



Cumulative Results

Locations	77
Collected	1,993
Tested	1,856

Influenza A	435
A(H1N1)pdm09	3
A(H3N2)	431
A(H3N2) & RSV	1
A/not subtyped	0

Influenza B*	25
B	25

Other Respiratory Pathogens	592
Adenovirus	38
<i>Bordetella pertussis</i>	0
<i>Chlamydomphila pneumoniae</i>	2
Coronavirus	56
Human Metapneumovirus	23
<i>Mycoplasma pneumoniae</i>	27
Parainfluenza	112
RSV	95
Rhino/Enterovirus	163
Non-influenza Viral Coinfections	68
Non-influenza Bacterial Coinfections	8
- <i>M. pneumo</i> coinfections (8)	

Respiratory Highlights

15 - 28 January 2017 (Surveillance Weeks 3 & 4)

- During 15 - 28 January 2017, a total of 388 specimens were collected from 52 locations. Results were finalized for 291 specimens from 50 locations. During Week 3, 79 influenza A(H3N2) and eight influenza B viruses were identified. During Week 4, one influenza A(H1N1)pdm09, 65 influenza A(H3N2), and five influenza B viruses were identified. Approximately 45% of specimens tested positive for influenza during Week 3. Approximately 38% of specimens tested positive for influenza during Week 4. The influenza percent positive for the season is approximately 25%.
- According to the CDC, influenza activity in the United States has continued to increase from 29 states to 37 states reporting widespread influenza activity. Influenza A(H3N2) continuing to be the predominant strain and activity is expected to persist for several more weeks. In addition, three influenza-associated pediatric deaths have been reported for the 2016-2017 season. For six consecutive weeks, the proportion of people who have sought medical care for influenza-like illness (ILI) has been at or above the national baseline of 2.2% (CDC, [FluView Report Week 3](#), cited 31 January 2017).

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Lab data are current as of 30 January 2017. Results are preliminary and may change as more results are received.
*Influenza B lineages will be reported in the periodic molecular sequencing reports.

DoD Global, Laboratory-Based, Influenza Surveillance Program

Table 1. Results by region and location for specimens collected during Weeks 3 & 4

Region*		A(H1N1)pdm09	A(H3N2)	B	Adenovirus	Coronavirus	hMPV	<i>M. pneumoniae</i>	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & Rhino/Enterovirus	Corona & RSV	Para & RSV	Para & Rhino/Enterovirus	RSV & Rhino/Enterovirus	No Pathogen	Total
Deployed	Country 2, Location A	-	7	-	-	-	-	-	-	-	2	-	-	-	-	-	2	11
EUCOM	Incirlik AB, Turkey	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PACOM	JB Elmendorf-Richardson, AK	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Osan AB, South Korea	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
	Yokota AB, Japan	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3
Region 1	Hanscom AFB, MA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	USCG Academy, CT	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Region 2	Ft Drum, NY	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	JB M cGuire-Dix-Lakehurst, NJ	-	9	-	-	-	1	-	-	3	1	-	-	-	-	1	5	20
	USM A - West Point, NY	-	12	1	2	3	-	-	1	1	-	-	-	-	-	-	4	24
Region 3	Dover AFB, DE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
	JB Andrews, MD	-	6	1	-	1	-	-	-	-	-	1	-	-	-	-	5	14
	JB Langley-Eustis, VA	-	4	-	-	-	-	-	-	3	-	-	-	-	-	-	4	11
	US Naval Academy, MD	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Region 4	Columbus AFB, MS	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Eglin AFB, FL	-	3	-	-	-	-	-	-	-	1	-	-	1	-	-	-	5
	Ft Bragg, NC	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	5	7
	Ft Campbell, KY	-	6	1	1	-	-	-	-	1	-	-	-	-	-	-	2	11
	Hurlburt Field, FL	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Keesler AFB, MS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Maxwell AFB, AL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
	M oody AFB, GA	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	3	6
	NH Camp Lejeune, NC	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Robins AFB, GA	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	3
	Shaw AFB, SC	-	3	-	-	1	-	-	-	1	-	-	-	-	-	-	2	7

