

DoD Global, Laboratory-Based, Influenza Surveillance Program



USAF School of Aerospace Medicine

2014 - 2015

Cumulative Results

Locations	89
Collected	6,051
Tested	5,982



Influenza A 1,793

A(H1N1)pdm09	4
A(H3N2)	1,784
A & B	1
A & Parainfluenza	1
A(H3N2) & B/Victoria & Adenovirus & Rhino/Enterovirus	1
A(H3N2) & Coronavirus	1
A(H3N2) & Rhino/Enterovirus	1

Influenza B 257

B/Unknown or pending lineage*	139
B & Rhino/Enterovirus	1
B/Victoria	34
B/Yamagata	83

Other Respiratory Pathogens 1,112

Adenovirus	123
<i>Bordetella pertussis</i>	0
<i>Chlamydia pneumoniae</i>	2
Coronavirus	90
Human Metapneumovirus	70
<i>Mycoplasma pneumoniae</i>	35
Parainfluenza	172
RSV	208
Rhino/Enterovirus	290
Non-influenza Co-infections	122

Lab data are current as of 3 August 2015. Results are preliminary and may change as more results are received.

*USAFSAM does not sequence all influenza B specimens to determine lineage.

Respiratory Highlights

5 July - 1 August 2015 (Surveillance Weeks 27-30)

- During 5 July - 1 August 2015, a total of 46 specimens were collected and received from 26 locations. Results were finalized for 34 specimens from 21 locations. One influenza A(H1N1)pdm09 was identified during Week 28. No other influenza viruses were identified.
- Outbreaks in birds of H5N2, H5N8, and a new H5N1 bird flu virus were first detected in the United States in late 2014. A new CDC study designed to improve understanding of the human health risk posed by H5N2 and H5N8 reaffirms that these viruses pose a low risk to the general public. Additional information can be found here: [CDC Flu News](#) (28 July 2015, cited 5 August 2015).

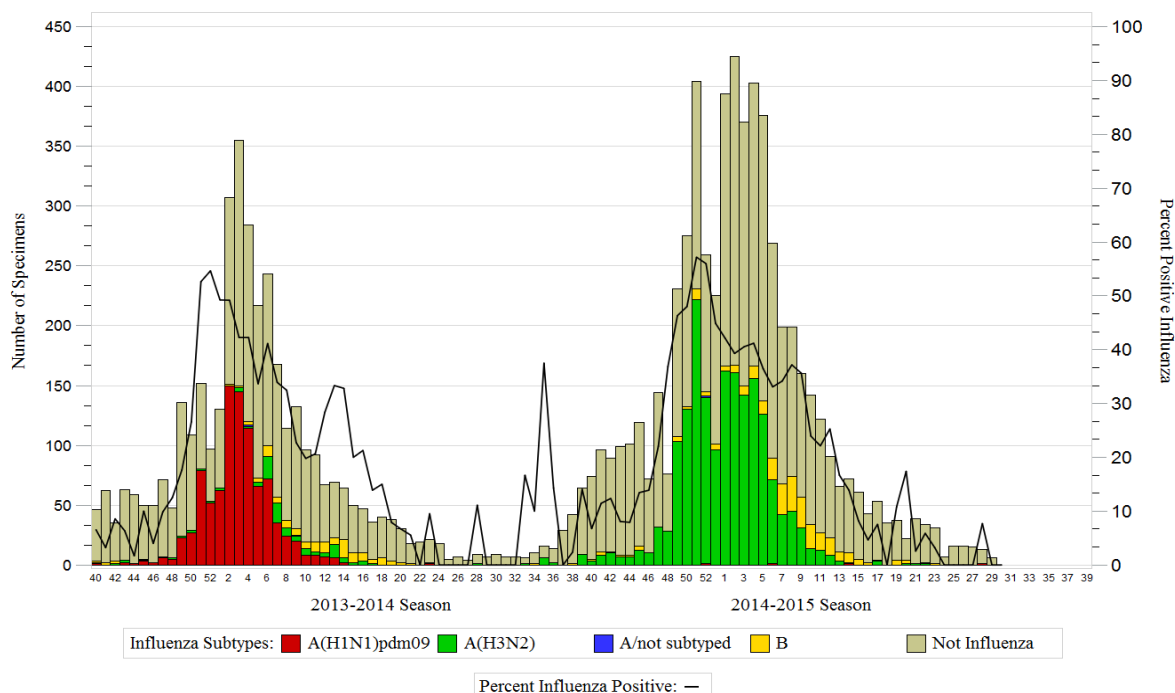
Table 1. Results by region and location for specimens collected and finalized during Weeks 27-30

