



Cumulative Results

Locations	62
Collected	571
Tested	529

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 166

Adenovirus	26
<i>Bordetella pertussis</i>	1
<i>Chlamydomonas pneumoniae</i>	0
Coronavirus	5
Human Metapneumovirus	1
<i>Mycoplasma pneumoniae</i>	16
Parainfluenza	41
RSV	8
Rhino/Enterovirus	52
Non-influenza Co-infections	16

Lab data are current as of 30 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

15 - 28 November 2015 (Surveillance Weeks 46 & 47)

- During 15 - 28 November 2015, a total of 112 specimens were collected and received from 38 locations. Results were finalized for 79 specimens from 29 locations. Two influenza A(H3N2) viruses and one influenza B virus were identified during Week 46.
- During Week 46 (15 - 21 November 2015), influenza activity slightly increased in the United States. **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories during Week 46 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 of 2.1%.

Geographic Spread of Influenza: The geographic spread of influenza in Guam was reported as widespread; Puerto Rico reported regional activity; five states reported local activity; 39 states reported sporadic activity; and the District of Columbia, the U.S. Virgin Islands, and six states reported no influenza activity (CDC FluView Week 46 Report, cited 2 December 2015).

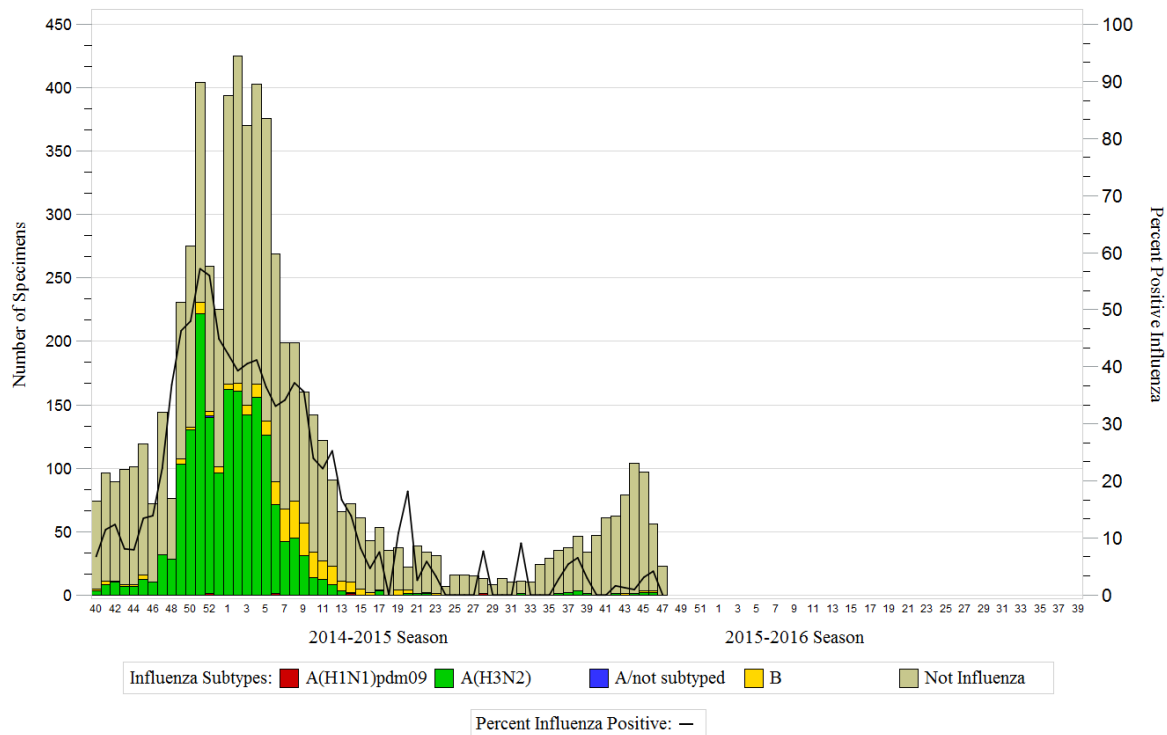
Table 1. Results by region and location for specimens collected during Weeks 46 & 47

