



Cumulative Results

Locations	80
Collected	5,084
Tested	5,012

Influenza A 1,368

A(H1N1)pdm09	23
A(H1N1)pdm09 & Influenza B	1
A(H3N2)	1,337
A(H3N2) & Influenza B	3
A(H3N2) & Coronavirus & RSV	1
A(H3N2) & RSV	1
A/not subtyped	1
A/not subtyped & Rhino/Enterovirus	1

Influenza B* 424

B	423
B & Human Metapneumovirus & Rhino/Enterovirus	1

Other Respiratory Pathogens 1,067

Adenovirus	67
<i>Bordetella pertussis</i>	0
<i>Chlamydomydia pneumoniae</i>	5
Coronavirus	119
Human Metapneumovirus	88
<i>Mycoplasma pneumoniae</i>	37
Parainfluenza	174
RSV	174
Rhinovirus/Enterovirus	268
Non-influenza Viral Coinfections	127
Non-influenza Bacterial Coinfections	8
- <i>M. pneumo</i> coinfections (8)	

Results are preliminary and may change as more results are finalized.
*Influenza B lineages and specimens submitted for sequencing only will be reported in the periodic molecular sequencing reports.

Respiratory Highlights

16 - 29 April 2017 (Surveillance Weeks 16 & 17)

- During 16 - 29 April 2017, a total of 126 specimens were collected and received from 35 locations. Results were finalized for 109 specimens from 34 locations. During Week 16, five influenza A(H3N2) and 17 influenza B viruses were identified. During Week 17, three influenza A(H3N2) and six influenza B viruses were identified. Approximately 29% of specimens tested positive for influenza during Week 16. Approximately 20% of specimens tested positive for influenza during Week 17. The influenza percent positive for the season is currently 36%.
- According to CDC FluView, during Week 16, influenza activity continued to decrease in the United States. The proportion of outpatient visits for influenza-like illness was below the national baseline for the second week in a row since peak season. Six influenza pediatric deaths were reported in Week 16, increasing the season's total to 83. (CDC, [Flu View Report Week 16](#), cited 2 May 2017).
- One influenza A(H3N2) variant (H3N2v) virus was detected during Week 17 from a specimen submitted to the sequencing team at the USAF School of Aerospace Medicine. The specimen was forwarded to the CDC who confirmed the presence of an H3N2v virus using RT-PCR. The specimen came from a beneficiary who sought care at a military treatment facility in Texas for respiratory illness in February 2017 and reported swine contact at an agricultural event during the week before illness onset. The patient was not hospitalized and has fully recovered. This is the first case of H3N2v infection identified in the United States for the 2016-17 season. Further genetic characterization of the virus is in progress and will be described in a future molecular sequencing report. Additional information about variant influenza is available here: <http://www.cdc.gov/flu/swineflu/index.htm>.

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DoD Global, Laboratory-Based, Influenza Surveillance Program

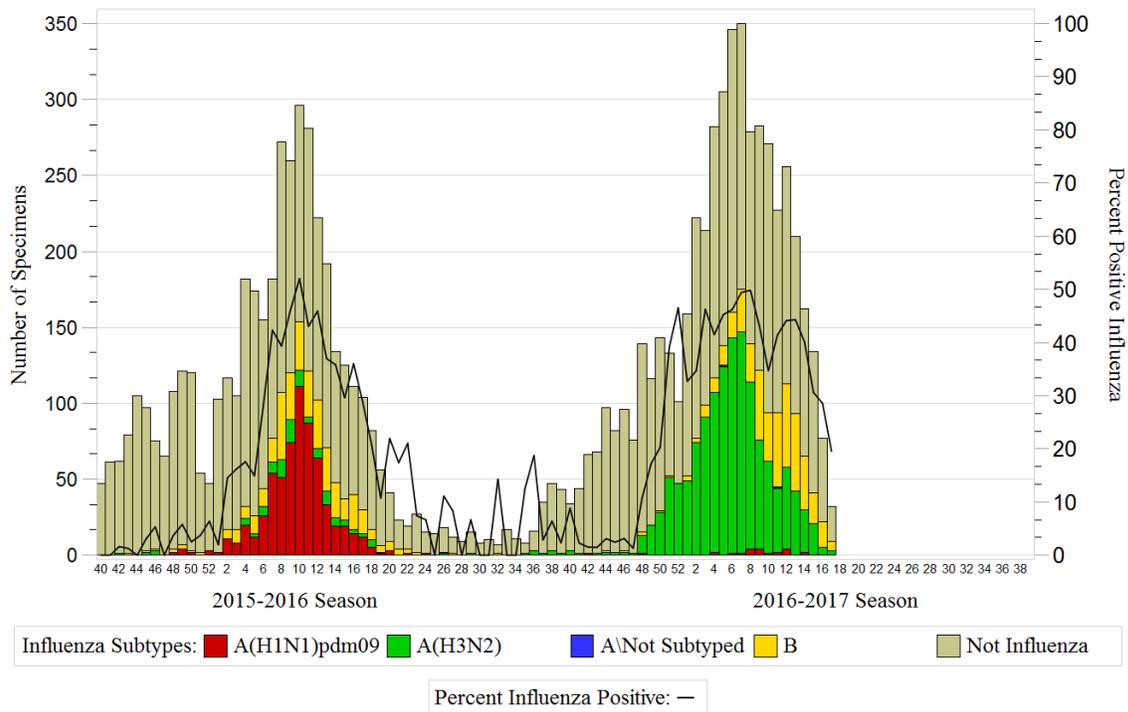
Table 1. Finalized results by region and location for specimens collected during Weeks 16 & 17

