

DoD Global, Laboratory-Based, Influenza Surveillance Program



USAF School of Aerospace Medicine

2014 - 2015

Cumulative Results

Locations	87
Collected	5,489
Tested	5,369

Influenza A 1,782

A(H1N1)pdm09	2
A(H3N2)	1,774
A & B	1
A & Coronavirus	1
A & Parainfluenza	1
A(H3N2) & B/Victoria & Adenovirus & Rhino/Enterovirus	1
A(H3N2) & Coronavirus	1
A(H3N2) & Rhino/Enterovirus	1

Influenza B 231

B/Unknown or pending lineage	192
B & Rhino/Enterovirus	1
B/Victoria	12
B/Yamagata	26

Other Respiratory Pathogens 901

Adenovirus	95
<i>Bordetella pertussis</i>	0
<i>Chlamydomphila pneumoniae</i>	2
Coronavirus	78
Human Metapneumovirus	45
<i>Mycoplasma pneumoniae</i>	30
Parainfluenza	134
RSV	201
Rhino/Enterovirus	222
Non-influenza Co-infections	94

Lab data are current as of 2 March 2015. Results are preliminary and may change as more results are received.



Respiratory Highlight

22 March - 4 April 2015 (Surveillance Weeks 12 & 13)

- During 22 March - 4 April 2015, a total of 123 specimens were collected and received from 37 locations. Results were finalized for 65 specimens from 27 locations. During Week 12, the laboratory identified eight influenza A(H3N2) and 15 influenza B. During Week 13, two influenza A(H3N2) and six influenza B were identified.
- For Week 13, approximately 23% of specimens tested positive for influenza (17 % influenza B, 6% influenza A). Overall, we are continuing to see a downward trend in influenza activity.
- The proportion of people seeing their health care provider for influenza-like illness (ILI) has decreased from 2.2% to 2.0%, which is at the national baseline. However, five out of 10 U.S. regions continue to experience flu-like illness above their regional baseline. Influenza B viruses now account for 80% of all influenza viruses reported. While flu activity persists in parts of the country, the 2014-2015 flu season is winding down ([CDC FluView](#) 3 April 2015 report, cited 7 April 2015).

Table 1. Results by region and location for specimens collected and finalized during Weeks 12 & 13

Region*		A(H3N2)	B	Adenovirus	hMNV	Parainfluenza	RSV	No Pathogen	Total
Region 1	NHCNE Newport, RI	1	2	-	-	-	-	1	4
	USCG Academy, CT	-	-	1	-	-	-	-	1
Region 2	Ft Drum, NY	5	4	-	-	-	-	3	12
	JB McGuire-Dix-Lakehurst, NJ	-	1	-	-	-	-	-	1
	USMA - West Point, NY	1	1	-	-	1	-	1	4
Region 3	Dover AFB, DE	-	1	-	-	-	-	-	1
Region 4	Eglin AFB, FL	-	1	-	-	-	-	-	1
	Moody AFB, GA	-	-	1	-	-	-	3	4
	NH Beaufort, SC	-	-	-	-	-	-	1	1
	Robins AFB, GA	-	1	-	-	-	-	-	1
	Seymour Johnson AFB, NC	-	-	-	-	-	-	2	2
Region 5	Scott AFB, IL	-	3	-	-	-	-	-	3
	Wright-Patterson AFB, OH	-	-	-	1	-	-	-	1
Region 6	Altus AFB, OK	-	-	-	-	1	1	1	3
	Sheppard AFB, TX	-	2	-	-	-	-	-	2
	Tinker AFB, OK	-	-	-	-	1	-	1	2
Region 7	Offutt AFB, NE	-	2	-	-	-	-	-	2
Region 8	Ellsworth AFB, SD	-	1	-	-	-	-	2	3
	FE Warren AFB, WY	-	1	-	-	-	-	-	1
	Hill AFB, UT	-	-	-	-	-	1	-	1
	Minot AFB, ND	-	-	-	-	1	1	1	3
	Peterson AFB, CO	-	1	-	-	-	-	1	2
	USAF Academy, CO	1	-	-	-	-	-	-	1
Region 9	Edwards AFB, CA	1	-	-	-	-	-	-	1
	Travis AFB, CA	1	-	-	-	-	-	-	1
	Vandenberg AFB, CA	-	-	-	-	-	-	1	1
Region 10	NH Bremerton, WA	-	-	1	-	1	-	4	6
Total		10	21	3	1	5	3	22	65

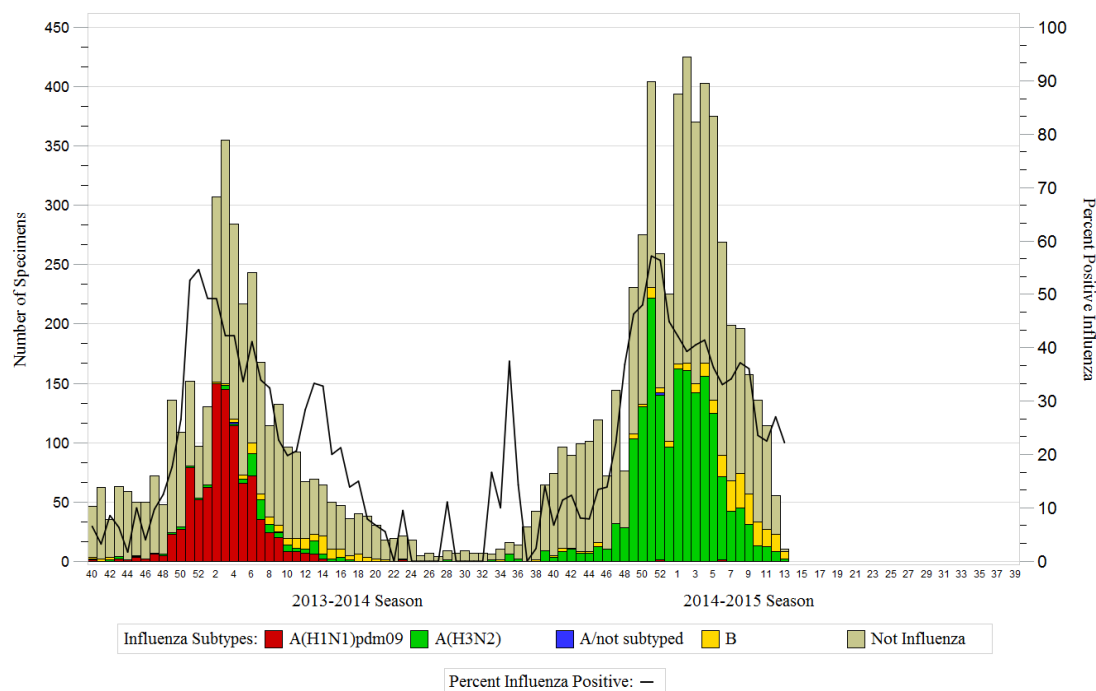
*US Regions are based on Health & Human Services regions. Other locations are defined by COCOM.

