USAF School of Aerospace Medicine & Defense Health Agency

DoD Global Respiratory Pathogen Surveillance Program

2017-2018

Cumulative Results

Locations	94
Collected	7,600
Tested	7,410

Influenza A	**1,911**
A(H1N1)pdm09	352
A(H1N1)pdm09 Coinfection	34
A(H1N1)pdm09 & A(H3N2)	2
A(H1N1)pdm09 & B	4
A(H3N2)	1,359
A(H3N2) Coinfection	139
A(H3N2) & B	7
A/not subtyped	11
A/not subtyped Coinfection	3
Influenza B*	**812**
B	742
B & Coinfection	70
Other Respiratory Pathogens	**2,246**
Adenovirus	77
Chlamydophila pneumoniae	9
Coronavirus	451
Human Bocavirus	13
Human Metapneumovirus	219
Mycoplasma pneumoniae	31
Parainfluenza	135
RSV	405
Rhinovirus/Enterovirus	620
Non-influenza Viral Coinfections	278
Non-influenza Bacterial Coinfections	8
-*C. pneumo* coinfections *(2)*	
-*M. pneumo* coinfections *(6)*	
No Pathogen Detected	**2,441**

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

4 February - 17 February 2018 (Surveillance Weeks 6 & 7)

- During 4 February - 17 February 2018, a total of 1,536 specimens were collected and received from 70 locations. Results were finalized for 1,421 specimens from 70 locations. The percent influenza positive for Week 6 and 7 were both 40%. The influenza percent positive for the season is approximately 37%.

Surveillance Week	A(H1N1)pdm09	A(H3N2)	A/not subtyped	A/not subtyped & Rhino/Entero	A(H1N1)pdm09 & B	A(H1N1)pdm09 & hMPV	A(H1N1)pdm09 & Rhino/Entero	A(H3N2) & B	A(H3N2) & Adeno	A(H3N2) & Corona	A(H3N2) & Corona & Rhino/Entero	A(H3N2) & hMPV	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	B	B & Corona	B & Corona & Rhino/Entero	B & HBoV	B & HBoV & hMPV	B & hMPV	B & RSV	B & Rhino/Entero	Total
Week 6	51	142	2	0	1	2	3	1	1	3	1	7	2	8	137	3	2	2	1	1	0	2	372
Week 7	30	61	1	1	1	0	1	1	0	1	0	1	2	2	87	3	0	1	0	2	1	1	197
Total	81	203	3	1	2	2	4	2	1	4	1	8	4	10	224	6	2	3	1	3	1	3	569

- The World Health Organization (WHO) has released its recommended composition of influenza virus vaccines for use in the 2018-2019 northern hemisphere influenza season. The WHO recommends the quadrivalent vaccine contain: an A/Michigan/45/2015 (H1N1)pdm09-like virus; an A/Singapore/INFIMH-16-0019/2016 (H3N2)-like virus; a B/Colorado/06/2017-like virus (B/Victoria/2/87 lineage); and a B/Phuket/3073/2013-like virus (B/Yamagata/16/88/lineage). For the trivalent vaccine, it is recommended the Influenza B component be a B/Colorado/06/2017-like virus of the B/Victoria/2/87-lineage. Due to considerable variation in the predominant virus type circulating in different regions during the period September 2017 to January 2018 there were two changes recommended from the 2017-2018 vaccine components: a new H3N2 component, changed from A/Hong Kong/4802/2014 (H3N2)-like; and a new B Victoria lineage component, changed from a B/Brisbane/60/2008-like virus. (World Health Organization, "Recommended composition of influenza virus vaccines for use in the 2018-2019 northern hemisphere influenza season", cited 23 February 2018.)

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DoD Global Respiratory Pathogen Surveillance Program

Table 1. Finalized results by region and location for specimens collected during Weeks 6 & 7