Region*		A(H3N2)	B	Adenovirus	Coronavirus	hMPV	<i>M. pneumoniae</i>	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & Rhino/Entero	hMPV & Para	Para & Rhino/Entero	No Pathogen	Total
PACOM	Eielson AFB, AK	-	-	-	-	-	-	-	-	-	1	-	-	-	1
	JB Elmendorf-Richardson, AK	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Yokota AB, Japan	-	-	-	-	-	-	-	-	-	-	1	-	1	2
Region 2	Ft Drum, NY	-	2	1	-	1	-	-	-	1	-	-	-	-	5
	JB McGuire-Dix-Lakehurst, NJ	-	1	-	-	-	-	-	-	-	-	-	-	1	2
	USMA - West Point, NY	-	2	-	-	-	-	-	-	1	-	-	-	5	8
Region 3	Dover AFB, DE	-	-	-	-	-	-	-	-	1	-	-	-	-	1
	JB Langley-Eustis, VA	-	1	-	1	-	-	-	-	1	-	-	1	2	6
Region 4	Columbus AFB, MS	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Eglin AFB, FL	-	-	-	-	-	-	-	-	1	-	-	-	2	3
	Ft Bragg, NC	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Hurlburt Field, FL	-	1	-	-	-	-	-	-	1	-	-	-	1	3
	Keesler AFB, MS	-	-	-	-	-	-	1	-	1	-	-	-	-	2
	Moody AFB, GA	4	5	-	-	1	1	3	1	5	-	-	-	3	23
	NH Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Robins AFB, GA	-	1	-	-	-	-	1	-	1	-	-	-	-	3
	Shaw AFB, SC	1	1	-	1	-	-	2	-	1	-	-	-	5	11
Region 5	Scott AFB, IL	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Wright-Patterson AFB, OH	-	-	-	-	-	-	-	-	-	-	-	-	3	3
Region 6	Altus AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Cannon AFB, NM	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Sheppard AFB, TX	-	-	-	-	1	1	-	-	-	-	-	-	-	2
	Tinker AFB, OK	-	1	-	-	-	-	-	-	3	-	-	-	-	4
Region 7	McConnell AFB, KS	-	1	-	-	-	-	-	-	1	-	-	-	1	3
	Offutt AFB, NE	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Region 8	Ellsworth AFB, SD	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	FE Warren AFB, WY	1	1	-	-	-	-	-	-	-	-	-	-	-	2
	Minot AFB, ND	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Peterson AFB, CO	-	-	-	-	-	-	-	2	-	-	-	-	-	2
Region 9	Davis-Monthan AFB, AZ	-	2	-	-	1	-	-	-	-	-	-	-	2	5
	Luke AFB, AZ	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Nellis AFB, NV	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Travis AFB, CA	1	1	1	-	-	-	-	-	1	-	-	-	-	4
Region 10	Fairchild AFB, WA	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Total		8	23	2	2	4	2	7	3	19	1	1	1	36	109

*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: 2015-2016 surveillance year and through Week 17 of the 2016-2017 surveillance year



Note: Dual influenza coinfections 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.

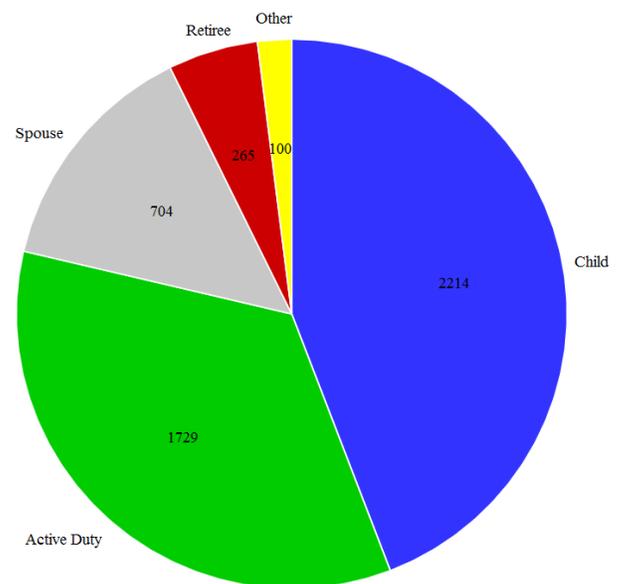
Table 2. ILI by age group for the 2016-2017 surveillance year through Week 17

Age Group	Frequency	Percent
0-5	1140	22.74
6-9	472	9.42
10-17	609	12.15
18-24	677	13.51
25-44	1525	30.43
45-64	486	9.70
65+	103	2.05