Region*		A(H1N1)pdm09	hMN	RSV	Rhinovirus/Enterovirus	Adeno & Rhino/Entero	No Pathogen	Total
PACOM	Kadena AB, Japan	-	-	-	-	-	1	1
	Yokota AB, Japan	-	-	1	-	-	1	2
Region 2	JB McGuire-Dix-Lakehurst, NJ	-	-	-	1	-	1	2
	USMA - West Point, NY	-	-	-	1	-	2	3
Region 4	Eglin AFB, FL	-	1	-	-	1	-	2
	Keesler AFB, MS	-	-	-	-	-	1	1
	Moody AFB, GA	-	-	-	-	-	1	1
	NH Beaufort, SC	-	-	-	-	-	2	2
	Robins AFB, GA	-	-	-	-	-	1	1
	Shaw AFB, SC	-	-	-	-	-	1	1
	Tyndall AFB, FL	-	-	-	-	-	1	1
Region 5	Wright-Patterson AFB, OH	1	-	-	1	-	1	3
Region 6	Laughlin AFB, TX	-	-	-	1	-	-	1
	Sheppard AFB, TX	-	-	-	-	-	1	1
Region 7	Offutt AFB, NE	-	-	-	-	-	1	1
Region 8	Ellsworth AFB, SD	-	-	-	1	-	2	3
	Hill AFB, UT	-	-	-	-	-	1	1
Region 9	Luke AFB, AZ	-	-	-	-	-	1	1
	Travis AFB, CA	-	-	-	-	-	2	2
Region 10	Mt Home AFB, ID	-	-	-	-	-	1	1
	NH Bremerton, WA	-	-	-	-	-	3	3
Total		1	1	1	5	1	25	34

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

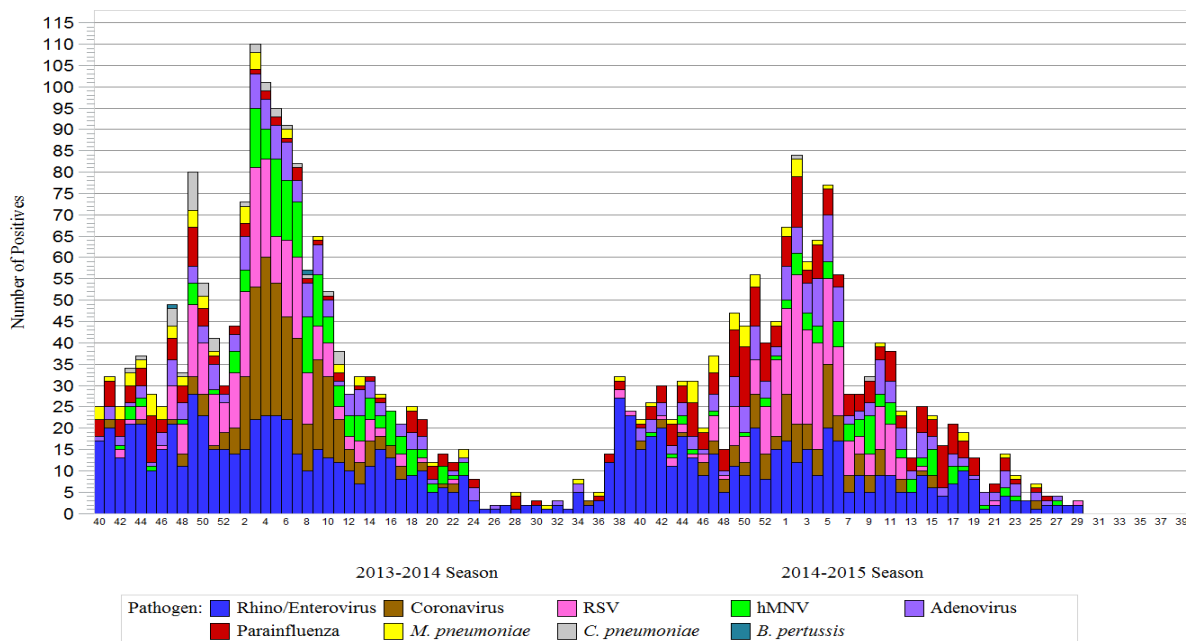
Laboratory Results - Cumulative for Season

Graph 1. Percent influenza positive by week: 2013-2014 surveillance year and through Week 30 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 30 of the 2014-2015 surveillance year

