DoD Consolidated Influenza Surveillance Report

Week 08 (16 February 2020— 22 February 2020)













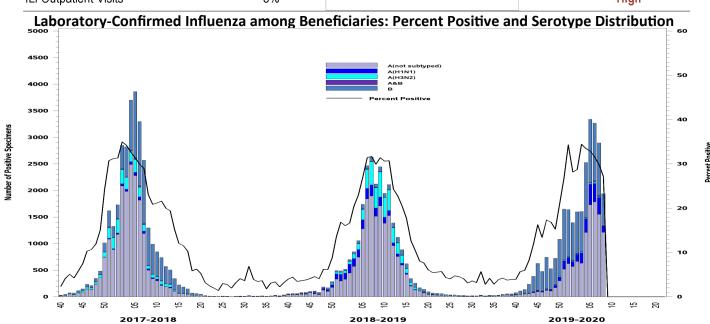


One Page Summary: Weekly Highlights

- Among all beneficiaries, laboratory-confirmed influenza cases and dispensed antiviral prescription counts continued to decrease. Inpatient counts among all beneficiaries also decreased.
- Among active component Service Members, laboratory-confirmed influenza cases decreased, but remained elevated. Antivirals prescriptions decreased. Influenza-like illness (ILI) activity increased and remained high.
- Fourteen installations had high ILI activity. (decrease)
- Influenza A and B each continued to account for roughly half of the positive specimens in NORTHCOM. Influenza A continued to predominate in all other combatant commands with data; influenza A(H1N1) predominating among subtyped specimens.
- Fifteen new laboratory-confirmed influenza hospitalizations were reported for week 08 (Season total: 178).

Influenza Surveillance Indicators (2019-2020 season)

All Beneficiaries	Total Per Week	·	Trend	Activity Level
Laboratory Cases	1949		▼	Normal
Dispensed Antivirals	2693		▼	Normal
Severity				Activity Level
Inpatient Laboratory Cases	16		▼	Low
Inpatient Dispensed Antivirals	60		▼	Normal
Active Component				Activity Level
Laboratory Cases	475			Elevated
Dispensed Antivirals	623		▼	Low
ILI Outpatient Visits	3%		4 >	High

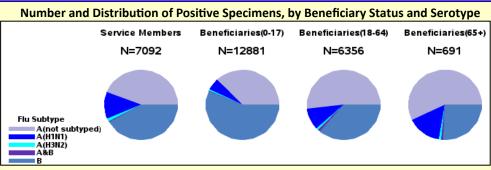


Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

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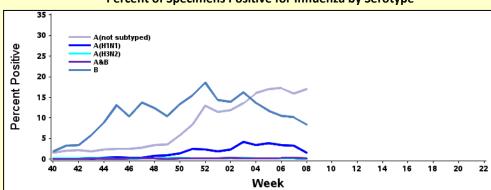
Laboratory-Confirmed Influenza (2019-2020 Season: Week 08)

 Children continued to have the highest number of laboratoryconfirmed influenza positive specimens at 12,881; Service Members continued to have the second highest count at 7,092.

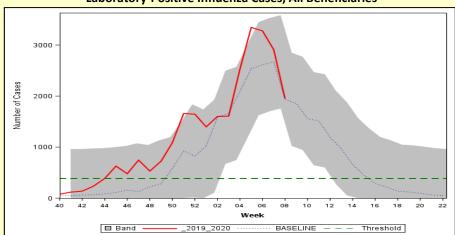


Percent of Specimens Positive for Influenza by Serotype

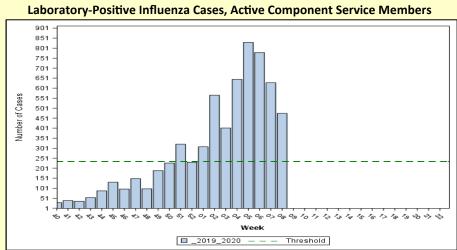
 Influenza A continued to have the highest proportion of laboratoryconfirmed influenza positive specimens compared to influenza B among all beneficiaries.



- Laboratory-Positive Influenza Cases, All Beneficiaries
- The number of laboratory-confirmed cases among all beneficiaries continued to decrease and remained similar to the weekly baseline, but well above the threshold.
- Band indicates one standard deviation above and below seasonal baseline estimates. Threshold indicates two standard deviations above off-season average.



- The number of active component Service Member laboratory-confirmed cases continued to decrease, but remained well above the threshold.
- Threshold indicates two standard deviations above seasonal baseline estimates.

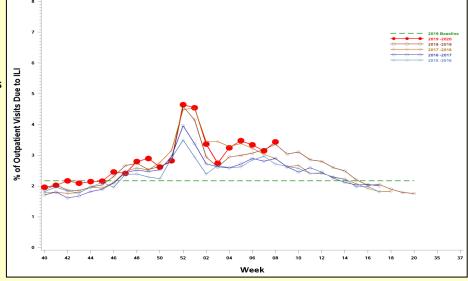


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ILI and Dispensed Antiviral Prescriptions (2019-2020 Season: Week 08)

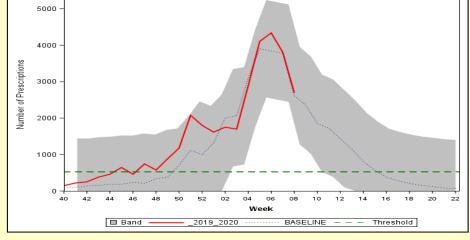
Percent of Outpatient Visits Due to ILI: Service Members, 2015-2016 to 2019-2020 Seasons

 The percent of outpatient visits due to ILI among Service Members increased and remained above baseline. Percents were similar to the 2018-2019 season.



