



Cumulative Results

Locations	73
Collected	2,525
Tested	2,375

Influenza A 275

A(H1N1)pdm09	229
A(H1N1)pdm09 & B	1
A(H1N1)pdm09 & Parainfluenza	1
A(H3N2)	43
A & B	1

Influenza B* 138

Other Respiratory Pathogens 683

Adenovirus	100
<i>Bordetella pertussis</i>	1
<i>Chlamydomphila pneumoniae</i>	1
Coronavirus	72
Human Metapneumovirus	50
<i>Mycoplasma pneumoniae</i>	44
Parainfluenza	78
RSV	107
Rhino/Enterovirus	137
Non-influenza Viral Coinfections	79
Non-influenza Bacterial Coinfections	14
-C. pneumo coinfections (2)	
-C. pneumo & M. pneumo (1)	
-M. pneumo coinfections (7)	
-B. pertussis coinfections (4)	

Lab data are current as of 7 March 2016.
Results are preliminary and may change as
more results are received.
*Influenza B lineages will be reported in the
periodic molecular sequencing reports.

Respiratory Highlights

21 February - 5 March 2016 (Surveillance Weeks 8 & 9)

- During 21 February - 5 March 2016, a total of 443 specimens were collected and received from 53 locations. Results were finalized for 318 specimens from 48 locations. During Week 8, 51 influenza A(H1N1)pdm09, one dual influenza co-infection, 12 A(H3N2), and 44 influenza B viruses were identified. Thirty-five influenza A(H1N1)pdm09, six A(H3N2), and 20 influenza B viruses were identified during Week 9.
- The Food and Drug Administration's Vaccine and Related Biological Products Advisory Committee (VRBPAC) met on 4 March 2016. In agreement with the World Health Organization, VRBPAC concluded that influenza trivalent vaccines for use in the 2016-2017 Northern Hemisphere influenza season will contain:
 - A/California/7/2009 (H1N1)pdm09-like virus;
 - A/Hong Kong/4801/2014 (H3N2)-like virus;
 - B/Brisbane/60/2008-like virus.
- It is recommended that quadrivalent vaccines containing two influenza B viruses contain the above three viruses and a B/Phuket/3073/2013-like virus
- The DoD contributed 22% of the data used to influence this decision.

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DoD Global, Laboratory-Based, Influenza Surveillance Program

Table 1. Results by region and location for specimens collected during Weeks 8 & 9

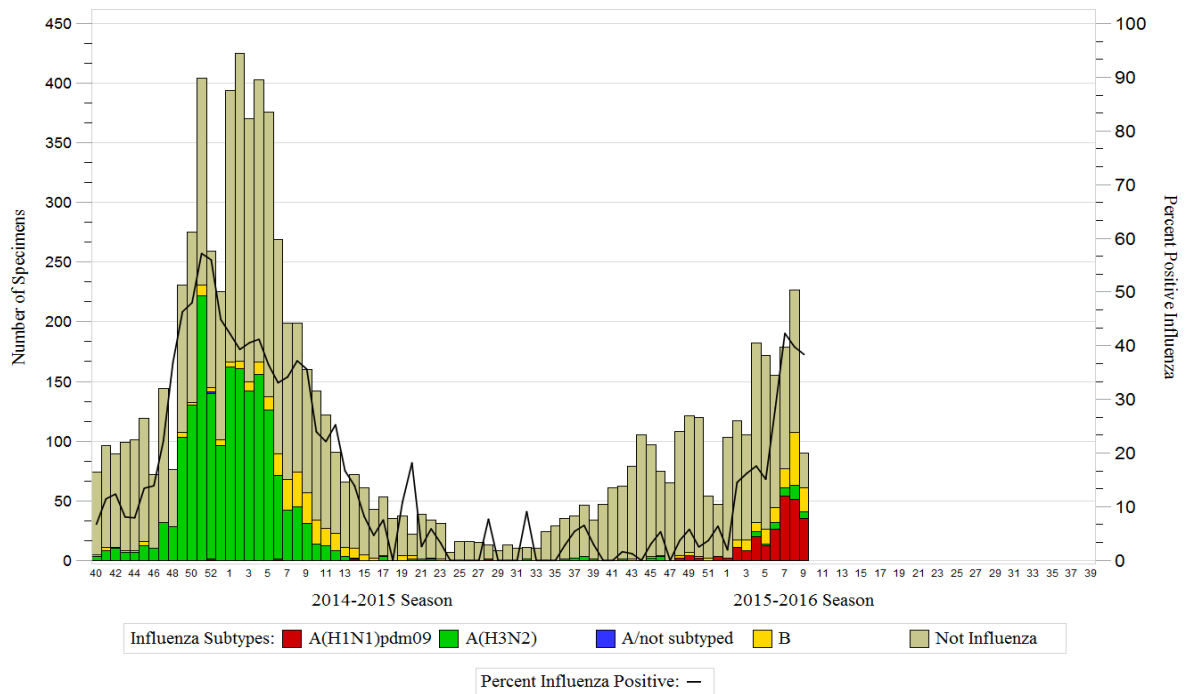
Region*		A(H1N1)pdm09	A(H3N2)	A(H1N1)pdm09 & B	B	Adenovirus	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & hMPV	Adeno & Para & RSV	Adeno & RSV & Rhino/Entero	B. pertussis & Adeno	hMPV & RSV	M. pneumoniae & Corona	Para & RSV	Para & Rhino/Entero	RSV & Rhino/Entero	No Pathogen	Total	
PACOM	Eielson AFB, AK	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	JB Elmendorf-Richardson, AK	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	Kadena AB, Japan	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	Yokota AB, Japan	2	2	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	9
Region 1	Hanscom AFB, MA	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	5
	NHCNE Newport, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Region 2	JB McGuire-Dix-Lakehurst, NJ	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2
	USMA - West Point, NY	15	1	-	2	1	1	1	-	-	2	1	-	-	-	-	-	-	-	-	-	-	12	36
Region 3	Dover AFB, DE	3	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6
	JB Andrews, MD	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5
	JB Langley-Eustis, VA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
	NMC Portsmouth, VA	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
Region 4	CGS Mobile, AL	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Columbus AFB, MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Eglin AFB, FL	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5
	Ft Bragg, NC	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5
	Ft Campbell, KY	5	1	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10
	Hurlburt Field, FL	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	6
	JB Charleston (AF), SC	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Maxwell AFB, AL	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6
	Moody AFB, GA	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5
	Robins AFB, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Seymour Johnson AFB, NC	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Shaw AFB, SC	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Region 5	Scott AFB, IL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Wright-Patterson AFB, OH	3	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	2	8
Region 6	Altus AFB, OK	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-	1	-	1	6
	Cannon AFB, NM	1	-	1	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	10
	Laughlin AFB, TX	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3
	Little Rock AFB, AR	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4
	Sheppard AFB, TX	-	-	-	8	1	1	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	4	18
	Tinker AFB, OK	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4
	Vance AFB, OK	1	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Region 7	McConnell AFB, KS	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	Offutt AFB, NE	2	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	10
Region 8	Ellsworth AFB, SD	1	-	-	-	-	-	2	-	1	1	-	-	-	1	-	-	-	-	-	-	-	1	7
	FE Warren AFB, WY	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6
	Hill AFB, UT	8	-	-	11	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	25
	Minot AFB, ND	1	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	6
	Peterson AFB, CO	1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	4
Region 9	USAF Academy, CO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Beale AFB, CA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Davis-Monthan AFB, AZ	1	1	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	5
	Luke AFB, AZ	5	7	-	6	-	-	2	-	-	6	1	-	1	-	-	1	-	1	-	1	3	34	
	Nellis AFB, NV	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	5	7
Region 10	Travis AFB, CA	5	1	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	10
	Fairchild AFB, WA	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Region 10	NH Bremerton, WA	5	1	-	7	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1	17
	Total	86	18	1	64	5	10	14	3	2	19	10	1	1	1	1	1	1	1	1	2	76	318	