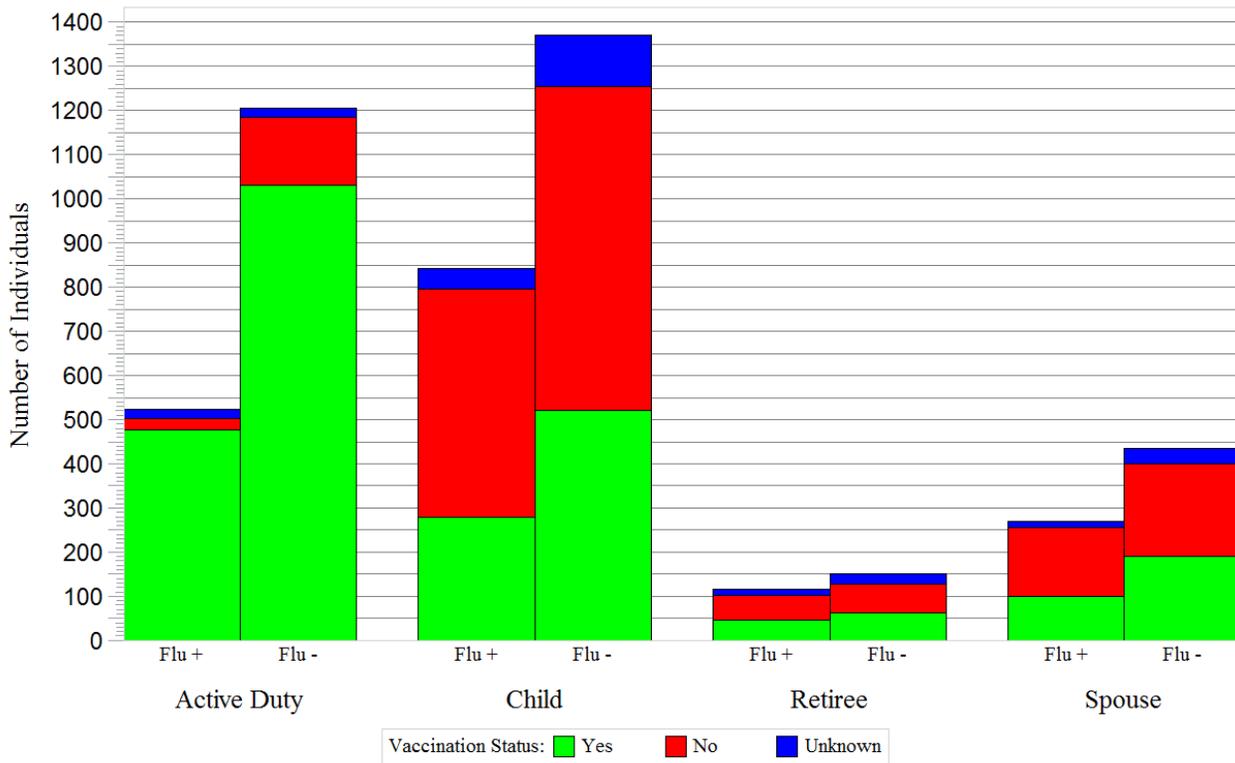
Demographic Summary

Of 5,012 ILI cases, 1,729 are service members (34.5%), 2,214 are children (44.2%), 704 are spouses (14.0%), and 365 (7.3%) are retirees and other beneficiaries. The median age of ILI cases with known age (n=5,012) is 21 (range 0, 96).

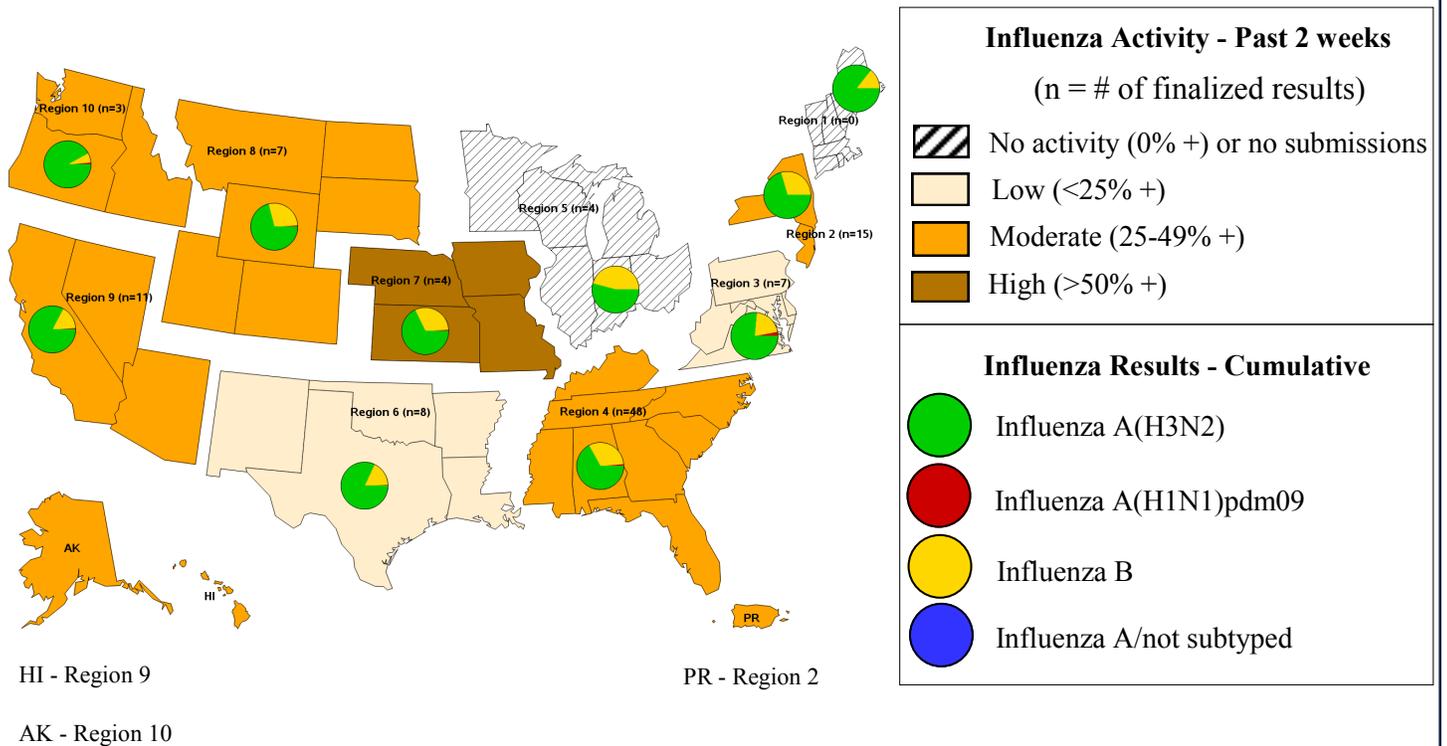
Graph 2. ILI by beneficiary status for the 2016-2017 surveillance year through Week 17