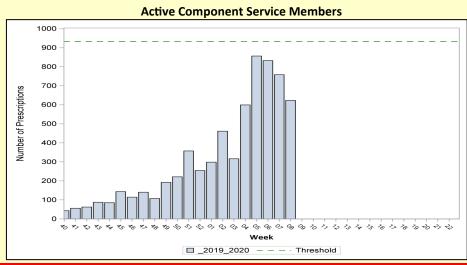
Influenza-Specific Dispensed Antiviral Prescriptions, All Beneficiaries

- Dispensed antiviral prescriptions among all beneficiaries continued to decrease and were similar to the weekly baseline, but remained well above the threshold.
- Band indicates one standard deviation above and below seasonal baseline estimates. Threshold indicates two standard deviations above off-season average.



Influenza-Specific Dispensed Antiviral Prescriptions:

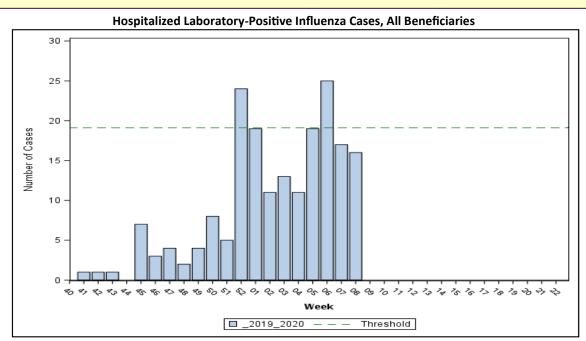
- Dispensed antiviral prescriptions among active component Service
 Members continued to decrease, but remained high for the season.
- Threshold indicates two standard deviation above the overall weighted average during the season.



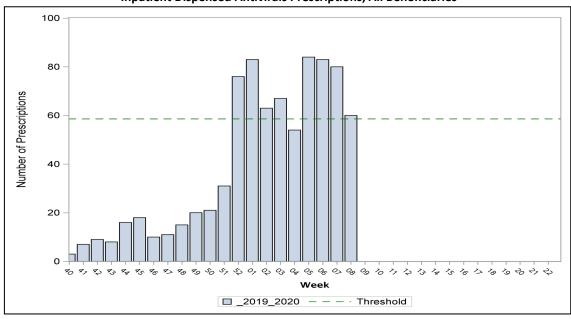
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Severity: Hospitalized Influenza Metrics (2019-2020 Season: Week 08)

- Fifteen new laboratory-confirmed influenza hospitalizations were reported for week 08; 1 Service Member (SM) and 14 other beneficiaries (BN)
 - Nine influenza A (H1N1): Camp Pendleton (1), NMC San Diego (3), Ft. Bliss (1), JB San Antonio (1), Ft. Hood (1), and NMC Portsmouth (2)
 - Four influenza A (not subtyped): JB Elmendorf-Richardson (1), WRNMMC (1), Ft. Leonard Wood (1), and Ft. Hood (1)
 - Two influenza B: NMC San Diego (1) and Ft. Gordon (1: SM)
- There have been 178 laboratory-confirmed influenza hospitalizations this season (17 SM / 161 BN)
- The number of inpatient dispensed antiviral prescriptions decreased, but remained just above the threshold.
- Thresholds indicates one standard deviation above the overall weighted average during the season.



Inpatient Dispensed Antivirals Prescriptions, All Beneficiaries



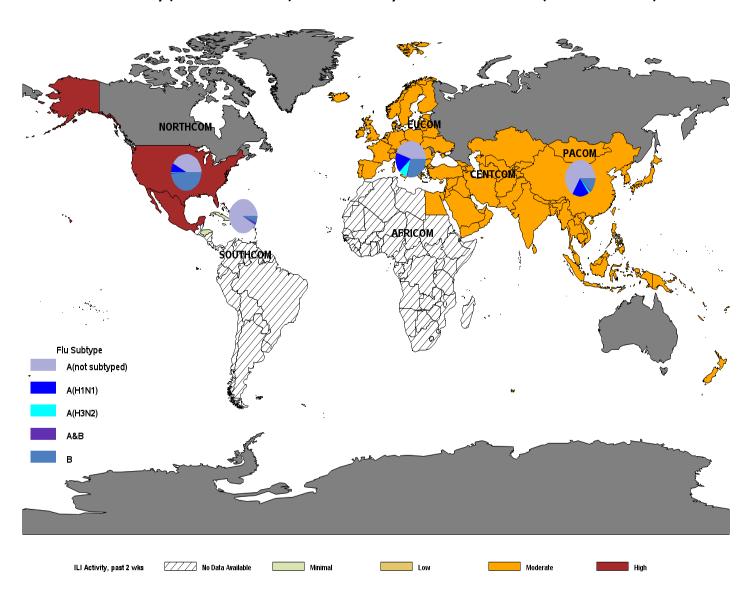
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Influenza Activity: Geographic Combatant Command

(2019-2020 Season: Week 08)

- NORTHCOM: ILI activity remained high. Influenza A and B each continued to account for roughly half of the positive specimens. Among subtyped influenza A specimens, A(H1N1) has predominated.
- EUCOM: ILI activity remained moderate. Among positive specimens, the majority continued to be influenza A.
- INDOPACOM: ILI activity remained moderate. The majority of positive specimens continued to be influenza A. Among subtyped influenza A specimens, the majority were A(H1N1).
- SOUTHCOM: ILI activity remained minimal. The majority of specimens continued to be influenza A (not subtyped).
- CENTCOM: ILI activity decreased to moderate.