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

DoD Global, Laboratory-Based, Influenza Surveillance Program

Laboratory Results - Cumulative for Season

Graph 1. Percent influenza positive by week: 2014-2015 surveillance year and through Week 9 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.

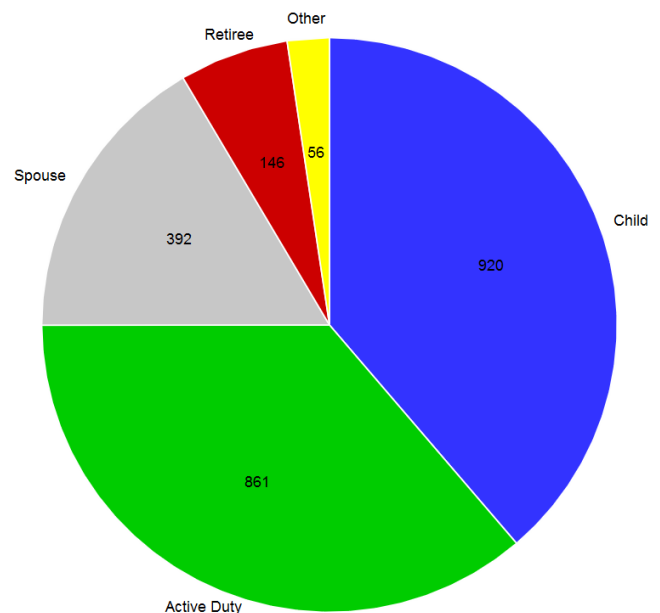
Table 2. ILI by age group for the 2015-2016 surveillance year through Week 9

Age Group	Frequency	Percent
0-5	558	23.49
6-9	154	6.48
10-17	211	8.88
18-24	347	14.61
25-44	791	33.31
45-64	255	10.74
65+	59	2.48

