USAF School of Aerospace Medicine & Defense Health Agency

DoD Global, Laboratory-Based, Influenza Surveillance Program

2016-2017

Cumulative Results

Locations	80
Collected	5,439
Tested	5,362

Influenza A	**1,381**
A(H1N1)pdm09	24
A(H1N1)pdm09 & Influenza B	1
A(H3N2)	1,349
A(H3N2) & Influenza B	3
A(H3N2) & Coronavirus & RSV	1
A(H3N2) & RSV	1
A(H3N2) & Rhino/Enterovirus	1
A/not subtyped	1

Influenza B*	**444**
B	443
B & Human Metapneumovirus & Rhino/Enterovirus	1

Other Respiratory Pathogens	**1,156**
Adenovirus	75
Bordetella pertussis	1
Chlamydophila pneumoniae	5
Coronavirus	122
Human Metapneumovirus	94
Mycoplasma pneumoniae	40
Parainfluenza	195
RSV	179
Rhinovirus/Enterovirus	306
Non-influenza Viral Coinfections	131
Non-influenza Bacterial Coinfections	8
-*M. pneumo* 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
30 July - 2 September 2017 (Surveillance Weeks 31 - 35)

- During 30 July - 2 September 2017, a total of 72 specimens were collected and received from 34 locations. Results were finalized for 56 specimens from 31 locations. During Weeks 34 and 35, one influenza A(H3N2) virus was identified during each week. No influenza viruses were identified during Weeks 31 - 33. Approximately 7% of specimens tested positive for influenza during Week 34 and 8% during Week 35. The influenza percent positive for the season is currently 34%.
- This report contains the monthly supplemental EUCOM report for surveillance through 2 September 2017. See pages 7 and 8 for more details.
- One additional human infection with a novel influenza A virus was reported by Ohio during Week 34. The person was infected with an influenza A(H1N2) variant (H1N2v) virus and reported exposure to swine in a fair setting during the week preceding illness onset. This patient was younger than 18 years of age, was not hospitalized, and has fully recovered from their illness. No human-to-human transmission of this virus has been identified. To date, a total of 20 variant virus infections has been reported in the United States during 2017. Eighteen of these were H3N2v viruses (Texas [1], North Dakota [1], Pennsylvania [1], and Ohio [15]) and two were H1N2v viruses (Ohio [2]) (CDC, FluView Report Week 34, cited 6 September 2017).

Table of Contents

Respiratory Highlights	Page 1
Results by Region and Location for Specimens Collected during Weeks 31-35	Page 2
Laboratory Results - Cumulative for Season and Demographic Summary	Page 3
Vaccination Status by Beneficiary Type and Service and Geographic Distribution of Influenza Subtype and Activity Level Maps	Page 4
Cumulative Results by Region and Location	Pages 5 & 6
Monthly Supplemental EUCOM Report	Pages 7 & 8
DoD Global, Laboratory-Based, Influenza Surveillance Program Background	Page 9

DoD Global, Laboratory-Based, Influenza Surveillance Program

Table 1. Finalized results by region and location for specimens collected during Weeks 31-35

