	-	2
	Edwards AFB, CA	-	-	-	-	-	-	-	-	-	-	-	-	2
	Luke AFB, AZ	-	-	-	-	-	-	-	-	-	-	-	-	1
	Nellis AFB, NV	2	1	5	-	-	-	-	3	1	3	1	-	5
	Travis AFB, CA	1	-	1	-	-	-	-	1	-	-	2	-	7
	USCG Island Alameda, CA	-	-	-	-	-	-	-	-	-	-	-	-	2
	Vandenberg AFB, CA	-	-	-	-	-	-	-	-	-	-	-	-	2
Region 10	Mt Home AFB, ID	-	-	-	-	-	-	-	-	-	-	-	-	1
	NH Bremerton, WA	1	-	-	-	1	-	-	9	-	6	2	-	16
Total	6	3	24	1	4	1	13	37	6	45	15	297	452	

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

Graph 3. Influenza Immunization Status by Service‡

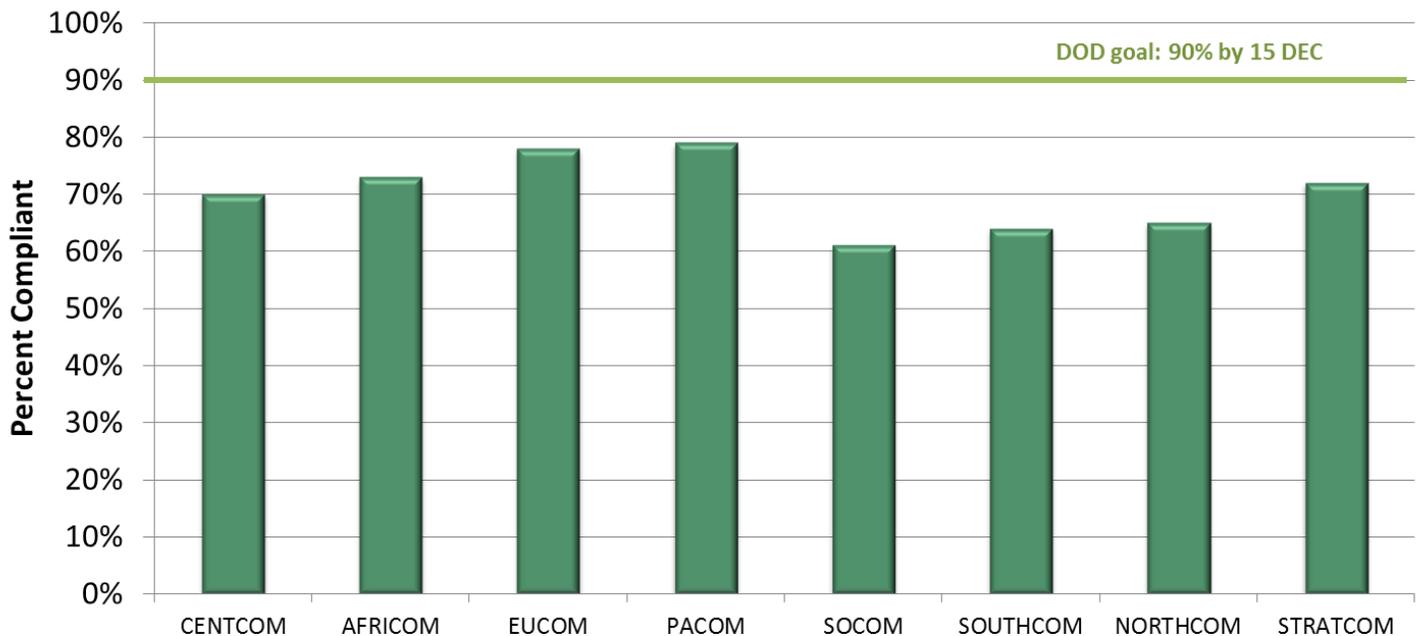


As of 19 NOV

No exemptions noted reflect less than 1% of force exempted

Data Sources: Army - MEDPROS, Air Force - ASIMS, Navy, Marine Corps & Coast Guard - MRRS