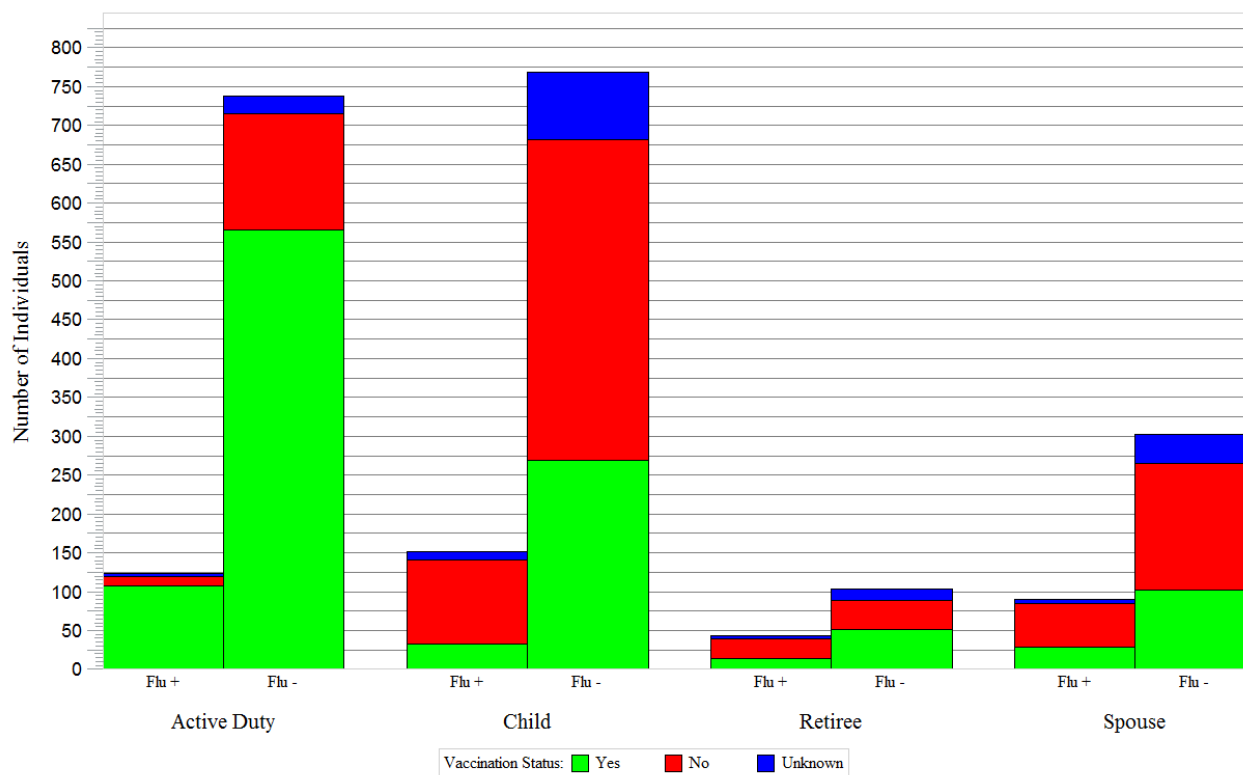
Demographic Summary

Of 2,375 ILI cases, 861 are service members (36.3%), 920 are children (38.7%), 392 are spouses (16.5%), and 202 (8.5%) are retirees and other beneficiaries. The median age of ILI cases with known age (n 2,375) is 23 (range 0, 95).

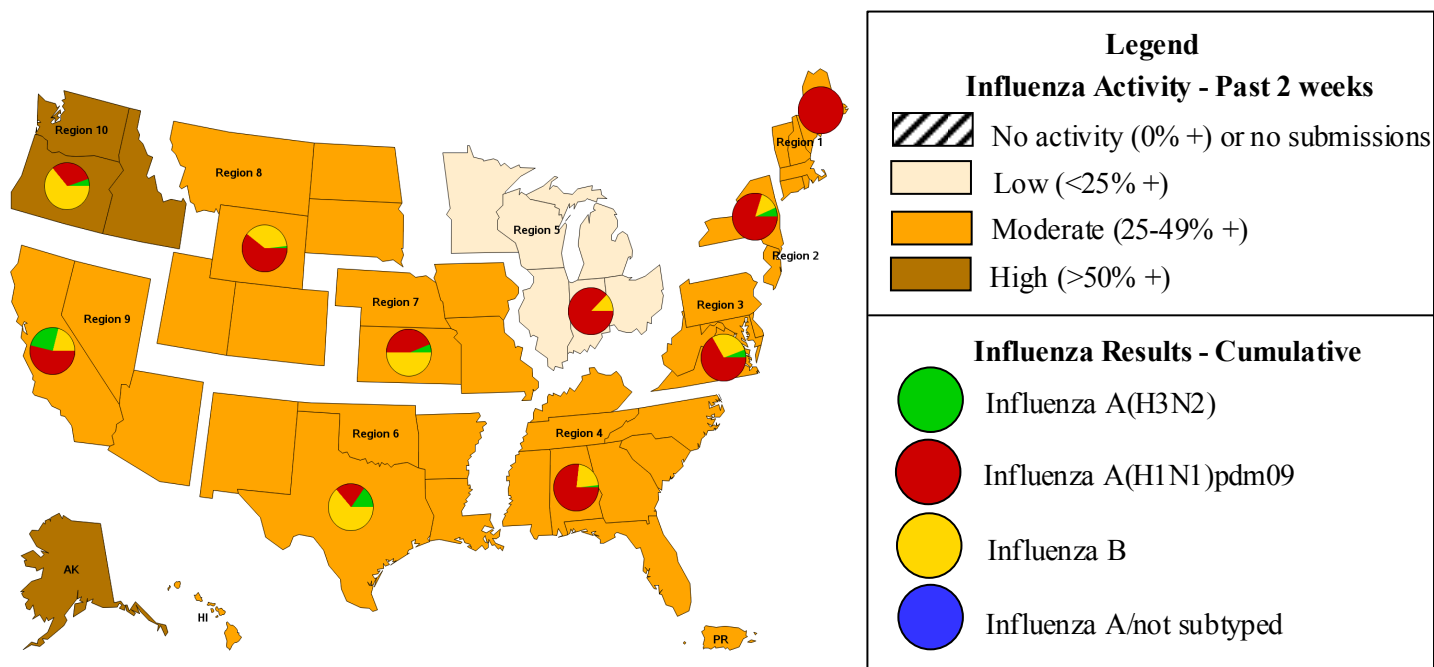
Graph 2. ILI by beneficiary status for the 2015-2016 surveillance year through Week 9