Distribution Statement A: Distribution is unlimited. 88ABW-2015-1882, 13 April 2015.

Email: USAFSAM.PHRFlu@us.af.mil, <https://gumbo2.area52.afnoapps.usaf.mil/epi-consult/influenza>

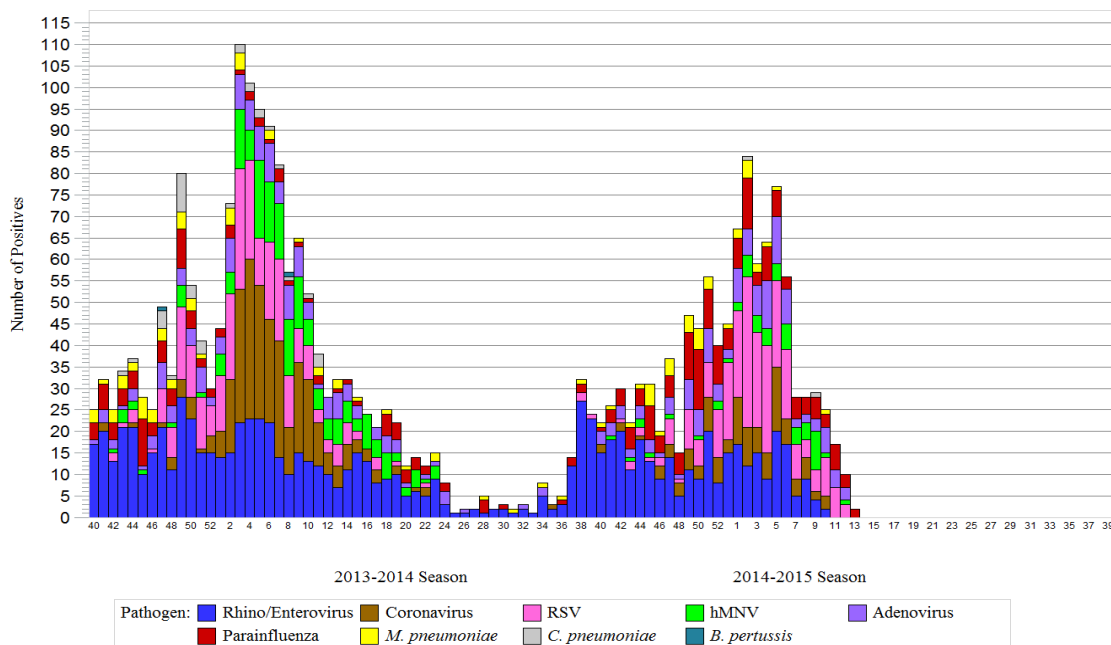
Laboratory Results - Cumulative for Season

Graph 1. Percent influenza positive by week: 2013-2014 surveillance year and through Week 13 of the 2014-2015 surveillance year



Note: One specimen positive for influenza A(H3N2)v has been excluded from the graph during the 2013-2014 season. Additionally, 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. Other respiratory pathogen results by week: 2013-2014 surveillance year and through Week 13 of the 2014-2015 surveillance year



Note: Due to change in protocol between the surveillance years 2013-2014 and 2014-2015, a direct comparison between the years cannot be made.

Distribution Statement A: Distribution is unlimited. 88ABW-2015-1882, 13 April 2015.

Email: USAFSAM.PHRFlu@us.af.mil, <https://gumbo2.area52.afnoapps.usaf.mil/epi-consult/influenza>

Graph 3. Vaccination status by beneficiary type for the 2014-2015 surveillance year through Week 13

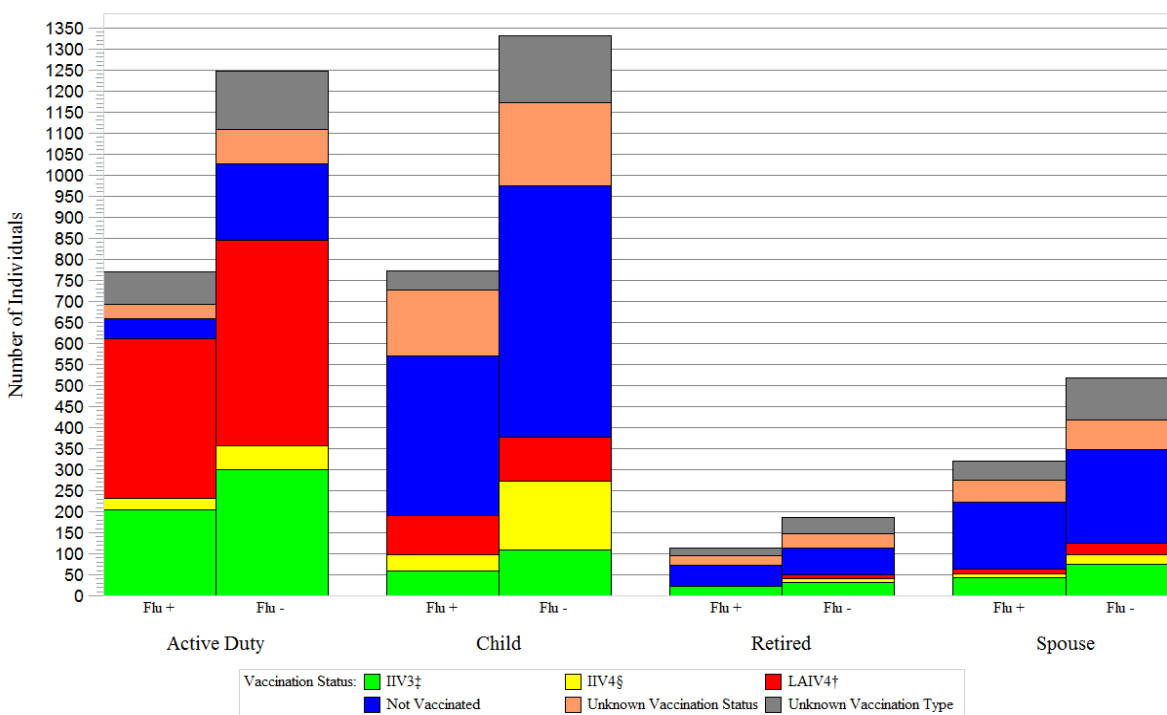


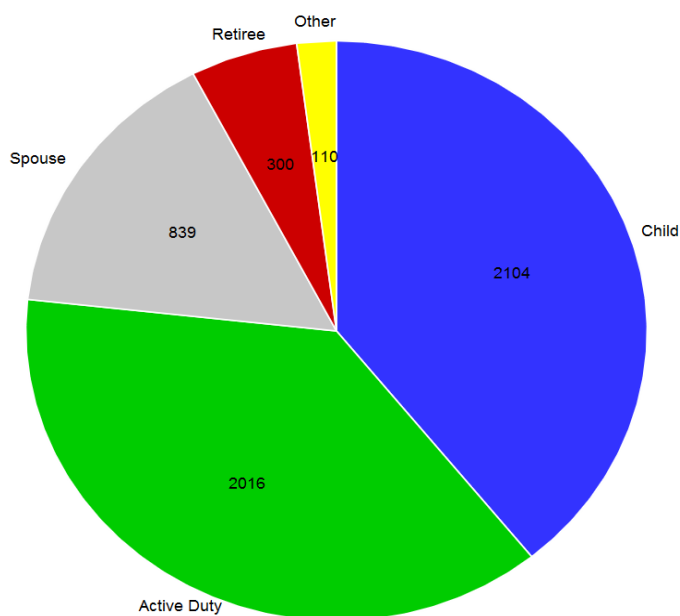
Table 2. ILI by age group for the 2014-2015 surveillance year through Week 13