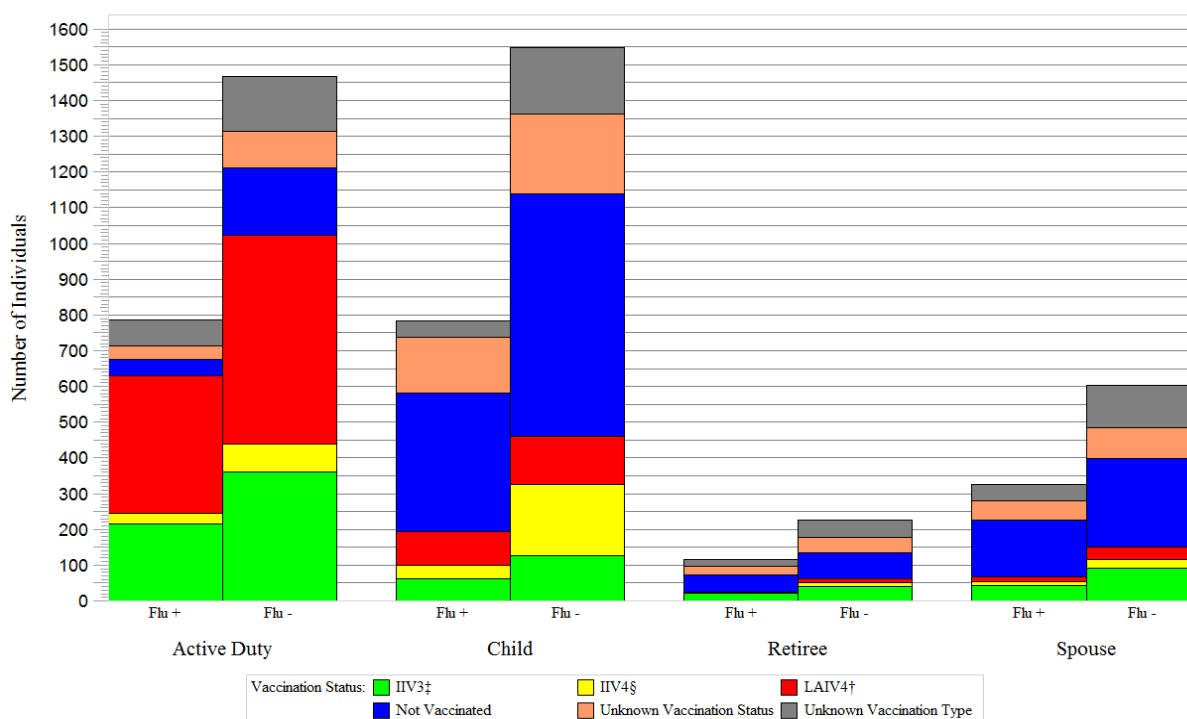


Note: Due to change in protocol between the surveillance years, 2013-2014 and 2014-2015, a direct comparison between the years cannot be made.

Distribution Statement A: Distribution is unlimited. 88ABW-2015-2196 and PA email guidance dated 1May2015.

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 30



‡ Influenza, inactivated vaccine (trivalent)

§ Influenza, inactivated vaccine (quadrivalent)

† Live, attenuated influenza vaccine (quadrivalent)

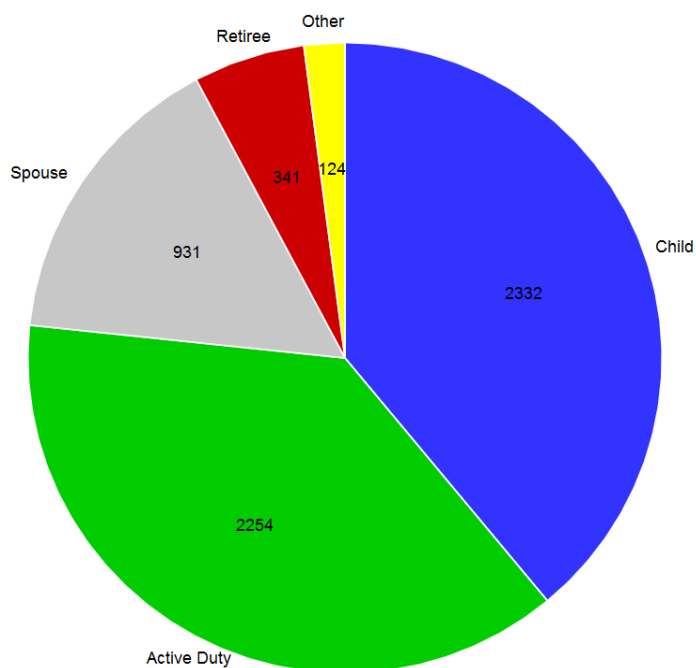
Table 2. ILI by age group for the 2014-2015 surveillance year through Week 30

Age Group	Frequency	Percent
0-5	1304	21.8
6-9	451	7.54
10-17	579	9.68
18-24	850	14.21
25-44	1995	33.35
45-64	612	10.23
65+	180	3.01
Unknown	11	0.18

Demographic Summary

Of 5,982 ILI cases, 2,254 are service members (37.7%), 2,332 are children (39.0%), 931 (15.5%) are spouses, and 465 (7.8%) are retirees & other beneficiaries. The median age of ILI cases with known age (n=5,971) is 23 (range 0, 95) and 2,334 (39.0%) 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 30



Laboratory Results—Through Current Surveillance Week 30

Table 2. Cumulative results by region and location for specimens collected during the 2014-2015 surveillance year