Graph 3. Vaccination status by beneficiary type for the 2015-2016 surveillance year through Week 9

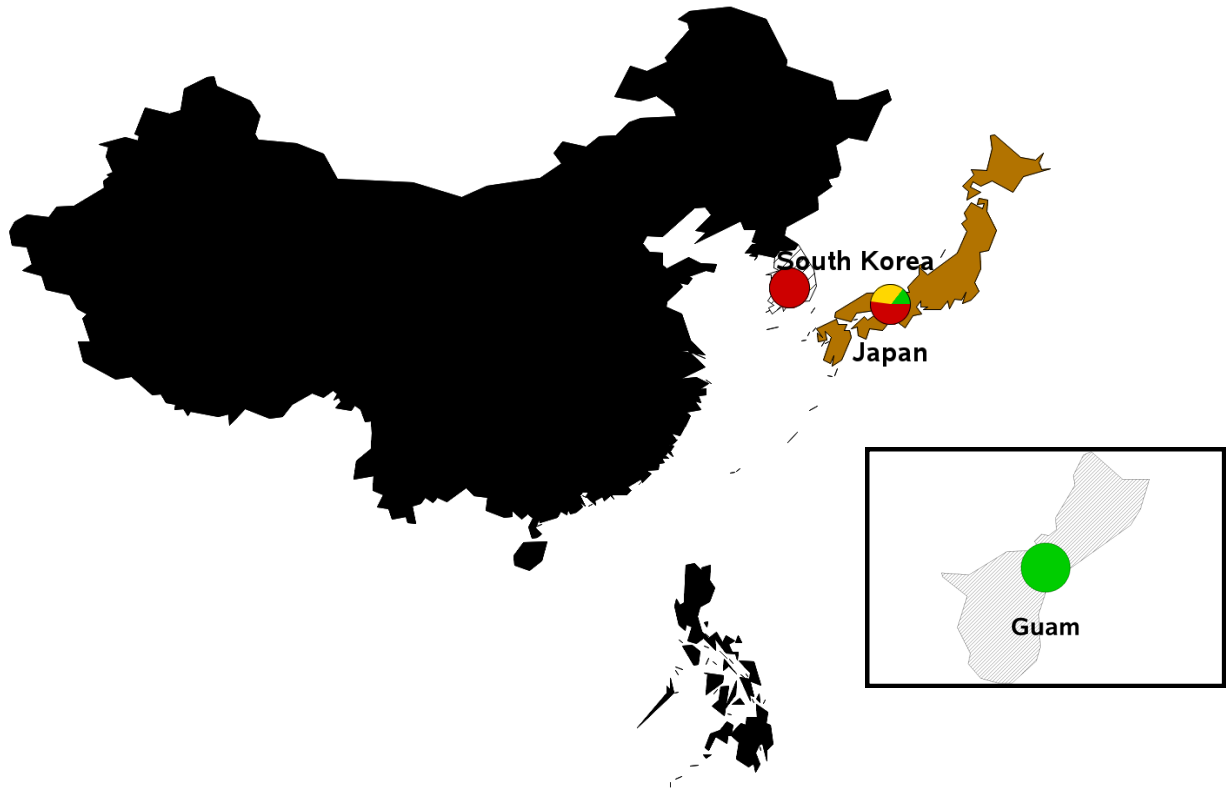


Map 1. Influenza subtypes and activity level by region for the 2015-2016 surveillance year through Week 9