Graph 3. Vaccination status by beneficiary type for the 2016-2017 surveillance year through Week 17

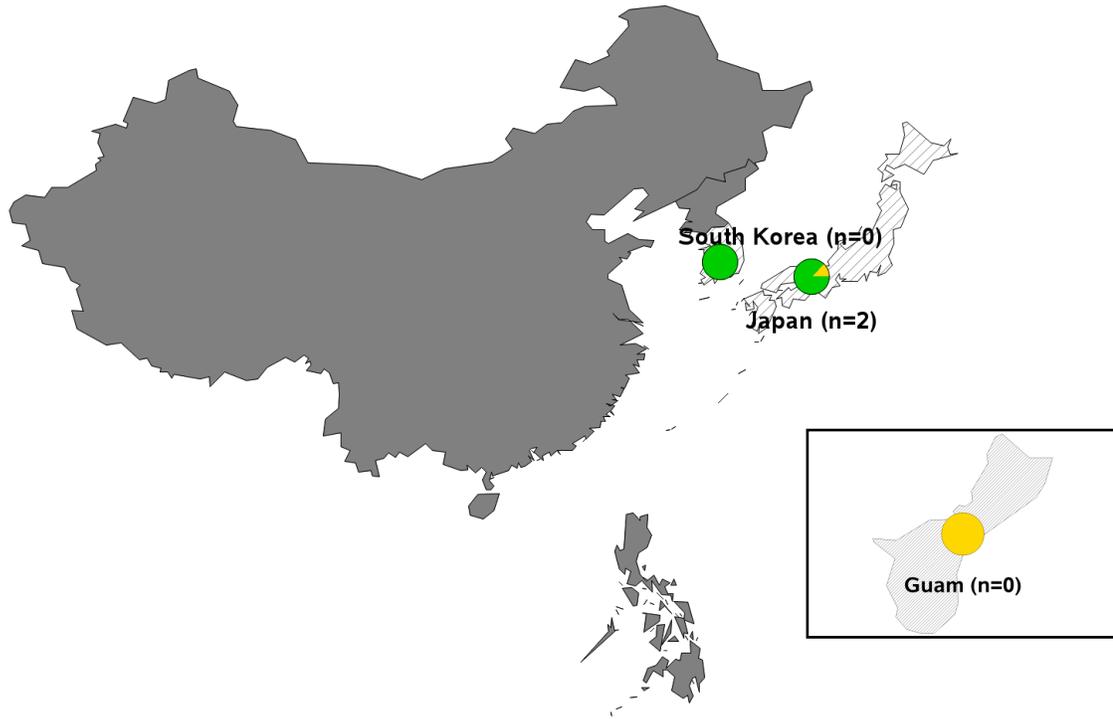


Map 1. Influenza subtypes and activity level by U.S. region for the 2016-2017 surveillance year through Week 17



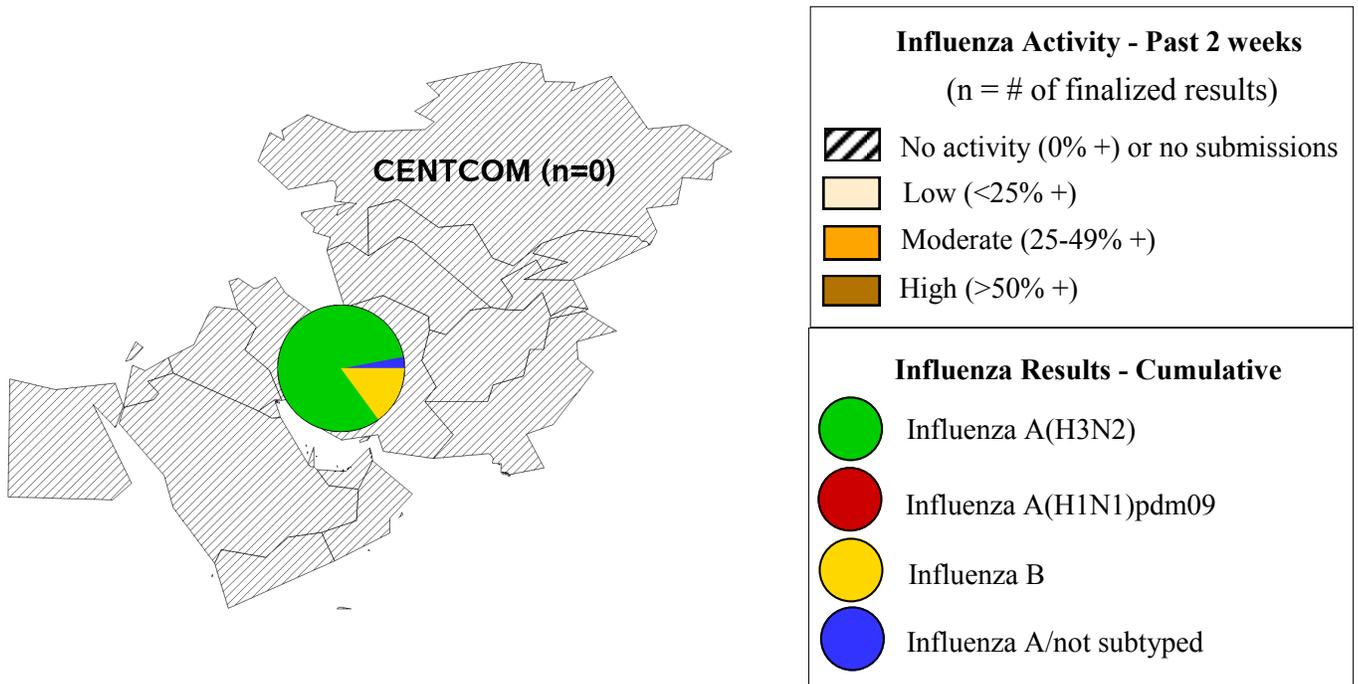
DoD Global, Laboratory-Based, Influenza Surveillance Program

Map 2. Influenza subtypes and activity level by country for the 2016-2017 surveillance year through Week 17 (Pacific)



Note - Countries shaded in gray do not contain sentinel sites and are only displayed for geographical perspective.