Region*		A(H1N1)pdm09	A(H3N2)	A/not subtyped	A/not subtyped & Rhino/Entero	A(H1N1)pdm09 & B	A(H1N1)pdm09 & hMPV	A(H1N1)pdm09 & Rhino/Entero	A(H3N2) & B	A(H3N2) & Adeno	A(H3N2) & Corona	A(H3N2) & Corona & Rhino/Entero	A(H3N2) & hMPV	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	B	B & Corona	B & Corona & Rhino/Entero	B & HBoV	B & HBoV & hMPV	B & hMPV	B & RSV	B & Rhino/Entero	Adenovirus	*C. pneumoniae*	Coronavirus	HBoV	hMPV	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Viral Coinfection	Non-Influenza Bacterial Coinfection	No Pathogen	Total
Deployed	Country 2, Location A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
EUCOM	Aviano AB, Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	3	6
	Incirlik AB, Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Landstuhl RMC, Germany	-	2	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	1	-	-	-	2	-	4	4	-	-	22	42
	NAS Sigonella, Italy	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	4
	NAVSTA Rota, Spain	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	4	8
	NSA Naples, Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
	RAF Lakenheath, England	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	-	-	4	11
	Ramstein AB, Germany	-	3	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	2	-	1	2	-	-	1	13
	SHAPE, Belgium	1	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	8	17
	Spangdahlem AB, Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	3
	USAG Baumholder, Germany	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
	USAG Grafenwoehr, Germany	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	2	-	2	-	-	-	6	14
	USAG Hohenfels, Germany	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	USAG Stuttgart, Germany	1	3	1	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	1	-	3	1	1	-	6	22
	USAG Vicenza, Italy	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2	-	-	1	6
	USAG Wiesbaden, Germany	2	2	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	2	-	2	5	-	-	18	39
	Vilseck AHC, Germany	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	3	9
PACOM	JR Marianas - Andersen AFB, Guam	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2
	Kadena AB, Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	5
	Misawa AB, Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Yokota AB, Japan	-	3	-	-	-	-	-	-	1	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	2	-	5	-	-	1	1	-	10	30
Region 1	Hanscom AFB, MA	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	USCG Academy, CT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3
Region 2	Ft Drum, NY	3	18	-	-	-	-	-	-	-	-	-	-	1	4	-	-	-	-	-	1	-	2	1	8	-	1	3	2	4	3	-	18	69
	JB McGuire-Dix-Lakehurst, NJ	-	3	-	-	-	-	-	-	-	-	-	-	-	5	1	1	-	-	-	-	1	-	-	2	-	1	-	1	2	-	-	5	22
	USMA - West Point, NY	7	10	-	-	1	1	-	-	-	-	-	1	-	15	-	-	1	-	-	-	-	-	-	4	-	1	1	2	3	2	-	25	74
Region 3	Dover AFB, DE	9	12	-	-	-	-	2	-	-	-	-	1	-	1	4	-	-	-	-	-	-	1	-	7	-	2	-	4	4	5	-	19	71
	JB Andrews, MD	2	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	1	-	5	15
	JB Langley-Eustis, VA	7	10	1	-	-	1	-	1	-	1	-	-	-	1	17	1	-	-	-	-	-	2	-	7	-	4	-	3	5	3	-	36	100
	US Naval Academy, MD	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Region 4	Columbus AFB, MS	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	1	6
	Eglin AFB, FL	2	4	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
	Ft Campbell, KY	7	6	-	-	-	-	-	-	-	-	1	-	-	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	1	-	1	25
	Hurlburt Field, FL	1	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	3	-	1	-	3	13
	Maxwell AFB, AL	-	5	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2	-	-	3	-	-	7	19
	Moody AFB, GA	1	7	-	1	-	-	-	-	-	-	2	-	1	5	-	-	1	-	1	-	-	-	-	3	1	-	-	-	3	-	-	11	37
	NH Beaufort, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
	Robins AFB, GA	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	6
	Seymour Johnson AFB, NC	-	6	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	5	14
	Shaw AFB, SC	2	5	-	-	-	-	1	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	2	-	-	-	-	4	4	-	12	34
	Tyndall AFB, FL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Cont'd on page 3

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

DoD Global Respiratory Pathogen Surveillance Program

Table 1. Finalized results by region and location for specimens collected during Weeks 6 & 7