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

DoD Global, Laboratory-Based, Influenza Surveillance Program

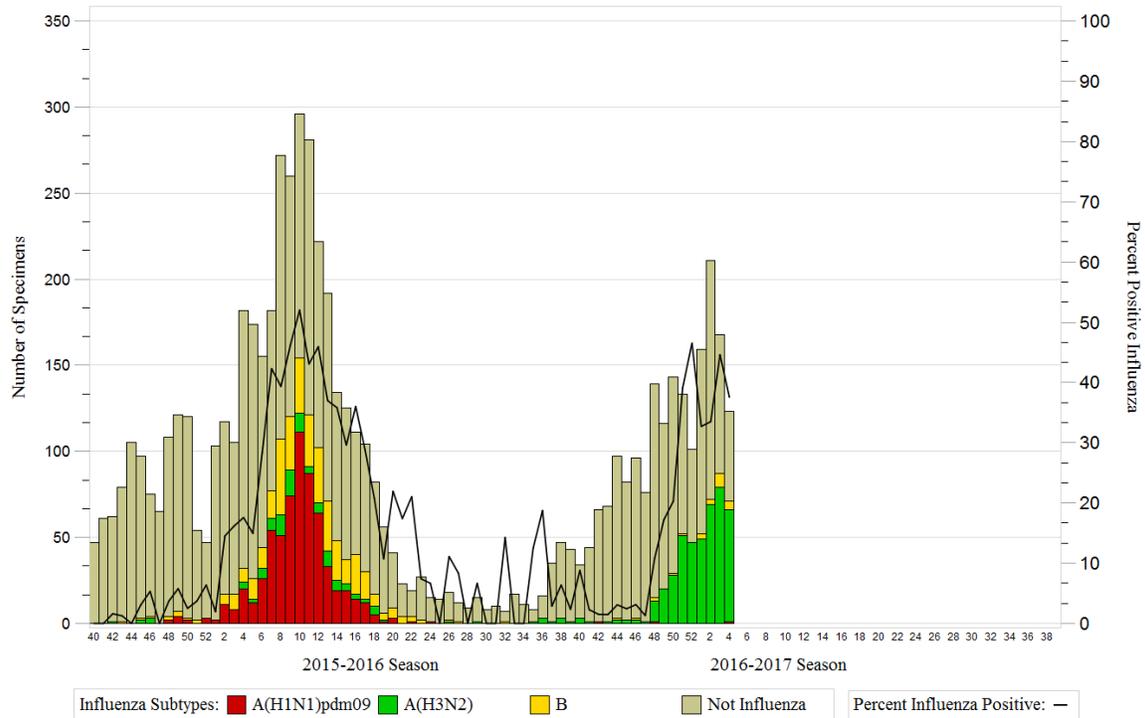
Table 1. Results by region and location for specimens collected during Weeks 3 & 4
(Cont'd from page 2)

Region*		A(H1N1)pdm09	A(H3N2)	B	Adenovirus	Coronavirus	hMPV	<i>M. pneumoniae</i>	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & Rhino/Enterovirus	Corona & RSV	Para & RSV	Para & Rhino/Enterovirus	RSV & Rhino/Enterovirus	No Pathogen	Total
Region 5	Scott AFB, IL	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Wright-Patterson AFB, OH	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2
Region 6	Altus AFB, OK	-	2	-	-	-	1	-	-	-	-	-	-	-	-	1	2	6
	Cannon AFB, NM	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	3
	Little Rock AFB, AR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
	Sheppard AFB, TX	-	14	-	-	-	-	-	2	-	1	-	-	-	-	-	4	21
	Tinker AFB, OK	-	10	-	-	-	-	-	1	1	-	-	-	-	-	-	2	14
	Vance AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Region 7	M cConnell AFB, KS	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	2
	Offutt AFB, NE	1	2	1	-	-	-	-	-	-	-	-	-	-	-	1	2	7
Region 8	Ellsworth AFB, SD	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6
	FE Warren AFB, WY	-	9	-	-	1	-	-	1	1	-	-	-	-	-	-	-	12
	Hill AFB, UT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Malmstrom AFB, MT	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Minot AFB, ND	-	1	-	-	1	1	-	-	1	-	1	-	-	-	-	1	6
	Peterson AFB, CO	-	1	-	-	1	-	-	-	2	-	-	-	-	-	-	1	5
Region 9	Beale AFB, CA	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Davis-Monthan AFB, AZ	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3
	Nellis AFB, NV	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	2	4
	Travis AFB, CA	-	14	-	-	-	-	-	1	2	-	-	-	-	1	-	-	18
Region 10	CGS North Bend, OR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
	Fairchild AFB, WA	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	2	6
	JB Lewis-McChord, WA	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
	Mountain Home AFB, ID	-	4	-	-	-	-	-	3	4	-	-	2	-	-	-	-	13
	NH Bremerton, WA	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Total	1	144	13	6	10	3	1	10	21	8	1	3	2	1	3	64	291	

*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 4 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.

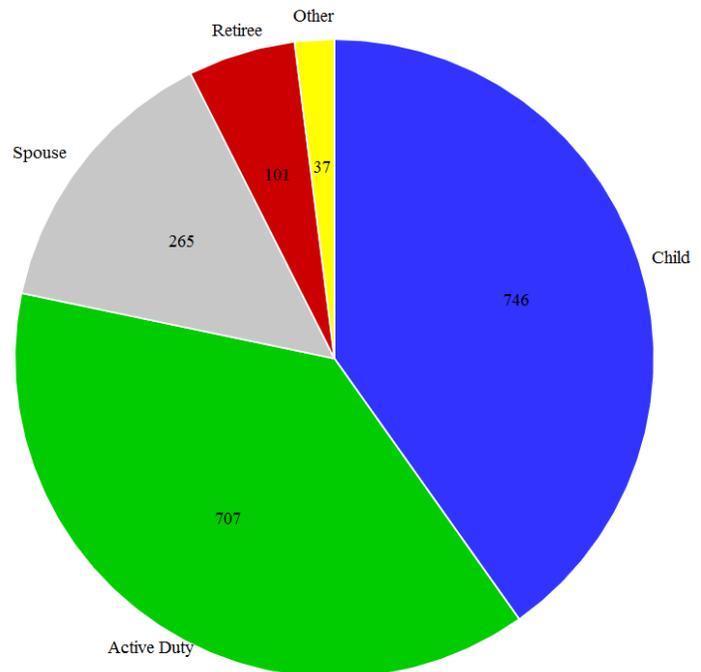
Table 2. ILI by age group for the 2016-2017 surveillance year through Week 4

Age Group	Frequency	Percent
0-5	444	23.92
6-9	120	6.47
10-17	183	9.86
18-24	289	15.57
25-44	605	32.60
45-64	161	8.67
65+	54	2.91