Graph 4. Influenza Immunization Status by Combatant Command‡

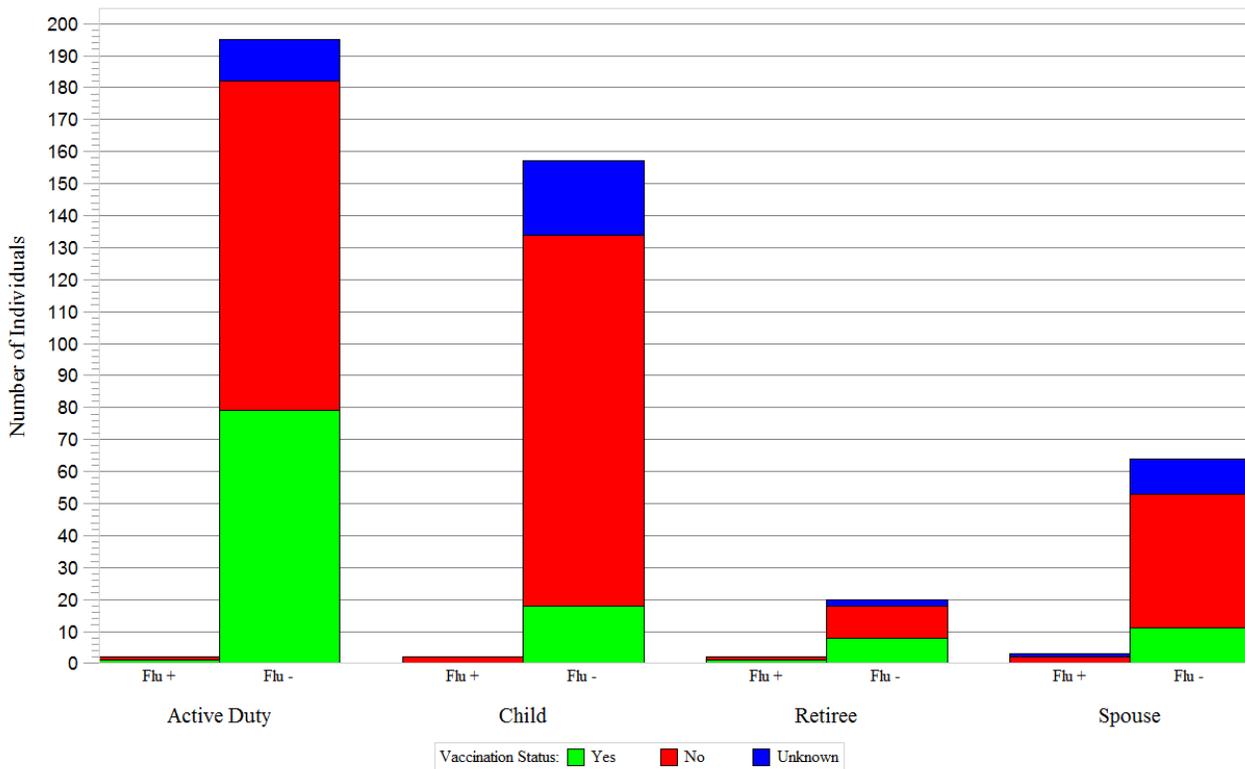


Compliance = % eligible (no exemption) with vaccination

Data Source: DMDC & DEERS; IMZ data as of 17 NOV; personnel data as of 1 NOV; AFRICOM HQ personnel in Europe included in AFRICOM total.

‡Courtesy of DHA Immunizations Healthcare Branch

Graph 5. Vaccination status by beneficiary type for the 2015-2016 surveillance year through Week 46



Errata:

[DoD Global, Laboratory-Based,
Influenza Surveillance Program](https://gumbo2.wpafb.af.mil/epi-consult/influenza/index.cfm)
<https://gumbo2.wpafb.af.mil/epi-consult/influenza/index.cfm>

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