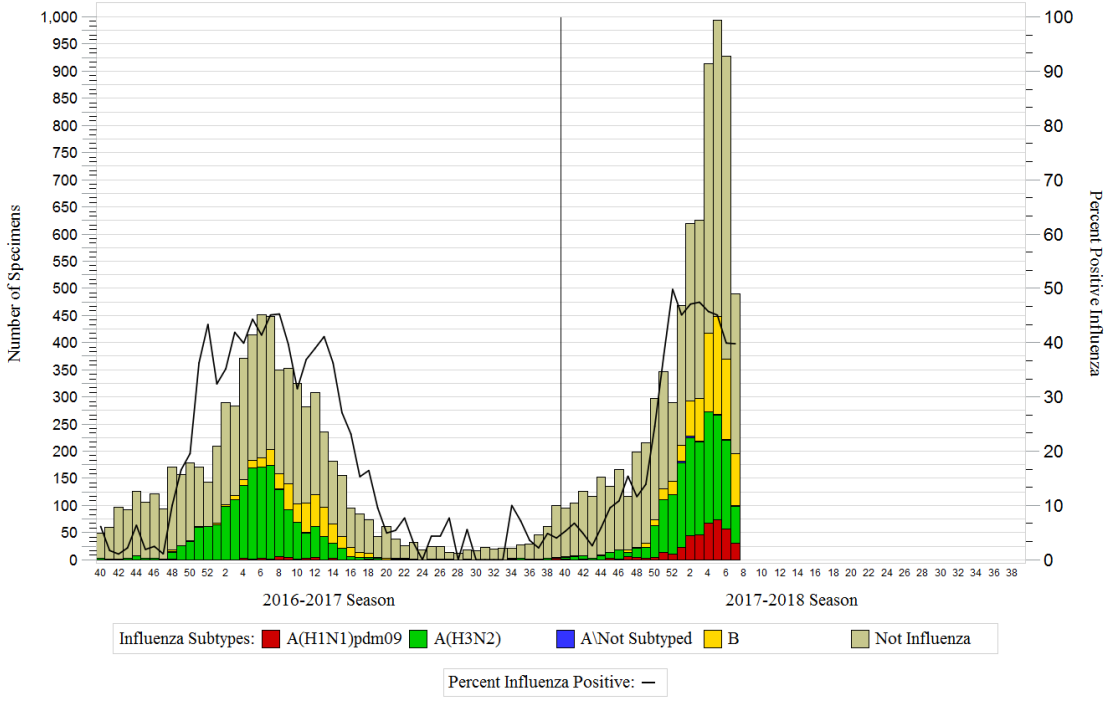
Region*		A(H1N1)pdm09	A(H3N2)	A/not subtyped	A/not subtyped & Rhino/Entero	A(H1N1)pdm09 & B	A(H1N1)pdm09 & hMPV	A(H1N1)pdm09 & Rhino/Entero	A(H3N2) & B	A(H3N2) & Adeno	A(H3N2) & Corona	A(H3N2) & Corona & Rhino/Entero	A(H3N2) & hMPV	A(H3N2) & RSV	A(H3N2) & Rhino/Entero	B	B & Corona	B & Corona & Rhino/Entero	B & HBoV	B & HBoV & hMPV	B & hMPV	B & RSV	B & Rhino/Entero	Adenovirus	*C. pneumoniae*	Coronavirus	HBoV	hMPV	Parainfluenza	RSV	Rhinovirus/Enterovirus	Non-Influenza Viral Coinfection	Non-Influenza Bacterial Coinfection	No Pathogen	Total
Region 5	Scott AFB, IL	-	5	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	1	-	-	-	-	-	-	-	1	-	-	2	-	-	3	18
	Wright-Patterson AFB, OH	20	22	-	-	1	-	-	1	-	2	-	1	2	-	28	-	-	-	-	-	-	1	-	-	11	-	8	-	9	7	5	-	51	169
Region 6	Altus AFB, OK	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	3	1	2	-	2	3	-	-	18	32
	Cannon AFB, NM	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	5	9
	JBSA Lackland, TX	1	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5
	Kirtland AFB, NM	-	3	-	-	-	-	-	-	-	-	-	-	-	1	5	1	-	-	-	-	-	-	-	-	3	-	-	-	1	1	-	-	8	23
	Laughlin AFB, TX	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3	1	-	8	16
	Little Rock AFB, AR	-	5	-	-	-	-	-	-	-	-	-	-	-	-	8	1	-	-	-	-	-	-	-	-	3	-	2	1	2	3	2	-	19	46
	Sheppard AFB, TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	1	-	1	-	-	4	-	1	1	-	5	-	-	23	51
	Tinker AFB, OK	2	10	-	-	-	-	-	-	-	-	-	-	1	-	16	-	-	-	-	-	-	-	-	-	8	-	3	-	1	5	1	-	18	65
	Vance AFB, OK	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	3	1	-	-	10	18
Region 7	McConnell AFB, KS	3	4	-	-	-	-	1	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	14
	Offutt AFB, NE	1	6	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	4	-	-	-	-	3	1	-	10	30
Region 8	Ellsworth AFB, SD	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	-	8	14
	FE Warren AFB, WY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
	Hill AFB, UT	2	2	-	-	-	-	-	-	-	1	-	-	-	1	6	-	-	-	-	-	-	-	-	-	2	-	1	-	1	2	-	-	11	29
	Malmstrom AFB, MT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
	Minot AFB, ND	-	7	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	3	-	1	-	1	1	3	-	8	26
	Peterson AFB, CO	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	1	-	1	-	3	1	2	-	3	16
	USAF Academy, CO	-	4	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	2	1	-	-	3	1	1	-	4	20
Region 9	Davis-Monthan AFB, AZ	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	7	-	3	-	1	17
	Luke AFB, AZ	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5
	Nellis AFB, NV	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	4
Region 10	Eielson AFB, AK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
	Fairchild AFB, WA	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	5	10
	JB Elmendorf-Richardson, AK	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Mt Home AFB, ID	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	1	-	-	5
	NH Bremerton, WA	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	1	8
Total		81	203	3	1	2	2	4	2	1	4	1	8	4	10	224	6	2	3	1	3	1	3	8	1	90	4	59	7	70	98	49	1	465	1421