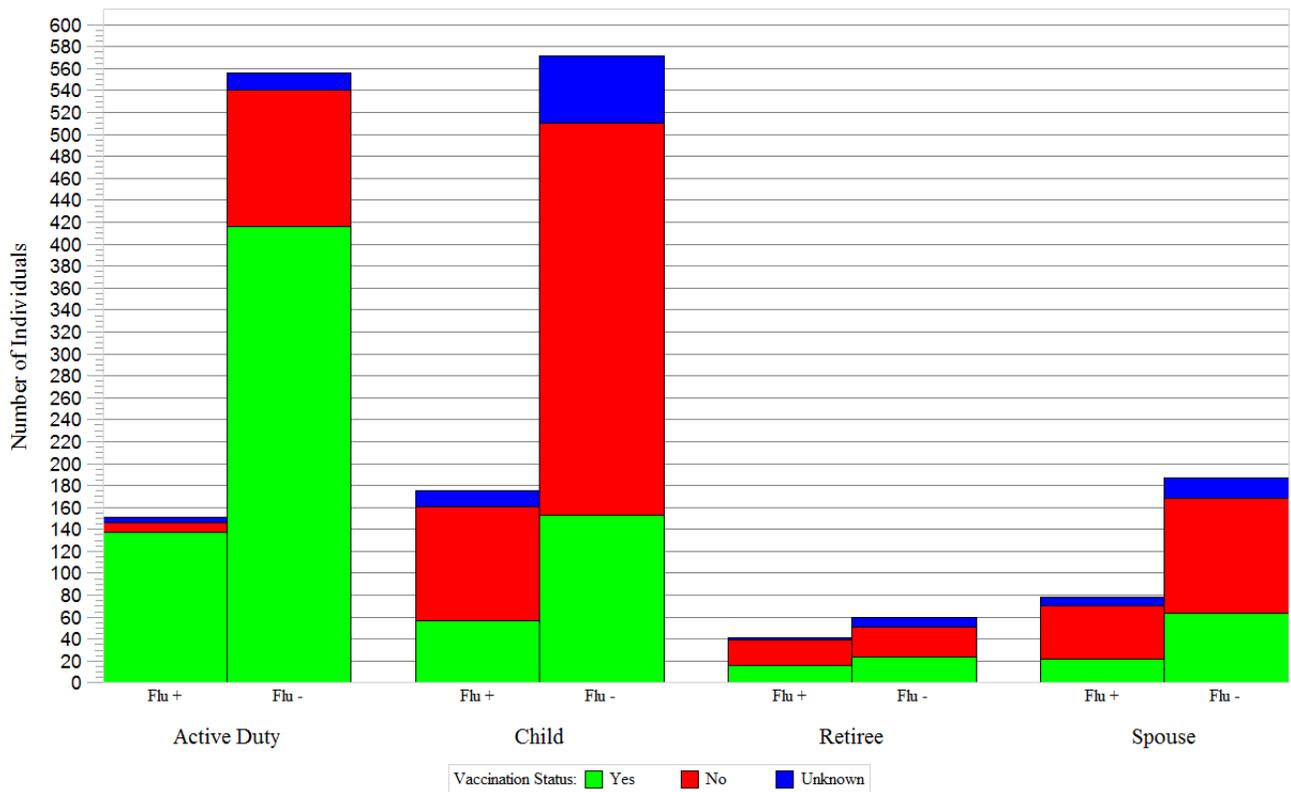
Demographic Summary

Of 1,856 ILI cases, 707 (38.1%) are service members, 746 (40.2%) are children, 265 (14.3%) are spouses, and 138 (7.4%) are retirees and other beneficiaries. The median age of ILI cases with known age (n=1,856) is 22 (range 0, 91).