Age Group	Frequency	Percent
0-5	1162	21.64
6-9	416	7.75
10-17	528	9.83
18-24	761	14.17
25-44	1796	33.45
45-64	543	10.11
65+	152	2.83
Unknown	11	0.2

Demographic Summary

Of 5,369 ILI cases, 2,016 are service members (37.6%), 2,104 are children (39.2%), 839 (15.6%) are spouses, and 410 (7.6%) are retirees & other beneficiaries. The median age of ILI cases with known age (n=5,358) is 23 (range 0, 94) and 2,106 (39.2%) of these specimens are from ILI cases less than 18 years of age.

Graph 4. ILI by beneficiary status for the 2014-2015 surveillance year through Week 13



Laboratory Results—Through Current Surveillance Week 13

Table 3. Cumulative results by region and location for specimens collected during the 2014-2015 surveillance year

		A(H1N1)pdm09	A(H3N2)	A/not subtyped & Corona	A/not subtyped & Para	A(H3N2) & B/Victoria & Adeno & Rhino/Entero	A(H3N2) & Corona	A(H3N2) & Rhino/Entero	Influenza A & B	B	B/Victoria	B/Yamagata	B & Rhino/Entero	Adenovirus	C. pneumoniae	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Co-Infection	No Pathogen	Total	
Region*																									
Deployed	Country 1, Location B	-	26	-	-	-	-	-	-	1	-	-	-	-	-	-	4	2	-	-	-	12	3	46	94
	Country 2, Location A	1	48	-	-	-	-	1	-	5	-	3	-	-	-	-	-	-	-	-	5	-	25	88	
PACOM	CFA Okinawa, Japan	-	4	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-	20	28	
	Camp Zama, Japan	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	
	Eielson AFB, AK	-	6	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	1	-	8	18	
	JB Elmendorf-Richardson, AK	-	7	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	5	14	
	JR Marianas - Andersen AFB, Guam	-	11	-	-	-	-	-	-	1	-	4	-	4	-	-	3	-	1	3	5	1	25	58	
	JR Marianas - NH Guam, Guam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
	Kadena AB, Japan	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	6	12	
	Kunsan AB, South Korea	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	12	
	Misawa AB, Japan	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	8	20	
	Osan AB, South Korea	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	22	
	Tripler AMC, HI	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	
	Yokota AB, Japan	-	80	-	-	-	-	-	-	-	1	-	1	-	2	-	2	4	-	1	-	4	1	21	117
Region 1	Hanscom AFB, MA	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	25	53	
	NHCNE Newport, RI	-	16	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	2	1	2	19	43	
	USCG Academy, CT	-	9	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	2	1	11	26	
Region 2	Ft Drum, NY	-	63	-	-	-	-	-	-	18	-	2	-	4	-	4	1	1	4	9	12	7	62	187	
	JB McGuire-Dix-Lakehurst, NJ	-	32	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	2	3	1	25	65		
	USMA - West Point, NY	-	93	-	-	-	-	-	-	8	-	-	-	5	-	8	2	4	6	12	6	4	143	291	
Region 3	CG Base Portsmouth, VA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
	Dover AFB, DE	-	21	1	-	-	-	-	-	1	-	-	-	-	-	-	1	1	1	-	-	-	14	40	
	JB Anacostia-Bolling, DC	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	
	JB Andrews, MD	-	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	-	4	12	
	JB Langley-Eustis, VA	-	7	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	11	21	
	NCRM - Ft Belvoir CH, VA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	4	1	4	11	
	NCRM - Walter Reed NMMC, MD	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	3	
	NMC Portsmouth, VA	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	3	
Region 4	CGS Mobile, AL	-	11	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	4	18	
	Columbus AFB, MS	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	26	
	Eglin AFB, FL	-	14	-	-	-	-	-	-	4	-	1	-	2	-	-	-	1	2	6	1	3	42	76	
	Ft Bragg, NC	-	30	-	-	-	-	-	-	-	-	-	-	2	-	3	2	-	2	7	3	2	36	87	
	Ft Campbell, KY	-	30	-	-	-	-	-	-	1	1	-	-	5	-	1	1	-	4	2	6	3	37	91	
	Hurlburt Field, FL	-	22	-	-	-	-	-	-	1	-	-	-	2	-	-	-	1	-	4	7	2	36	75	
	JB Charleston (AF), SC	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	14	
	JB Charleston (Navy), SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	2	5	
	Keesler AFB, MS	-	6	-	-	-	-	-	-	1	1	-	-	3	-	-	-	-	1	2	1	2	21	38	
	MacDill AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	
	Maxwell AFB, AL	-	31	-	-	-	-	-	-	12	-	3	-	2	-	2	1	-	1	1	5	-	76	134	
	Moody AFB, GA	-	92	-	-	-	-	-	-	6	2	2	-	12	-	7	3	1	9	5	17	6	86	248	
	NH Beaufort, SC	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	2	1	14	20	
	NH Camp Lejeune, NC	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	9	74	
	NH Jacksonville, FL	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	4	1	-	8	
	Patrick AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	
	Robins AFB, GA	-	35	-	-	-	-	-	-	4	-	1	-	1	-	3	1	-	-	-	-	-	40	85	
	Seymour Johnson AFB, NC	-	15	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	3	4	-	13	37	
	Shaw AFB, SC	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	9	17	
	Tyndall AFB, FL	-	14	-	-	-	-	-	-	-	-	3	-	3	-	1	1	1	-	2	-	1	15	40	
	USCG Base Elizabeth City, NC	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	

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

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Laboratory Results—Through Current Surveillance Week 13