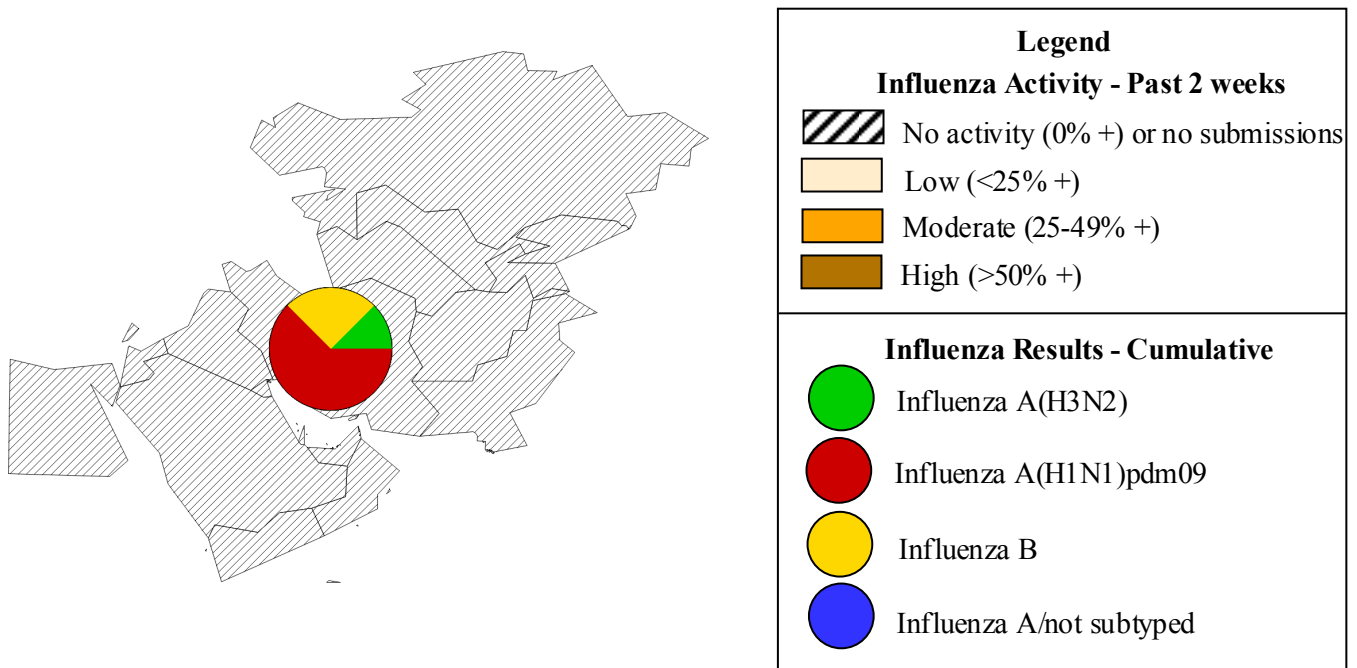


Note: Due to the receipt of a small number of specimens from Region 1 that subsequently tested positive for influenza, flu activity level appears inflated.

Map 2. Influenza subtypes and activity level by country for the 2015-2016 surveillance year through Week 9 (Pacific)*



Map 3. Influenza subtypes and activity level for CENTCOM for the 2015-2016 surveillance year through Week 9



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

*Due to the receipt of a small number of specimens from these areas that subsequently tested positive for influenza, flu activity level appears inflated.