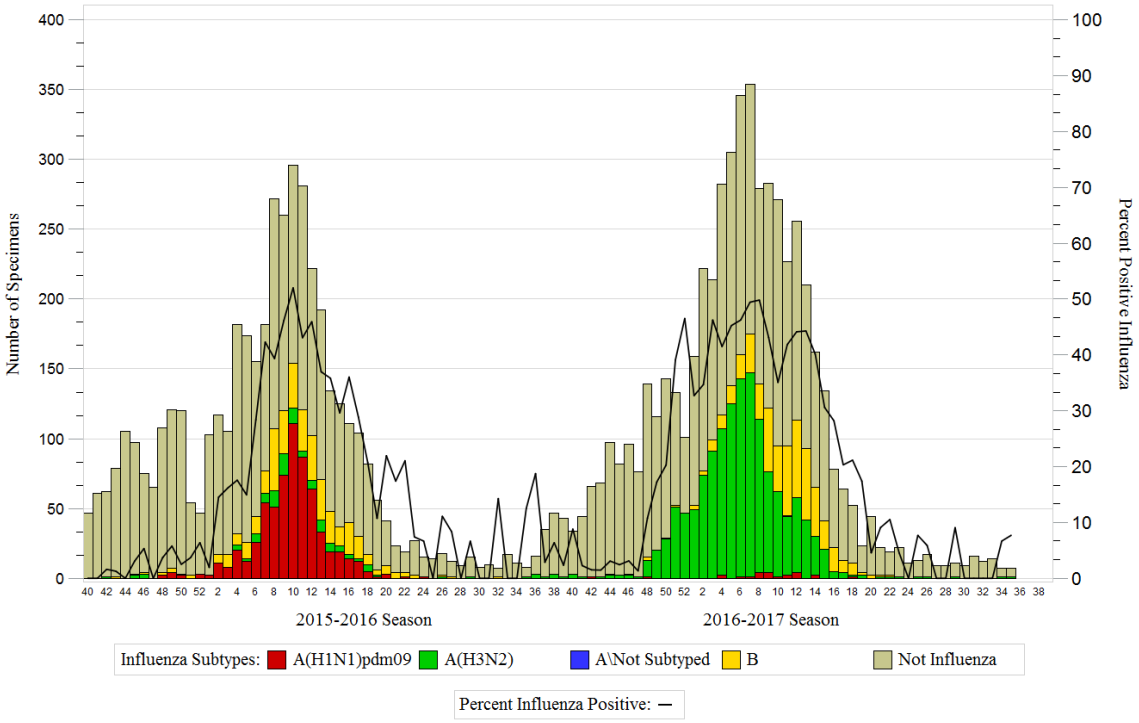
Region*		A(H3N2)	Adenovirus	Coronavirus	*M. pneumoniae*	Parainfluenza	RSV	Rhinovirus/Enterovirus	No Pathogen	Total
PACOM	Eielson AFB, AK	-	-	-	-	-	-	-	2	2
	Osan AB, South Korea	-	-	-	-	-	-	-	2	2
Region 2	Ft Drum, NY	-	-	-	-	-	-	-	1	1
	JB McGuire-Dix-Lakehurst, NJ	-	-	-	-	-	-	-	1	1
	USMA - West Point, NY	-	-	-	1	-	-	3	1	5
Region 3	JB Langley-Eustis, VA	-	-	-	-	-	1	-	-	1
Region 4	Columbus AFB, MS	-	-	-	-	-	-	-	1	1
	Eglin AFB, FL	-	-	-	-	-	-	-	1	1
	Hurlburt Field, FL	1	1	-	-	-	-	-	-	2
	Keesler AFB, MS	-	-	-	-	-	-	1	-	1
	MacDill AFB, FL	-	-	-	-	-	1	-	1	2
	Moody AFB, GA	-	-	-	-	1	-	-	1	2
	NH Beaufort, SC	-	-	-	-	-	-	-	1	1
	NH Camp Lejeune, NC	-	-	-	-	1	-	-	1	2
	Robins AFB, GA	-	-	-	-	-	-	1	-	1
	Seymour Johnson AFB, NC	-	-	-	-	-	-	-	1	1
Region 5	Wright-Patterson AFB, OH	-	-	-	-	-	-	-	1	1
Region 6	Altus AFB, OK	-	-	-	-	-	-	-	1	1
	Laughlin AFB, TX	-	-	-	-	-	-	-	2	2
	Sheppard AFB, TX	-	-	1	-	-	-	-	2	3
	Tinker AFB, OK	1	-	-	-	-	-	-	1	2
Region 7	Offutt AFB, NE	-	-	-	-	-	-	1	-	1
Region 8	Ellsworth AFB, SD	-	-	-	-	-	-	1	-	1
	FE Warren AFB, WY	-	-	-	-	-	-	-	1	1
	Minot AFB, ND	-	-	-	-	-	-	2	1	3
	USAF Academy, CO	-	-	-	-	-	-	-	3	3
Region 9	Davis-Monthan AFB, AZ	-	-	-	-	-	-	1	1	2
	Luke AFB, AZ	-	-	-	-	-	-	1	1	2
	Nellis AFB, NV	-	-	-	-	1	-	-	1	2
	Travis AFB, CA	-	-	-	-	-	-	-	1	1
Region 10	Fairchild AFB, WA	-	-	-	-	-	-	-	5	5
Total		2	1	1	1	3	2	11	35	56

**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: 2015-2016 surveillance year and through Week 35 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.