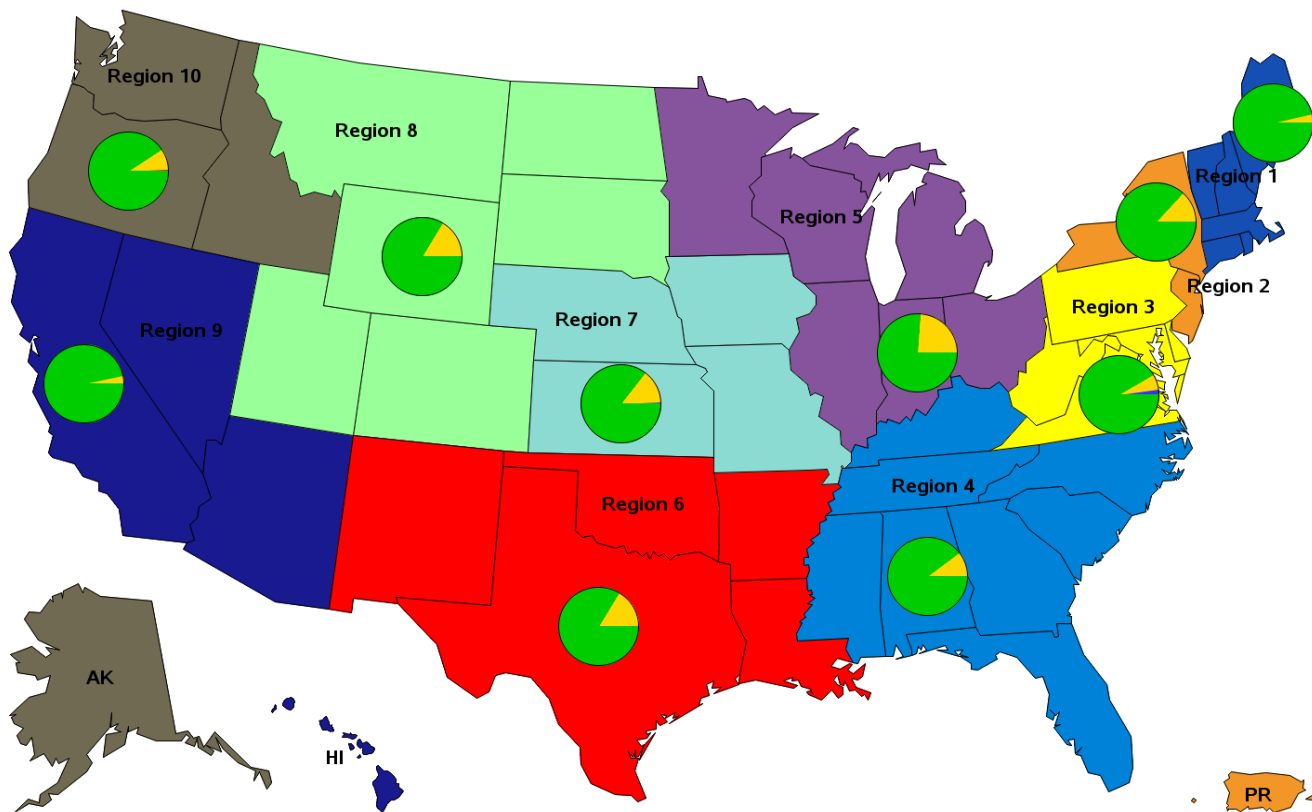
Table 3. Cumulative results by region and location for specimens collected during the 2014-2015 surveillance year (Continued from Page 4)

Region*		A(H1N1)pdm09	A(H3N2)	A/not subtyped & Corona	A/not subtyped & Para	A(H3N2) & B/Victoria & Adeno & Rhino/Entero	A(H3N2) & Corona	A(H3N2) & Rhino/Entero	Influenza A & B	B	B/Victoria	B/Yamagata	B & Rhino/Entero	Adenovirus	C. pneumoniae	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Co-Infection	No Pathogen	Total
Region 5	Scott AFB, IL	-	23	-	-	-	-	-	-	11	-	-	-	2	-	1	1	-	2	2	2	-	29	73
	Wright-Patterson AFB, OH	-	12	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	4	7	-	32	60
Region 6	Altus AFB, OK	-	16	-	-	-	-	-	-	6	-	-	1	2	-	1	-	-	3	7	3	2	107	148
	Barksdale AFB, LA	-	10	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	10	23
	Cannon AFB, NM	-	4	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	7	14
	Ft Hood, TX	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Holloman AFB, NM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Laughlin AFB, TX	-	9	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	-	2	3	2	14	34
	Little Rock AFB, AR	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	32	51
	SAMMC, TX	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Sheppard AFB, TX	-	69	-	-	-	-	-	-	7	1	-	-	3	-	6	1	1	3	5	4	7	91	198
	Tinker AFB, OK	-	123	-	-	1	-	-	-	28	4	1	-	2	1	5	6	1	8	21	10	6	182	399
	USCG New Orleans, LA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Vance AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	3
	Region 7	Ft Leavenworth, KS	-	5	-	-	-	-	-	-	-	-	-	-	2	-	1	1	-	-	1	1	-	13
McConnell AFB, KS		-	38	-	1	-	-	1	4	-	-	-	-	-	-	3	-	-	-	-	4	-	26	77
Offutt AFB, NE		-	67	-	-	-	-	-	13	-	1	-	3	-	4	-	2	8	1	10	1	130	240	
Region 8	Buckley AFB, CO	-	2	-	-	-	-	-	3	-	-	-	-	-	-	1	-	-	-	1	1	-	9	17
	Ellsworth AFB, SD	-	30	-	-	-	-	-	14	1	2	-	2	-	5	-	3	7	1	3	2	33	103	
	FE Warren AFB, WY	-	35	-	-	-	-	-	9	1	-	-	2	-	-	-	-	13	3	3	2	32	100	
	Hill AFB, UT	-	34	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	3	5	6	1	30	82
	Malmstrom AFB, MT	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	2	10	
	Minot AFB, ND	-	19	-	-	-	-	-	1	-	-	-	2	-	2	1	3	5	11	3	3	31	81	
	Peterson AFB, CO	-	50	-	-	-	-	-	4	-	-	-	-	-	-	-	1	3	3	3	1	37	102	
	USAF Academy, CO	-	26	-	-	-	-	-	3	-	-	-	-	-	-	-	1	1	-	1	-	26	58	
	Beale AFB, CA	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Region 9	Davis-Monthan AFB, AZ	-	25	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	1	1	1	43	75	
	Edwards AFB, CA	-	8	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-	11	22	
	Los Angeles AFB, CA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	Luke AFB, AZ	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	14	28	
	Nellis AFB, NV	-	19	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	2	2	-	21	47	
	Travis AFB, CA	-	56	-	-	-	-	-	1	-	-	-	1	-	2	-	2	11	17	12	3	187	292	
	USCG Island Alameda, CA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	8	
	Vandenberg AFB, CA	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	18	
	CGS North Bend, OR	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	
Region 10	Fairchild AFB, WA	-	22	-	-	-	-	-	1	-	-	-	1	-	1	2	-	1	7	1	1	11	48	
	Mt Home AFB, ID	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	7	21	
	NH Bremerton, WA	1	87	-	-	-	-	-	10	-	-	-	13	1	3	6	2	20	37	21	14	309	524	
	Total	2	1774	1	1	1	1	1	1	192	12	26	1	95	2	78	45	30	134	201	222	94	2455	5369