Region*		A(H1N1)pdm09	A(H3N2)	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	
Deployed	Country 1, Location B	-	26	-	-	-	-	-	-	-	1	-	-	-	4	3	-	-	-	18	3	52	107	
	Country 2, Location A	1	48	-	-	-	1	-	1	-	7	-	-	-	-	-	-	-	-	6	1	29	94	
	Country 3, Location A	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
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	-	6	-	-	3	-	1	3	5	1	26	61	
	JR Marianas - NH Guam, Guam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
	Kadena AB, Japan	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	8	15	
	Kunsan AB, South Korea	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	12	
	Misawa AB, Japan	-	10	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	13	26	
	Osan AB, South Korea	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8	24
	Tripler AMC, HI	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
	Yokota AB, Japan	-	80	-	-	-	-	-	-	-	2	-	2	-	2	4	-	1	1	4	1	29	126	
Region 1	Hanscom AFB, MA	-	24	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3	1	-	29	58	
	NHCNE Newport, RI	-	16	-	-	-	-	-	1	2	3	-	2	-	-	-	-	1	2	1	2	23	53	
	USCG Academy, CT	-	10	-	-	-	-	-	1	-	-	-	1	-	-	-	1	1	-	2	1	11	28	
Region 2	CGAS Borinquen, PR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Ft Drum, NY	-	64	-	-	-	-	-	13	-	9	-	5	-	5	5	1	4	10	19	10	59	204	
	JB McGuire-Dix-Lakehurst, NJ	-	32	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	2	6	1	31	75	
Region 3	USMA - West Point, NY	1	95	-	-	-	-	-	8	-	2	-	5	-	9	2	4	7	12	11	8	159	323	
	CG Base Portsmouth, VA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
	Dover AFB, DE	-	21	-	-	-	-	-	-	-	1	-	-	-	1	1	1	1	-	-	-	19	45	
	JB Anacostia-Bolling, DC	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	
	JB Andrews, MD	-	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	-	4	12	
	JB Langley-Eustis, VA	-	7	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	1	12	24	
	NCRM - Ft Belvoir CH, VA	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	4	1	4	11	
	NCRM - Walter Reed NMMC, MD	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	4	
NMC Portsmouth, VA	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	3		
Region 4	CGS Mobile, AL	-	11	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	8	22	
	Columbus AFB, MS	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	26	
	Eglin AFB, FL	-	14	-	-	-	-	-	3	-	2	-	2	-	-	1	1	4	6	3	6	57	99	
	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	-	-	-	3	-	-	-	1	1	4	7	2	40	81	
	JB Charleston (AF), SC	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	14	
	JB Charleston (Navy), SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	2	5	
	Keesler AFB, MS	-	6	-	-	-	-	-	-	1	1	-	7	-	-	-	-	1	2	1	2	30	51	
	MacDill AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11	
	Maxwell AFB, AL	-	31	-	-	-	-	-	10	-	5	-	2	-	2	1	1	2	1	5	-	80	140	
	Moody AFB, GA	-	92	-	-	-	-	-	5	3	3	-	16	-	8	9	1	13	5	17	9	102	283	
	NH Beaufort, SC	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	2	1	17	23	
	NH Camp Lejeune, NC	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	11	76	
	NH Jacksonville, FL	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	4	1	-	8	
	Patrick AFB, FL	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	
	Robins AFB, GA	-	35	-	-	-	-	-	3	-	2	-	1	-	3	1	-	-	-	-	-	43	88	
	Seymour Johnson AFB, NC	-	15	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	1	3	5	-	13	40
	Shaw AFB, SC	-	7	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-	11	22	
Tyndall AFB, FL	-	14	-	-	-	-	-	-	3	-	-	-	4	-	1	1	-	1	2	1	1	17	45	
USCG Base Elizabeth City, NC	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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

Continued on Page 5

Laboratory Results—Through Current Surveillance Week 30

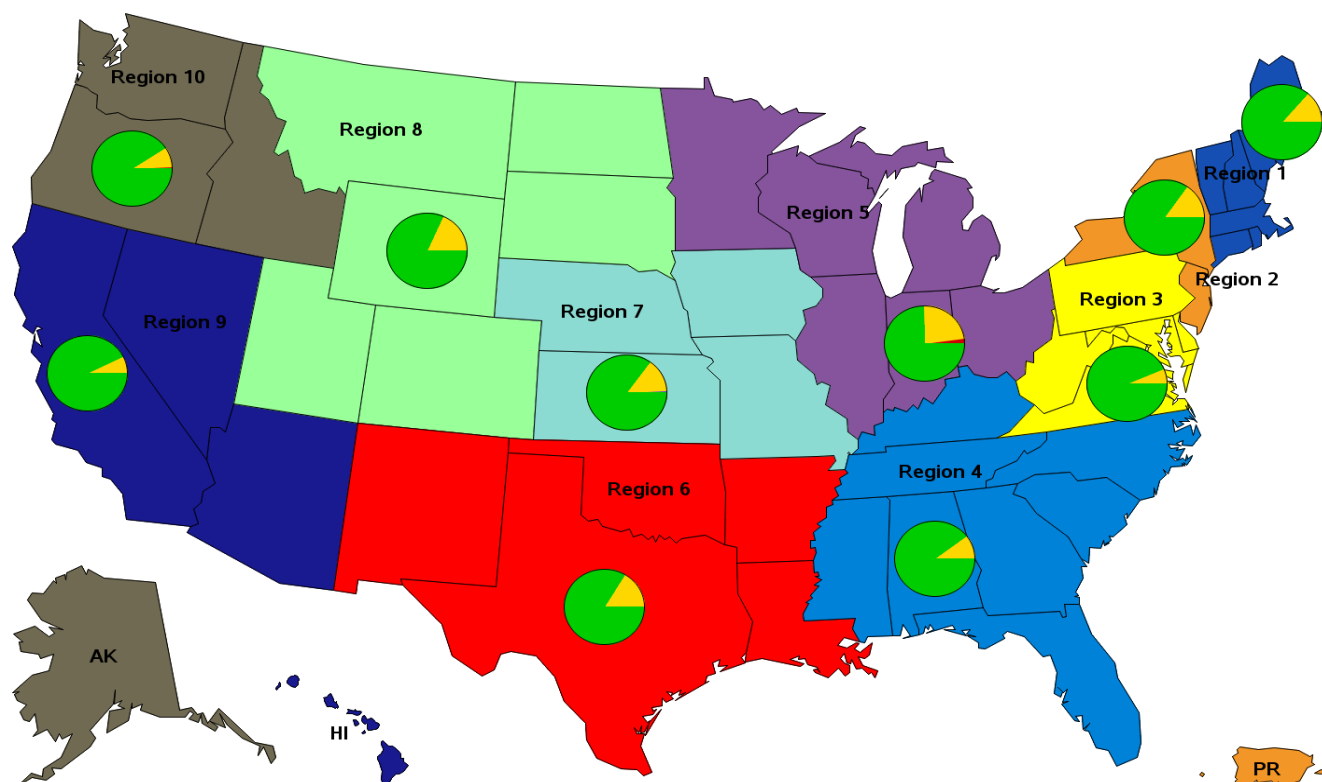
Table 2. Cumulative results by region and location for specimens collected during the 2014-2015 surveillance year
(Continued from Page 4)