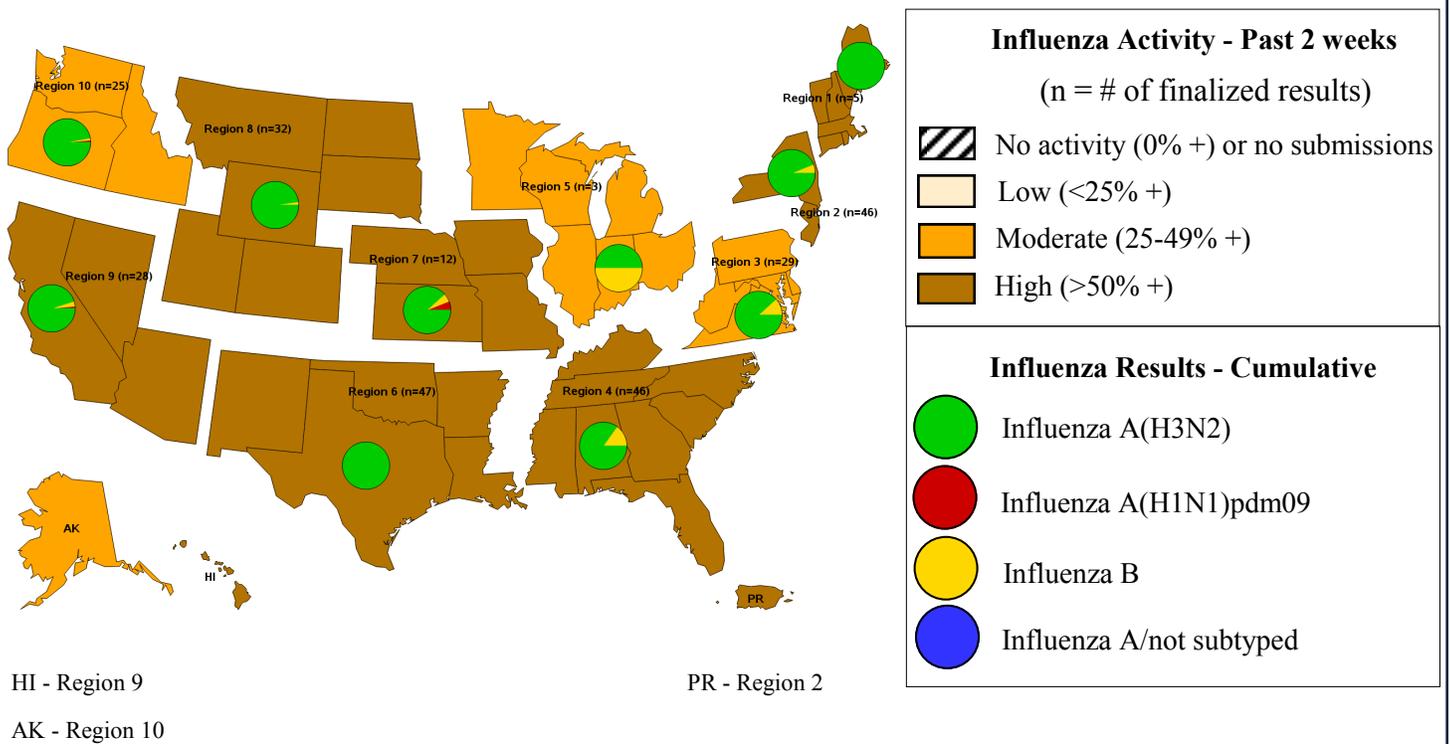
Graph 2. ILI by beneficiary status for the 2016-2017 surveillance year through Week 4



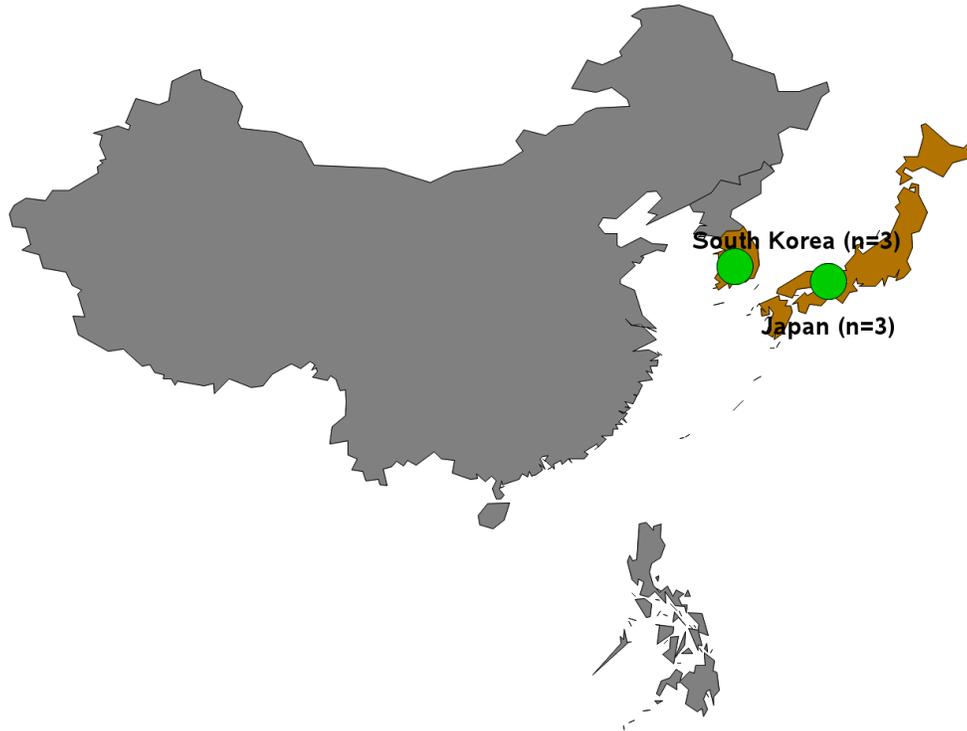
Graph 3. Vaccination status by beneficiary type for the 2016-2017 surveillance year through Week 4



Map 1. Influenza subtypes and activity level by U.S. region for the 2016-2017 surveillance year through Week 4