Map 3. Influenza subtypes and activity level for CENTCOM for the 2016-2017 surveillance year through Week 17



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

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Laboratory Results—Through Current Surveillance Week 17

Table 3. Cumulative results by region and location for specimens collected during the 2016-2017 surveillance year

Region*		A(H1N1)pdm09	A(H2N2)	A/not subtyped	A/not subtyped & Rhino/Entero	A(H1N1)pdm09 & B	A(H2N2) & B	A(H2N2) & Corona & RSV	A(H2N2) & RSV	B	B & hMNV & Rhino/Entero	Adenovirus	C. pneumoniae	Coronavirus	hMNV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Viral Coinfection	Non-Influenza Bacterial Coinfection	No Pathogen	Total		
Deployed	Country 1, Location A	-	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	7	12		
	Country 1, Location B	-	14	-	-	-	-	-	-	9	-	-	-	2	-	-	-	1	2	1	-	-	11	40	
	Country 1, Location D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		
	Country 2, Location A	-	33	1	1	-	-	-	-	1	-	-	-	6	-	-	-	-	6	2	-	-	16	66	
EUCOM	Incirk AB, Turkey	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	5	
PACOM	CFA Okinawa, Japan	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	
	Eielson AFB, AK	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2	-	5	10	
	JB Elmendorf-Richardson, AK	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4	6	
	JR Marianas - Andersen AFB, Guam	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	4	6	
	Kadena AB, Japan	-	4	-	-	-	-	-	-	-	-	-	-	-	1	-	3	-	2	1	1	1	23	35	
	Kunsan AB, South Korea	-	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	1	5	
	Misawa AB, Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
	Osan AB, South Korea	-	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	7	12	
	Tripler AMC, HI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
	Yokota AB, Japan	-	35	-	-	-	-	-	-	6	-	1	-	3	1	2	2	2	2	9	5	-	-	64	130
	Region 1	Hanscom AFB, MA	-	3	-	-	-	-	-	-	1	-	1	-	-	-	1	2	-	-	1	-	-	4	13
USCG Academy, CT		-	9	-	-	-	-	-	-	1	-	-	-	1	1	1	-	-	3	-	2	6	24		
Region 2	CGAS Borinquen, PR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	Ft Drum, NY	1	49	-	-	-	1	-	-	62	-	6	1	5	10	1	9	8	6	5	-	-	88	252	
	JB McGuire-Dix-Lakehurst, NJ	-	54	-	-	-	-	-	-	2	-	3	-	6	9	2	9	6	12	5	-	-	81	189	
	USMA - West Point, NY	-	86	-	-	-	-	-	-	15	-	11	-	5	7	2	10	13	10	6	-	-	150	315	
Region 3	Dover AFB, DE	-	18	-	-	-	-	-	-	10	-	2	-	1	1	1	-	1	3	-	-	-	47	84	
	JB Anacostia-Bolling, DC	-	14	-	-	-	-	-	-	4	-	-	-	-	-	-	-	1	-	-	-	-	19		
	JB Andrews, MD	2	23	-	-	-	-	-	-	12	-	-	-	2	1	-	3	2	1	2	-	-	40	88	
	JB Langley-Eustis, VA	6	149	-	-	1	1	-	-	30	-	1	-	4	10	2	11	20	35	11	-	-	257	538	
	NCRM - Walter Reed NMMC, MD	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	
	NMC Portsmouth, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	3	
	US Naval Academy, MD	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Region 4	CGS Mobile, AL	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	
	Columbus AFB, MS	-	5	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	1	-	-	-	17	26	
	Eglin AFB, FL	1	15	-	-	-	-	-	-	4	-	7	-	2	1	2	1	5	11	6	-	-	39	94	
	Ft Bragg, NC	1	8	-	-	-	-	-	-	5	-	-	-	1	1	1	3	2	6	4	3	3	37	72	
	Ft Campbell, KY	1	15	-	-	-	-	-	-	9	1	2	-	1	-	-	3	-	4	-	-	-	17	53	
	Hurlburt Field, FL	-	18	-	-	-	-	-	-	6	-	1	-	1	-	1	1	2	3	-	-	-	27	60	
	JB Charleston (AF), SC	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	17	
	Keesler AFB, MS	-	2	-	-	-	-	1	-	-	-	-	-	-	1	-	2	2	3	2	-	-	15	28	
	MacDill AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6	7	
	Maxwell AFB, AL	-	10	-	-	-	-	-	-	2	-	-	-	-	1	-	2	-	1	-	-	-	14	30	
	Moody AFB, GA	-	35	-	-	-	-	-	-	40	-	1	-	2	7	1	12	8	15	14	1	79	215		
	NH Beaufort, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
	NH Camp Lejeune, NC	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	8	13	
	NH Jacksonville, FL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5	
	Patrick AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
	Robins AFB, GA	-	24	-	-	-	-	-	-	8	-	-	-	-	-	2	1	3	2	-	-	-	22	62	
	Seymour Johnson AFB, NC	3	16	-	-	-	-	-	-	1	-	2	-	-	-	1	1	2	1	-	-	-	19	46	
	Shaw AFB, SC	-	70	-	-	-	-	-	-	34	-	1	1	7	5	1	5	1	10	2	-	-	59	196	
	Tyndall AFB, FL	-	11	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	16	

(Cont'd on page 7)