Region*		A(H1N1)pdm09	A(H3N2)	A/not subtyped & 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	-	-	-	-	-	6	1	4	-	2	-	1	1	-	2	2	2	-	37	81
	Wright-Patterson AFB, OH	1	12	-	-	-	-	-	-	-	-	-	-	-	4	1	-	-	4	9	-	40	71
Region 6	Altus AFB, OK	-	16	-	-	-	-	-	4	-	2	1	3	-	1	-	-	6	7	3	2	118	163
	Barksdale AFB, LA	-	10	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	11	24
	Cannon AFB, NM	-	4	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	1	3	-	13	24
	Ft Hood, TX	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Holloman AFB, NM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5
	Laughlin AFB, TX	-	9	-	-	-	-	-	-	-	-	-	3	-	1	-	2	2	3	7	3	17	47
	Little Rock AFB, AR	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	34	53
	SAMMC, TX	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Sheppard AFB, TX	-	69	-	-	-	-	-	4	3	1	-	3	-	6	3	1	6	5	6	7	107	221
	Tinker AFB, OK	-	123	-	1	-	-	-	26	6	1	-	2	1	5	7	1	12	22	13	8	189	417
	USCG New Orleans, LA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Vance AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	3
Region 7	Ft Leavenworth, KS	-	5	-	-	-	-	-	-	-	-	-	2	-	1	1	-	-	1	1	-	13	24
	McConnell AFB, KS	-	38	1	-	-	-	1	2	-	2	-	-	-	3	-	-	1	-	4	-	28	80
	Offutt AFB, NE	-	69	-	-	-	-	-	9	-	6	-	3	-	5	-	2	8	1	11	1	146	261
Region 8	Buckley AFB, CO	-	2	-	-	-	-	-	1	2	-	-	-	-	1	-	-	-	1	1	-	9	17
	Ellsworth AFB, SD	-	30	-	-	-	-	-	12	2	4	-	2	-	5	1	4	7	1	4	2	44	118
	FE Warren AFB, WY	-	35	-	-	-	-	-	8	4	-	-	3	-	-	-	-	15	3	3	2	38	111
	Hill AFB, UT	-	34	-	-	-	-	-	-	-	2	-	-	-	-	-	-	2	4	8	2	37	93
	Malmstrom AFB, MT	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	2	10
	Minot AFB, ND	-	19	-	-	-	-	-	1	-	-	-	2	-	3	1	3	5	11	3	3	30	81
	Peterson AFB, CO	-	50	-	-	-	-	-	1	2	3	-	-	-	-	1	1	4	3	4	2	40	111
	USAF Academy, CO	-	26	-	-	-	-	-	2	1	-	-	-	-	-	-	1	1	-	2	-	31	64
	Beale AFB, CA	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Region 9	Davis-Monthan AFB, AZ	-	26	-	-	-	-	-	-	-	2	-	1	-	2	4	-	2	1	2	1	46	87
	Edwards AFB, CA	-	8	-	-	-	-	-	1	1	1	-	-	-	-	-	-	3	-	-	-	15	29
	Los Angeles AFB, CA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Luke AFB, AZ	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	15	29
	Nellis AFB, NV	-	19	-	-	-	-	-	1	2	2	-	2	-	-	-	-	-	2	2	-	31	61
	Travis AFB, CA	-	56	-	-	-	-	-	1	1	-	-	1	-	2	2	2	12	18	13	3	208	319
	USCG Island Alameda, CA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	8
	Vandenberg AFB, CA	-	6	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	20	28
	CGS North Bend, OR	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	5
Region 10	Fairchild AFB, WA	-	22	-	-	-	-	-	1	-	1	-	1	-	2	2	-	1	7	1	1	11	50
	Mt Home AFB, ID	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	9	23
	NH Bremerton, WA	1	87	-	-	-	-	-	7	-	2	-	18	1	5	7	5	25	39	38	21	381	637
Total		4	1784	1	1	1	1	1	139	34	83	1	123	2	90	70	35	172	208	290	122	2820	5982

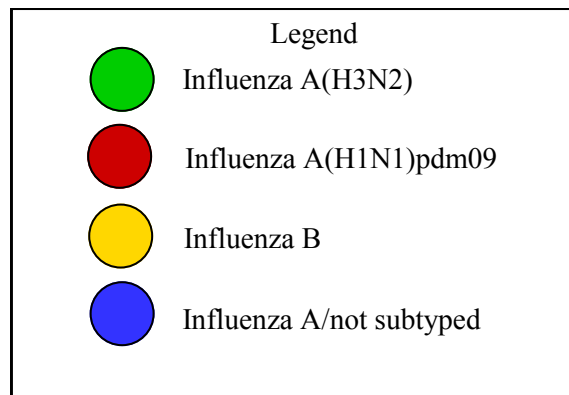
*US Regions are based on Health & Human Services regions. Other locations are defined by COCOM.