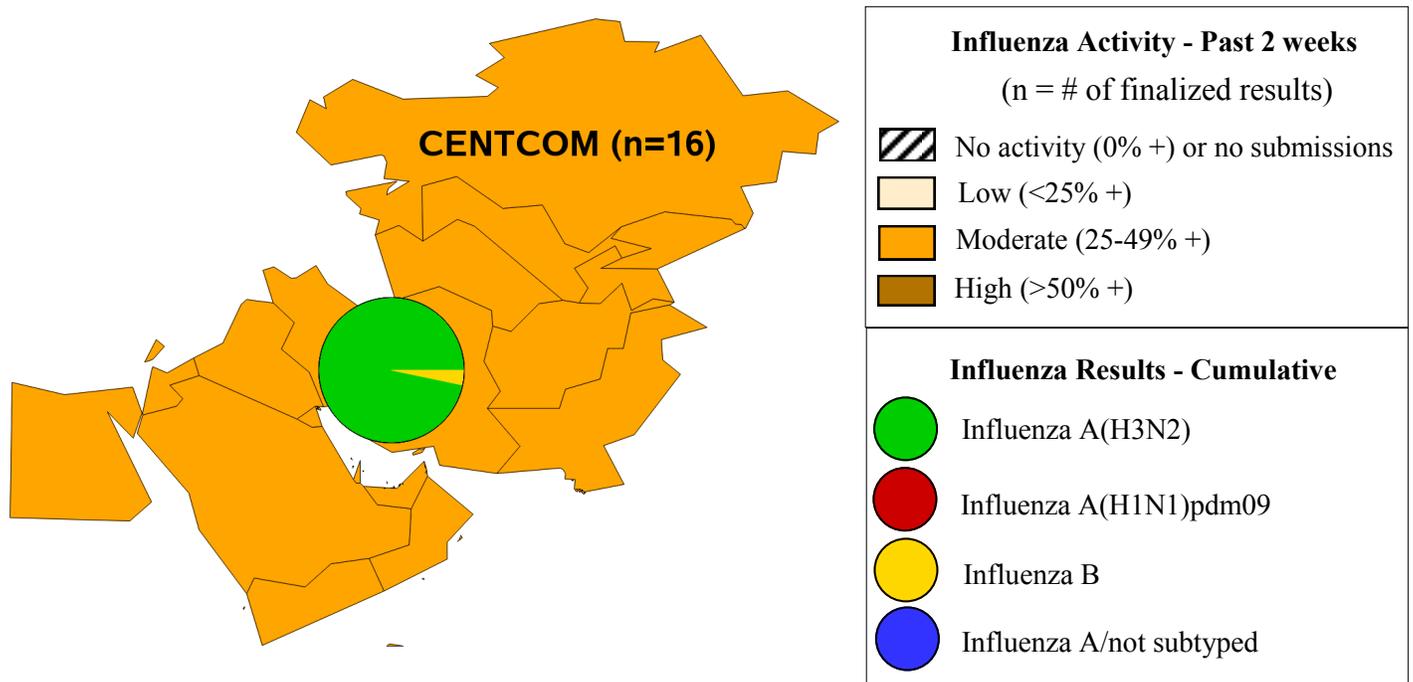


Map 2. Influenza subtypes and activity level by country for the 2016-2017 surveillance year through Week 4 (Pacific)



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 4



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

DoD Global, Laboratory-Based, Influenza Surveillance Program

Laboratory Results—Through Current Surveillance Week 4

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

Region*		A(H1N1)pdm09	A(H3N2)	A(H3N2) & RSV	B	Adenovirus	C. pneumoniae	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-I nfluenza Viral Coinfection	Non-I nfluenza Bacterial Coinfection	No Pathogen	Total	
Deployed	Country 1, Location A	-	3	-	-	-	-	-	-	-	-	1	-	-	-	-	7	12
	Country 1, Location B	-	3	-	1	-	-	1	-	-	-	1	-	1	-	-	2	9
	Country 1, Location D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Country 2, Location A	-	23	-	-	-	-	5	-	-	-	-	4	2	-	-	10	44
EUCOM	Incirlik AB, Turkey	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
PACOM	CFA Okinawa, Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Eielson AFB, AK	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	4	5
	JB Elmendorf-Richardson, AK	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	3
	JR Marianas - Andersen AFB, Guam	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2
	Kadena AB, Japan	-	3	-	-	-	-	-	-	-	2	-	2	-	1	-	16	24
	Kunsan AB, South Korea	-	2	-	-	-	-	1	-	-	-	-	-	1	-	-	1	5
	Misawa AB, Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Osan AB, South Korea	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	6	9
	Tripler AMC, HI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Yokota AB, Japan	-	10	-	-	1	-	2	-	2	-	2	7	3	-	-	39	66
Region 1	Hanscom AFB, MA	-	1	-	-	-	-	-	1	1	-	-	1	-	1	-	5	
	USCG Academy, CT	-	4	-	-	-	-	-	1	-	-	3	-	2	2	2	12	
Region 2	CGAS Borinquen, PR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Ft Drum, NY	-	1	-	3	4	-	1	6	1	6	4	1	2	-	-	10	39
	JB McGuire-Dix-Lakehurst, NJ	-	25	-	2	-	5	2	2	7	5	8	4	-	-	-	40	100
	USMA - West Point, NY	-	34	-	1	10	-	4	2	1	5	9	4	4	-	-	68	142
Region 3	Dover AFB, DE	-	3	-	-	1	-	1	-	1	-	1	1	-	-	-	11	19
	JB Anacostia-Bolling, DC	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	JB Andrews, MD	-	10	-	1	-	-	1	-	-	-	2	1	2	-	-	14	31
	JB Langley-Eustis, VA	-	9	-	2	-	-	1	2	2	4	16	22	8	-	-	50	116
	NM C Portsmouth, VA	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	3
	US Naval Academy, M D	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Region 4	Columbus AFB, M S	-	2	-	-	-	-	1	-	-	-	-	1	-	-	-	7	11
	Eglin AFB, FL	-	7	-	1	2	-	1	-	-	-	4	9	3	-	-	16	43
	Ft Bragg, NC	-	3	-	3	-	-	1	-	1	3	1	6	3	3	-	16	40
	Ft Campbell, KY	-	10	-	1	1	-	-	1	-	-	3	-	4	-	-	7	27
	Hurlburt Field, FL	-	6	-	-	-	-	-	-	-	1	-	-	-	-	-	4	11
	JB Charleston (AF), SC	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	5
	Keesler AFB, M S	-	-	-	-	-	-	-	-	-	1	2	-	1	-	-	7	11
	MacDill AFB, FL	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	4
	Maxwell AFB, AL	-	2	-	-	-	-	-	-	-	1	-	1	-	-	-	7	11
	Moody AFB, GA	-	8	-	2	1	-	1	-	-	1	5	3	7	1	-	16	45
	NH Beaufort, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	NH Camp Lejeune, NC	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5
	NH Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Patrick AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Robins AFB, GA	-	6	-	1	-	-	-	-	1	-	1	-	-	-	-	4	13
	Seymour Johnson AFB, NC	-	-	-	-	1	-	-	-	1	1	-	1	-	-	-	3	7
	Shaw AFB, SC	-	9	-	2	1	-	5	1	1	3	1	3	-	-	-	24	50