DoD Global, Laboratory-Based, Influenza Surveillance Program

Laboratory Results—Through Current Surveillance Week 9

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

		A(H1N1)pdm09	A(H3N2)	A(H1N1)pdm09 & B	A(H1N1)pdm09 & Para Influenza A & B	B	Adenovirus	B. pertussis	C. pneumoniae	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Viral Confection	Non-Influenza Bacterial Confection	No Pathogen	Total
Region*																			
Deployed	Country 2, Location A	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	12
PACOM	CFA Okinawa, Japan	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6
	Eielson AFB, AK	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6
	JB Elmendorf-Richardson, AK	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	4	6
	JR Marianas - Andersen AFB, Guam	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	4
	Kadena AB, Japan	-	1	-	-	-	-	-	-	2	-	3	-	-	2	-	-	16	24
	Misawa AB, Japan	2	-	-	-	-	-	-	-	-	-	-	-	1	3	-	4	4	10
	Osan AB, South Korea	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6
	Yokota AB, Japan	12	2	-	-	9	4	-	-	4	-	2	2	2	2	1	-	19	57
Region 1	Hanscom AFB, MA	3	-	-	-	-	4	-	-	-	-	-	2	1	-	2	-	18	30
	NHCNE Newport, RI	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	9	12
	USCG Academy, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
Region 2	Ft Drum, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	5
	JB McGuire-Dix-Lakehurst, NJ	2	-	-	-	-	1	-	-	1	3	-	-	-	5	3	1	16	32
	USMA - West Point, NY	21	2	-	1	-	4	13	-	8	6	3	3	9	4	3	2	93	172
Region 3	Dover AFB, DE	5	-	-	-	-	1	-	1	2	-	1	1	-	1	-	-	43	55
	JB Anacostia-Bolling, DC	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2
	JB Andrews, MD	4	-	-	-	3	2	-	-	1	1	-	1	-	-	-	-	7	19
	JB Langley-Eustis, VA	1	-	-	-	-	5	-	-	4	3	-	3	8	4	1	1	13	43
Region 4	NCRM - Walter Reed NMMC, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	NMC Portsmouth, VA	2	1	-	-	2	4	-	1	-	5	1	2	2	-	1	21	42	
	CGS Mobile, AL	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
	Columbus AFB, MS	1	-	-	-	-	1	-	1	-	-	-	-	1	2	-	-	16	22
	Eglin AFB, FL	3	-	-	-	-	6	-	-	1	1	4	7	5	1	-	50	78	
	Ft Bragg, NC	1	-	-	-	3	3	-	3	1	1	-	3	1	-	1	26	43	
	Ft Campbell, KY	7	1	-	-	4	1	-	3	2	-	2	1	3	-	-	31	55	
	Hurlburt Field, FL	2	-	-	-	1	1	-	-	1	2	-	1	-	2	-	19	29	
	JB Charleston (AF), SC	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
	Keesler AFB, MS	-	-	-	-	-	-	-	-	-	-	1	-	2	1	-	24	28	
	MacDill AFB, FL	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	1	4	
	Maxwell AFB, AL	10	-	-	-	-	3	-	-	-	-	1	2	3	1	-	37	57	
	Moody AFB, GA	6	-	-	-	4	7	-	-	1	1	2	2	5	9	5	-	21	63
	NH Beaufort, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	NH Camp Lejeune, NC	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	4	7
	NH Jacksonville, FL	-	-	-	-	-	3	-	-	-	-	-	-	1	-	-	-	7	11
	Patrick AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Robins AFB, GA	4	-	-	-	-	-	-	-	-	-	2	1	1	-	-	-	13	21
	Seymour Johnson AFB, NC	4	-	-	-	-	2	-	1	-	-	-	-	-	2	1	1	10	21
	Shaw AFB, SC	1	-	-	-	-	-	-	-	4	-	4	-	-	4	1	1	11	26
	Tyndall AFB, FL	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	4
Region 5	Scott AFB, IL	2	-	-	-	1	2	-	-	-	-	1	-	1	-	-	-	17	24
	Wright-Patterson AFB, OH	5	-	-	-	-	2	-	-	-	1	1	1	3	-	-	-	17	30
Region 6	Altus AFB, OK	2	-	-	-	-	4	-	3	3	-	3	9	5	5	-	-	48	82
	Barksdale AFB, LA	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	4
	Cannon AFB, NM	1	-	1	-	6	1	-	2	1	-	-	-	2	-	-	-	19	33
	Laughlin AFB, TX	-	5	-	-	2	1	-	1	-	-	-	2	-	-	-	-	6	17
	Little Rock AFB, AR	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	14	17
	Sheppard AFB, TX	2	-	-	-	10	4	-	3	2	3	1	5	8	3	-	-	64	105
	Tinker AFB, OK	-	-	-	-	2	6	-	1	-	1	5	7	5	6	1	36	70	
	Vance AFB, OK	1	-	-	-	1	2	-	-	-	2	-	1	-	1	-	-	39	47
Region 7	Ft Leavenworth, KS	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	9	11
	McConnell AFB, KS	1	-	-	-	4	1	-	1	-	2	2	-	7	-	1	31	50	
	Offutt AFB, NE	6	1	-	-	3	2	-	1	1	3	-	1	-	-	-	-	40	58
	Ellsworth AFB, SD	6	-	-	-	-	1	-	1	3	1	7	1	-	5	-	-	26	51
Region 8	FE Warren AFB, WY	3	1	-	-	-	1	-	3	2	1	3	6	2	2	-	-	25	49
	Hill AFB, UT	16	-	-	-	21	1	-	2	3	1	-	1	9	-	1	72	127	
	Malmstrom AFB, MT	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2
	Minot AFB, ND	7	-	-	-	-	-	-	2	1	-	1	-	2	1	-	-	10	24
	Peterson AFB, CO	3	-	-	-	1	1	1	-	4	-	-	-	1	4	3	-	25	43
	USAF Academy, CO	-	-	-	-	-	-	-	-	-	-	-	4	-	1	-	-	11	16
Region 9	Beale AFB, CA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Davis-Monthan AFB, AZ	3	6	-	-	1	-	-	4	-	-	-	-	-	1	1	-	9	25
	Edwards AFB, CA	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	7	11
	Luke AFB, AZ	14	11	-	-	10	-	-	-	4	-	-	7	1	9	-	-	20	76
	NH Twentynine Palms, CA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Nellis AFB, NV	16	2	-	-	2	6	-	3	-	-	7	4	8	8	-	-	61	117
	Travis AFB, CA	13	4	-	-	5	2	-	2	9	1	5	5	9	5	-	-	37	97
Region 10	USCG Island Alameda, CA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
	Vandenberg AFB, CA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9
	Fairchild AFB, WA	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	4	7
	JB Lewis-McChord, WA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Mt Home AFB, ID	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	7	8
Region 9	NH Bremerton, WA	16	2	-	-	33	3	-	2	-	2	10	5	8	8	1	43	133	2375
	Total	229	43	1	1	1	138	100	1	1	72	50	44	78	107	137	79	14	1279

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

Monthly EUCOM Respiratory Surveillance Supplemental Report Through 5 March 2016

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.