DoD Global, Laboratory-Based, Influenza Surveillance Program

Map 1. Influenza subtypes by Health & Human Service regions for the 2014-2015 surveillance year through Week 30

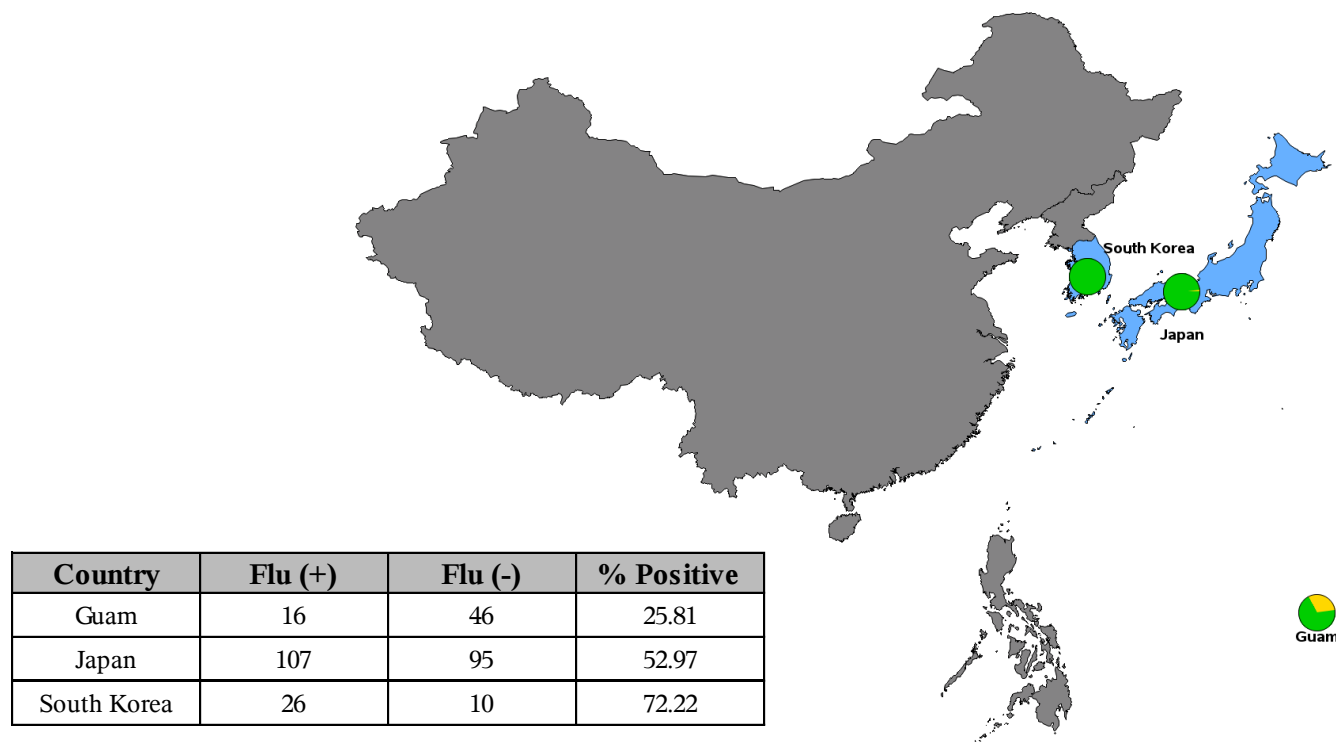


Region	Flu (+)	Flu (-)	% Positive
Region 1	58	83	41.13
Region 2	227	378	37.52
Region 3	46	64	41.82
Region 4	440	778	36.12
Region 5	47	105	30.92
Region 6	306	657	31.78
Region 7	132	234	36.07
Region 8	245	361	40.43
Region 9	163	418	28.06
Region 10	148	599	19.81

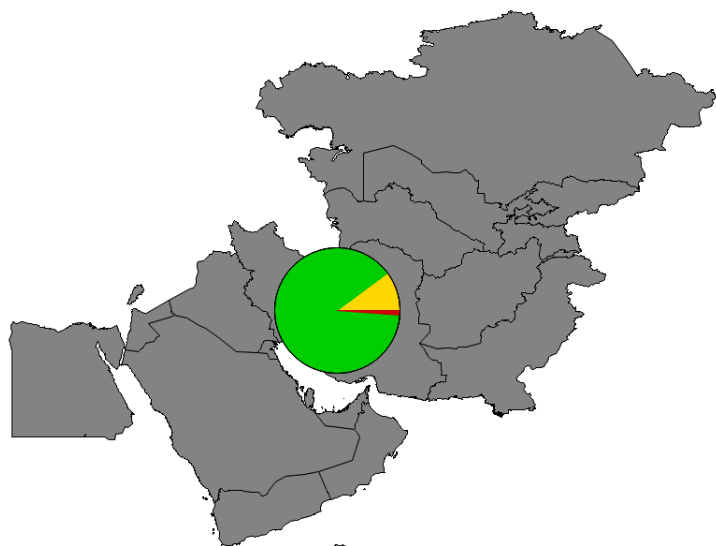


DoD Global, Laboratory-Based, Influenza Surveillance Program

Map 2. Influenza subtypes by country for the 2014-2015 surveillance year through Week 30 (Pacific)

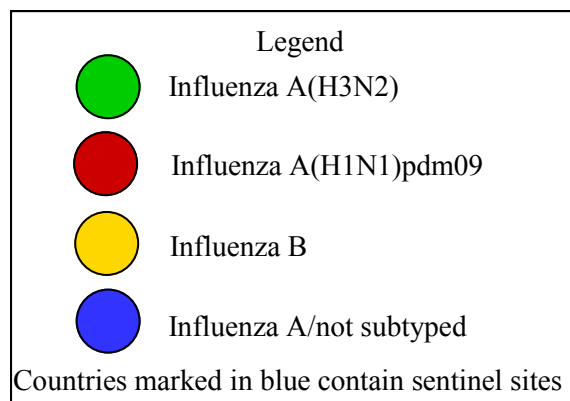


Map 3. Influenza subtypes for CENTCOM for the 2014-2015 surveillance year through Week 30



*Note – Specimens for CENTCOM were tested at USAFSAM or Landstuhl Regional Medical Center (LRMC).