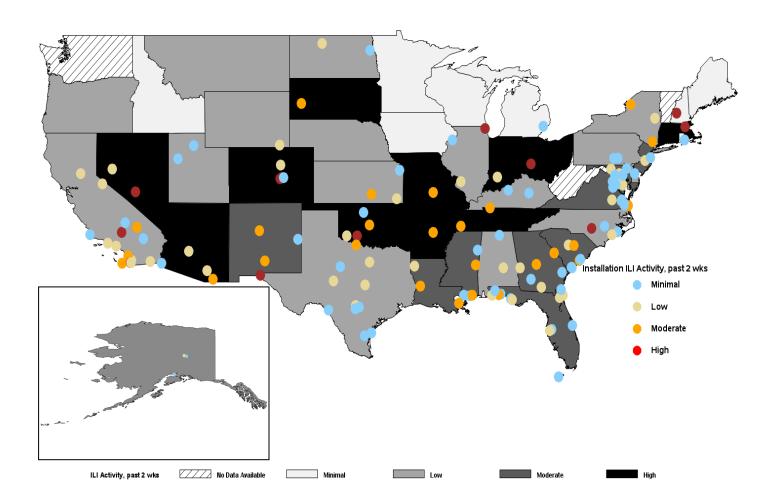
ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)



^{*}Locations colored in dark gray have no Service Member medical encounter data.

Influenza Activity: NORTHCOM (2019-2020 Season: Week 08)

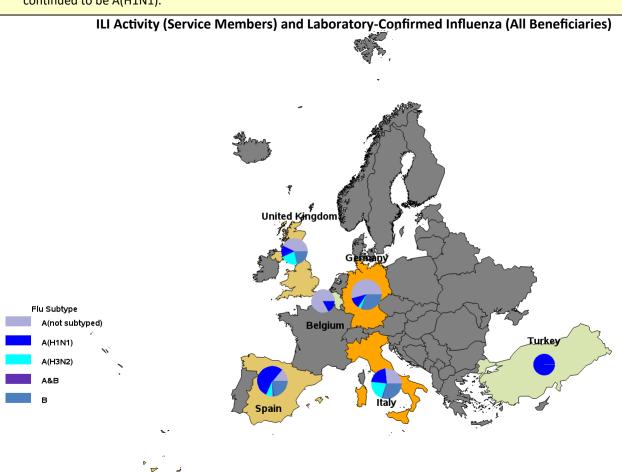
- The majority of installations had minimal to low ILI activity. However, 31 installations had moderate ILI activity and 14 installations had high ILI activity.
- At the state level, ILI activity decreased and was low to moderate for the majority of states. However, 11 states continued to have high activity.
- State level data includes both Military Treatment Facility (MTF) and outsourced care. Therefore, state activity levels may differ from the installation level data.
- Installation-level laboratory data can be found on pages 11-13 of the report.



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Influenza Activity: EUCOM (2019-2020 Season: Week 08)

- ILI activity increased to moderate in Italy and low in the United Kingdom. Activity remained moderate in Germany and minimal in Belgium and decreased to low in Spain and minimal in Turkey.
- The majority of positive specimens in the past 2 weeks were influenza A. Among subtyped influenza A specimens, the majority continued to be A(H1N1).

