

DoD Global, Laboratory-Based, Influenza Surveillance Program



USAF School of Aerospace Medicine

2014 - 2015

Cumulative Results

Locations	86
Collected	4,847
Tested	4,665

Influenza A 1,702

A(H1N1)pdm09	1
A(H3N2)	1,695
A & B	1
A & Coronavirus	1
A & Parainfluenza	1
A(H3N2) & Coronavirus	1
A(H3N2) & B & Adenovirus & Rhino/Enterovirus	1
A(H3N2) & Rhino/Enterovirus	1

Influenza B 134

B/Unknown or pending lineage	107
B & Rhino/Enterovirus	1
B/Victoria	6
B/Yamagata	20

Other Respiratory Pathogens 674

Adenovirus	76
<i>Bordetella pertussis</i>	0
<i>Chlamydomydia pneumoniae</i>	1
Coronavirus	43
Human Metapneumovirus	16
<i>Mycoplasma pneumoniae</i>	27
Parainfluenza	115
RSV	148
Rhino/Enterovirus	177
Non-influenza Co-infections	71

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



Respiratory Highlight 15-28 February 2015 (Surveillance Weeks 7 & 8)

- During 15-28 February 2015, a total of 310 specimens were collected and received from 50 locations. Results were finalized for 183 specimens from 41 locations. During Week 7, the laboratory identified 41 influenza A(H3N2), 26 influenza B, and one influenza A & B. During Week 8, 25 influenza A(H3N2) and 14 influenza B were identified. See Table 1 below for other respiratory viruses identified during Weeks 7 & 8.

Table 1. Results by region and location for specimens collected and finalized during Weeks 7 & 8

Region*		A(H3N2)	AB	B	Adeno	Corona	Paraflu	RSV	Rhino/Enterovirus	Corona & Rhino/Enterovirus	No Pathogen	Total
Deployed	Country 1, Location B	2	-	1	-	1	-	-	2	-	-	6
PACOM	Kunsan AB, South Korea	3	-	-	-	-	-	-	-	-	-	3
	Osan AB, South Korea	2	-	-	-	-	-	-	-	-	-	2
	Yokota AB, Japan	13	-	1	-	-	-	-	-	-	-	14
Region 1	Hanscom AFB, MA	-	-	-	-	-	-	-	-	-	1	1
	NHCNE Newport, RI	2	-	-	-	-	-	-	-	-	1	3
	USCG Academy, CT	4	-	-	-	-	-	-	-	-	-	4
Region 2	Ft Drum, NY	5	-	4	-	-	-	2	-	-	1	12
	JB McGuire-Dix-Lakehurst, NJ	-	-	-	-	-	-	-	-	-	1	1
	USMA - West Point, NY	6	-	1	-	-	-	-	-	-	15	22
Region 3	Dover AFB, DE	2	-	-	-	-	-	-	-	-	-	2
	NCRM - Walter Reed NMMC, MD	-	-	-	-	-	-	-	1	-	-	1
Region 4	Eglin AFB, FL	1	-	-	-	-	-	-	-	-	-	1
	Hurlburt Field, FL	1	-	-	-	-	-	1	-	-	-	2
	Keesler AFB, MS	-	-	-	-	-	-	1	-	-	-	1
	Maxwell AFB, AL	1	-	5	-	-	-	-	-	-	4	10
	Moody AFB, GA	1	-	-	-	-	1	-	-	-	3	5
	Robins AFB, GA	1	-	1	-	-	-	-	-	-	1	3
	Shaw AFB, SC	1	-	-	-	-	-	-	-	-	-	1
Region 5	Scott AFB, IL	-	-	2	-	-	-	-	-	-	1	3
	Wright-Patterson AFB, OH	-	-	-	-	-	-	-	-	-	1	1
Region 6	Altus AFB, OK	-	-	1	-	-	1	-	-	-	-	2
	Barksdale AFB, LA	-	-	-	-	-	-	-	-	-	2	2
	Little Rock AFB, AR	1	-	-	-	-	-	-	-	-	1	2
	Sheppard AFB, TX	-	-	1	-	-	-	-	-	-	5	6
	Tinker AFB, OK	3	-	10	-	-	-	-	-	-	5	18
Region 7	Ft Leavenworth, KS	-	-	-	1	-	-	-	-	-	1	2
	McConnell AFB, KS	5	1	1	-	-	-	-	-	-	2	9
	Offutt AFB, NE	1	-	-	-	-	-	-	-	-	1	2
Region 8	Buckley AFB, CO	-	-	2	-	-	-	-	-	-	-	2
	Ellsworth AFB, SD	-	-	2	-	-	1	-	-	-	1	4
	FE Warren AFB, WY	2	-	3	-	-	-	-	-	-	1	6
	Minot AFB, ND	-	-	1	-	-	-	-	-	-	2	3
	Peterson AFB, CO	-	-	1	-	-	-	-	-	-	-	1
Region 9	Davis-Monthan AFB, AZ	2	-	-	-	-	-	-	-	-	1	3
	Los Angeles AFB, CA	1	-	-	-	-	-	-	-	-	-	1
	Luke AFB, AZ	-	-	-	-	-	-	-	-	-	1	1
	Nellis AFB, NV	1	-	-	-	-	-	-	-	-	-	1
	Travis AFB, CA	4	-	1	-	-	1	-	-	-	5	11
Region 10	Fairchild AFB, WA	-	-	-	-	-	-	1	-	-	-	1
	NH Bremerton, WA	1	-	2	-	-	2	-	-	-	3	8
Total		66	1	40	1	1	6	5	2	1	60	183