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

DoD Global, Laboratory-Based, Influenza Surveillance Program

Laboratory Results—Through Current Surveillance Week 17

Table 3. Cumulative results by region and location for specimens collected during the 2016-2017 surveillance year
(Cont'd from page 6)

Region*		A(H1N1)pdm09	A(H2N2)	A/not subtyped	A/not subtyped & Rhino/Entero	A(H1N1)pdm09 & B	A(H2N2) & B	A(H2N2) & Corona & RSV	A(H2N2) & RSV	B	B & h1N1 & Rhino/Entero	Adenovirus	C. pneumoniae	Coronavirus	h1N1	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Viral Coinfection	Non-Influenza Bacterial Coinfection	No Pathogen	Total
Region 5	Scott AFB, IL	-	3	-	-	-	-	-	3	-	-	-	-	-	1	3	1	1	-	1	-	8	21
	Wright-Patterson AFB, OH	-	10	-	-	-	-	-	8	-	-	-	-	1	1	1	1	-	2	2	-	37	63
Region 6	Altus AFB, OK	-	7	-	-	-	-	-	1	-	1	-	-	1	1	-	5	7	4	-	-	39	67
	Barksdale AFB, LA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	1	-	-	8	12
	Cannon AFB, NM	-	13	-	-	-	-	-	4	-	-	-	-	2	-	1	2	-	4	1	-	38	65
	Ft Polk, LA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	3
	JBSA Lackland, TX	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
	Laughlin AFB, TX	1	-	-	-	-	-	-	1	-	-	-	-	1	2	-	-	-	-	-	-	5	10
	Little Rock AFB, AR	-	12	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	12	25
	Sheppard AFB, TX	-	60	-	-	-	-	-	9	-	1	-	9	4	1	6	2	8	-	-	-	82	182
	Tinker AFB, OK	1	97	-	-	-	-	1	25	-	2	-	9	3	1	9	6	12	6	-	-	136	308
	Vance AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12
Region 7	McConnell AFB, KS	-	25	-	-	-	-	-	18	-	1	-	4	-	1	4	5	9	3	-	-	36	106
	Offutt AFB, NE	1	32	-	-	-	-	-	8	-	1	-	6	2	-	1	1	7	1	-	-	56	116
Region 8	Ellsworth AFB, SD	-	14	-	-	-	-	-	14	-	-	-	3	-	-	3	1	3	-	-	-	36	74
	FE Warren AFB, WY	-	36	-	-	-	-	-	6	-	3	-	4	-	2	4	6	4	-	-	-	50	115
	Hill AFB, UT	-	30	-	-	-	-	-	2	-	-	-	3	1	-	5	4	4	2	-	-	41	92
	Malmstrom AFB, MT	-	7	-	-	-	-	-	3	-	-	-	-	-	1	-	-	1	-	-	-	8	20
	Minot AFB, ND	1	24	-	-	-	-	-	15	-	-	-	3	2	1	1	6	5	3	-	-	46	107
	Peterson AFB, CO	1	19	-	-	-	-	-	12	-	-	-	3	-	-	3	11	3	4	-	-	26	82
	USAF Academy, CO	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	2	6
Region 9	Beale AFB, CA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Davis-Monthan AFB, AZ	-	14	-	-	-	-	-	4	-	-	-	-	2	-	5	1	6	5	-	-	33	70
	Edwards AFB, CA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Luke AFB, AZ	-	-	-	-	-	-	-	4	-	1	-	2	-	-	-	3	1	1	-	-	16	28
	Nellis AFB, NV	1	3	-	-	-	-	-	4	-	3	-	1	-	-	4	4	5	7	-	-	32	64
	Travis AFB, CA	-	58	-	-	-	-	-	4	-	1	1	6	7	-	6	13	15	5	-	-	40	156
	Vandenberg AFB, CA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6
Region 10	CGS North Bend, OR	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4
	Fairchild AFB, WA	2	17	-	-	-	-	-	2	-	3	-	3	-	-	5	2	4	-	-	-	46	84
	JB Lewis-McChord, WA	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3
	Mt Home AFB, ID	-	23	-	-	-	-	-	1	-	1	1	1	-	1	23	12	12	5	-	-	74	154
	NH Bremerton, WA	-	67	-	-	-	-	-	5	-	8	1	3	1	2	8	7	7	4	-	-	27	140
Total		23	1337	1	1	1	3	1	423	1	67	5	119	88	37	174	174	268	127	8	2153	5012	

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

Monthly EUCOM Respiratory Surveillance Supplemental Report Through 29 April 2017

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 finalized.