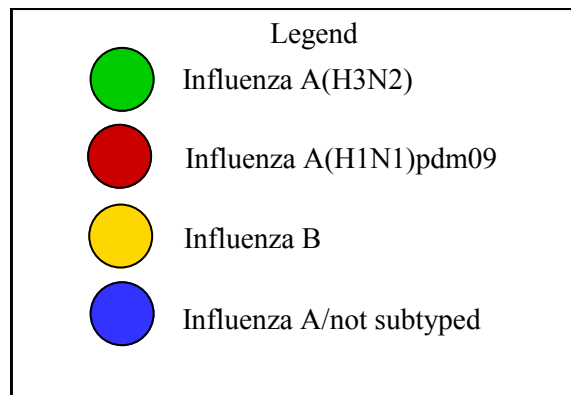
*US Regions are based on Health & Human Services regions. Other locations are defined by COCOM.

DoD Global, Laboratory-Based, Influenza Surveillance Program

Map 1. Percentage of influenza positives by region for the 2014-2015 surveillance year through Week 13

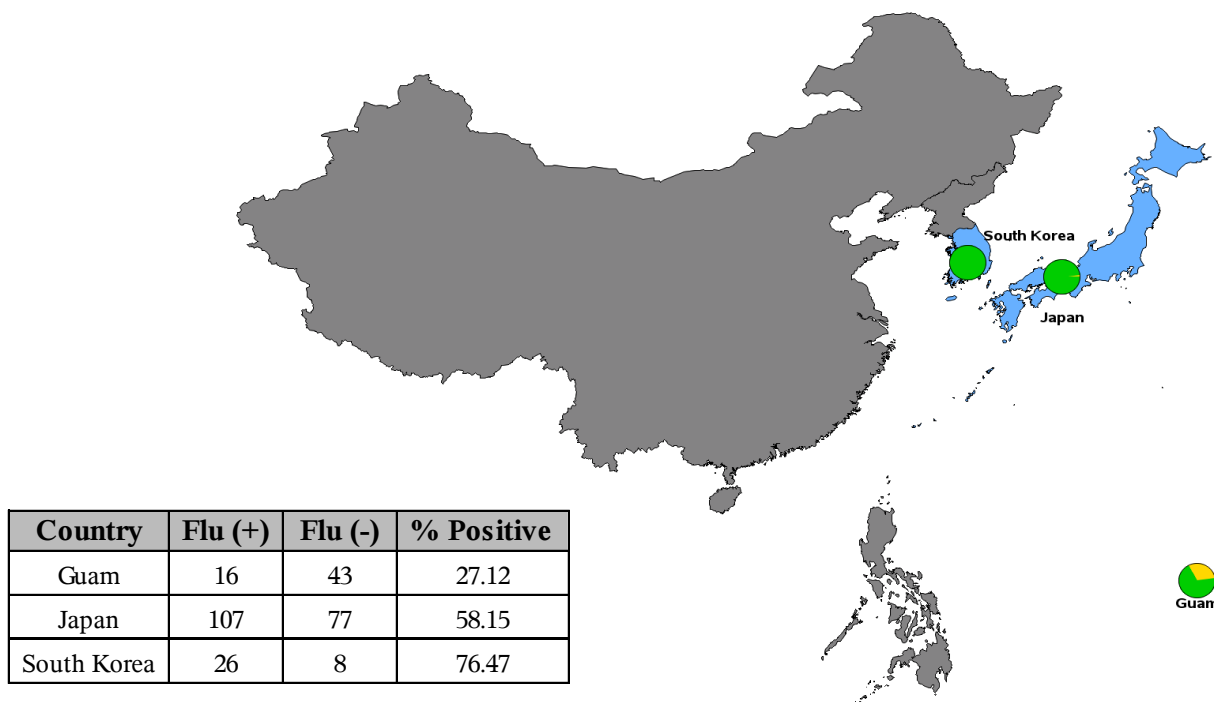


Region	Flu (+)	Flu (-)	% Positive
Region 1	51	72	41.46
Region 2	218	333	39.56
Region 3	46	54	46
Region 4	439	678	39.3
Region 5	46	93	33.09
Region 6	306	582	34.46
Region 7	129	213	37.72
Region 8	239	321	42.68
Region 9	155	362	29.98
Region 10	148	489	23.23