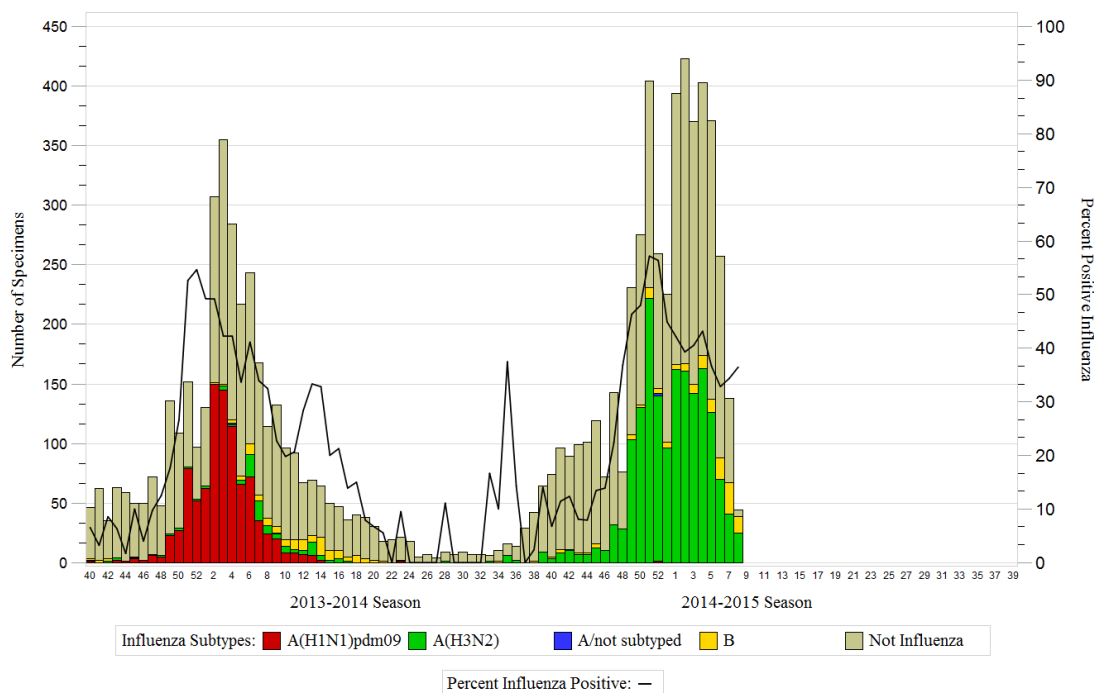
*US Regions are based on Health & Human Services regions. Other locations are defined by COCOM.

Distribution Statement A: Distribution is unlimited. 88ABW-2015-0947, 10 March 2015.

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

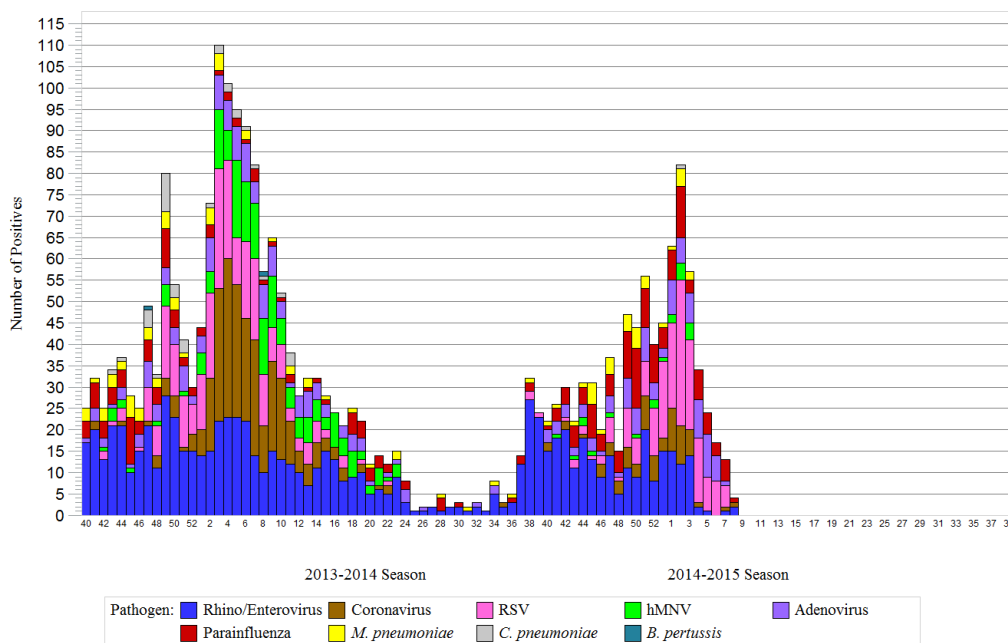
Laboratory Results - Cumulative for Season

Graph 1. Percent influenza positive by week: 2013-2014 surveillance year and through Week 8 of the 2014-2015 surveillance year