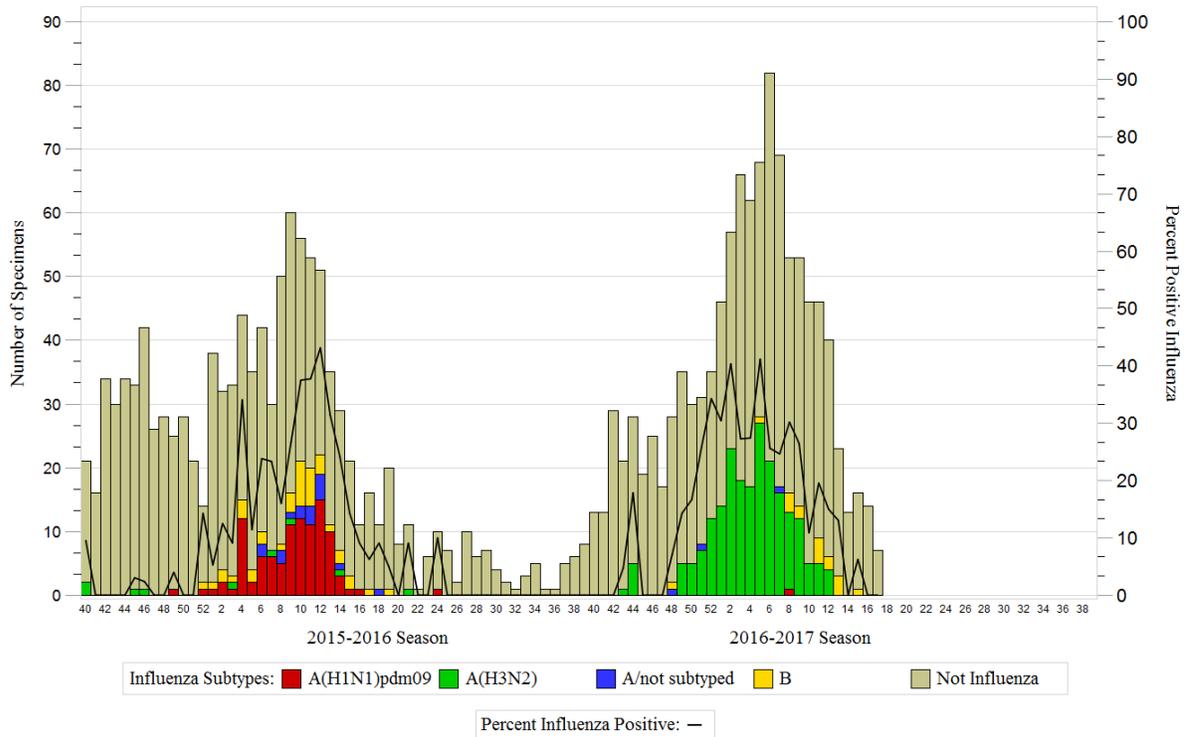
Table 4. Finalized results by region and location for specimens collected during Weeks 14-17

Region		B	hMNV	Para influenza	RSV	Rhinovirus/Enterovirus	No Pathogen	Total
EUCOM	Landstuhl RMC, Germany	-	2	1	1	6	9	19
	NAS Sigonella, Italy	-	1	-	-	-	-	1
	NAVSTA Rota, Spain	-	-	1	-	1	1	3
	NSA Naples, Italy	-	-	-	-	1	1	2
	RAF Lakenheath, England	1	1	1	-	1	2	6
	Ramstein AB, Germany	-	1	-	-	3	6	10
	USAG Stuttgart, Germany	-	-	1	-	1	3	5
	Vilseck AHC, Germany	-	1	-	-	1	2	4
Total		1	6	4	1	14	24	50

Table 5. Cumulative results by region and location for specimens collected during the 2016-2017 surveillance year

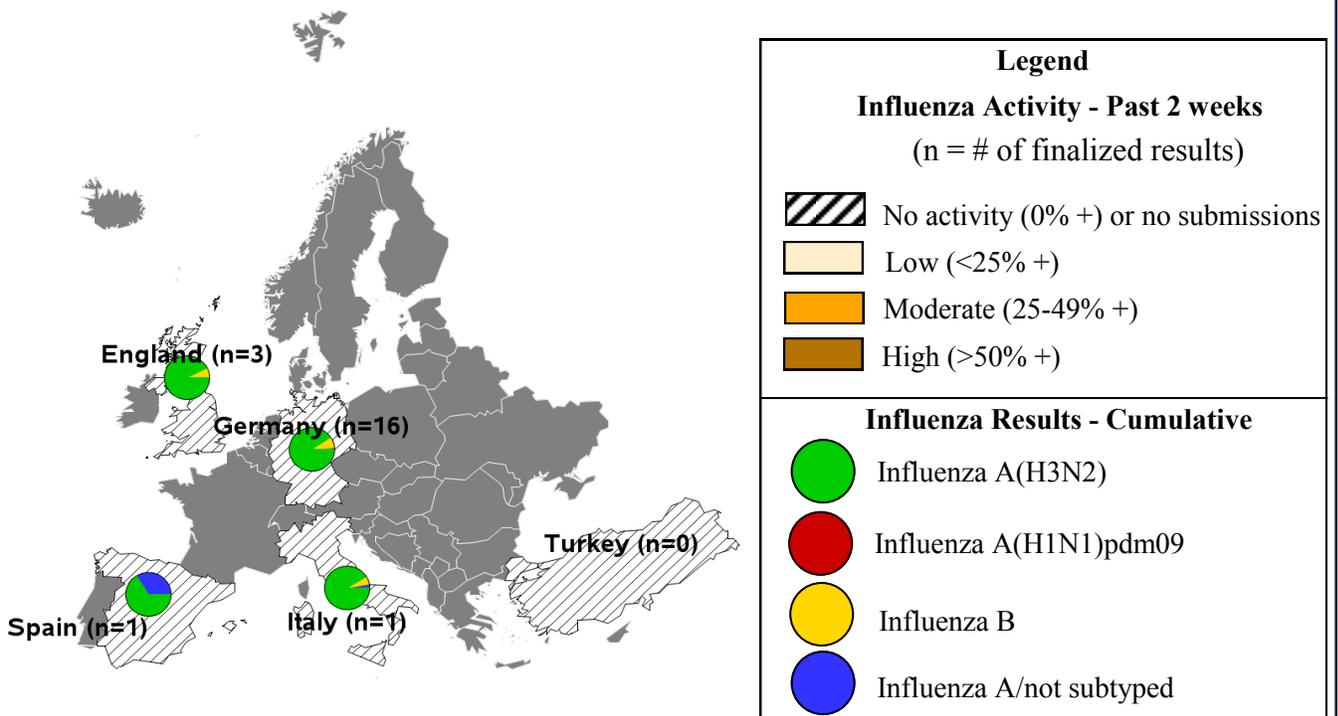
Region		A(H1N1)pdm09	A(H3N2)	A/not subtyped	A(H3N2) & Adeno	A(H3N2) & hMNV & Rhino/Entero	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	B	B & Rhino/Entero	Adenovirus	hMNV	Para influenza	RSV	Rhinovirus/Enterovirus	Adeno & RSV	Adeno & RSV & Rhino/Entero	Adeno & Rhino/Entero	hMNV & RSV	hMNV & Rhino/Entero	Para & RSV	Para & Rhino/Entero	RSV & Rhino/Entero	No Pathogen	Total		
Deployed	Country 2, Location A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
	Country 6, Location A	-	3	-	-	-	2	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	15	24	
EUCOM	Aviano AB, Italy	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	11	15	
	Landstuhl RMC, Germany	1	58	-	-	2	1	6	-	2	11	9	17	35	1	-	1	-	-	1	-	-	3	142	290		
	NAS Sigonella, Italy	-	6	-	-	-	-	-	-	-	1	-	3	4	-	-	-	-	-	-	-	-	-	-	-	4	18
	NAVSTA Rota, Spain	-	2	1	-	-	-	-	-	-	2	3	5	9	-	-	-	-	-	-	-	-	-	-	-	29	51
	NSA Naples, Italy	-	10	-	-	-	1	-	-	-	1	3	4	7	-	-	-	-	-	-	-	-	-	-	-	25	51
	RAF Lakenheath, England	-	24	-	-	-	1	2	-	2	9	4	14	25	-	1	1	-	1	-	1	-	-	2	79	165	
	Ramstein AB, Germany	-	23	1	-	-	-	1	-	-	7	1	12	20	-	-	1	-	-	-	-	-	1	-	42	109	
	Spangdahlem AB, Germany	-	1	-	-	-	1	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	4	9
	USAG Stuttgart, Germany	-	17	-	-	-	-	1	1	-	4	3	7	12	-	-	-	-	-	-	-	-	-	-	-	25	70
	USAG Vicenza, Italy	-	14	1	2	-	-	-	-	-	-	3	-	2	2	-	-	-	-	-	-	-	-	-	-	27	51
	Vilseck AHC, Germany	-	40	-	-	1	-	4	-	1	14	16	31	28	-	-	-	1	-	2	3	4	5	494	1085		
Total		1	198	3	2	1	2	6	16	1	5	52	39	96	150	1	1	3	1	1	3	4	5	494	1085		