(Cont'd on page 8)

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

Laboratory Results—Through Current Surveillance Week 4

Table 3. Cumulative results by region and location for specimens collected during the 2016-2017 surveillance year
(Cont'd from page 7)

Region*		A(H1N1)pdm09	A(H3N2)	A(H3N2) & RSV	B	Adenovirus	C. pneumoniae	Coronavirus	hMPV	M. pneumoniae	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-I influenza Viral Coinfection	Non-I influenza Bacterial Coinfection	No Pathogen	Total	
Region 5	Scott AFB, IL	-	-	-	1	-	-	-	-	1	2	1	1	-	1	6	13	
	Wright-Patterson AFB, OH	-	1	-	-	-	-	-	-	1	1	-	1	2	-	9	15	
Region 6	Altus AFB, OK	-	2	-	-	1	-	-	1	-	-	-	4	1	-	20	29	
	Barksdale AFB, LA	-	-	-	-	-	-	-	-	-	1	-	1	-	-	4	6	
	Cannon AFB, NM	-	2	-	-	-	-	1	-	1	1	-	3	-	-	11	19	
	Ft Polk, LA	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2
	Laughlin AFB, TX	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	3
	Little Rock AFB, AR	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
	Sheppard AFB, TX	-	24	-	-	-	-	3	1	-	6	-	5	-	-	-	27	66
	Tinker AFB, OK	-	21	1	-	-	-	1	-	1	5	4	6	-	-	-	32	71
	Vance AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9
	Region 7	M cConnell AFB, KS	-	8	-	-	-	-	1	-	1	2	1	4	-	-	15	32
Offutt AFB, NE		1	7	-	1	1	-	2	-	-	-	-	4	1	-	20	37	
Region 8	Ellsworth AFB, SD	-	5	-	-	-	-	2	-	-	3	-	3	-	-	12	25	
	FE Warren AFB, WY	-	10	-	-	2	-	1	-	1	2	2	2	-	-	11	31	
	Hill AFB, UT	-	16	-	-	-	-	2	-	-	4	2	4	-	-	22	50	
	Malmstrom AFB, MT	-	4	-	1	-	-	-	-	1	-	-	1	-	-	3	10	
	Minot AFB, ND	-	1	-	-	-	-	1	1	1	-	1	2	1	-	6	14	
	Peterson AFB, CO	-	6	-	-	-	-	2	-	-	1	3	3	4	-	10	29	
	USAF Academy, CO	-	1	-	-	-	-	-	1	-	-	1	1	-	-	2	6	
Region 9	Beale AFB, CA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
	Davis-Monthan AFB, AZ	-	6	-	-	-	-	-	-	-	5	-	4	-	-	13	28	
	Edwards AFB, CA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
	Luke AFB, AZ	-	-	-	-	-	-	2	-	-	-	1	-	1	-	4	8	
	Nellis AFB, NV	1	2	-	2	2	-	1	-	-	4	3	5	6	-	14	40	
	Travis AFB, CA	-	46	-	-	-	1	1	3	-	6	3	8	1	-	27	96	
	Vandenberg AFB, CA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
Region 10	CGS North Bend, OR	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	4	
	Fairchild AFB, WA	1	13	-	1	2	-	3	-	-	4	2	4	-	-	36	66	
	JB Lewis-McChord, WA	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	3	
	Mont Home AFB, ID	-	18	-	-	1	1	1	-	1	23	8	12	4	-	52	121	
	NH Bremerton, WA	-	33	-	-	4	-	-	-	-	6	4	4	2	-	14	67	
Total	3	431	1	25	38	2	56	23	27	112	95	163	68	8	804	1856		

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

**Monthly EUCOM Respiratory Surveillance Supplemental Report Through
28 January 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.