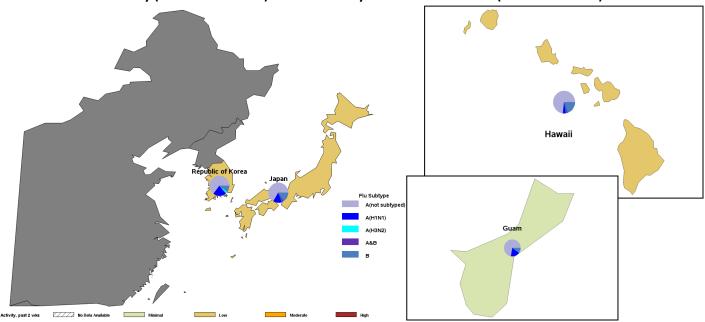


			A (not sub-										Total	Total		
Country	Location	Service	ty	ped)	A (F	11N1)		(H3N2)		& B		В	positive	tested	% Positive	Change
country	Location	Jei vice	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	from last report
Belgium	Shape	Α	3	10	0	2	0	0	0	0	0	0	3	8	38	\downarrow
Germany	Barton Barracks	Α	0	0	0	0	0	0	0	0	0	0	0	0	0	\leftrightarrow
Germany	Landstuhl RMC	Α	74	166	5	19	2	4	0	2	13	51	94	203	46	1
Germany	Patch Barracks	Α	0	1	0	0	0	0	0	0	0	1	0	2	0	\leftrightarrow
Germany	Ramstein AB	F	1	25	0	13	0	0	0	1	1	5	2	18	11	↑
Germany	Spangdahlem AB	F	0	2	2	7	2	2	0	0	0	2	4	9	44	\downarrow
Germany	USAG Bavaria	Α	2	6	2	14	2	10	0	0	7	35	13	42	31	\downarrow
Germany	USAG Hohenfels/Amberg	Α	6	21	0	0	0	0	0	0	3	21	9	32	28	\rightarrow
Germany	USAG Kaiserslautern	Α	5	15	0	0	0	0	0	0	1	3	6	14	43	\downarrow
Germany	USAG Katterbach	Α	0	9	0	0	0	0	0	0	3	24	3	10	30	↑
Germany	USAG Wiesbaden	Α	1	13	0	1	0	0	0	0	0	0	1	7	14	↑
Italy	Aviano AB	F	1	6	0	10	2	19	0	0	4	6	7	23	30	\leftarrow
Italy	NAS Sigonella	N	1	5	0	2	0	1	0	0	0	1	1	20	5	\leftarrow
Italy	NSA Naples	N	5	16	0	14	1	14	1	2	10	22	17	67	25	\leftarrow
Italy	USAG Italy	Α	13	24	3	16	0	8	0	0	8	26	24	45	53	\uparrow
Spain	NS Rota	N	5	8	2	31	1	4	0	1	6	13	14	50	28	\leftarrow
Turkey	Incirlik AB	F	0	0	0	2	0	0	0	0	0	0	0	0	0	\leftrightarrow
United Kingdom	RAF Alconbury	F	0	0	0	0	0	0	0	0	0	0	0	0	0	\leftrightarrow
United Kingdom	RAF Croughton	F	0	0	0	0	0	1	0	0	0	2	0	0	0	\leftrightarrow
United Kingdom	RAF Lakenheath	F	3	12	0	4	0	5	0	0	2	4	5	22	23	\uparrow

Influenza Activity: INDOPACOM (2019-2020 Season: Week 08)

- ILI activity decreased overall and was low in all countries with data except for Guam, which had minimal activity.
- The majority of positive specimens over the past 2 weeks continued to be influenza A.
- Among subtyped specimens, the majority have been influenza A(H1N1) for the season.

ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)



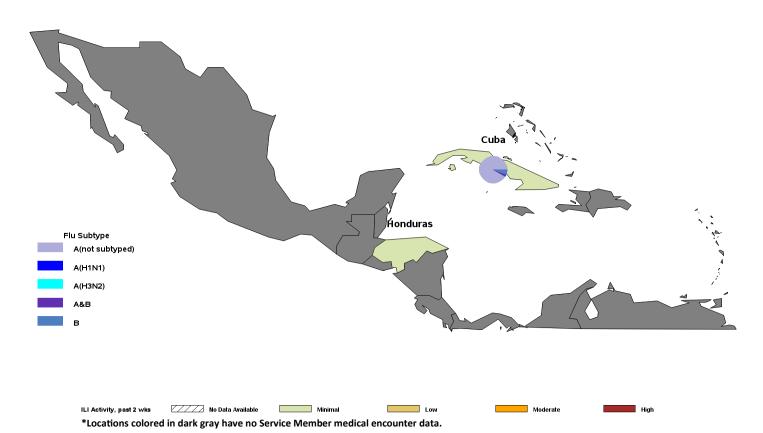
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			,	ot sub-	۸ /۱	H1N1)	A /I	13N2)	A 8	<u> </u>		В	Total	T-4-1444	0/ D:+:	
Country	Location	Service	2 wks	ped) Season	2 wks		2 wks	Season	2 wks	Season	2 wks	Season	positive 2 wks	Total tested 2 wks	% Positive 2 wks	Change from last report
Guam	JB Andersen	J	1	100	0	25	0	2	0	0	0	11	1	58	2	<u>↑</u>
Japan	CFA Okinawa	N	0	21	0	0	0	0	0	0	2	12	2	18	11	· ↑
Japan	CFA Yokosuka	N	1	56	0	0	0	0	0	2	2	4	3	36	8	<u> </u>
Japan	Camp Foster	N	1	3	0	0	0	0	0	0	0	0	1	8	13	<u> </u>
Japan	Camp Fuji	N	0	0	0	0	0	0	0	0	0	0	0	0	0	\leftrightarrow
Japan	Camp Zama	Α	0	18	0	0	0	0	0	3	0	12	0	6	0	\leftrightarrow
Japan	Kadena AB	F	0	3	0	6	0	1	0	0	0	2	0	4	0	\leftrightarrow
Japan .	MCAS Futenma	N	0	3	0	0	0	0	0	0	1	1	1	3	33	V
Japan	MCAS Iwakuni	N	0	24	0	0	0	0	0	1	0	2	0	3	0	\leftrightarrow
Japan	Misawa AB	F	4	20	0	0	0	0	0	1	0	3	4	26	15	1
Japan	NAF Atsugi	N	0	8	0	0	0	0	0	0	1	6	1	4	25	<u> </u>
Japan	NB Okinawa	N	9	50	0	0	0	0	1	1	2	5	12	77	16	<u> </u>
Japan	USFA Sasebo	N	0	2	0	0	0	0	0	0	2	2	2	3	67	<u>^</u>
Japan	Yokota AB	F	0	18	0	42	0	0	0	1	1	4	1	11	9	<u></u>
Korea, Republic of	CFA Chinhae	N	0	0	0	0	0	0	0	0	0	0	0	0	0	\leftrightarrow
Korea, Republic of	Camp Casey	Α	0	4	0	0	0	0	0	0	0	0	0	1	0	\leftrightarrow
	Camp Humphreys	Α	1	62	0	0	0	0	0	0	1	2	2	36	6	V
Korea, Republic of	Camp Walker	Α	0	17	0	0	0	0	0	0	0	2	0	3	0	\leftrightarrow
Korea, Republic of	Kunsan AB	F	0	1	0	3	0	1	0	0	0	0	0	0	0	\leftrightarrow
Korea, Republic of	Osan AB	F	1	16	0	69	0	11	0	0	0	7	1	15	7	V
Korea, Republic of	Yongsan Garrison	Α	1	108	0	1	0	0	0	0	2	20	3	42	7	1
United States	Camp H M Smith	N	0	0	0	0	0	0	0	0	0	0	0	0	0	\leftrightarrow
United States	Ft Shafter	Α	38	221	0	22	0	4	0	8	8	59	46	136	34	1
	JB Pearl Harbor-															
United States	Hickam	J	14	80	0	1	0	0	0	2	3	18	17	45	38	↑
United States	MCB Hawaii	N	2	19	0	1	0	0	0	0	1	6	3	19	16	1
United States	Schofield Barracks	Α	20	76	0	0	0	0	0	1	3	22	23	50	46	\downarrow