Country	Flu (+)	Flu (-)	% Positive
Country 1	27	80	25.23
Country 2	58	36	61.70
Country 3	2	0	100.00
Country 6	2	44	4.35



Monthly EUCOM Respiratory Surveillance Supplemental Report Through 1 August 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.
- Lab results are preliminary and may change as more results are received.

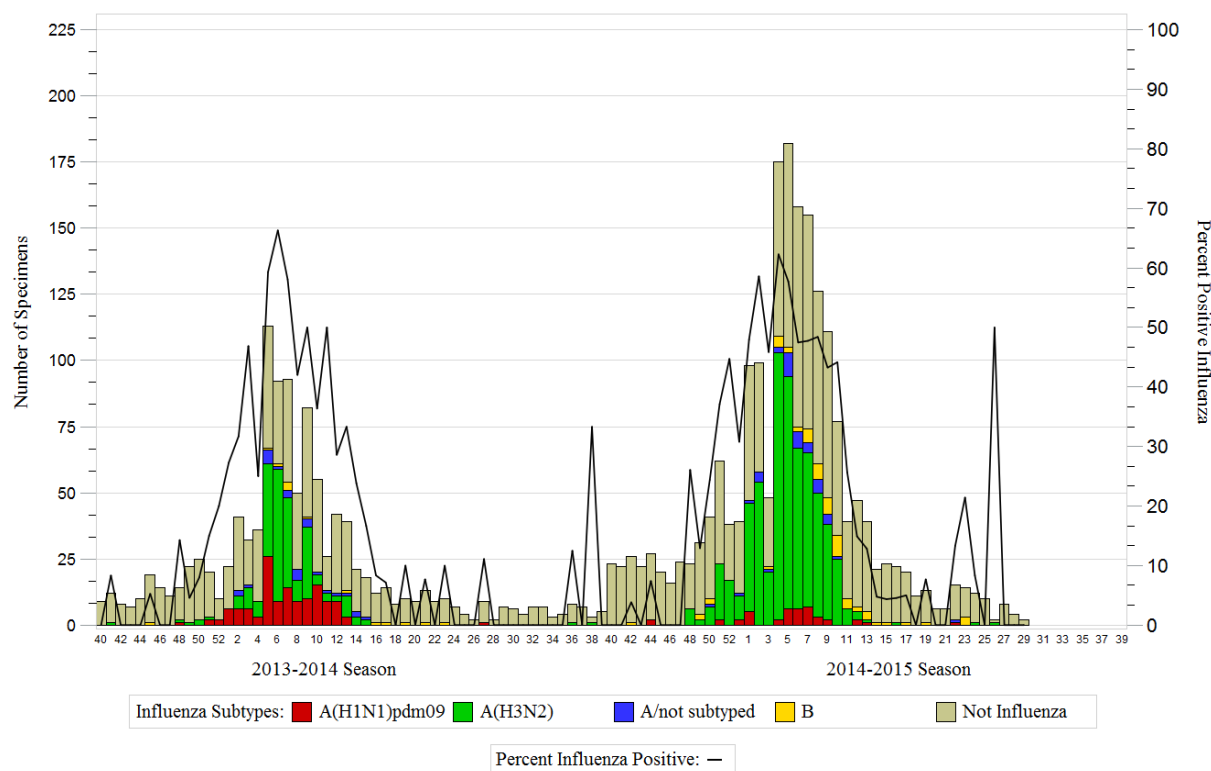
Table 3. Results by region and location for specimens collected and finalized during Weeks 27-30

Region		A(H3N2) & B	Parainfluenza	Rhinovirus/ Enterovirus	No Pathogen	Total
Deployed	Country 6, Location A	-	-	-	2	2
EUCOM	Aviano AB, Italy	1	-	-	-	1
	Incirlik AB, Turkey	-	-	-	1	1
	Landstuhl RMC, Germany	-	-	1	3	4
	RAF Lakenheath, England	-	1	1	4	6
	USAG Vicenza, Italy	-	-	-	1	1
Total		1	1	2	11	15

Table 4. Cumulative results by region and location for specimens collected during the 2014-2015 surveillance year