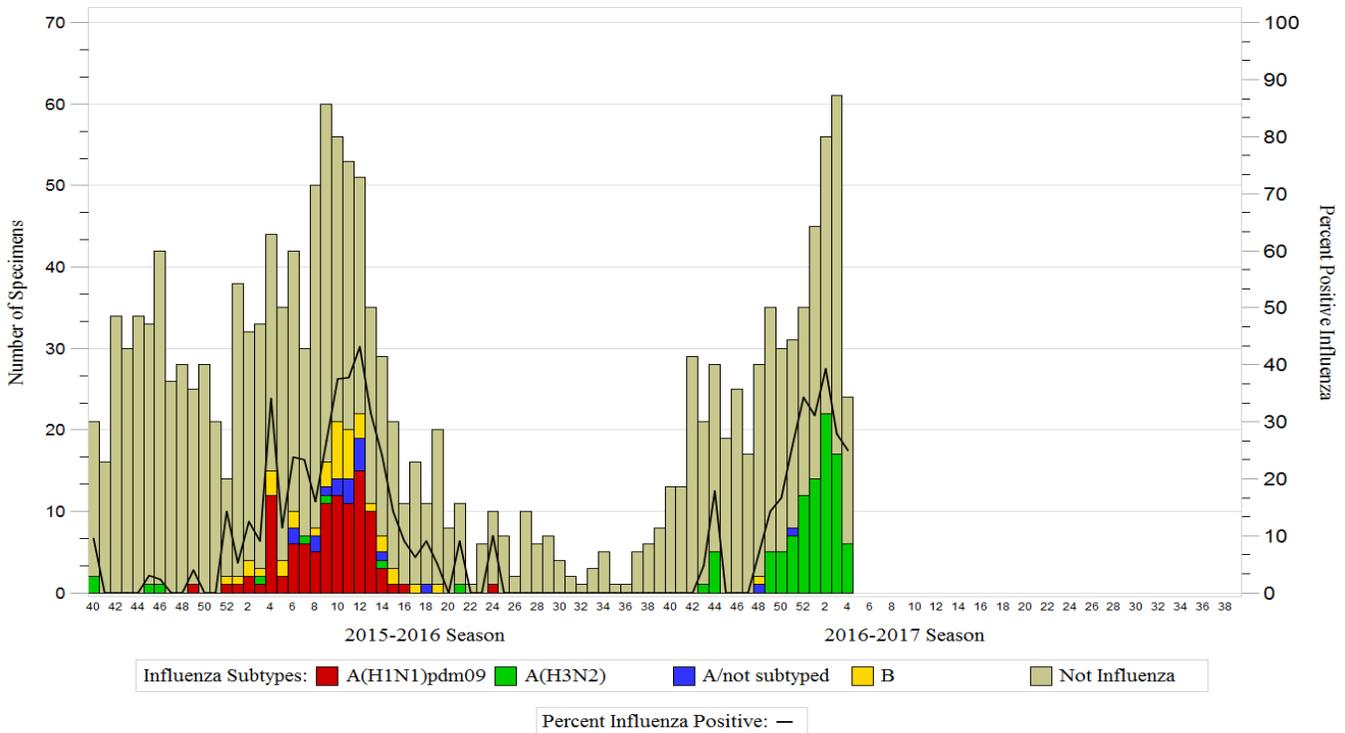
Table 4. Results by region and location for specimens collected and finalized during Weeks 1-4

Region	A(H3N2)	A(H3N2) & Adeno	A(H3N2) & hMNV & Rhino/Entero	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	hMNV	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & RSV & Rhino/Entero	Adeno & Rhino/Entero	RSV & Rhino/Entero	No Pathogen	Total
Deployed	Country 6, Location A	-	-	-	-	1	-	-	-	-	-	-	6	7
EUCOM	Aviano AB, Italy	-	-	-	-	-	-	-	-	-	-	-	-	1
	Landstuhl RMC, Germany	9	-	-	1	-	-	1	6	3	-	-	1	23
	NAS Sigonella, Italy	1	-	-	-	-	-	-	-	-	-	-	-	1
	NAVSTA Rota, Spain	-	-	-	-	-	-	1	-	-	-	-	-	1
	NSA Naples, Italy	2	-	-	-	1	-	2	2	-	-	-	-	7
	RAF Lakenheath, England	13	-	-	-	-	-	4	-	1	-	-	-	11
	Ramstein AB, Germany	3	-	-	-	1	-	2	2	-	1	-	-	7
	Spangdahlem AB, Germany	-	-	-	-	1	-	1	-	-	-	-	-	1
	USAG Stuttgart, Germany	8	-	-	-	2	-	1	1	-	-	-	-	5
	USAG Vicenza, Italy	3	1	-	-	-	-	-	-	-	-	-	-	5
	Vilseck AHC, Germany	14	-	1	-	-	1	1	3	6	-	-	-	18
Total		53	1	1	1	3	4	2	20	14	1	1	1	84