Influenza Activity: SOUTHCOM (2019-2020 Season: Week 08)

- ILI activity remained minimal in Cuba and Honduras.
- The majority of positive specimens continued to be Influenza A.

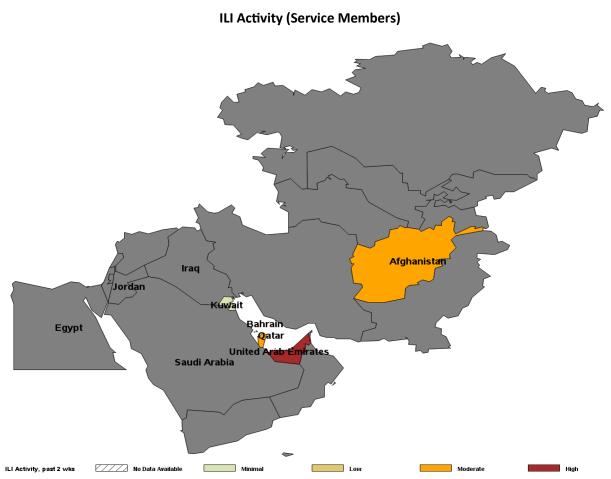
ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)



Country I		Location	Service	A (not sub- typed)		A (H1N1)		A (H3N2)		A & B		В		Total posi- tive	Total tested	% Positive	Change from
				2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	last report
C	uba	Guantanamo Bay	N	1	32	0	0	0	0	0	1	1	2	2	8	25	1

Influenza Activity: CENTCOM (2019-2020 Season: Week 08)

- ILI activity remained high the United Arab Emirates, but decreased to moderate in Afghanistan and minimal in Kuwait.
- ILI activity remained moderate in Qatar.



*Locations colored in dark gray have no Service Member medical encounter data.

NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 08)

Laboratory-Confirmed Influenza (All Beneficiaries) by Installation Alaska through Georgia