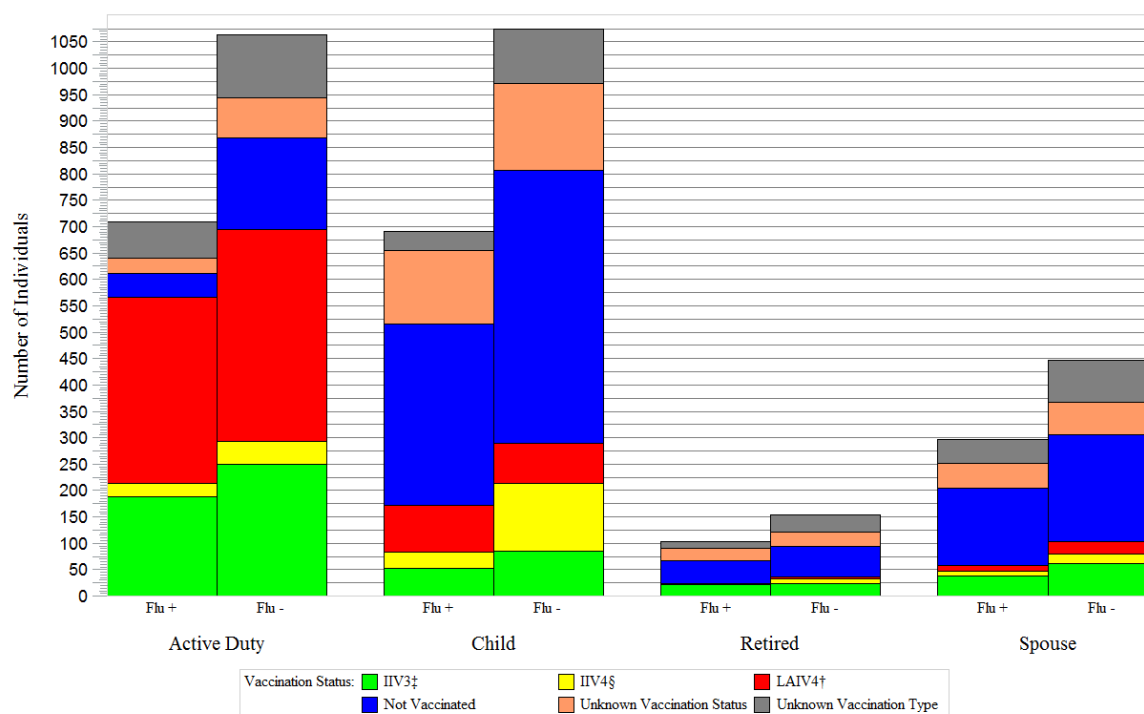
Note: One specimen positive for influenza A(H3N2)v has been excluded from the graph during the 2013-2014 season. Additionally, dual influenza co-infections are excluded from this graph. Specimens with pending results are used in the denominator to calculate percent positive, but are not displayed in the graph.

Graph 2. Other respiratory pathogen results by week: 2013-2014 surveillance year and through Week 8 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.

Graph 3. Vaccination status by beneficiary type for the 2014-2015 surveillance year through Week 8



‡ Influenza, inactivated vaccine (trivalent)

§ Influenza, inactivated vaccine (quadrivalent)

† Live, attenuated influenza vaccine (quadrivalent)

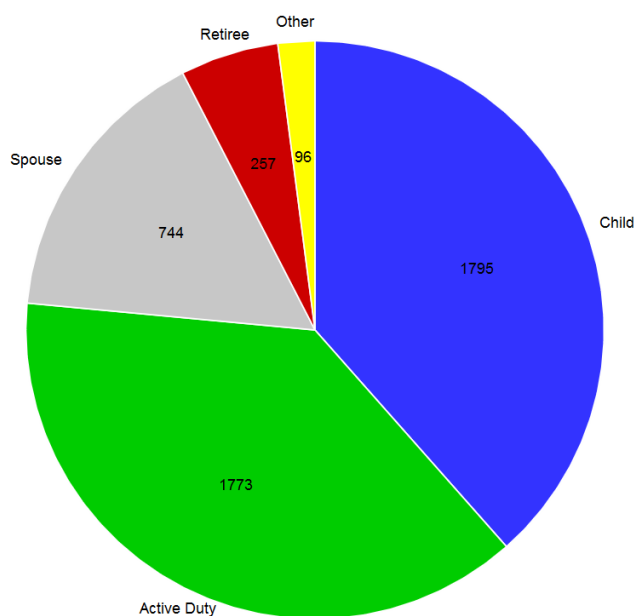
Table 2. ILI by age group for the 2014-2015 surveillance year through Week 8

Age Group	Frequency	Percent
0-5	969	20.77
6-9	362	7.76
10-17	465	9.97
18-24	651	13.95
25-44	1606	34.43
45-64	470	10.08
65+	131	2.81
Unknown	11	0.24

Demographic Summary

Of 4,665 ILI cases, 1,773 are service members (38.0%), 1,795 are children (38.5%), 744 (16.0%) are spouses, and 353 (7.6%) are retirees & other beneficiaries. The median age of ILI cases with known age (n=4,654) is 23 (range 0, 94) and 1,796 (38.5%) 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 8