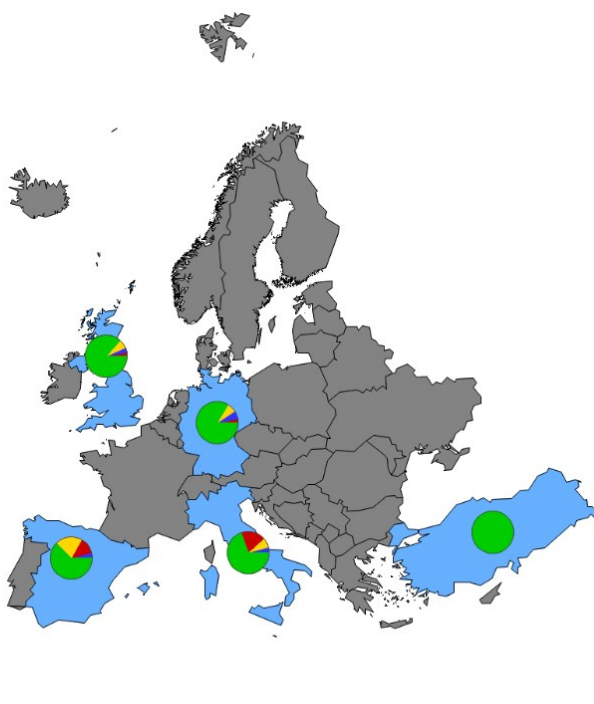
Region		A(H1N1)pdm09	A(H3N2)	A/not subtyped	A/not subtyped & RSV	A/not subtyped & Rhino/Entero	A(H1N1)pdm09 & hMNV	A(H1N1)pdm09 & RSV	A(H3N2) & B	A(H3N2) & hMNV	A(H3N2) & hMNV & Rhino/Entero	A(H3N2) & Para	A(H3N2) & RSV	A(H3N2) & RSV & Rhino/Entero	A(H3N2) & Rhino/Entero	Influenza A & B	B	B & RSV	B & Rhino/Entero	Adenovirus	hMNV	Para-influenza	RSV	Rhinovirus/Enterovirus	Adeno & RSV	Adeno & RSV & Rhino/Entero	Adeno & Rhino/Entero	hMNV & RSV	hMNV & Rhino/Entero	Para & RSV	Para & Rhino/Entero	RSV & Rhino/Entero	No Pathogen	Total	
Deployed	Country 6, Location A	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	37	45
EUCOM	Aviano AB, Italy	4	12	2	-	-	-	-	2	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	16	40	
	Incirlik AB, Turkey	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1	2	6	2	5	-	-	1	-	-	-	-	16	35	
	Landstuhl RMC, Germany	5	108	11	-	1	1	-	-	-	-	-	2	-	-	2	10	-	-	-	1	7	9	46	41	2	1	6	2	-	1	2	7	176	441
	NAS Sigonella, Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	2	
	NAVSTA Rota, Spain	3	15	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	1	2	-	2	5	-	-	1	-	-	-	-	1	34	70
	NSA Naples, Italy	10	10	1	-	-	-	1	-	-	-	-	-	-	-	-	-	3	-	1	-	1	1	8	9	-	-	-	-	-	-	-	1	27	73
	RAF Lakenheath, England	5	132	3	-	3	-	-	-	-	-	1	3	-	9	-	11	1	-	2	8	8	12	56	-	-	1	-	1	1	3	9	163	432	
	Ramstein AB, Germany	1	59	1	-	1	-	-	-	-	-	-	-	-	2	-	2	-	1	-	4	2	17	18	-	-	1	-	-	-	2	1	29	141	
	Spangdahlem AB, Germany	1	21	1	1	-	-	-	-	-	1	-	1	-	2	-	1	-	-	-	1	4	5	13	6	-	-	1	-	-	-	-	3	35	97
	USAG Stuttgart, Germany	1	61	7	-	-	-	-	1	-	-	-	1	-	2	-	8	-	-	1	4	7	8	15	-	-	-	-	-	-	-	-	1	77	194
	USAG Vicenza, Italy	6	51	2	-	-	-	-	-	1	-	-	-	-	4	-	-	-	-	1	-	3	2	-	24	-	-	-	-	-	-	-	-	58	152
	Vilseck AHC, Germany	1	95	4	-	1	-	2	-	-	-	-	-	4	2	3	-	6	-	2	3	1	4	21	33	-	-	2	-	2	-	-	4	50	240
Total		37	566	32	2	6	1	3	3	1	1	1	12	2	23	2	48	1	6	10	36	44	129	220	2	1	13	2	3	2	7	27	719	1962	

Graph 5. Percent influenza positive by week: 2013-2014 surveillance year and through Week 30 of the 2014-2015 surveillance year

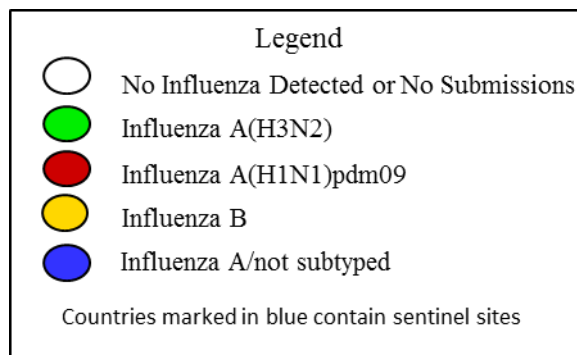


Note: Dual influenza co-infections have been excluded from the graph..

Map 4. Percentage of influenza positive by country for the 2014-15 surveillance year through Week 30 (Europe)



Country	Flu (+)	Flu (-)	% Positive
England	168	264	38.89
Germany	434	676	39.1
Italy	112	153	42.26
Spain	24	46	34.29
Turkey	2	33	5.71



DoD Global Laboratory-Based Influenza Surveillance Program



USAF School of Aerospace Medicine

2014 - 2015

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



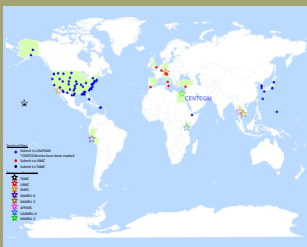
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Contributions to the CDC for National Influenza Surveillance

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)

[https://](https://gumbo2.area52.afnoapps.usaf.mil/epi-consult/influenza)

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.



Distribution Statement A: Distribution is unlimited. 88ABW-2015-2196 and PA email guidance dated 1 May 2015.

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