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

Cumulative Laboratory Results

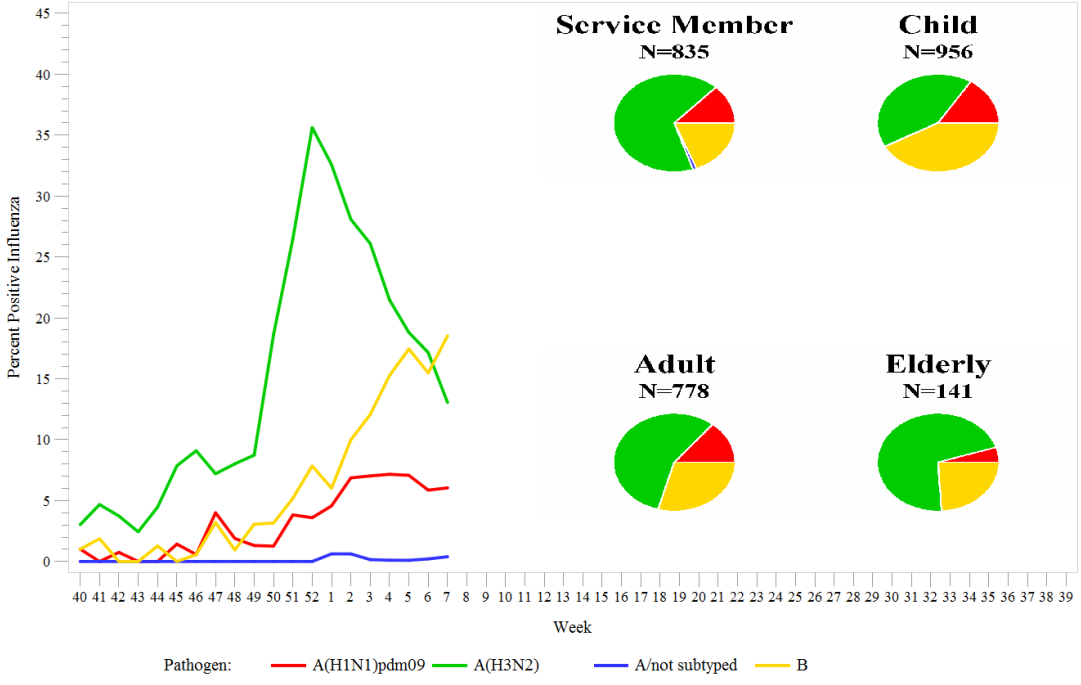
Link to cumulative results by region and location:

Graph 1. Percent influenza positive by week: 2016-2017 surveillance year and through Week 7 of the 2017-2018 surveillance year



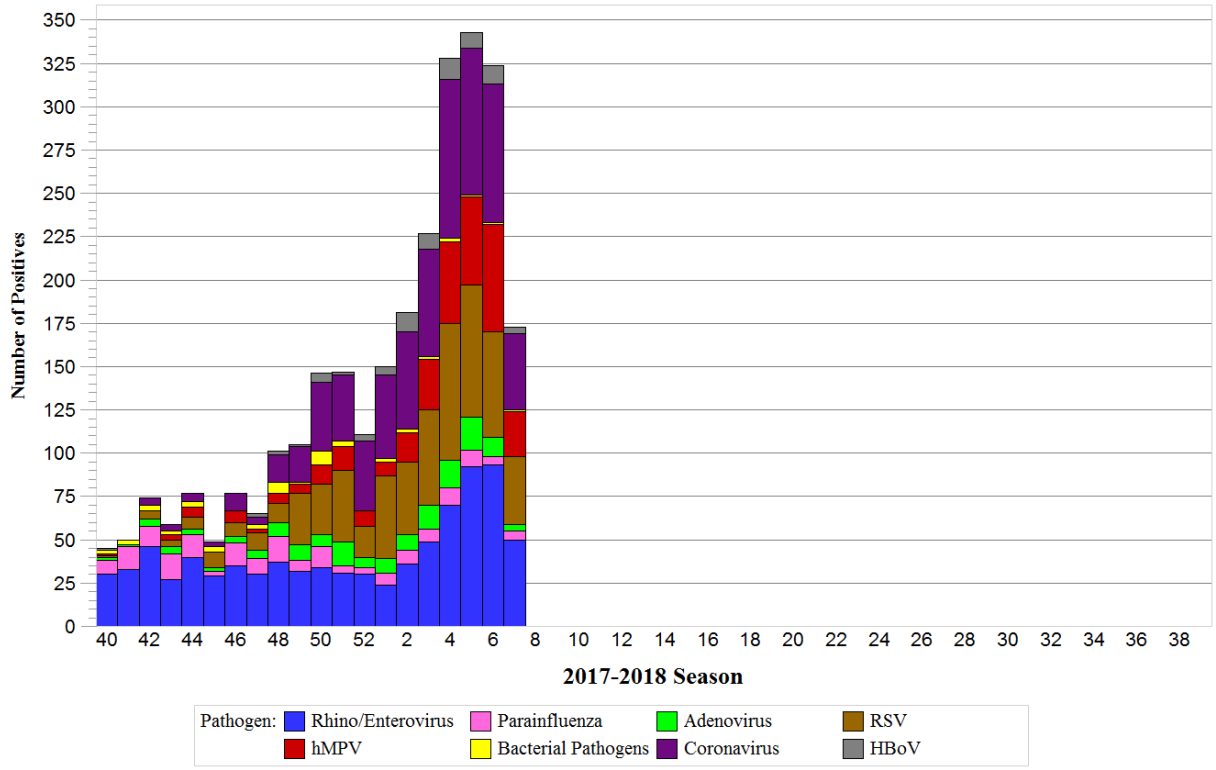
Note: Dual influenza coinfections are excluded from this graph.