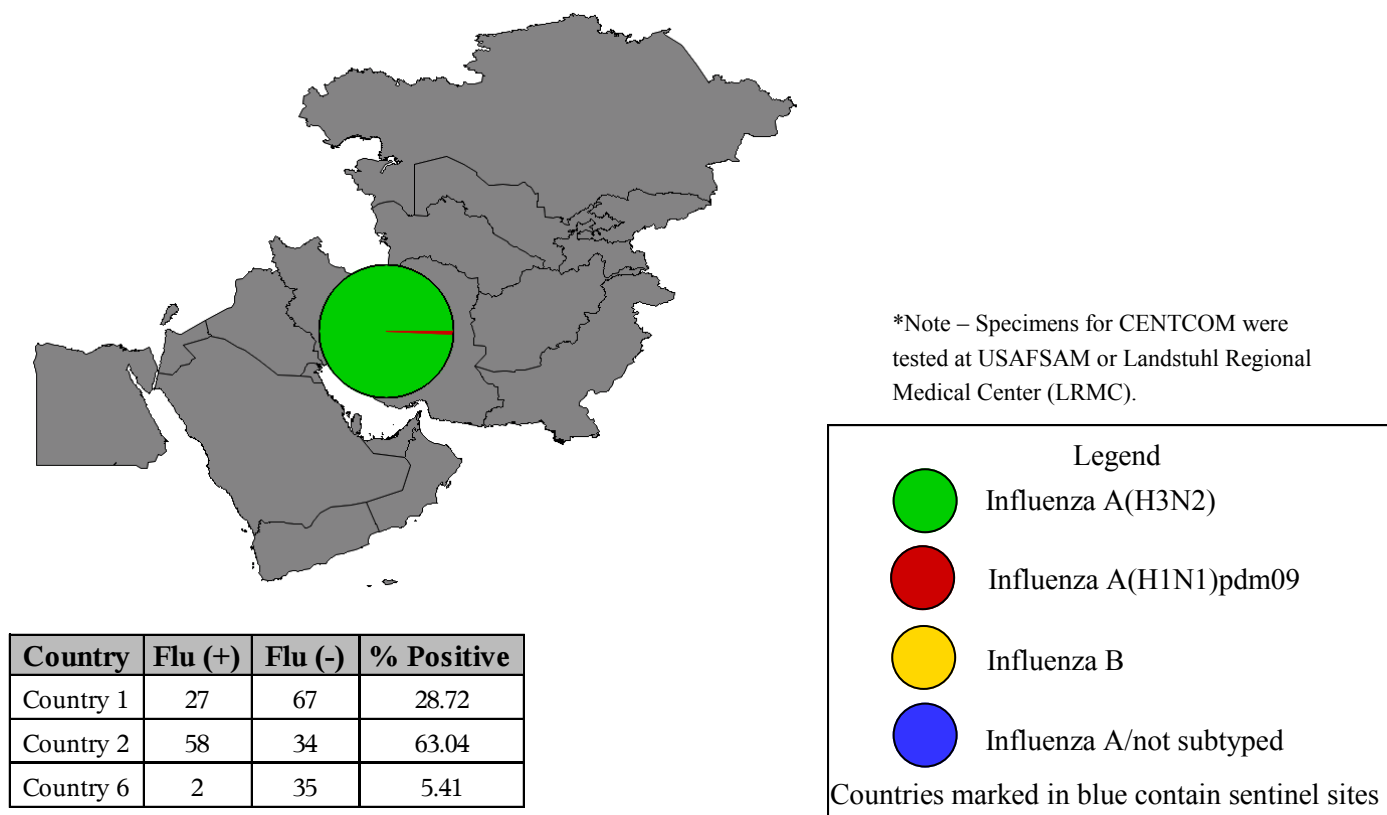


DoD Global, Laboratory-Based, Influenza Surveillance Program

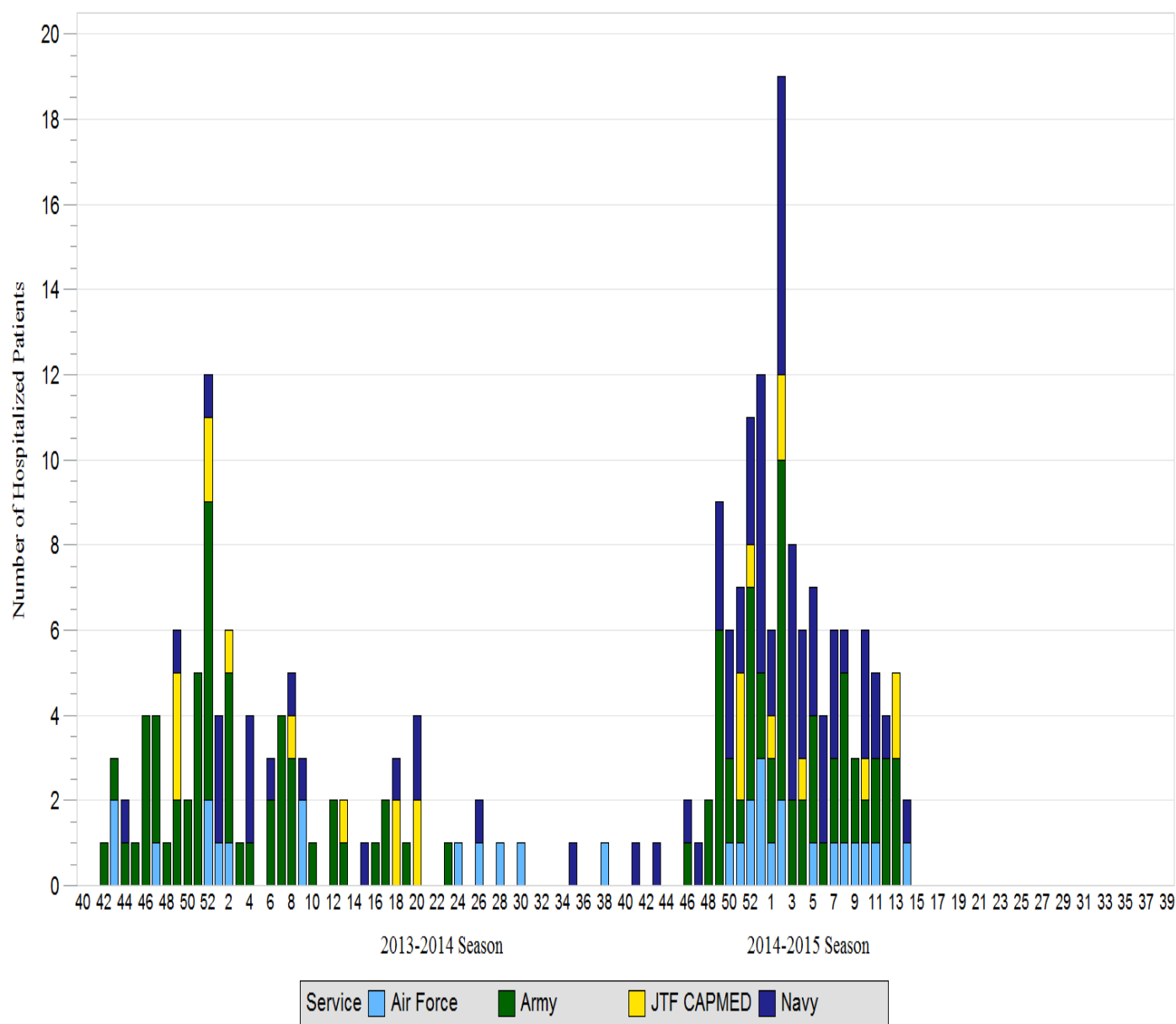
Map 2. Percentage of influenza positives by country for the 2014-2015 surveillance year through Week 13 (Pacific)



Map 3. Percentage of influenza positives by country for the 2014-2015 surveillance year through Week 13 (CENTCOM)



Graph 8. DoD Inpatient Influenza* Cases by Service: 2013-2014 and 2014-2015 Season



Laboratory Data: Courtesy of Navy & Marine Corps Public Health Center/EpiData Center Department

*Patient admitted to a Military Treatment Facility with a positive influenza laboratory test (including rapid tests).

EUCOM Respiratory Surveillance Supplemental Report Through 4 April 2015

In cooperation and agreement with U.S. Army Public Health Command Region-Europe (PHCR-E), the DoD Global, Laboratory-based, Influenza Surveillance Program has analyzed data from surveillance sites that submit specimens to Landstuhl Regional Medical Center (LRMC), Germany. LRMC's laboratory is the forward laboratory for military sites in Europe.

Results are presented through 4 April 2015 unless otherwise indicated. Lab results are preliminary and may change as more results are received.