Selection Service Se				A (not subtyped)		A (H1N1)		A (H	I3N2)	A & B			В	Total positive	Total tested	% Positive	Change from
AK Fisher APB F 0 <th< th=""><th>State</th><th>Location</th><th>Service</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>Change from</th></th<>	State	Location	Service														Change from
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AL Maxwell AFB AL Redstone Ascensil A. A. 13 A. A. 14 A. A. 15 A. A. 13 A. A. 13 A. A. 13 A. A. 13 A. A. 14 A. A. 15 A. A						-				-							
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CO Peterson AFB F 4 12 8 43 0 2 0 0 0 2 46 14 30 47 ↑ ↑ CO Schriever AFB F 2 2 2 2 7 7 0 1 0 1 0 0 0 9 4 10 40 ↓ CO Schriever AFB F 5 3 35 2 11 0 0 1 1 0 0 0 0 9 4 10 40 ↓ CT NSB New London N 5 14 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 5 14 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 5 14 0 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 5 14 0 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 6 5 14 0 0 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 7 5 14 0 0 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 8 5 14 0 0 0 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 8 5 14 0 0 0 0 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 9 5 14 0 0 0 0 0 0 0 0 0 0 0 1 7 7 35 12 30 40 ↑ CT NSB New London N 9 5 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		· ·															
CO Schriever AFB F 2 2 2 2 7 0 0 1 0 0 0 9 4 10 40 ↓ CO USAF Academy F 5 3 35 2 11 0 1 1 1 2 29 87 37 63 59 ↓ CO USAF Academy F 5 5 35 22 11 0 1 1 1 2 29 887 37 63 59 ↓ CO USAF Academy F 5 5 35 22 11 0 0 1 1 1 2 29 887 37 63 59 ↓ CO USAF Academy F 5 5 35 22 11 0 0 1 1 7 35 12 30 40 ↑ DC JB Anacostia-Bolling F 2 3 3 0 1 0 0 0 0 0 1 7 3 35 12 30 40 ↑ DC Pentagon J 1 12 44 0 0 0 0 0 0 0 0 1 7 3 3 6 50 ↑ DC Pentagon J 1 12 44 0 0 0 0 0 0 0 0 0 2 9 14 55 25 ↑ DC Washington Navy Yard N 0 3 0 0 0 0 0 0 0 0 2 9 9 2 6 33 ↓ DE Dover AFB F 0 1 1 9 29 0 0 0 0 1 6 34 15 39 38 ↓ FL Eglin AFB J 25 153 13 51 0 1 1 2 3 16 84 56 161 35 ↓ FL Hurlburt Field F 6 21 0 0 0 0 0 0 0 1 0 10 6 19 32 ↑ FL Macdill AFB F 30 127 0 3 0 2 0 0 11 0 10 6 19 32 ↑ FL NAS Jacksonville J 47 317 0 1 1 0 0 0 1 1 107 41 134 31 ↑ FL NAS Vewest J 0 8 8 0 0 0 0 0 0 0 1 1 107 41 134 31 ↑ FL NAS Weyst J 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										1							
CO USAF Academy F S 35 35 2 111 0 1 1 2 2 29 87 37 63 59 ↓ CT NSB New London N 5 144 0 0 0 0 0 0 1 1 7 35 12 30 40 ↑ CD JB Anacostia-Bolling F 2 3 0 1 1 0 0 0 0 1 1 7 35 12 30 40 ↑ DC Pentagon J 1 12 44 0 0 0 0 0 0 0 0 0 0 2 9 14 55 25 ↑ DC Washington Navy Yard N 0 3 0 1 9 29 0 0 0 0 1 6 34 15 39 38 ↓ DE Dover AFB F 0 1 9 29 0 0 0 0 1 6 34 15 39 38 ↓ EL Eglin AFB J 2 5 153 13 51 0 1 2 2 3 16 84 56 161 35 ↓ EL Hurburt Field F 6 21 0 0 0 0 0 0 1 0 10 6 19 32 ↑ EL Macdill AFB F 30 127 0 3 0 0 0 0 1 1 0 10 6 19 32 ↑ EL NAS Jacksonville J 47 317 0 1 0 0 0 1 1 0 10 6 19 32 ↓ EL NAS Ley West J 0 8 8 0 0 0 0 0 0 0 1 1 0 10 6 25 9 22 ↓ EL NAS Wey West J 0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-		<u> </u>			-											
CT NSB New London N 5 14 0 0 0 0 0 0 1 7 35 12 30 40 ↑ DC JB Anacostia-Bolling F 2 3 0 1 1 0 0 0 0 1 7 35 12 30 40 ↑ DC Pentagon J 1 12 44 0 0 0 0 0 0 0 0 1 7 3 3 6 50 ↑ DC Pentagon Navy Yard N 0 3 0 0 0 0 0 0 0 0 0 0 2 9 14 55 25 ↑ DE Dover AFB F 0 1 9 29 0 0 0 0 1 6 34 15 39 38 ↓ FL Eglin AFB J 25 153 13 51 0 1 2 2 3 16 84 56 161 35 ↓ FL Hurlburt Field F 6 21 0 0 0 0 0 0 1 0 1 0 10 6 19 32 ↑ FL Macdill AFB F 30 127 0 3 0 0 0 0 1 1 0 10 6 19 32 ↑ FL NAS Jacksonville J 47 317 0 1 0 0 0 1 3 8 8 204 56 259 22 ↓ FL NAS Key West J 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										-							
DC JB Anacostia-Bolling	-	,				1				1							
DC Pentagon			_			-				-		1					
DC Washington Navy Yard N 0 3 0 0 0 0 0 0 0 2 9 2 6 33 ↓ DE Dover AFB F 0 1 1 9 29 0 0 0 1 6 34 15 39 38 ↓ FL Eglin AFB J 25 153 13 51 0 1 2 3 16 84 56 161 35 ↓ FL Hurlburt Field F 6 21 0 0 0 0 0 0 1 0 1 0 6 19 32 ↑ FL Macdill AFB F 30 127 0 3 0 2 0 0 11 107 41 134 31 ↑ FL NAS Jacksonville J 47 317 0 1 0 0 0 1 3 8 20 € FL NAS West J 0 8 0 0 0 0 0 1 3 8 20 € FL NAS West J 0 8 0 0 0 0 0 0 0 0 0 2 0 3 0 € FL NAS Whiting Field N 3 10 0 0 0 0 0 0 0 0 2 0 3 245 13 ↓ FL NAS Whiting Field N 3 3 10 0 0 0 0 0 0 0 1 12 4 19 21 ↑ FL NS Mayport J 9 46 0 0 0 0 0 0 0 1 1 2 4 19 21 ↑ FL Partick AFB F 3 3 35 0 0 0 0 0 0 0 1 1 35 4 25 16 ↑ FL Partick AFB F 0 3 3 5 0 0 0 0 0 0 0 1 1 2 9 2 9 2 9 22 ↑ GA Ft Benning A 75 471 0 0 0 0 2 3 9 474 21 ↓ GA Ft Stewart A 40 236 0 0 0 0 0 0 0 0 0 2 11 12 2 33 36 ↓ GA NAS Albany J 18 39 0 0 0 0 0 0 0 0 1 1 12 33 36 ↓ GA NAS Kings Bay J 18 39 0 0 0 0 0 0 0 0 1 1 12 33 36 ↓ GA NSB Kings Bay J 18 39 0 0 0 0 0 0 0 0 1 1 1 12 33 37 7 43 ↓ GA NSB Kings Bay J 1 18 39 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1		-	J			0		0	0	0	0		9				