Region*		A(H3N2)	B	Adenovirus	Coronavirus	hMPV	M. pneumoniae	Para Influenza	RSV	Rhino/Enterovirus	B. pertussis & Para	No Pathogen	Total
PACOM	CFA Okinawa, Japan	-	-	-	-	-	-	-	-	-	-	1	1
	Eielson AFB, AK	1	-	-	-	-	-	-	-	-	-	1	2
	Kadena AB, Japan	-	-	-	-	-	-	-	-	-	-	1	1
Region 1	Hanscom AFB, MA	-	-	-	-	-	-	2	-	-	-	1	3
Region 2	USMA - West Point, NY	-	-	1	-	-	-	-	1	-	-	2	4
Region 3	JB Langley-Eustis, VA	-	-	1	-	-	-	-	1	1	-	-	3
	NMC Portsmouth, VA	-	-	1	-	-	1	-	-	-	-	1	3
Region 4	Columbus AFB, MS	-	-	-	-	-	-	-	-	-	-	1	1
	Ft Bragg, NC	-	-	-	-	-	-	-	-	-	-	2	2
	Ft Campbell, KY	-	-	-	-	-	-	-	1	-	-	2	3
	Maxwell AFB, AL	-	-	-	-	-	-	-	-	-	-	4	4
	Moody AFB, GA	-	-	-	-	-	-	-	-	-	-	1	1
	Robins AFB, GA	-	-	-	-	-	1	-	-	-	-	1	2
	Shaw AFB, SC	-	-	-	-	-	-	-	1	-	-	-	1
Region 5	Tyndall AFB, FL	-	-	-	1	-	-	-	-	-	-	-	1
	Scott AFB, IL	-	-	-	-	-	-	-	-	-	-	1	1
Region 6	Barksdale AFB, LA	-	-	-	-	-	-	-	-	-	-	1	1
	Sheppard AFB, TX	-	-	1	-	1	-	-	-	-	-	1	3
	Tinker AFB, OK	-	-	-	-	-	1	-	-	-	-	1	2
Region 7	McConnell AFB, KS	-	-	-	-	-	1	1	-	1	1	2	6
	Offutt AFB, NE	-	-	-	-	-	-	-	-	-	-	2	2
Region 8	Ellsworth AFB, SD	-	-	-	-	-	-	-	-	-	-	5	5
	Hill AFB, UT	-	-	-	-	-	-	-	-	-	-	2	2
	Minot AFB, ND	-	-	-	-	-	-	1	-	-	-	-	1
Region 9	Edwards AFB, CA	-	-	-	-	-	-	-	-	-	-	1	1
	Luke AFB, AZ	-	-	-	-	-	-	-	-	-	-	1	1
	Nellis AFB, NV	-	1	-	-	-	-	2	-	1	-	1	5
	Travis AFB, CA	1	-	1	-	-	-	-	-	4	-	10	16
	Vandenberg AFB, CA	-	-	-	-	-	-	-	-	-	-	1	1
Total		2	1	5	1	1	4	6	2	9	1	47	79

*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 47 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.

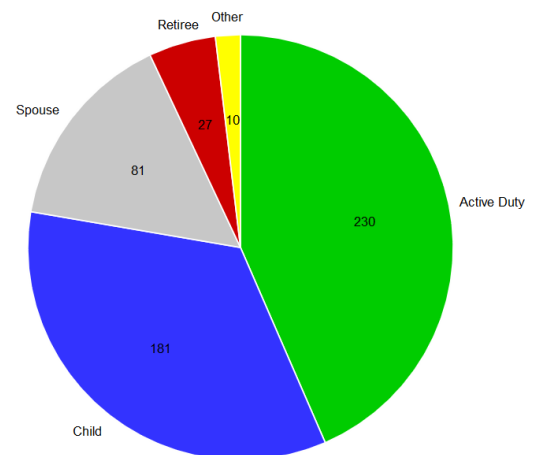
Table 2. ILI by age group for the 2015-2016 surveillance year through Week 47

Age Group	Frequency	Percent
0-5	115	21.74
6-9	31	5.86
10-17	36	6.81
18-24	104	19.66
25-44	188	35.54
45-64	46	8.70
65+	9	1.70

Demographic Summary

Of 529 ILI cases, 230 are service members (43.5%), 181 are children (34.2%), 81 are spouses (15.3%), and 37 (7.0%) are retirees and other beneficiaries. The median age of ILI cases with known age (n=529) is 23 (range 0, 91).