Laboratory Results—Through Current Surveillance Week 8

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

Region*		A(H1N1)pdm09	A(H3N2)	A/not subtyped & Corona	A/not subtyped & Para	A(H3N2) & B & 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	-	-	-	-	-	3	-	-	-	-	9	3	49	91
	Country 2, Location A	-	46	-	-	-	-	1	-	3	-	3	-	-	-	3	-	-	-	-	4	-	23	80
PACOM	CFA Okinawa, Japan	-	4	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-	20	28
	Camp Zama, Japan	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	Eielson AFB, AK	-	6	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	1	-	7	17
	JB Elmendorf-Richardson, AK	-	7	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	5	13
	JR Marianas - Andersen AFB, Guam	-	11	-	-	-	-	-	-	1	-	4	-	3	-	-	3	-	1	3	4	1	25	56
	JR Marianas - NH Guam, Guam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Kadena AB, Japan	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	10
	Kunsan AB, South Korea	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8
	Misawa AB, Japan	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	6	18
	Osan AB, South Korea	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	21
	Tripler AMC, HI	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
	Yokota AB, Japan	-	71	-	-	-	-	-	-	-	1	-	1	-	2	-	-	-	-	1	-	1	1	20
Region 1	Hanscom AFB, MA	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	18	45
	NHCNE Newport, RI	-	14	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	1	2	14	34
	USCG Academy, CT	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	1	10	22
Region 2	Ft Drum, NY	-	43	-	-	-	-	-	-	6	-	2	-	3	-	3	-	1	2	7	10	5	44	126
	JB McGuire-Dix-Lakehurst, NJ	-	32	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	22	59
	USMA - West Point, NY	-	78	-	-	-	-	-	-	1	-	-	-	2	-	4	-	4	4	7	6	3	113	222
Region 3	CG Base Portsmouth, VA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Dover AFB, DE	-	21	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	11	35
	JB Anacostia-Bolling, DC	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	JB Andrews, MD	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	4	11
	JB Langley-Eustis, VA	-	7	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	10	20
	NCRM - Ft Belvoir CH, VA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	4	1	4	11
	NCRM - Walter Reed NMMC, MD	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	3
NMC Portsmouth, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Region 4	CGS Mobile, AL	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3	16
	Columbus AFB, MS	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	24
	Eglin AFB, FL	-	14	-	-	-	-	-	-	1	-	1	-	1	-	-	-	1	-	4	1	2	39	64
	Ft Bragg, NC	-	30	-	-	-	-	-	-	-	-	-	-	2	-	3	2	-	3	7	3	1	36	87
	Ft Campbell, KY	-	30	-	-	-	-	-	-	1	1	-	-	4	-	1	-	-	4	2	3	1	43	90
	Hurlburt Field, FL	-	22	-	-	-	-	-	-	1	-	-	-	2	-	-	-	1	-	4	5	2	36	73
	JB Charleston (AF), SC	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	14
	JB Charleston (Navy), SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	2	5
	Keesler AFB, MS	-	6	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	1	2	1	2	17	32
	MacDill AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7
	Maxwell AFB, AL	-	31	-	-	-	-	-	-	11	-	1	-	2	-	1	-	-	1	1	4	-	61	113
	Moody AFB, GA	-	87	-	-	-	-	-	-	1	2	2	-	6	-	7	1	1	7	4	13	4	60	195
	NH Beaufort, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	10	14
	NH Camp Lejeune, NC	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	9	74
	NH Jacksonville, FL	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	4	1	-	8
	Robins AFB, GA	-	35	-	-	-	-	-	-	2	-	1	-	1	-	2	-	-	-	-	-	-	38	79
	Seymour Johnson AFB, NC	-	15	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	3	4	-	11	35
	Shaw AFB, SC	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	9	17
	Tyndall AFB, FL	-	13	-	-	-	-	-	-	-	-	3	-	2	-	-	-	-	-	-	2	-	1	13
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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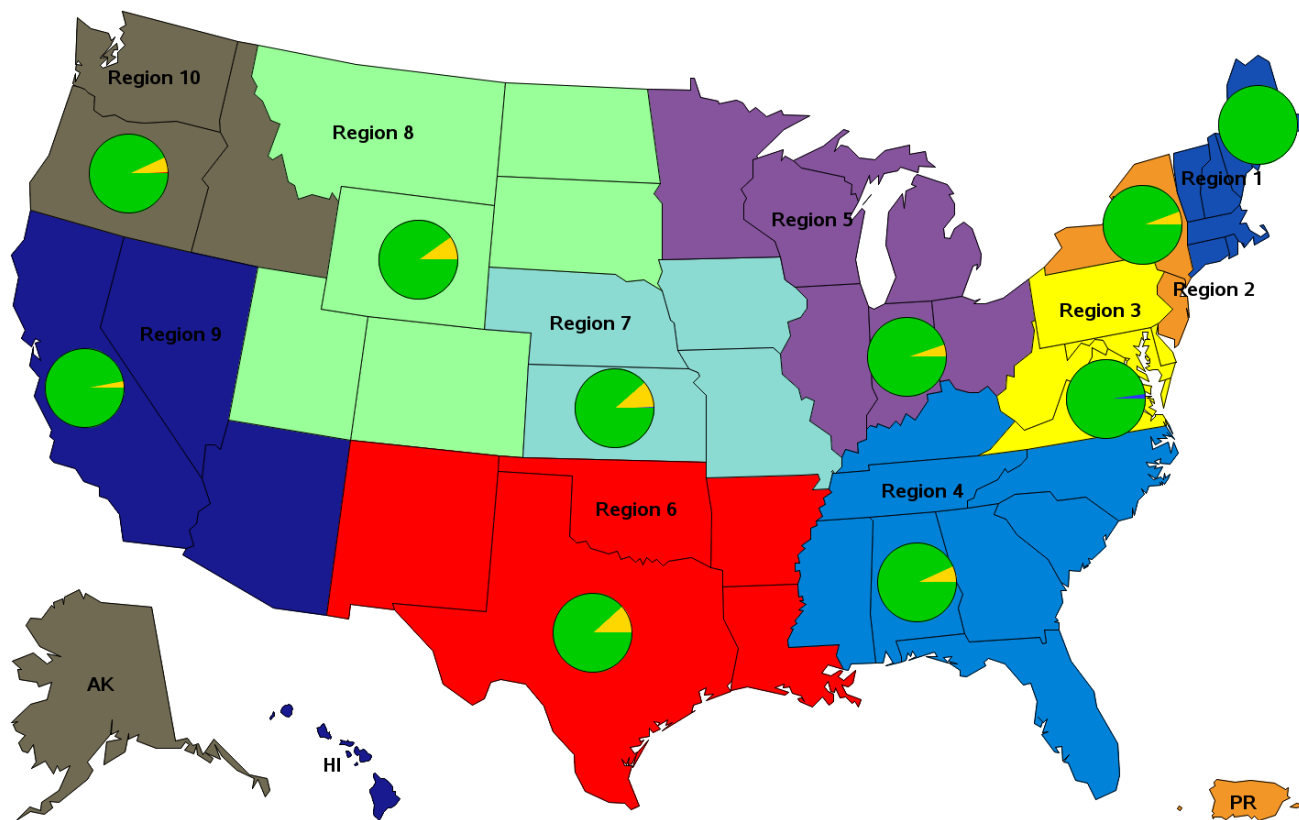
Laboratory Results—Through Current Surveillance Week 8