Graph 4. Percent influenza positive by week: 2015-2016 surveillance year and through Week 17 of the 2016-2017 surveillance year (EUCOM)



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

Map 4. Influenza subtypes and activity level by country for the 2016-2017 surveillance year through Week 17(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 Defense Health Agency/Armed Forces Health Surveillance Branch—Air Force Satellite Cell (DHA/AFHSB-AF) and 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 (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 GEIS Operations, a Division of the Armed Forces Health Surveillance Branch (AFHSB).

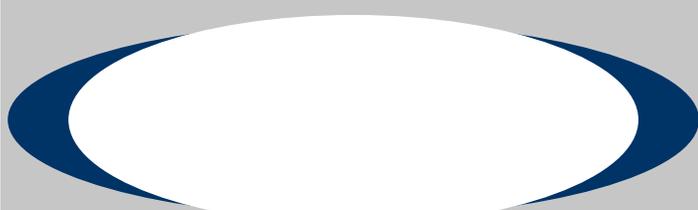
Sentinel Site Surveillance

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. DHA/AFHSB-AF and USAFSAM manages the surveillance program that includes global surveillance among DoD beneficiaries at over 95 sentinel sites (including deployed locations) and many non-sentinel sites (please see map below). Collaborating partner laboratories include five DoD overseas medical research laboratories (AFRIMS, NAMRU-2, NAMRU-3, NAMRU-6, USAMRU-K) who collect specimens from local residents in surrounding countries that may not otherwise be covered in existing surveillance efforts. Additionally, the Naval Health Research Center (NHRC) in San Diego, CA collects specimens from DoD recruit training centers and conducts surveillance along the Mexico border.

Landstuhl Regional Medical Center (LRMC) and Tripler Army Medical Center (TAMC) assist the program by processing DoD specimens for the EUCOM region and the State of Hawaii, respectively. This process seeks to provide more timely results and efficient transport of specimens.

Available on our website (listed below) is a list of previous weekly surveillance reports, program information (including an educational briefing and instruction pamphlets for clinic staff), and a dashboard containing respiratory data for our sentinel sites.

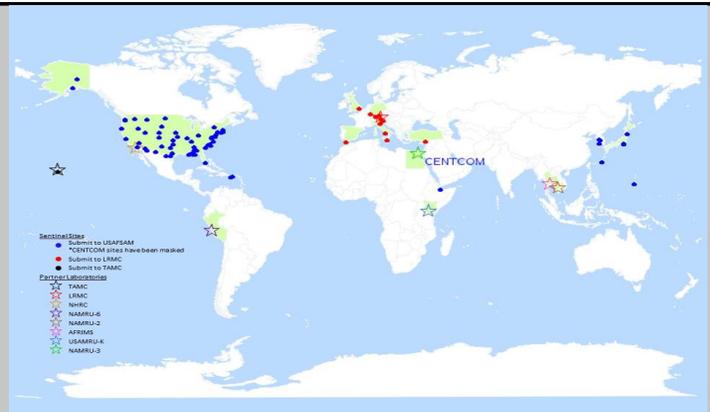
Errata:



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

For Laboratory Services
937-938-4140; DSN 798-4140

USAFSAM.PHRFlu@us.af.mil



Collaborating Partners

In addition to all participating DoD military sentinel sites, collaborating laboratories and medical centers (described above) may be further understood by reviewing the sites' website. Click on the sites' icon to be directed to their webpage.