Graph 2. Percent positive for influenza through ILI trends by subtype and beneficiary status through Week 7 of the 2017-2018 surveillance year

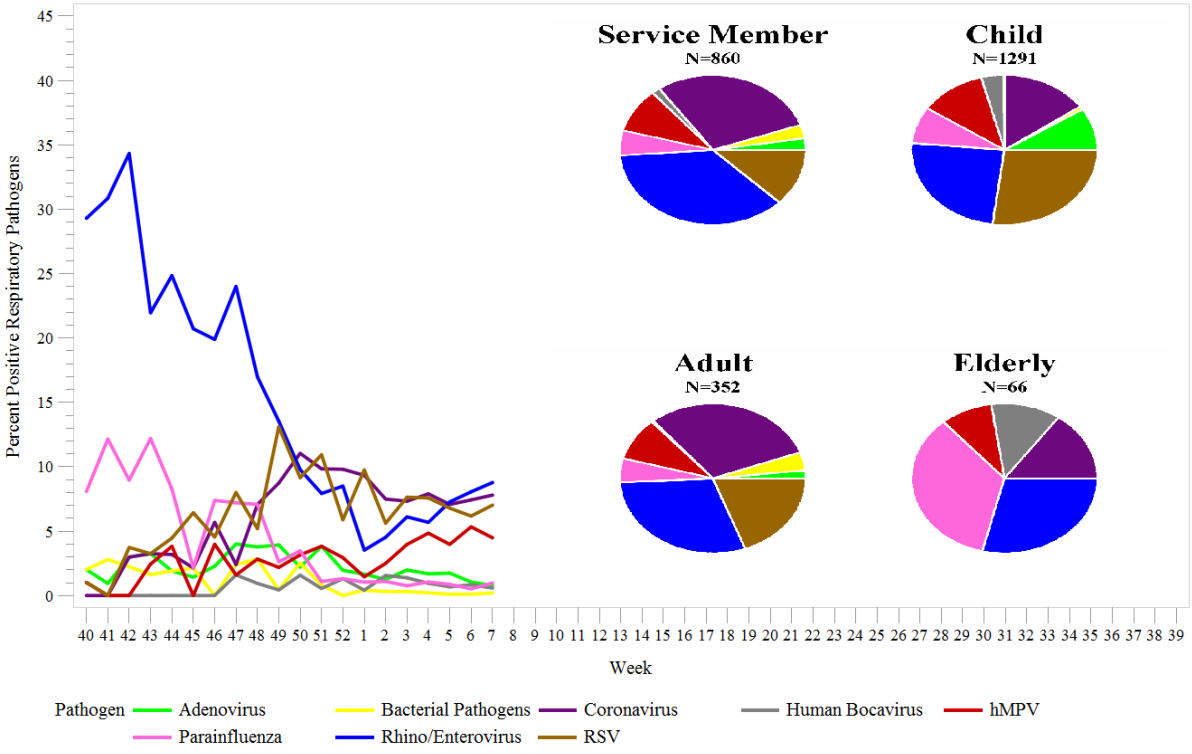


Note: Dual influenza coinfections are excluded from this graph.