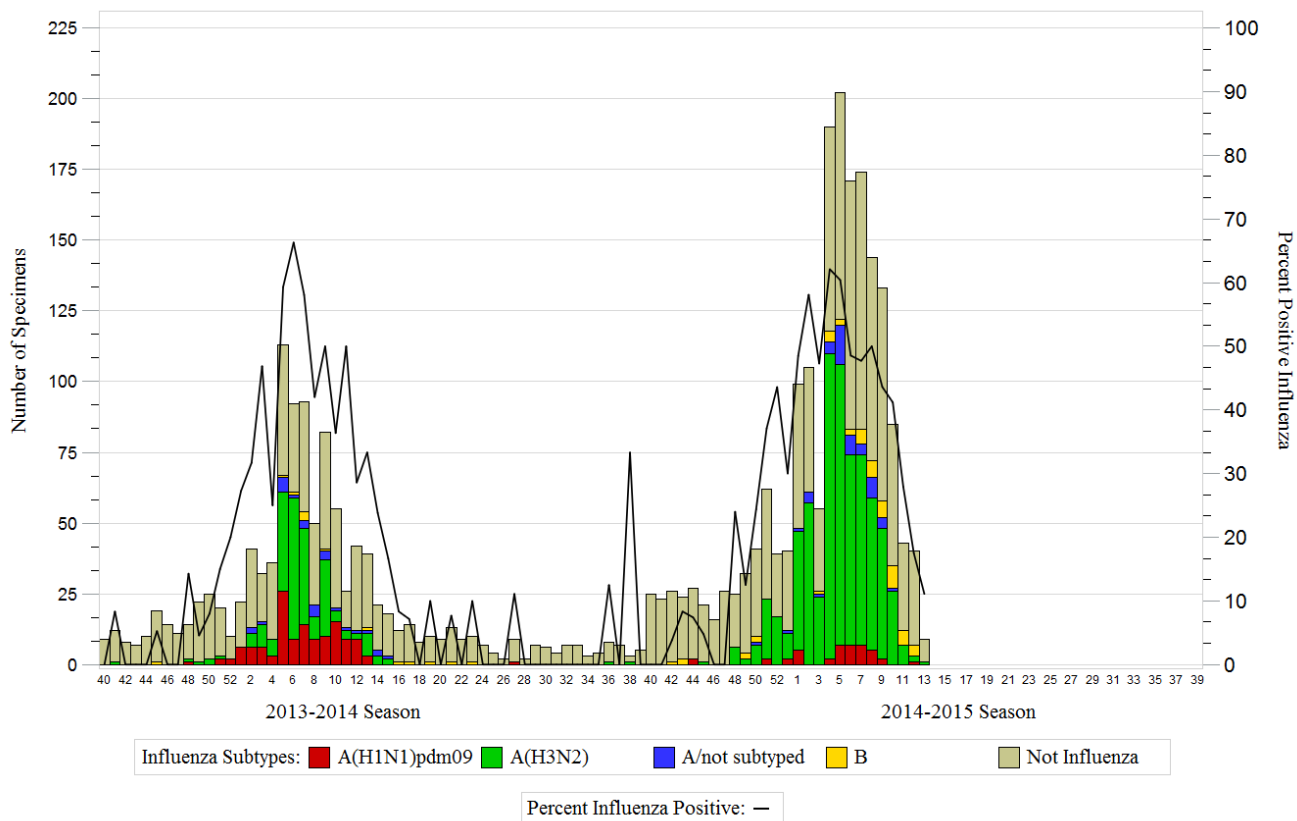
Table 4. Results by region and location for specimens collected and finalized during Week 12 & 13

Region		A(H1N1)pdm09	A(H3N2)	A(H3N2) & B	B	hMVN	RSV	Rhinovirus/Enterovirus	RSV & Rhino/Entero	No Pathogen	Total
EUCOM	Landstuhl RMC, Germany	1	1	-	-	-	-	2	-	12	16
	RAF Lakenheath, England	-	1	-	1	-	-	-	-	3	5
	Ramstein AB, Germany	-	1	-	-	2	-	-	-	2	5
	Spangdahlem AB, Germany	-	-	-	-	1	-	-	-	2	3
	USAG Grafenwoehr, Germany	-	-	-	3	1	-	1	-	6	11
	USAG Stuttgart, Germany	-	-	1	-	-	1	2	-	1	5
	USAG Vicenza, Italy	-	-	-	-	-	-	-	-	1	1
	Vilseck AHC, Germany	-	-	-	-	-	-	-	1	3	4
	Total	1	3	1	4	4	1	5	1	30	50

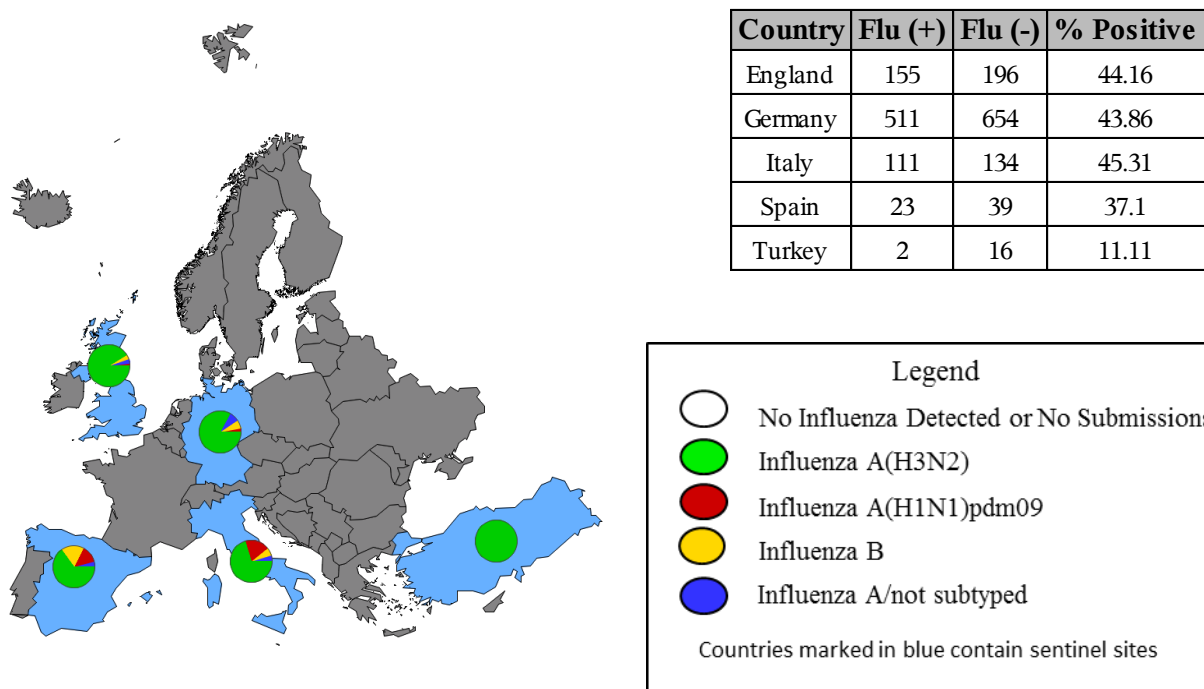
Table 5. Cumulative results by region and location for specimens collected during the 2014-2015 surveillance year