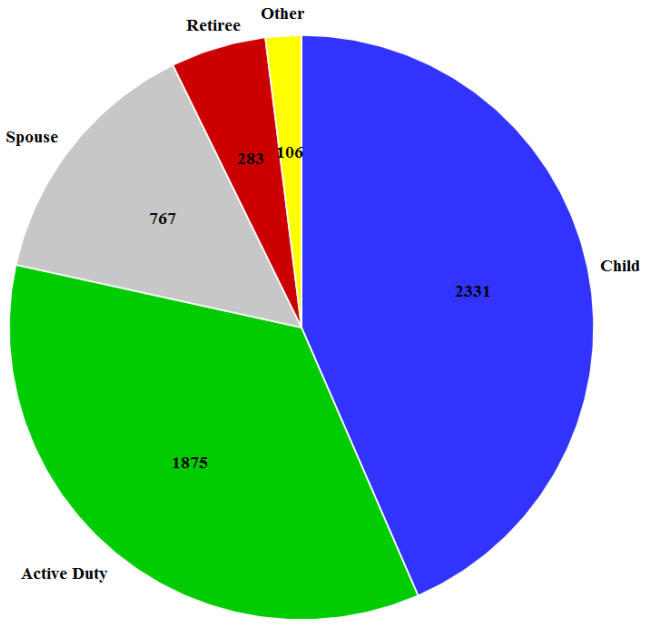
Table 2. ILI by age group for the 2016-2017 surveillance year through Week 35

Age Group	Frequency	Percent
0-5	1215	22.66
6-9	487	9.08
10-17	633	11.81
18-24	733	13.67
25-44	1653	30.83
45-64	522	9.74
65+	119	2.22

Demographic Summary

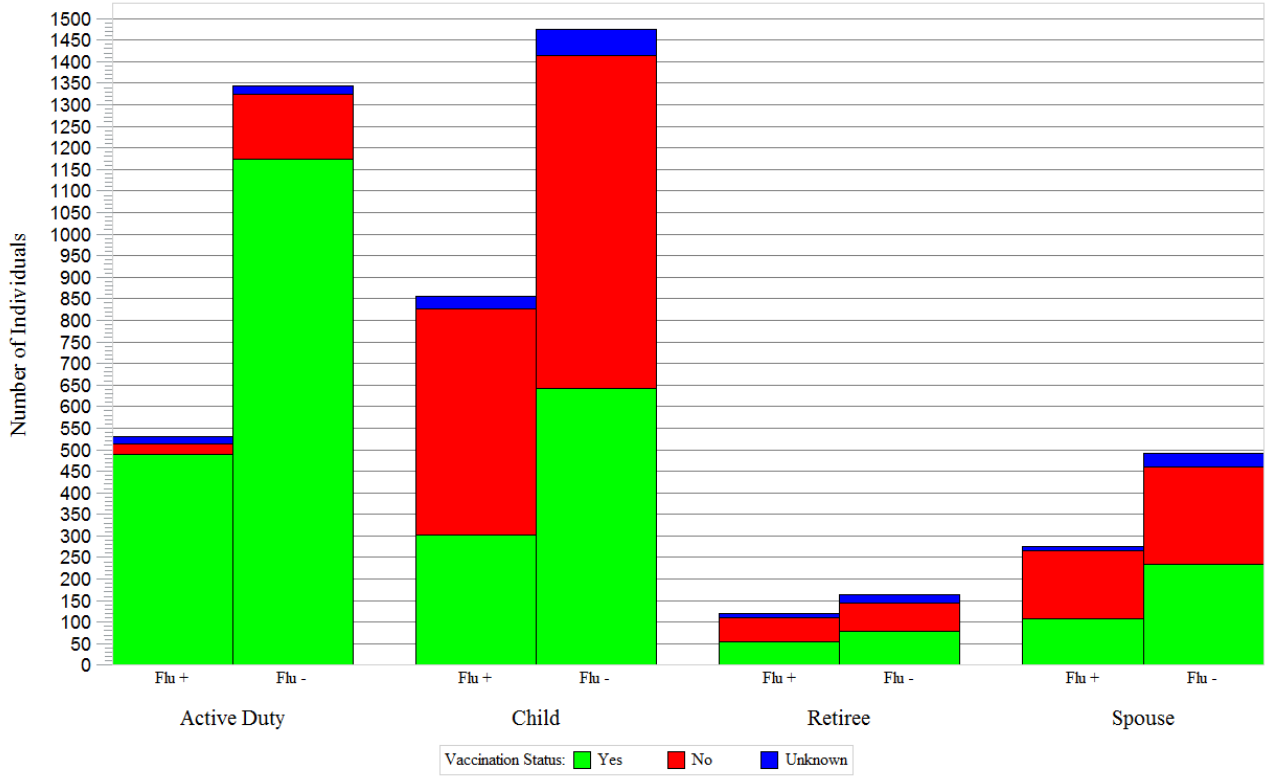
Of 5,362 ILI cases, 1,875 are service members (35.0%), 2,331 are children (43.5%), 767 are spouses (14.3%), and 389 (7.2%) are retirees and other beneficiaries. The median age of ILI cases with known age (n=5,362) is 21 (range 0, 96).