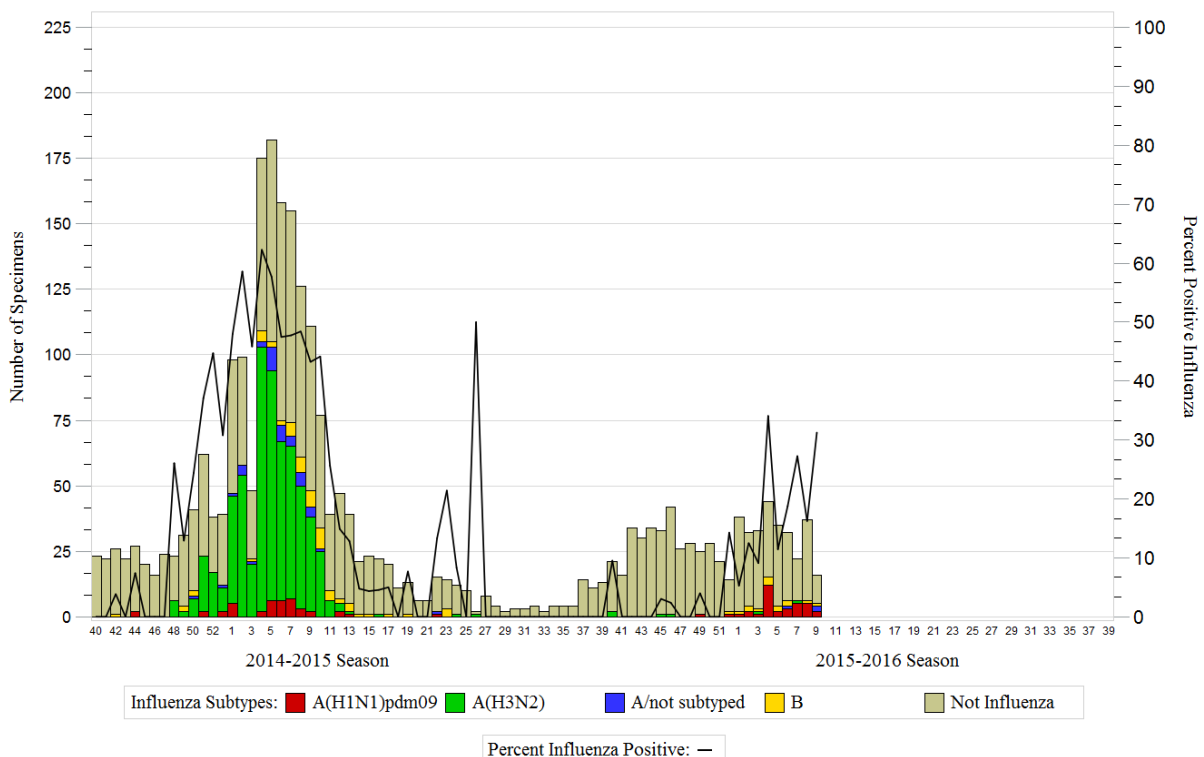
Table 4. Results by region and location for specimens collected and finalized during Weeks 6-9

Region		A(H1N1)pdm09	A/not subtyped	A(H1N1)pdm09 & hMNV	A(H1N1)pdm09 & Rhino/Entero	B	Adenovirus	hMNV	RSV	Rhinovirus/Enterovirus	Adeno & RSV	Adeno & Rhino/Entero	hMNV & Para	RSV & Rhino/Entero	No Pathogen	Total
EUCOM	Incirlik AB, Turkey	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
	Landstuhl RMC, Germany	3	1	-	1	-	1	-	3	1	-	-	-	1	11	22
	NSA Naples, Italy	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
	RAF Lakenheath, England	1	-	1	-	-	-	1	-	-	-	-	-	-	1	4
	Ramstein AB, Germany	-	-	-	-	-	-	1	1	-	-	-	-	-	5	7
	USAG Stuttgart, Germany	-	1	-	-	-	-	-	1	-	-	-	-	-	5	7
	Vilseck AHC, Germany	1	-	-	-	2	-	1	1	1	1	1	1	-	2	11
Total		5	2	1	1	2	1	4	7	2	1	1	1	1	24	53

Table 5. Cumulative results by region and location for specimens collected during the 2015-2016 surveillance year