Graph 3. Other positive respiratory pathogens through Week 7 of the 2017-2018 surveillance year



Graph 4. Percent positive for respiratory pathogens through ILI trends by week and beneficiary status through Week 7 of the 2017-2018 surveillance year



Graph 5. Vaccination status by beneficiary type through Week 7 of the 2017-2018 surveillance year (excluding 'Other' beneficiary type)

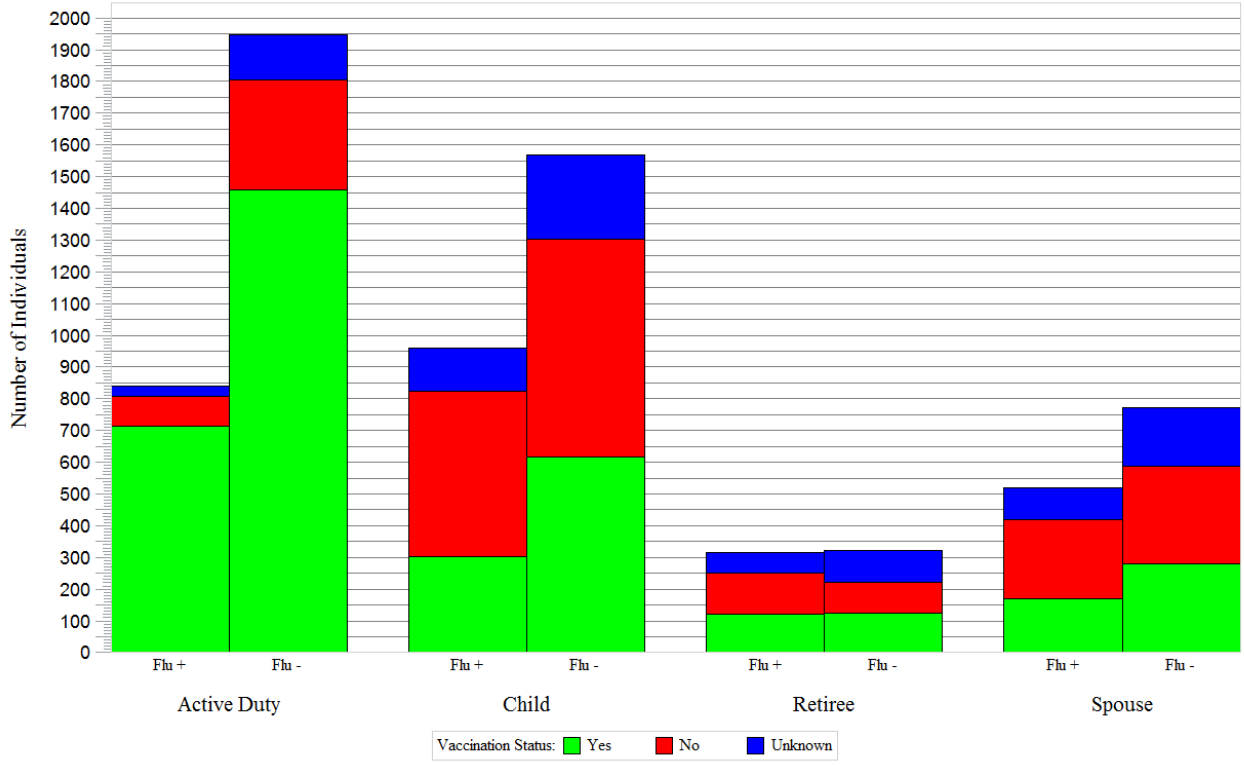
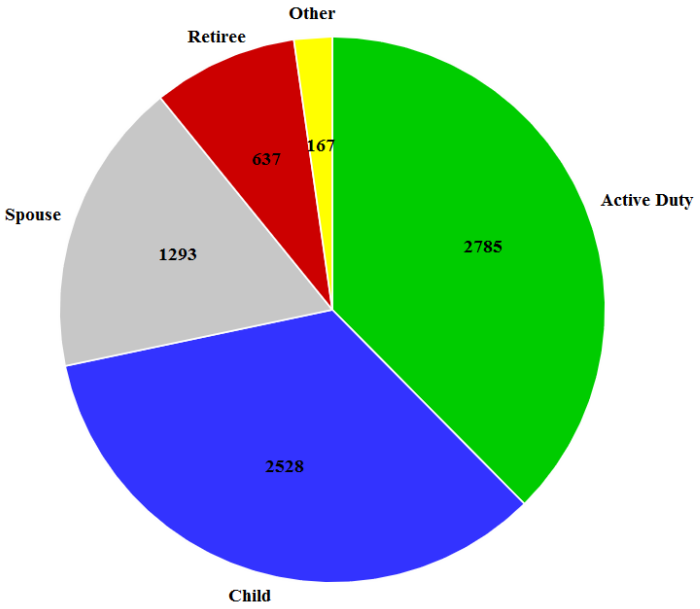