Graph 2. ILI by beneficiary status for the 2016-2017 surveillance year through Week 35

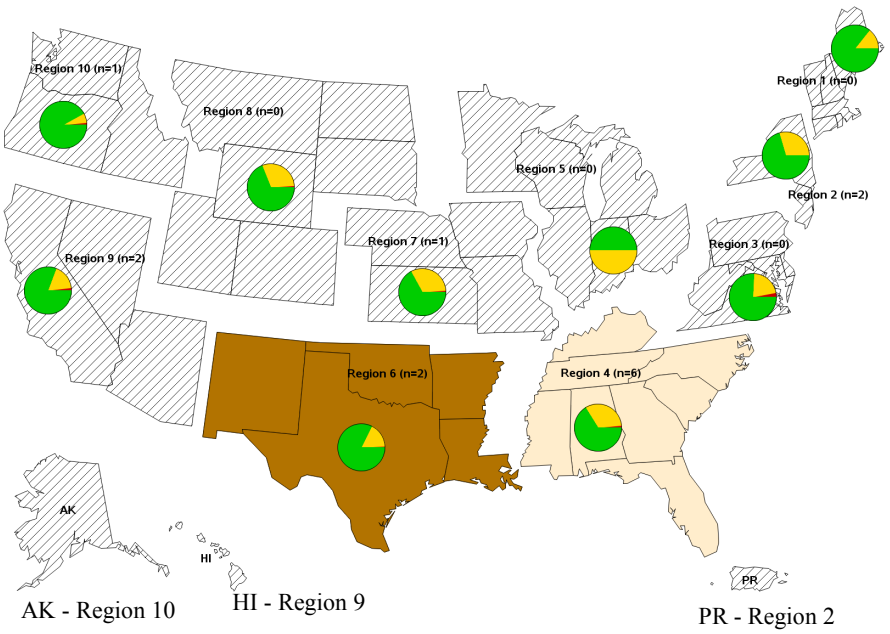


88ABW-2015-5508 and PA email guidance dated 10 November 2015.

Graph 3. Vaccination status by beneficiary type for the 2016-2017 surveillance year through Week 35 (excluding 'Other' beneficiary type)



Map 1. Influenza subtypes and activity level by U.S. region for the 2016-2017 surveillance year through Week 35*



Influenza Activity - Past 2 weeks

(n = # of finalized results)

- No activity (0% +) or no submissions
- Low (<25% +)
- Moderate (25-49% +)
- High (>50% +)

Influenza Results - Cumulative

- Influenza A(H3N2)
- Influenza A(H1N1)pdm09
- Influenza B
- Influenza A/not subtyped