DE Dover AFB F 0 1 9 29 0 0 0 1 6 34 15 39 38 ↓ FL Eglin AFB J 25 153 13 51 0 1 2 3 16 84 56 161 35 ↓ FL Hurlburt Field F 6 21 0 0 0 0 1 0 10 6 19 32 ↑ FL Macdill AFB F 30 127 0 3 0 2 0 0 11 107 41 134 31 ↑ FL NAS Key West J 0 8 0 0 0 0 0 2 0 3 0 ↔ FL NAS Pensacola N 27 194 0 0 0 0 0 2 6 215 33 <td< td=""><td>DC</td><td></td><td>N</td><td>0</td><td>3</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>2</td><td>9</td><td>2</td><td></td><td></td><td></td></td<>	DC		N	0	3	0	0	0	0	0	0	2	9	2			
FL Hurlburt Field	DE	_ ·	_	0		9		0		0	1		34				
FL Hurlburt Field F	FL	Eglin AFB	J	25	153	13	51	0	1	2	3	16	84	56	161	35	V
FL NAS Jacksonville J 47 317 0 1 0 0 0 1 3 8 204 56 259 22 ↓ FL NAS Key West J 0 8 0 0 0 0 0 0 0 0 2 0 3 0 ↔ FL NAS Pensacola N 27 194 0 0 0 0 0 0 0 2 6 215 33 245 13 ↓ FL NAS Whiting Field N 3 10 0 0 0 0 0 0 0 1 12 4 19 21 ↑ FL NS Mayport J 9 46 0 0 0 0 0 0 0 1 12 4 19 21 ↑ FL Patrick AFB F 3 35 0 0 0 0 0 0 1 1 35 4 25 16 ↑ FL Tyndall AFB F 0 3 0 0 0 0 0 0 1 1 2 9 2 9 2 9 22 ↑ GA Ft Benning A 75 471 0 0 0 0 2 3 9 474 21 ↓ GA Ft Stewart A 40 236 0 0 0 0 0 0 0 0 1 1 14 15 54 205 26 ↑ GA Hunter Army Airfield A 2 20 0 0 0 0 0 0 0 0 0 2 11 14 3 7 43 ↓ GA NAS Albany J 18 39 0 0 0 0 0 0 0 1 2 16 20 60 33 ↑ ANS Kings Bay J 18 39 0 0 0 0 0 0 1 2 16 20 60 33 ↑		-	F		21	0	0	0	0	0		0	10		19		
FL NAS Key West J O 8 0 0 0 0 0 0 0 0 2 0 3 0	FL	Macdill AFB	F	30	127	0	3	0	2	0	0	11	107	41	134	31	^
FL NAS Key West J 0 8 0 0 0 0 0 0 0 0 2 0 3 0	FL		J	47	317	0		0		1	3	8	204				
FL NAS Whiting Field N 3 10 0 0 0 0 0 0 1 12 4 19 21 ↑ FL NS Mayport J 9 46 0 0 0 0 0 0 1 0 32 9 38 24 ↓ FL Patrick AFB F 3 35 0 0 0 0 0 0 1 1 35 4 25 16 ↑ FL Tyndall AFB F 0 3 0 0 0 0 0 1 1 2 9 2 9 2 9 22 ↑ GA Ft Benning A 75 471 0 0 0 0 2 3 9 474 21 ↓ GA Ft Stewart A 40 236 0 0 0 0 0 0 0 2 7 116 54 205 26 ↑ GA Hunter Army Airfield A 2 20 0 0 0 0 0 0 0 0 0 2 11 14 3 7 43 ↓ GA Moody AFB F 1 7 9 31 0 0 0 0 0 0 0 1 1 12 33 36 ↓ GA NSS Kings Bay J 18 39 0 0 0 0 0 0 1 2 16 20 60 33 ↑	FL	NAS Key West	J	0	8	0	0	0	0	0	0	0	2	0	3	0	\leftrightarrow
FL NS Mayport J 9 46 0 0 0 0 0 0 1 0 32 9 38 24 ↓ FL Patrick AFB F 3 35 0 0 0 0 0 1 1 35 4 25 16 ↑ FL Tyndall AFB F 0 3 0 0 0 0 0 1 1 2 9 2 9 2 9 22 ↑ GA Ft Benning A 75 471 0 0 0 0 2 3 9 21 320 99 474 21 ↓ GA Ft Gordon A 47 244 0 1 0 0 0 0 2 7 116 54 205 26 ↑ GA Ft Stewart A 40 236 0 0 0 0 0 0 0 4 11 142 51 203 25 ↓ GA Hunter Army Airfield A 2 20 0 0 0 0 0 0 0 0 2 11 12 33 36 ↓ GA Moody AFB F 1 7 9 31 0 0 0 0 0 2 11 12 33 37 43 ↓ GA NSB Kings Bay J 18 39 0 0 0 0 0 0 1 2 16 20 60 33 ↑	FL	NAS Pensacola	N	27	194	0	0	0	0	0	2	6	215	33	245	13	\downarrow
FL Patrick AFB F 3 35 0 0 0 0 0 1 1 35 4 25 16 ↑ FL Tyndall AFB F 0 3 0 0 0 0 0 1 2 9 2 9 2 9 22 ↑ GA Ft Benning A 75 471 0 0 0 0 2 3 9 21 320 99 474 21 ↓ GA Ft Gordon A 47 244 0 1 0 0 0 0 2 7 116 54 205 26 ↑ GA Ft Stewart A 40 236 0 0 0 0 0 0 4 11 142 51 203 25 ↓ GA Hunter Army Airfield A 2 20 0 0 0 0 0 0 0 0 2 11 142 51 203 25 ↓ GA Moody AFB F 1 7 9 31 0 0 0 0 0 2 11 12 33 36 ↓ GA NAS Albany J 18 39 0 0 0 0 0 0 1 2 16 20 60 33 ↑	FL	NAS Whiting Field	N	3	10	0	0	0	0	0	0	1	12	4	19	21	1
FL Tyndall AFB F 0 3 0 0 0 0 0 1 2 9 2 9 2	FL	NS Mayport	J	9	46	0	0	0	0	0	1	0	32	9	38	24	→
GA Ft Benning A 75 471 0 0 0 0 2 3 9 21 320 99 474 21 \\ GA Ft Gordon A 47 244 0 1 0 0 0 0 2 7 116 54 205 26 \\ GA Ft Stewart A 40 236 0 0 0 0 0 0 4 11 142 51 203 25 \\ GA Hunter Army Airfield A 2 20 0 0 0 0 0 0 0 0 2 11 12 33 36 \\ GA Moody AFB F 1 7 9 31 0 0 0 0 0 2 11 12 33 3 36 \\ GA NSB Kings Bay J 18 39 0 0 0 0 0 0 0 1 2 16 20 60 33 \\ \emptyrequate{A}	FL	Patrick AFB	F	3	35	0	0	0	0	0	1	1	35	4	25	16	1
GA Ft Benning A 75 471 0 0 0 2 3 9 21 320 99 474 21 ↓ GA Ft Gordon A 47 244 0 1 0 0 0 2 7 116 54 205 26 ↑ GA Ft Stewart A 40 236 0 0 0 0 0 4 11 142 51 203 25 ↓ GA Hunter Army Airfield A 2 20 0 0 0 0 0 26 2 27 7 ↓ GA Moody AFB F 1 7 9 31 0 0 0 0 2 11 12 33 36 ↓ GA NSB Kings Bay J 18 39 0 0 0 0 0 0 1 2 16 20 60 33 ↑	FL	Tyndall AFB	F	0	3	0	0	0	0	0	1	2	9	2	9	22	1
GA Ft Stewart A 40 236 0 0 0 0 0 4 11 142 51 203 25 ↓ GA Hunter Army Airfield A 2 20 0 0 0 0 0 0 0 26 2 27 7 ↓ GA Moody AFB F 1 7 9 31 0 0 0 0 2 11 12 33 36 ↓ GA NAS Albany J 3 10 0 0 0 0 0 0 1 2 16 20 60 33 ↑			Α	75	471	0	0	0	2		9	21	320	99	474	21	→
GA Hunter Army Airfield A 2 20 0 0 0 0 0 26 2 27 7 ↓ GA Moody AFB F 1 7 9 31 0 0 0 0 2 11 12 33 36 ↓ GA NAS Albany J 3 10 0 0 0 0 0 0 14 3 7 43 ↓ GA NSB Kings Bay J 18 39 0 0 0 0 1 2 16 20 60 33 ↑	GA	Ft Gordon	A	47	244	0	1	0	0	0	2	7	116	54	205	26	↑
GA Moody AFB F 1 7 9 31 0 0 0 0 2 11 12 33 36 ↓ GA NAS Albany J 3 10 0 0 0 0 0 0 14 3 7 43 ↓ GA NSB Kings Bay J 18 39 0 0 0 0 1 2 16 20 60 33 ↑	GA	Ft Stewart	A	40	236	0	0	0	0	0	4	11	142	51	203	25	V
GA Moody AFB F 1 7 9 31 0 0 0 0 2 11 12 33 36 ↓ GA NAS Albany J 3 10 0 0 0 0 0 0 14 3 7 43 ↓ GA NSB Kings Bay J 18 39 0 0 0 0 1 2 16 20 60 33 ↑	GA	Hunter Army Airfield	Α	2	20	0	0	0	0	0	0	0	26	2	27	7	\downarrow
GA NAS Albany J 3 10 0 0 0 0 0 0 14 3 7 43 ↓ GA NSB Kings Bay J 18 39 0 0 0 0 0 1 2 16 20 60 33 ↑			F	1	7	9	31	0	0	0	0	2	11	12	33	36	
· · · · · · · · · · · · · · · · · · ·	GA	NAS Albany	J	3	10	0	0	0	0	0	0	0	14			43	
	GA	NSB Kings Bay	J	18	39	0	0	0	0	0	1	2	16	20	60	33	^
	GA	Robins AFB	F	0	2	13	41	0	0	0	0	5	18	18	25	72	→