Table 2. ILI by age group through Week 7 of the 2017-2018 surveillance year

Age Group	Frequency	Percent
0-5	1439	19.42
6-9	482	6.50
10-17	671	9.06
18-24	1090	14.71
25-44	2371	32.00
45-64	978	13.20
65+	379	5.11

Graph 6. ILI by beneficiary status through Week 7 of the 2017-2018 surveillance year

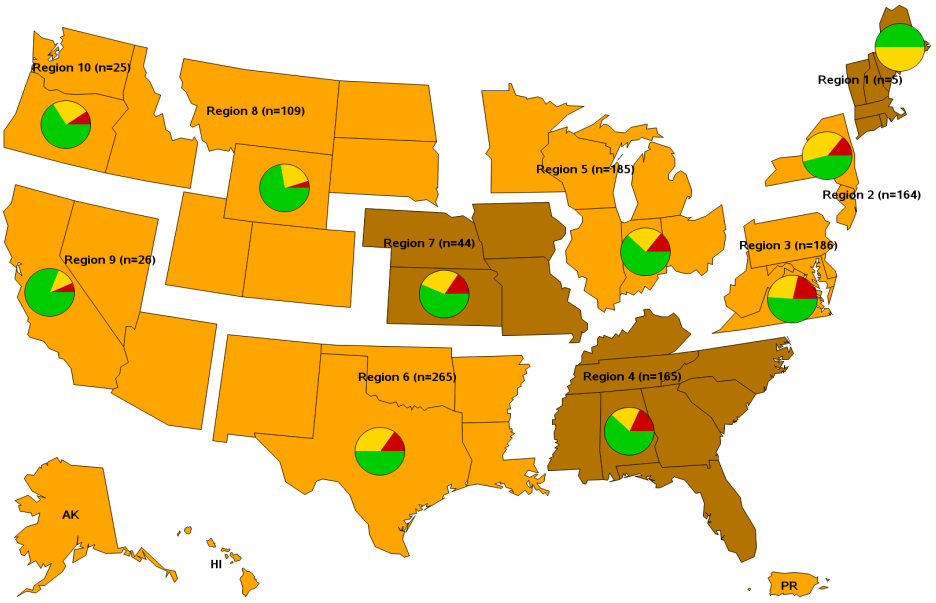


Demographic Summary

Of 7,410 ILI cases, 2,785 are service members (37.6%), 2,528 are children (34.1%), 1,293 are spouses (17.4%), and 804 are retirees and other beneficiaries (10.9%). The median age of ILI cases with known age (n=7,410) is 25 (range 0, 98).

DoD Global Respiratory Pathogen Surveillance Program

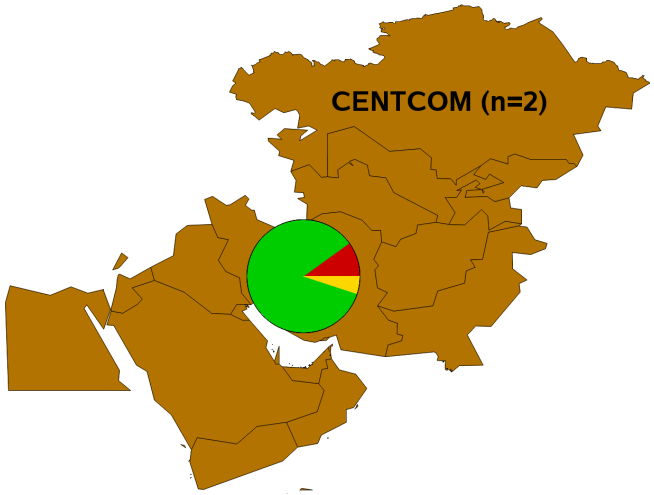
Map 1. Influenza subtypes and activity level by U.S. region through Week 7 of the 2017-2018 surveillance year



HI - Region 9
AK - Region 10

PR - Region 2

Map 2. Influenza subtypes and activity level for CENTCOM through Week 7 of the 2017-2018 surveillance year



Legend

Influenza Activity - Past 2 weeks

(n = # of submissions)

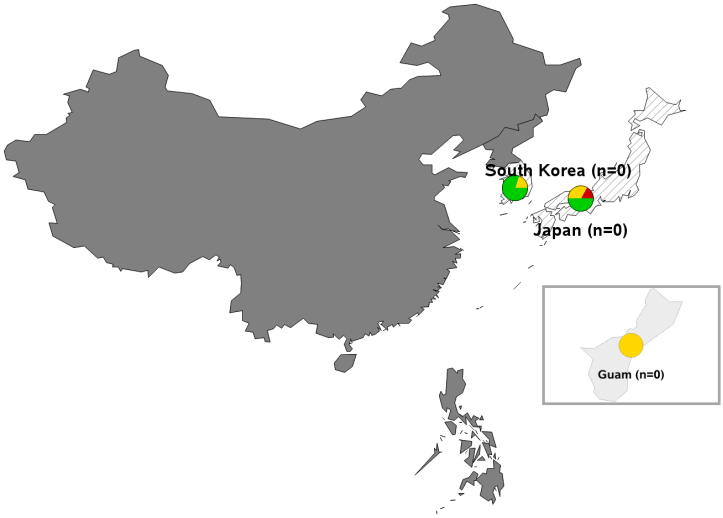
- No activity (0% +) or no submissions
- Low (<25% +)
- Moderate (25-49% +)
- High (>50% +)