* Region 6 may be artificially inflated due to low submissions

Laboratory Results—Through Current Surveillance Week 35

Table 3. 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(H1N1)pdm09 & B	A(H3N2) & B	A(H3N2) & Corona & RSV	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	B	B & hMNV & Rhino/Entero	Adenovirus	*B. pertussis*	*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	Incirlik AB, Turkey	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3	5
PACOM	CFA Okinawa, Japan	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6
	Eielson AFB, AK	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	2	-	7	12
	JB Elmendorf-Richardson, AK	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4	6
	JR Marianas - Andersen AFB, Guam	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	1	1	-	-	-	-	7	12
	Kadena AB, Japan	-	4	-	-	-	-	-	-	1	-	-	-	-	-	1	-	3	-	2	1	1	24	37
	Kunsan AB, South Korea	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	5
	Misawa AB, Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Osan AB, South Korea	-	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	9	14
	Tripler AMC, HI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Yokota AB, Japan	-	36	-	-	-	-	-	-	6	-	1	-	-	3	1	2	3	2	9	5	-	70	138
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	-	7	-	1	5	10	1	9	8	7	5	-	97	263
	JB McGuire-Dix-Lakehurst, NJ	-	54	-	-	-	-	-	-	2	-	3	-	-	6	9	2	10	6	12	5	-	86	195
	USMA - West Point, NY	-	86	-	-	-	-	-	-	15	-	12	-	-	5	7	3	11	13	13	8	-	158	331
Region 3	Dover AFB, DE	-	19	-	-	-	-	-	-	11	-	2	-	-	2	1	1	-	1	6	-	-	52	95
	JB Anacostia-Bolling, DC	-	14	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	1	-	-	-	-	19
	JB Andrews, MD	2	23	-	-	-	-	-	-	12	-	-	-	-	2	1	-	3	2	1	2	-	43	91
	JB Langley-Eustis, VA	6	149	-	1	1	-	-	-	31	-	1	-	-	4	10	2	12	21	38	11	-	262	549
	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	-	-	20	29
	Eglin AFB, FL	1	15	-	-	-	-	-	-	5	-	7	-	-	2	2	2	2	5	12	6	-	48	107
	Ft Bragg, NC	1	8	-	-	-	-	-	-	6	-	-	-	-	1	1	1	3	2	7	4	3	39	76
	Ft Campbell, KY	1	15	-	-	-	-	-	-	9	1	2	-	-	-	1	-	-	3	-	4	-	17	53
	Hurlburt Field, FL	-	19	-	-	-	-	-	-	6	-	3	-	-	1	-	1	1	2	4	1	-	28	66
	JB Charleston (AF), SC	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	18
	Keesler AFB, MS	-	2	-	-	-	1	-	-	-	-	-	-	-	-	1	-	3	3	6	3	-	19	38
	MacDill AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	7	10
	Maxwell AFB, AL	-	10	-	-	-	-	-	-	2	-	-	-	-	-	1	-	2	-	1	-	-	15	31
	Moody AFB, GA	-	36	-	-	-	-	-	-	45	-	1	-	-	2	7	1	15	9	18	14	1	95	244
	NH Beaufort, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4
	NH Camp Lejeune, NC	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	12	18
	NH Jacksonville, FL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	4	6
	Patrick AFB, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Robins AFB, GA	-	25	-	-	-	-	-	-	8	-	-	-	-	-	-	2	1	3	3	-	-	31	73
	Seymour Johnson AFB, NC	3	17	-	-	-	-	-	-	1	-	2	-	-	-	-	1	1	2	1	-	-	24	52
	Shaw AFB, SC	-	71	-	-	-	-	-	-	34	-	1	-	1	7	5	1	5	1	13	2	-	73	214
	Tyndall AFB, FL	-	11	-	-	-	-	-	-	5	-	1	-	-	-	-	-	-	-	-	-	-	-	17

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

(Cont'd on page 6)

Laboratory Results—Through Current Surveillance Week 35

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

(Cont'd from page 5)