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

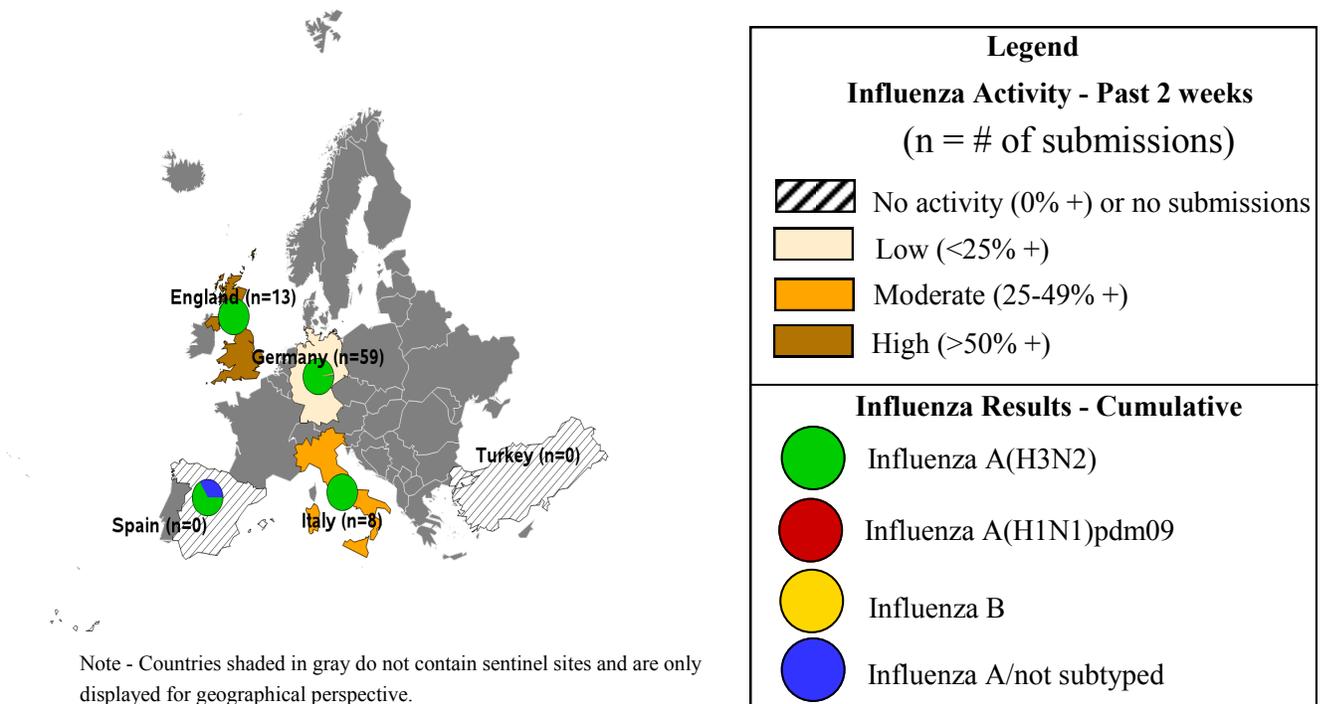
Region	A(H3N2)	A/not subtyped	A(H3N2) & Adeno	A(H3N2) & hMNV & Rhino/Entero	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	B	hMNV	Parainfluenza	RSV	Rhinovirus/Enterovirus	Adeno & RSV	Adeno & RSV & Rhino/Entero	Adeno & Rhino/Entero	hMNV & Rhino/Entero	Para & Rhino/Entero	RSV & Rhino/Entero	No Pathogen	Total	
Deployed	Country 2, Location A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Country 6, Location A	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	8	10
EUCOM	Aviano AB, Italy	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	10	12
	Landstuhl RMC, Germany	20	-	-	2	1	1	2	4	10	19	1	-	1	-	-	1	-	61	123
	NAS Sigonella, Italy	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	NAVSTA Rota, Spain	2	1	-	-	-	-	1	2	4	6	-	-	-	-	-	-	-	15	31
	NSA Naples, Italy	8	-	-	-	1	-	1	-	3	6	-	-	-	-	-	-	-	16	35
	RAF Lakenheath, England	14	-	-	-	1	-	6	2	13	19	-	1	-	1	-	-	2	40	99
	Ramstein AB, Germany	4	1	-	-	-	-	4	1	10	14	-	-	1	-	-	-	-	17	52
	Spangdahlem AB, Germany	-	-	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-	3	6
	USAG Stuttgart, Germany	14	-	-	-	-	-	2	2	3	5	-	-	-	-	-	-	-	9	35
	USAG Vicenza, Italy	4	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	9	17
	Vilseck AHC, Germany	17	-	-	1	-	-	1	3	40	21	-	-	-	-	1	-	-	34	88
Total		84	2	2	1	2	5	1	17	14	54	96	1	1	2	1	1	3	223	510

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



Note: Dual influenza coinfections have been excluded from the graph.

Map 4. Influenza subtypes and activity level by country for the 2016-2017 surveillance year through Week 4 (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).

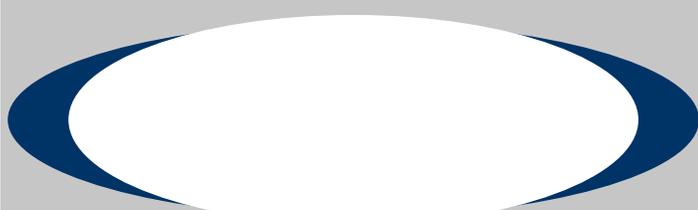
Sentinel Site Surveillance

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.

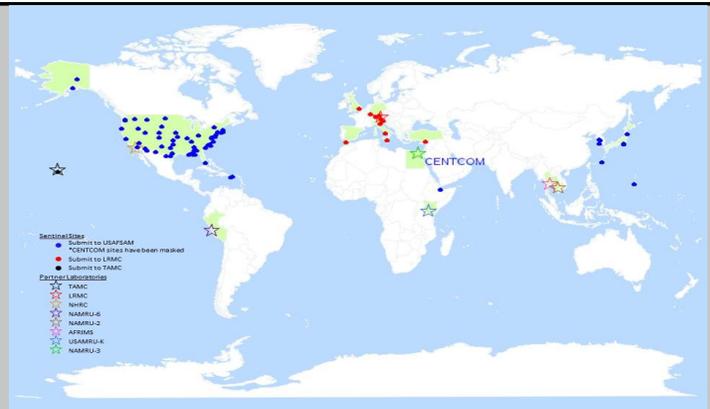
Errata:



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.