Graph 2. ILI by beneficiary status for the 2015-2016 surveillance year through Week 47



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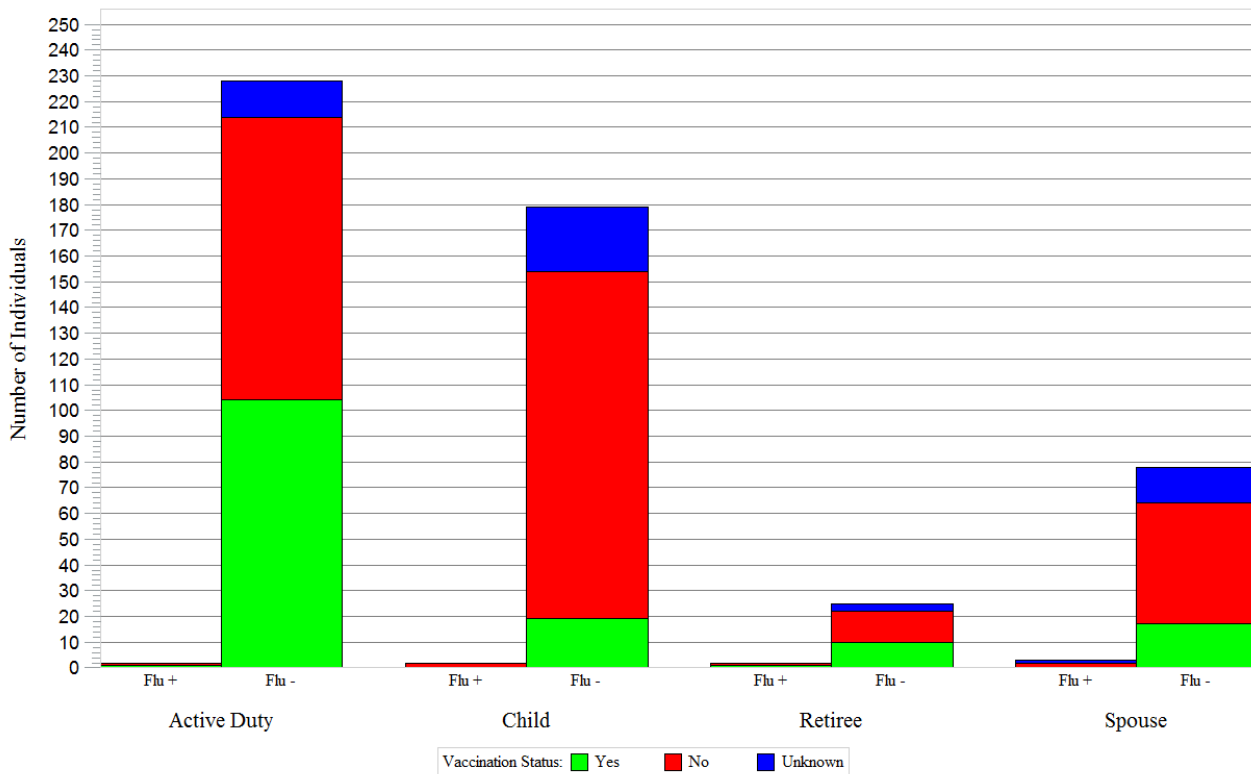
Laboratory Results—Through Current Surveillance Week 47