Region*		A(H1N1)pdm09	A(H3N2)	A/not subtyped	A(H1N1)pdm09 & B	A(H3N2) & B	A(H3N2) & Corona & RSV	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	B	B & hMNV & Rhino/Entero	Adenovirus	*B. pertussis*	*C. pneumoniae*	Coronavirus	hMNV	*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	9	22
	Wright-Patterson AFB, OH	-	10	-	-	-	-	-	-	10	-	-	-	-	1	1	1	2	-	2	2	-	42	71
Region 6	Altus AFB, OK	-	7	-	-	-	-	-	-	1	-	1	-	-	1	1	-	1	5	7	4	-	41	69
	Barksdale AFB, LA	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	1	-	-	8	12
	Cannon AFB, NM	-	13	-	-	-	-	-	-	4	-	-	-	-	2	-	1	3	-	5	1	-	41	70
	Ft Polk, LA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	3
	JBSA Lackland, TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
	Laughlin AFB, TX	1	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	-	-	-	-	-	7	12
	Little Rock AFB, AR	-	12	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	13	26
	Sheppard AFB, TX	-	60	-	-	-	-	-	-	9	-	1	-	-	10	5	1	6	2	8	-	-	90	192
	Tinker AFB, OK	1	99	-	-	-	-	1	-	25	-	2	-	-	10	4	1	9	7	12	6	-	149	326
	Vance AFB, OK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12
Region 7	McConnell AFB, KS	-	25	-	-	-	-	-	-	18	-	1	-	-	4	-	1	4	5	9	3	-	37	107
	Offutt AFB, NE	1	32	-	-	-	-	-	-	9	-	1	-	-	6	2	-	2	1	10	1	-	62	127
Region 8	Ellsworth AFB, SD	-	14	-	-	-	-	-	-	15	-	-	-	-	3	-	-	3	1	4	-	-	39	79
	FE Warren AFB, WY	-	36	-	-	-	-	-	-	7	-	3	-	-	4	1	2	4	6	4	-	-	54	121
	Hill AFB, UT	-	30	-	-	-	-	-	-	5	-	-	-	-	3	1	1	8	4	5	2	-	48	107
	Malmstrom AFB, MT	-	7	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-	-	1	-	-	9	21
	Minot AFB, ND	1	25	-	-	-	-	-	-	15	-	-	-	-	3	2	1	1	6	8	3	-	48	113
	Peterson AFB, CO	1	19	-	-	-	-	-	-	12	-	-	1	-	3	-	-	3	11	4	4	-	32	90
	USAF Academy, CO	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	5	9
Region 9	Beale AFB, CA	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
	Davis-Monthan AFB, AZ	1	16	-	-	-	-	-	-	4	-	-	-	-	-	2	-	5	1	8	5	-	41	83
	Edwards AFB, CA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Luke AFB, AZ	-	-	-	-	-	-	-	-	5	-	1	-	-	2	-	-	1	3	3	1	-	22	38
	Nellis AFB, NV	1	3	-	-	-	-	-	-	4	-	3	-	-	1	-	-	5	4	5	7	-	34	67
	Travis AFB, CA	-	58	-	-	-	-	-	-	5	-	1	-	1	6	8	-	7	13	16	5	-	49	169
	Vandenberg AFB, CA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7
Region 10	CGS North Bend, OR	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4
	Fairchild AFB, WA	2	17	-	-	-	-	-	-	2	-	4	-	-	3	-	1	5	2	4	-	-	53	93
	JB Lewis-McChord, WA	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3
	Mt Home AFB, ID	-	23	-	-	-	-	-	-	1	-	1	-	1	1	-	1	23	12	12	5	-	79	159
	NH Bremerton, WA	-	67	-	-	-	-	-	-	5	-	8	-	1	3	1	2	8	7	7	4	-	27	140
Total		24	1349	1	1	3	1	1	1	443	1	75	1	5	122	94	40	195	179	306	131	8	2381	5362

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

Monthly EUCOM Respiratory Surveillance Supplemental Report Through 2 September 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 31-35

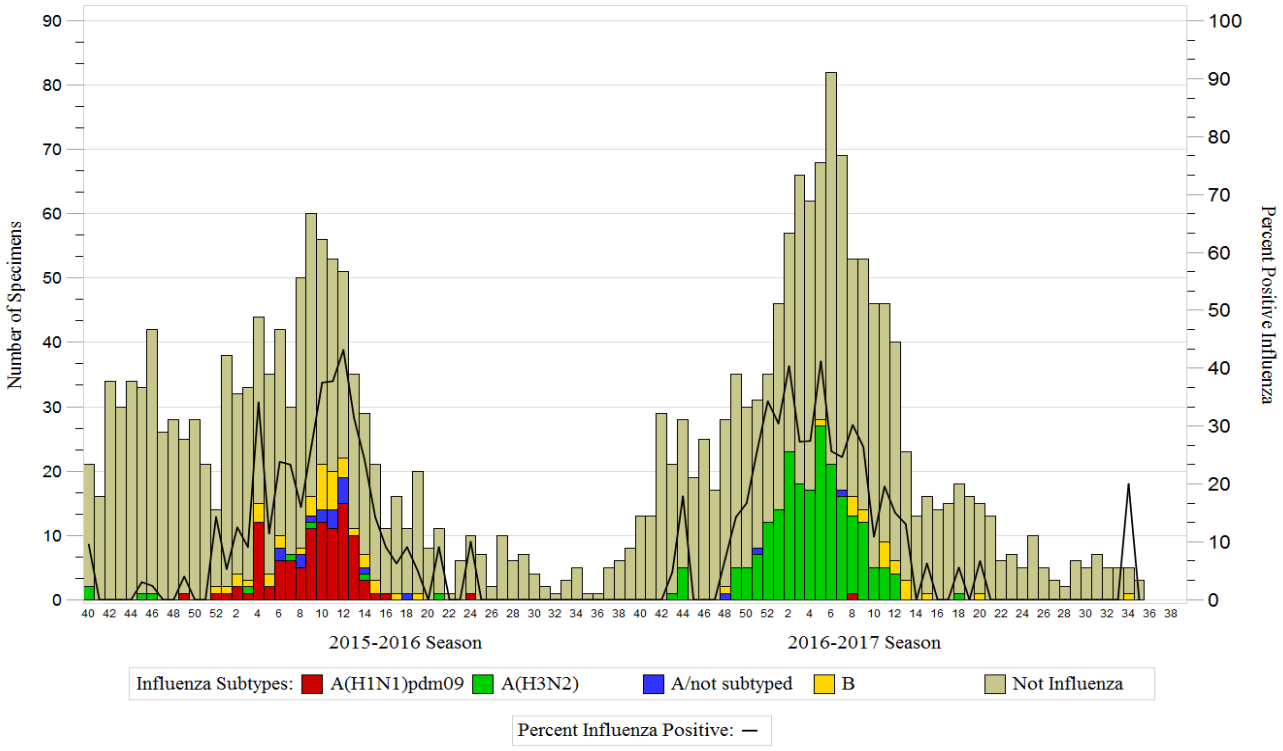
Region		B	hMNV	Parainfluenza	Rhinovirus/Enterovirus	Adeno & Rhino/Entero	No Pathogen	Total
EUCOM	Landstuhl RMC, Germany	-	-	-	1	1	12	14
	NSA Naples, Italy	-	-	-	-	-	2	2
	RAF Lakenheath, England	-	2	1	-	-	1	4
	Ramstein AB, Germany	1	-	-	-	-	2	3
	USAG Stuttgart, Germany	-	-	-	-	-	2	2
Total		1	2	1	1	1	19	25