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

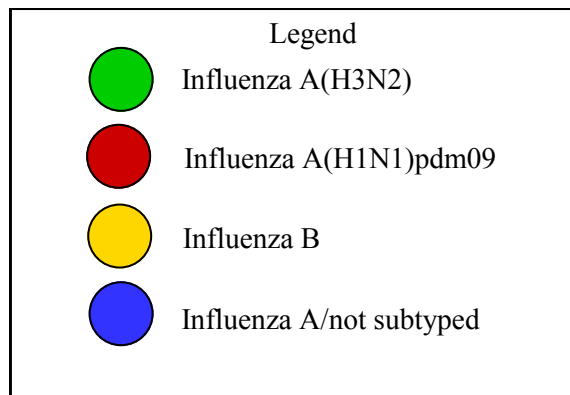
Region*		A(H1N1)pdm09	A(H3N2)	A/not subtyped & Corona	A/not subtyped & Para	A(H3N2) & B & Adeno & Rhino/Entero	A(H3N2) & Corona	A(H3N2) & Rhino/Entero	Influenza A & B	B	B/Victoria	B/Yamagata	B & Rhino/Entero	Adenovirus	C. pneumoniae	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Co-Infection	No Pathogen	Total
Region 5	Scott AFB, IL	-	23	-	-	-	-	-	-	2	-	-	-	1	-	1	1	-	2	-	1	-	26	57
	Wright-Patterson AFB, OH	-	12	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	4	6	-	30	54
Region 6	Altus AFB, OK	-	16	-	-	-	-	-	-	2	-	-	1	2	-	1	-	-	2	6	3	2	76	111
	Barksdale AFB, LA	-	10	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	10	23
	Cannon AFB, NM	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	7	12
	Ft Hood, TX	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Holloman AFB, NM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Laughlin AFB, TX	-	10	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	1	1	2	14	31
	Little Rock AFB, AR	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	46
	SAMMC, TX	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Sheppard AFB, TX	-	69	-	-	-	-	-	-	5	-	-	-	3	-	3	-	1	3	5	3	4	83	179
	Tinker AFB, OK	-	121	-	-	1	-	-	-	24	1	-	-	2	-	2	1	1	7	9	7	3	173	352
	USCG New Orleans, LA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Vance AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
Region 7	Ft Leavenworth, KS	-	5	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	15	22
	McConnell AFB, KS	-	37	-	1	-	-	-	1	4	-	-	-	-	-	2	-	-	-	-	2	-	24	71
	Offutt AFB, NE	-	67	-	-	-	-	-	-	8	-	-	-	3	-	1	-	2	8	1	10	1	126	227
Region 8	Buckley AFB, CO	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	1	1	-	10	16
	Ellsworth AFB, SD	-	27	-	-	-	-	-	-	10	-	1	-	2	-	1	-	2	8	-	2	-	28	81
	FE Warren AFB, WY	-	35	-	-	-	-	-	-	4	-	-	-	2	-	-	-	-	9	1	3	-	28	82
	Hill AFB, UT	-	34	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	3	3	5	1	32	80
	Malmstrom AFB, MT	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4	9
	Minot AFB, ND	-	17	-	-	-	-	-	-	1	-	-	-	2	-	2	-	3	3	5	2	2	25	62
	Peterson AFB, CO	-	50	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	2	1	3	1	31	91
	USAF Academy, CO	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	19	47
Region 9	Davis-Monthan AFB, AZ	-	22	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	1	-	1	38	65
	Edwards AFB, CA	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	9	18
	Los Angeles AFB, CA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Luke AFB, AZ	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	12	25
	Nellis AFB, NV	-	18	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	1	1	-	19	42
	Travis AFB, CA	-	52	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	11	13	11	3	159	253
	USCG Island Alameda, CA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	8
	Vandenberg AFB, CA	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	14
Region 10	CGS North Bend, OR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Fairchild AFB, WA	-	21	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	5	-	1	12	42
	Mt Home AFB, ID	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	6	17
	NH Bremerton, WA	1	96	-	-	-	-	-	-	7	-	-	-	12	1	2	4	2	18	34	17	13	264	471
Total		1	1695	1	1	1	1	1	1	107	6	20	1	76	1	43	16	27	115	148	177	71	2155	4665

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

Map 1. Percentage of influenza positives by region for the 2014-2015 surveillance year through Week 8