Influenza Results - Cumulative

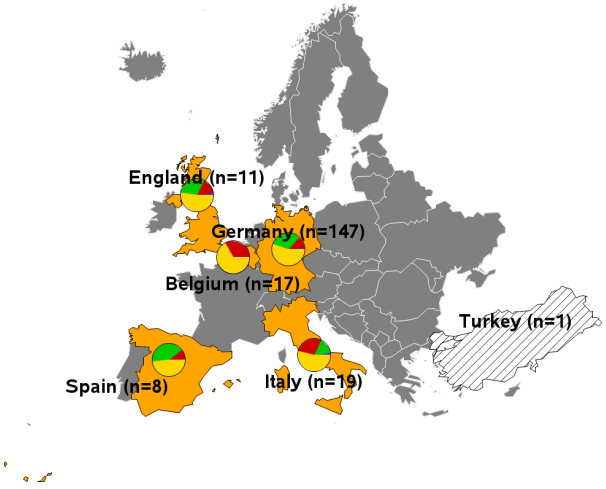
- Influenza A(H3N2)
- Influenza A(H1N1)pdm09
- Influenza B
- Influenza A/not subtyped

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

Map 3. Influenza subtypes and activity level by country through Week 7 of the 2017-2018 surveillance year (Pacific)



Map 4. Influenza subtypes and activity level by country through Week 7 of the 2017-2018 surveillance year (Europe)



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

Legend

Influenza Activity - Past 2 weeks

(n = # of submissions)

- 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

Table 3. Cumulative specimens submitted for sequencing only by location through Week 7 of the 2017-2018 surveillance year.

Location	Number Received	Number Tested
Aviano AB, Italy	1	1
Ft Bliss, TX	6	0
Ft Bragg, NC	1	0
Ft Hood, TX	6	3
Keesler AFB, MS	237	116
Landstuhl RMC, Germany	64	4
NAVSTA Rota, Spain	1	0
NCRM - Walter Reed NMMC, MD	6	2
NMC Portsmouth, VA	5	0
NSA Naples, Italy	1	0
Nellis AFB, NV	1	1
RAF Lakenheath, England	8	0
Ramstein AB, Germany	4	2
SAMMC, TX	849	62
SHAPE, Belgium	1	1
Tripler AMC, HI	6	0
USAG Baumholder, Germany	1	0
USAG Stuttgart, Germany	5	0
USAG Wiesbaden, Germany	4	0
Vilseck AHC, Germany	4	1
Total	**1211**	**193**

USAF School of Aerospace Medicine & Defense Health Agency

DoD Global Respiratory Pathogen 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 79 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, USAMRD-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. EUCOM respiratory data is obtained from LRMC and incorporated into our weekly report. This process seeks to provide more timely results and efficient transport of specimens.

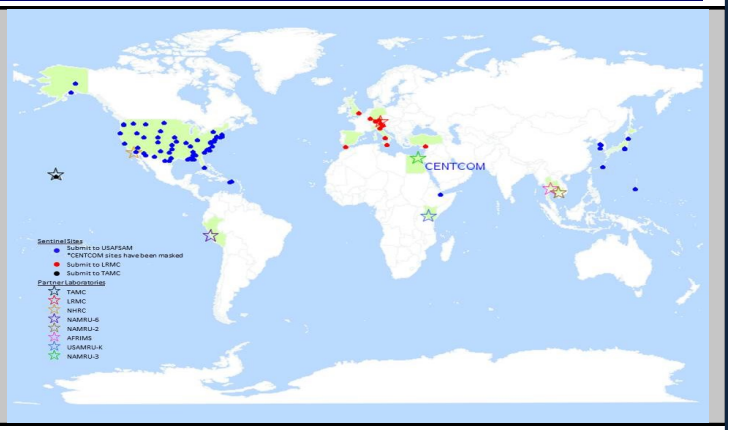
Available on our website (listed below) is a list of previous weekly surveillance reports, program information (including an educational briefing and instruction pamphlets for clinic staff), and a dashboard containing respiratory data for our sentinel sites.

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.