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	Parainfluenza	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	Country 6, Location A	-	3	-	-	-	-	2	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	19	28
EUCOM	Aviano AB, Italy	-	-	-	-	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	11	15
	Landstuhl RMC, Germany	1	58	-	-	-	2	1	6	-	2	12	10	17	44	1	-	3	-	1	1	-	3	183	345
	NAS Sigonella, Italy	-	6	-	-	-	-	-	-	-	-	1	-	3	4	-	-	-	-	-	-	-	-	5	19
	NAVSTA Rota, Spain	-	2	1	-	-	-	-	-	-	-	2	4	5	10	-	-	-	-	-	-	-	-	32	56
	NSA Naples, Italy	-	10	-	-	-	-	1	-	-	-	2	4	4	10	-	-	-	-	-	-	-	-	33	64
	RAF Lakenheath, England	-	24	-	-	-	-	1	2	-	3	11	5	14	28	-	1	1	-	1	-	-	2	91	184
	Ramstein AB, Germany	-	24	1	-	-	-	-	3	-	1	8	3	12	21	-	-	1	-	-	-	1	-	58	133
	Spangdahlem AB, Germany	-	1	-	-	-	-	1	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	6	11
	USAG Stuttgart, Germany	-	17	-	-	-	-	-	1	1	-	5	3	7	17	-	-	-	-	-	-	-	-	33	84
	USAG Vicenza, Italy	-	14	1	2	-	-	-	-	-	-	3	-	2	2	-	-	-	-	-	-	-	-	27	51
	Vilseck AHC, Germany	-	40	-	-	1	-	-	4	-	1	14	16	31	30	-	-	1	1	-	2	3	-	93	237
Total		1	199	3	2	1	2	6	18	1	7	58	45	96	174	1	1	6	1	2	3	4	5	593	1229