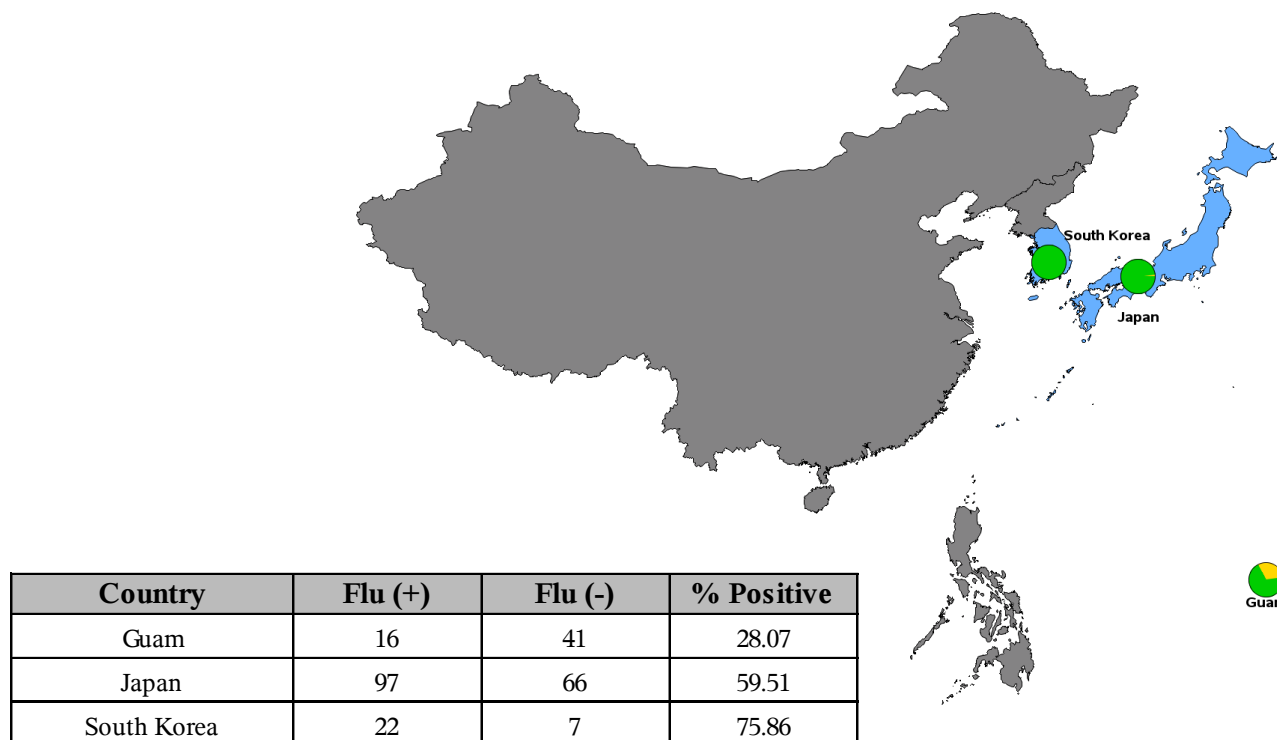


Region	Flu (+)	Flu (-)	% Positive
Region 1	45	64	41.28
Region 2	163	263	38.26
Region 3	43	52	45.26
Region 4	416	589	41.39
Region 5	37	81	31.36
Region 6	286	506	36.11
Region 7	122	202	37.65
Region 8	215	260	45.26
Region 9	143	316	31.15
Region 10	149	424	26.00

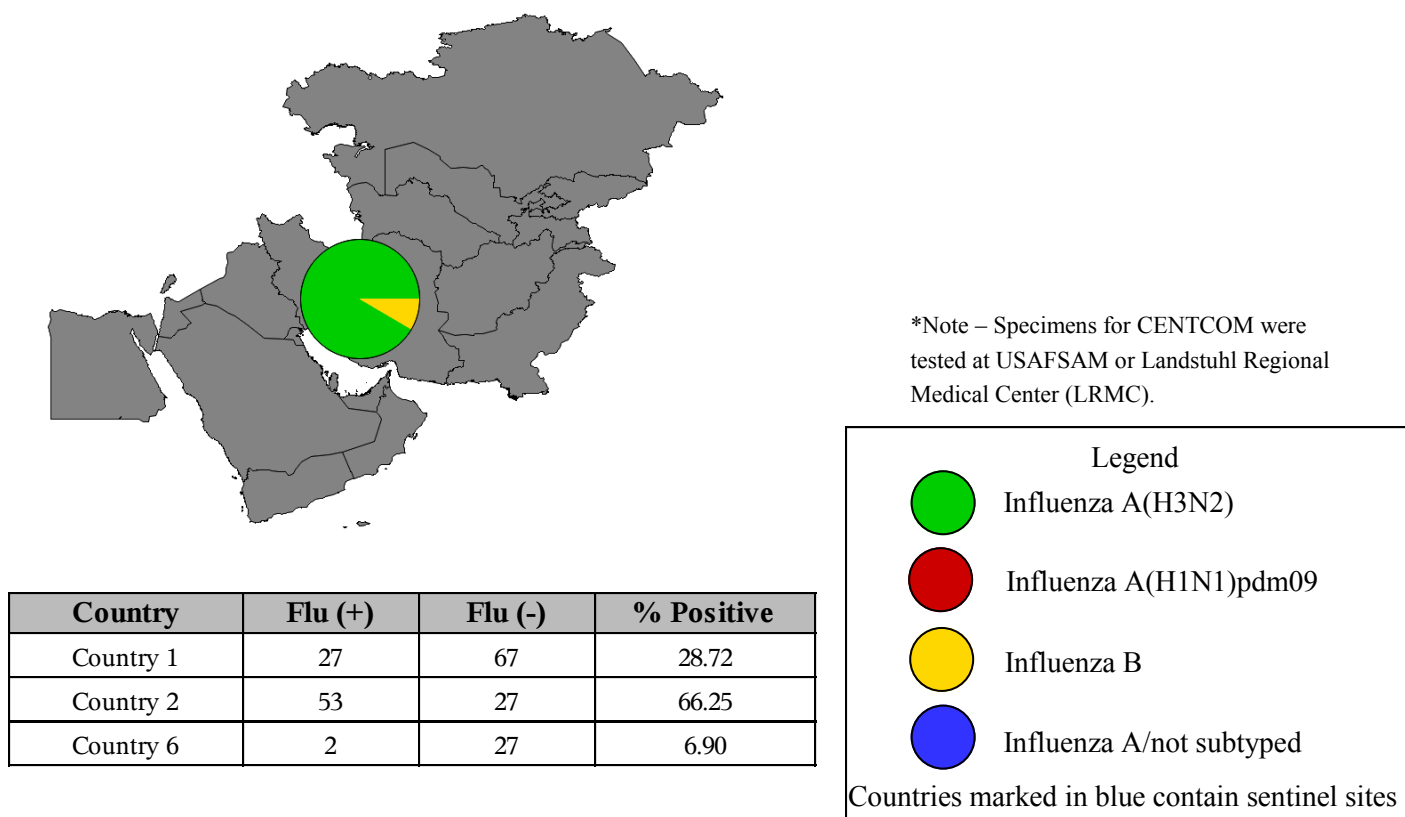


DoD Global, Laboratory-Based, Influenza Surveillance Program

Map 2. Percentage of influenza positives by country for the 2014-2015 surveillance year through Week 8 (Pacific)



Map 3. Percentage of influenza positives by country for the 2014-2015 surveillance year through Week 8 (CENTCOM)



Monthly EUCOM Respiratory Surveillance Supplemental Report Through 28 February 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 28 February 2015 unless otherwise indicated. Lab results are preliminary and may change as more results are received.