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	CFA Okinawa, Japan	-	-	-	-	-	-	-	-	-	-	-	1	1
	Eielson AFB, AK	1	-	-	-	-	-	-	-	-	-	-	3	4
	JR Marianas - Andersen AFB, Guam	-	-	-	-	-	-	-	-	-	-	1	-	1
	Kadena AB, Japan	-	-	-	-	-	-	-	-	-	2	-	6	8
	Misawa AB, Japan	-	-	-	-	-	-	-	1	2	-	-	3	6
	Yokota AB, Japan	-	-	-	-	-	-	1	-	1	-	-	5	7
Region 1	Hanscom AFB, MA	-	-	1	-	-	-	-	2	-	-	-	4	7
	NHCNE Newport, RI	-	-	-	-	-	-	-	-	1	-	-	1	2
	USCG Academy, CT	-	-	-	-	-	-	-	-	-	-	-	1	1
Region 2	Ft Drum, NY	-	-	-	-	-	-	-	-	1	-	-	3	4
	JB McGuire-Dix-Lakehurst, NJ	-	-	-	-	-	-	-	-	4	-	-	1	5
	USMA - West Point, NY	-	1	1	-	-	-	1	1	1	-	1	31	37
Region 3	Dover AFB, DE	-	-	-	-	-	-	-	-	-	-	-	3	3
	JB Anacostia-Bolling, DC	-	-	-	-	-	-	-	-	-	-	-	1	1
	JB Andrews, MD	-	-	-	-	-	-	1	-	-	-	-	-	1
	JB Langley-Eustis, VA	-	-	1	-	-	-	-	-	1	1	-	1	4
	NMC Portsmouth, VA	-	-	1	-	-	-	3	1	-	2	1	11	19
Region 4	CGS Mobile, AL	-	-	-	-	-	-	-	-	-	-	-	1	1
	Columbus AFB, MS	-	-	-	-	-	-	-	-	-	-	-	6	6
	Eglin AFB, FL	-	-	1	-	-	-	-	3	-	-	-	5	9
	Ft Bragg, NC	-	-	1	-	-	-	-	-	-	-	-	8	9
	Ft Campbell, KY	-	-	-	-	-	-	-	2	-	3	-	9	14
	Hurlburt Field, FL	-	-	-	-	-	-	-	-	-	1	1	2	2
	Keesler AFB, MS	-	-	-	-	-	1	-	-	1	-	-	9	11
	MacDill AFB, FL	-	-	-	-	-	-	1	-	-	-	-	1	2
	Maxwell AFB, AL	-	-	-	-	-	-	1	1	-	-	-	8	10
	Moody AFB, GA	-	-	2	-	1	-	-	2	1	3	1	7	17
	NH Jacksonville, FL	-	-	2	-	-	-	-	1	-	-	-	1	4
	Robins AFB, GA	-	-	-	-	-	-	1	1	-	-	-	3	5
	Seymour Johnson AFB, NC	-	-	1	-	-	-	-	-	-	-	-	1	1
	Shaw AFB, SC	-	-	-	-	-	2	-	-	2	-	-	2	6
	Tyndall AFB, FL	-	-	-	-	1	-	-	-	-	1	1	3	3
	Scott AFB, IL	-	-	1	-	-	-	-	1	-	-	-	7	9
	Wright-Patterson AFB, OH	-	-	1	-	-	-	-	-	1	-	-	1	3
Region 6	Altus AFB, OK	-	-	-	-	-	-	-	2	-	-	-	13	15
	Barksdale AFB, LA	-	-	-	-	-	-	-	-	-	-	-	1	1
	Cannon AFB, NM	-	-	1	-	-	-	-	-	1	-	-	9	11
	Laughlin AFB, TX	-	-	-	-	1	-	-	-	-	-	-	1	2
	Little Rock AFB, AR	-	-	-	-	1	-	-	-	-	-	-	1	2
	Sheppard AFB, TX	-	-	1	-	-	1	1	1	-	4	-	24	32
	Tinker AFB, OK	-	-	-	-	-	1	3	-	2	4	10	20	20
	Vance AFB, OK	-	-	-	-	-	-	1	-	-	-	-	18	19
Region 7	Ft Leavenworth, KS	-	1	-	-	-	-	-	-	1	-	-	7	9
	McConnell AFB, KS	1	-	-	-	-	-	2	1	-	2	1	10	17
	Offutt AFB, NE	-	-	1	-	-	-	-	-	-	-	-	16	17
Region 8	Ellsworth AFB, SD	-	-	1	-	-	-	1	-	-	-	-	12	14
	FE Warren AFB, WY	-	-	-	1	-	-	-	-	2	-	-	6	9
	Hill AFB, UT	-	-	1	-	-	-	1	-	-	1	-	15	18
	Malmstrom AFB, MT	-	-	-	-	-	-	-	-	1	-	-	1	1
	Minot AFB, ND	-	-	-	-	-	-	1	-	-	-	-	1	1
	Peterson AFB, CO	-	-	1	-	-	-	-	-	-	-	-	2	3
	USAF Academy, CO	-	-	-	-	-	-	3	-	1	-	-	9	13
	Davis-Monthan AFB, AZ	-	-	-	-	-	-	-	-	-	-	-	2	2
Region 9	Edwards AFB, CA	-	-	-	-	-	-	-	-	-	-	-	3	3
	Luke AFB, AZ	-	-	-	-	-	-	-	-	-	-	-	2	2
	Nellis AFB, NV	2	1	5	-	-	-	-	4	1	4	1	8	26
	Travis AFB, CA	1	-	1	-	-	-	-	1	-	4	2	15	24
	USCG Island Alameda, CA	-	-	-	-	-	-	-	-	-	-	-	2	2
	Vandenberg AFB, CA	-	-	-	-	-	-	-	-	-	-	-	3	3
	Mt Home AFB, ID	-	-	-	-	-	-	-	-	-	-	-	3	3
Region 10	NH Bremerton, WA	1	-	1	-	1	-	-	9	-	6	2	17	37
		6	3	26	1	5	1	16	41	8	52	16	354	529

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

Graph 3. Vaccination status by beneficiary type for the 2015-2016 surveillance year through Week 47



Errata:

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

For Public Health Services
937-938-3196; DSN 798-3196

For Laboratory Services
937-938-3163; DSN 798-3163

E-mail
USAFSAM.PHRFlu@us.af.mil