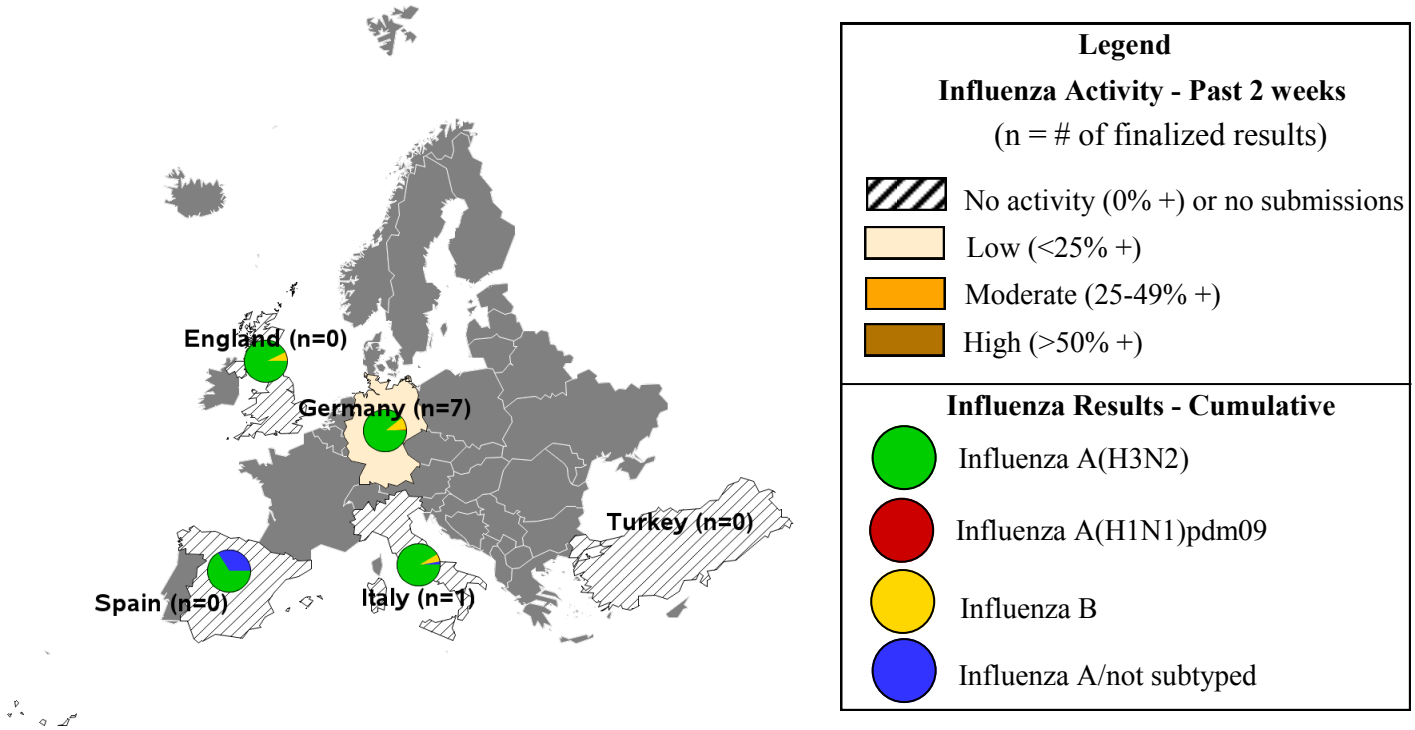
88ABW-2015-5508 and PA email guidance dated 10 November 2015.

Graph 4. Percent influenza positive by week: 2015-2016 surveillance year and through Week 35 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 (Europe)



USAF School of Aerospace Medicine & Defense Health Agency

DoD Global, Laboratory-Based, Influenza Surveillance Program

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.

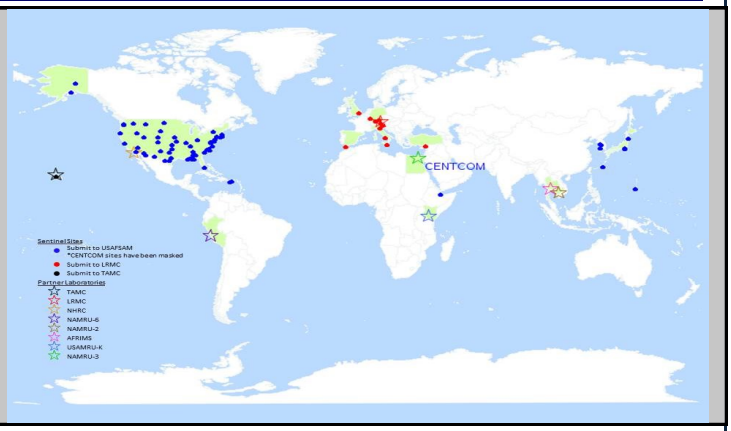
Available on our website (listed below) is a list of previous weekly surveillance reports, program information (including an educational briefing and instruction pamphlets for clinic staff), and a dashboard containing respiratory data for our sentinel sites.

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.

88ABW-2015-5508 and PA email guidance dated 10 November 2015.