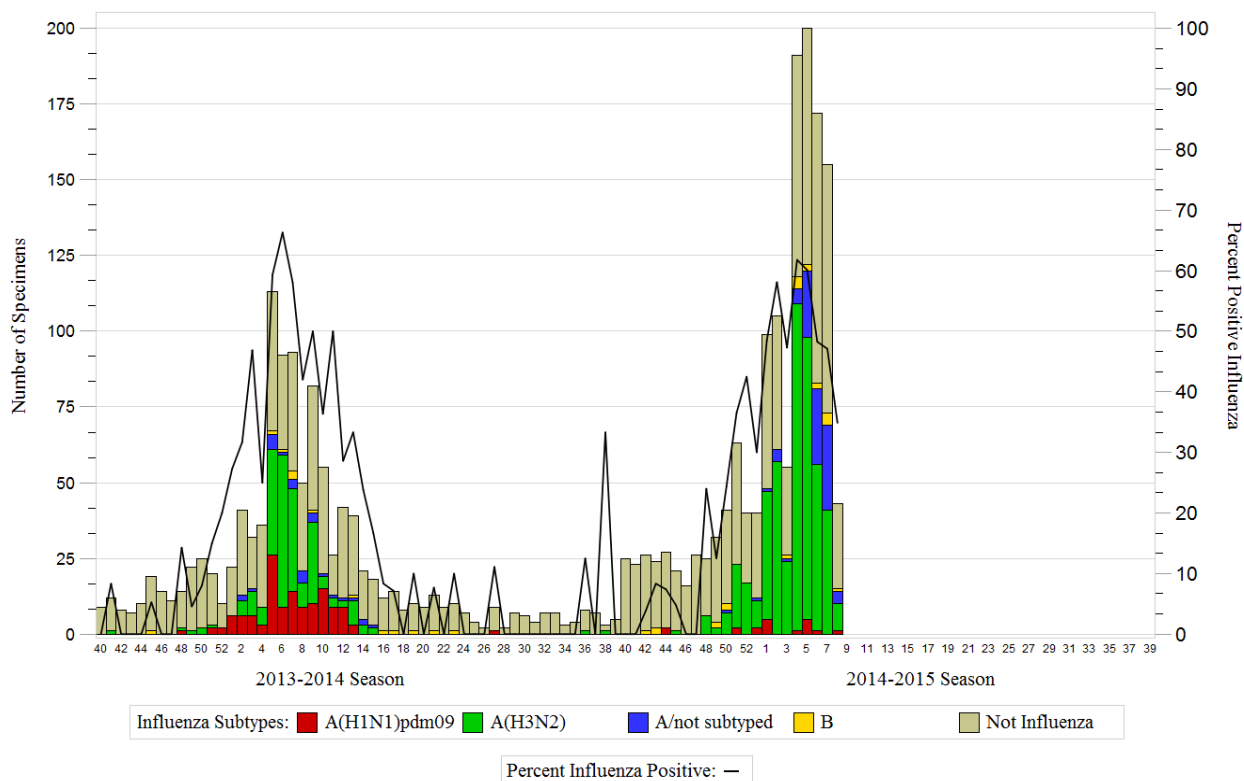
Table 4. Results by region and location for specimens collected and finalized during Week 7 & 8

Region		A(H3N2)	A/not subtyped	A/not subtyped & Rhino/Entero	A(H1N1)pdm0 & hMNV	A(H3N2) & hMNV & Rhino/Entero	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	Influenza A & B	B	hMNV	Parainfluenza	RSV	Rhinovirus/Enterovirus	Para & Rhino/Entero	RSV & Rhino/Entero	No Pathogen	Total
EUCOM	Aviano AB, Italy	-	5	-	-	-	-	-	-	1	-	-	-	-	-	-	2	8
	Landstuhl RMC, Germany	16	11	-	1	-	1	-	1	2	1	-	12	2	-	1	20	68
	NAVSTA Rota, Spain	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
	NSA Naples, Italy	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	3	5
	RAF Lakenheath, England	3	2	-	-	-	1	-	-	-	1	1	1	5	1	-	6	21
	Ramstein AB, Germany	6	3	1	-	-	-	-	-	-	-	-	4	1	-	-	1	16
	Spangdahlem AB, Germany	4	-	-	-	1	-	-	-	-	1	-	1	-	-	-	3	10
	USAG Grafenwoehr, Germany	1	9	-	-	-	-	-	-	-	-	-	1	-	-	-	11	22
	USAG Stuttgart, Germany	4	-	-	-	-	-	1	-	1	1	-	2	2	-	-	10	21
	USAG Vicenza, Italy	7	-	-	-	-	-	-	-	-	1	-	-	2	-	-	6	16
	Vilseck AHC, Germany	4	1	-	-	-	-	-	-	-	-	-	2	2	-	-	1	10
Total		46	31	1	1	1	2	1	1	5	5	1	24	14	1	1	64	199