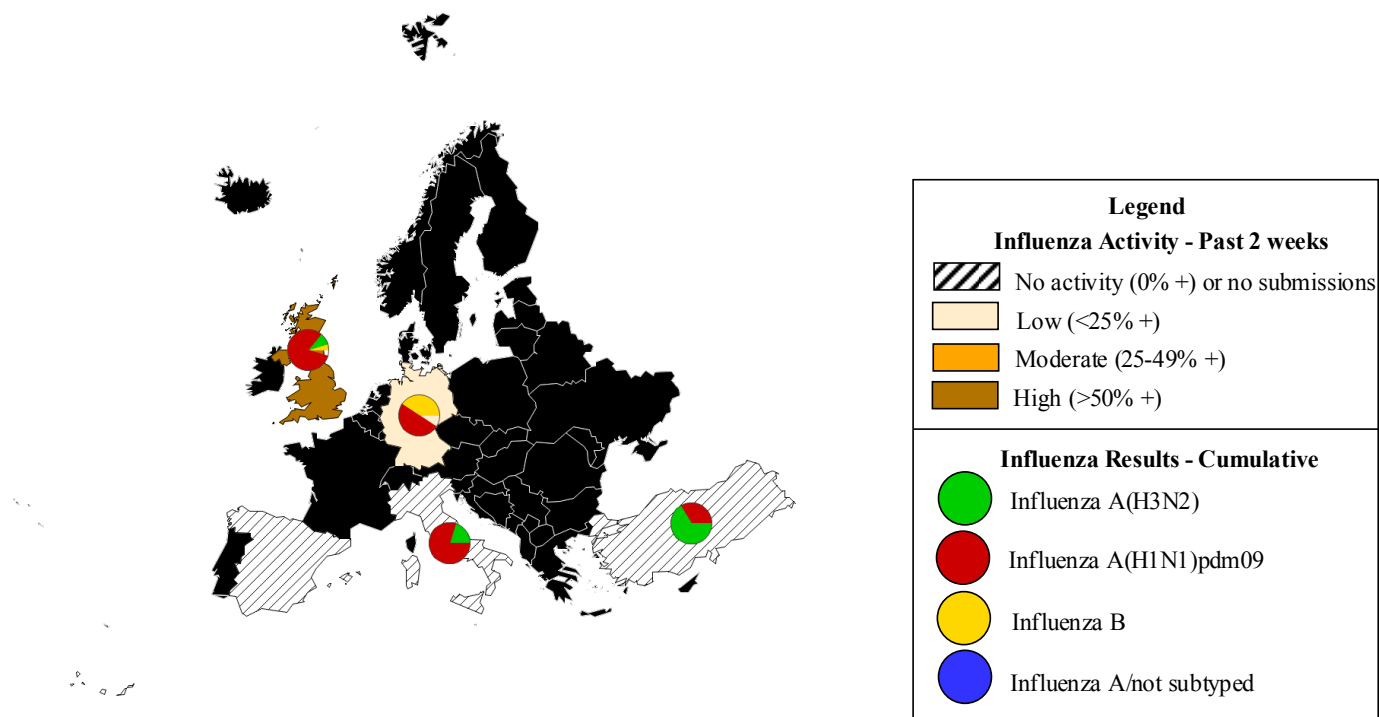
Region		A(H1N1)pdm09	A(H3N2)	A/not subtyped	A(H1N1)pdm09 & hMNV	A(H1N1)pdm09 & Rhino/Entero	A(H3N2) & Rhino/Entero	B	B & Rhino/Entero	Adenovirus	hMNV	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & RSV	Adeno & Rhino/Entero	hMNV & Para	hMNV & Rhino/Entero	Para & Rhino/Entero	RSV & Rhino/Entero	No Pathogen	Total
Deployed	Country 2, Location A	1	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	2	7
	Country 6, Location A	1	1	-	-	-	-	-	-	-	-	1	-	8	-	-	-	-	-	-	14	25
EUCOM	Aviano AB, Italy	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7
	Incirlik AB, Turkey	-	1	-	-	1	1	-	-	-	5	1	7	5	-	-	-	-	-	-	7	28
	Landstuhl RMC, Germany	3	-	1	-	1	-	3	-	3	3	7	11	20	-	-	-	-	3	1	81	137
	NAVSTA Rota, Spain	-	-	-	-	-	-	-	-	-	1	3	1	4	-	-	-	-	-	-	9	18
	NSA Naples, Italy	1	-	-	-	-	-	-	-	-	2	1	1	3	-	-	-	-	-	-	12	20
	RAF Lakenheath, England	14	2	1	2	1	-	1	-	3	7	9	23	47	-	-	-	1	3	19	80	213
	Ramstein AB, Germany	1	-	-	-	-	-	3	-	1	2	2	2	10	-	-	-	-	-	1	21	43
	Spangdahlem AB, Germany	-	-	-	-	-	-	-	1	-	1	-	-	1	-	-	-	1	-	-	3	7
	USAG Stuttgart, Germany	4	-	1	-	-	-	-	-	1	6	3	4	13	-	-	-	-	1	-	30	63
	USAG Vicenza, Italy	1	-	-	-	-	-	-	-	-	1	-	1	5	-	-	-	-	-	-	6	14
	Vilseck AHC, Germany	1	-	-	-	1	-	2	-	-	4	6	7	10	1	2	1	2	3	1	18	59
Total		29	5	3	2	4	1	13	1	8	32	33	57	126	1	2	1	5	9	22	287	641

Graph 4. Percent influenza positive by week: 2014-2015 surveillance year and through Week 9 of the 2015-2016 surveillance year



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

Map 4. Influenza subtypes and activity level by country for the 2015-2016 surveillance year through Week 9 (Europe)



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.

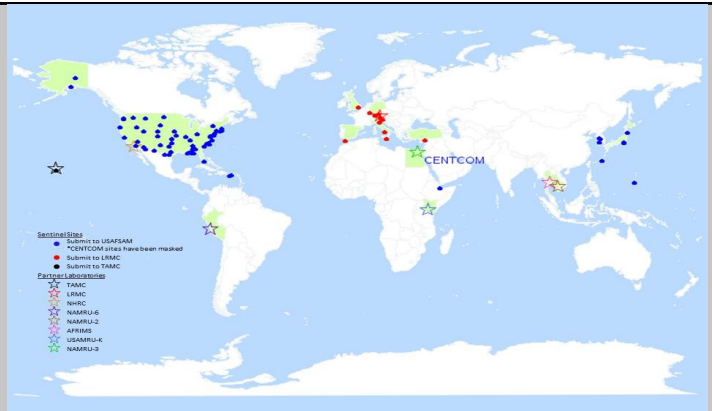
For an expanded view of this report, visit our website. Also available on the website is a list of previous weekly surveillance reports, program information (including an educational briefing and instruction pamphlets for clinic staff), and an overview of historical data. Please visit the AFHSC/GEIS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

Errata:

DoD Global, Laboratory-Based, Influenza Surveillance Program

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

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



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.