Region		A(H1N1)pdm09 A(H3N2) A/not subtyped A/not subtyped & RSV A/not subtyped & Rhino/Entero A(H1N1)pdm09 & hMVN A(H1N1)pdm09 & RSV A(H3N2) & B A(H3N2) & hMVN A(H3N2) & hMVN & Rhino/Entero A(H3N2) & Para A(H3N2) & RSV A(H3N2) & RSV & Rhino/Entero A(H3N2) & Rhino/Entero Influenza A & B B B & RSV B & Rhino/Entero Adenovirus hMVN Parainfluenza RSV Rhinovirus/Enterovirus Adeno & RSV Adeno & Rhino/Entero hMVN & RSV hMVN & Rhino/Entero Para & RSV Para & Rhino/Entero RSV & Rhino/Entero No Pathogen Total																																
Deployed	Country 6, Location A	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	36		
EUCOM	Aviano AB, Italy	4	12	2	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	6	-	-	-	-	-	-	14	35	
	Incirlik AB, Turkey	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	-	3	2	3	-	1	-	-	-	-	-	6	18	
	Landstuhl RMC, Germany	5	108	11	-	1	1	-	-	-	-	-	2	-	-	2	9	-	-	1	4	7	44	37	2	5	2	-	1	1	8	141	392	
	NAS Sigonella, Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	
	NAVSTA Rota, Spain	3	15	-	1	-	-	-	-	-	-	-	-	-	-	-	3	-	1	1	2	-	2	4	-	-	-	-	-	-	-	1	29	62
	NSA Naples, Italy	10	10	1	-	-	-	1	-	-	-	-	-	-	-	-	3	-	1	-	-	-	8	9	-	-	-	-	-	-	-	1	24	68
	RAF Lakenheath, England	3	129	3	-	2	-	-	-	-	-	1	3	-	9	-	4	1	-	1	4	6	12	36	-	-	-	1	1	3	9	123	351	
	Ramstein AB, Germany	1	59	1	-	1	-	-	-	-	-	-	-	-	2	-	2	-	1	-	2	2	17	18	-	1	-	-	-	2	1	24	134	
	Spangdahlem AB, Germany	1	21	1	1	-	-	-	-	-	1	-	1	-	2	-	1	-	-	1	4	5	11	5	-	-	-	-	-	-	-	3	33	91
	USAG Grafenwoehr, Germany	4	59	10	-	-	-	-	-	-	-	-	-	-	2	-	6	-	-	1	1	1	5	7	-	-	-	-	-	-	-	1	62	159
	USAG Stuttgart, Germany	1	60	7	-	-	-	-	1	-	-	-	1	-	2	-	7	-	-	-	2	6	8	12	-	-	-	-	-	-	-	1	71	179
	USAG Vicenza, Italy	6	51	2	-	-	-	-	-	1	-	-	-	-	4	-	-	-	1	-	2	1	-	20	-	-	-	-	-	-	-	-	53	141
Vilseck AHC, Germany	1	95	4	-	1	-	1	-	-	-	-	4	2	3	-	6	-	2	2	-	1	18	24	-	2	-	1	-	-	3	43	213		
Total		39	621	42	2	5	1	2	2	1	1	1	12	2	25	2	43	1	6	8	21	32	127	182	2	9	2	2	2	6	28	652	1881	

Graph 7. Percent influenza positive by week: 2013-2014 surveillance year and through Week 13 of the 2014-2015 surveillance year



Map 4. Percentage of influenza positive by country for the 2014-15 surveillance year through Week 13 (Europe)



DoD Global Laboratory-Based Influenza Surveillance Program



USAF School of Aerospace Medicine

2014 - 2015

Respiratory Surveillance
2014-2015 Year
(beginning 28 September 2014)



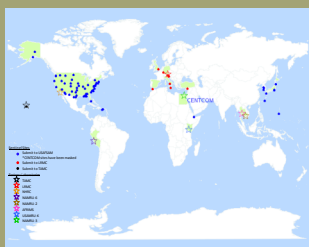
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Contributions to the CDC for National Influenza Surveillance

All sequence data are sent to the CDC and selected original specimens or isolates are sent for further characterization and possible use as influenza vaccine seed viruses. Specimens may also undergo antiviral testing.

[DoD Global Influenza Surveillance Program](https://gumbo2.area52.afnoapps.usaf.mil/epi-consult/influenza)

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gumbo2.area52.afnoapps.usaf.mil/epi-consult/influenza

Background

The DoD-wide program was established by the Global Emerging Infections Surveillance and Response System (GEIS) in 1997. The surveillance network includes the U.S. Air Force School of Aerospace Medicine (USAFSAM) (sentinel site respiratory surveillance), the Naval Health Research Center (recruit and shipboard population-based respiratory surveillance), the Naval Medical Research Unit (NAMRU-3) in Cairo, Egypt, the Naval Medical Research Unit (NAMRU-2) in Phnom Penh, Cambodia, the Armed Forces Research Institute of Medical Sciences (AFRIMS) in Bangkok, Thailand, the Naval Medical Research Unit-6 (NAMRU-6) in Lima, Peru, and the United States Army Medical Research Unit-Kenya (USAMRU-K) located in Nairobi, Kenya. This work is supported by the Air Force and the Division of Global Emerging Infections Surveillance and Response System (GEIS) Operations, a Division of the Armed Forces Health Surveillance Center (AFHSC).

Sentinel Site Surveillance at USAFSAM

In 1976, the U.S. Air Force Medical Service began conducting routine, global, laboratory-based influenza surveillance. Air Force efforts expanded to DoD-wide in 1997. USAFSAM manages the surveillance program that includes global surveillance among DoD beneficiaries at over 80 sentinel sites (including deployed locations) and many non-sentinel sites (please see map on the left). Unique sentinel sites include three DoD overseas medical research laboratories (AFRIMS, NAMRU-6, USAMRU-K) and the US Army Public Health Command Region South (PHCR-S). These sites collect specimens from local residents in surrounding countries that may not otherwise be covered in existing surveillance efforts.

Since the 2006-2007 season, Landstuhl Regional Medical Center (LRMC) has served EUCOM as a USAFSAM contributing laboratory. The initiative seeks to provide more timely results and efficient transport of specimens.

For an expanded view of this report, visit our website. Also available on the website is a list of previous weekly surveillance reports, program information (including an educational briefing and instruction pamphlets for clinic staff), and an overview of historical data. Please visit the AFHSC/GEIS website for an overview of influenza surveillance at all collaborating organizations.

Errata:

Collaborating Partners

In addition to all participating DoD military sentinel sites, several collaborating partners (described above) may be further understood by reviewing the partner's website.



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