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

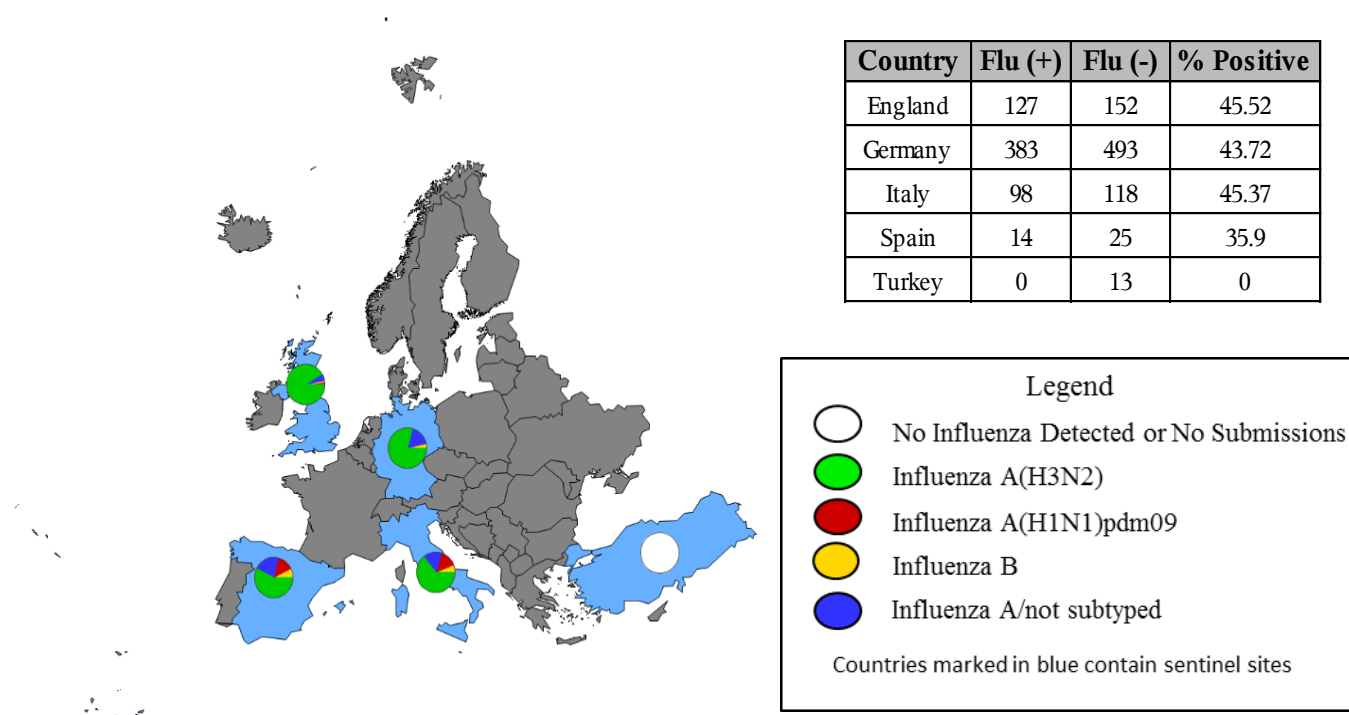
Region*		A(H1N1)pdm09	A(H3N2)	A/not subtyped	A/not subtyped & Rhino/Entero	A(H1N1)pdm09 & hMNV	A(H1N1)pdm09 & RSV	A(H3N2) & hMNV	A(H3N2) & hMNV & Rhino/Entero	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	Influenza A & B	B	B & RSV	B & Rhino/Entero	Adenovirus	hMNV	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & RSV	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	22	29	
EUCOM	Aviano AB, Italy	4	5	7	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	31	
	Incirlik AB, Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	1	2	-	1	-	-	-	-	-	5	13	
	Landstuhl RMC, Germany	-	97	20	1	1	-	-	-	2	-	1	5	-	-	-	-	4	7	36	31	1	4	2	-	1	1	8	112	334	
	NAS Sigonella, Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	
	NAVSTA Rota, Spain	2	8	3	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	1	4	-	-	-	-	-	-	-	18	39	
	NSA Naples, Italy	5	5	6	-	-	1	-	-	-	-	-	-	3	-	1	-	-	-	7	8	-	-	-	-	-	-	1	22	59	
	RAF Lakenheath, England	2	107	5	2	-	-	-	-	3	6	-	-	1	1	-	-	1	5	11	32	-	-	-	-	1	1	1	9	91	279
	Ramstein AB, Germany	-	54	5	1	-	-	-	-	-	2	-	-	-	-	1	-	-	2	14	15	-	1	-	-	-	2	1	21	119	
	Spangdahlem AB, Germany	-	18	2	-	-	-	-	1	-	2	-	-	-	-	-	1	3	1	7	4	-	-	-	-	-	-	-	22	61	
	USAG Grafenwoehr, Germany	-	26	26	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	3	-	-	-	-	-	-	-	39	98	
	USAG Stuttgart, Germany	-	47	8	-	-	-	-	-	1	2	-	1	-	-	-	-	1	5	5	9	-	-	-	-	-	-	1	62	142	
	USAG Vicenza, Italy	4	49	2	-	-	-	1	-	-	3	-	-	-	1	-	1	1	-	18	-	-	-	-	-	-	-	-	45	125	
Vilseck AHC, Germany	-	49	4	-	-	-	-	-	2	-	-	2	-	1	2	-	1	10	19	-	2	-	-	-	-	-	1	30	123		
Total		17	467	88	4	1	1	1	1	8	15	1	16	1	4	5	11	25	94	151	1	8	2	1	2	4	21	503	1453		

Graph 7. Percent influenza positive by week: 2013-2014 surveillance year and through Week 8 of the 2014-2015 surveillance year



Note: Five dual influenza co-infections have been excluded from the graph during the 2013-2014 season.

Map 4. Percentage of influenza positive by country for the 2014-15 surveillance year through Week 8 (Europe)



DoD Global Laboratory-Based Influenza Surveillance Program



USAF School of Aerospace Medicine

2014 - 2015

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



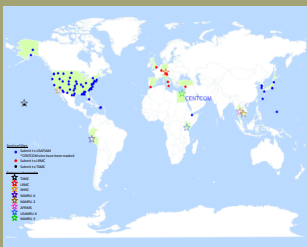
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Contributions to the CDC for National Influenza Surveillance

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)

[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.



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