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NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 08)

Laboratory-Confirmed Influenza (All Beneficiaries) by Installation Illinois through New York

													Total posi-			
State	Location	Service		ubtyped)	_	H1N1)		H3N2)		& B		В	tive	Total tested		Change from
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	last report
IL	NS Great Lakes	N	66	246	3	7	0	1	0	2	27	327	96	320	30	<u> </u>
IL	Scott AFB	F	2	4	11	41	0	0	0	1	9	43	22	45	49	<u> </u>
KS	Ft Leavenworth	Α	23	77	0	0	0	0	0	0	15	73	38	90	42	<u> </u>
KS	Ft Riley	A	74	169	0	2	0	0	0	1	134	325	208	546	38	<u> </u>
KS	Mcconnell AFB	F	0	1	2	7	0	0	0	0	0	8	2	14	14	↓
KY	Ft Campbell	A	93	332	0	4	0	0	3	3	48	266	144	499	29	<u> </u>
KY	Ft Knox	A	2	21	0	0	0	0	0	0	3	8	5	23	22	<u> </u>
LA	Barksdale AFB	F .	10	31	0	0	0	0	0	0	1	11	11	46	24	<u> </u>
LA	Ft Polk	A	70	144	0	0	0	0	0	2	20	130	90	225	40	<u>↓</u>
LA	NAS Belle Chase	N	1	5	0	0	0	0	0	0	0	3	1	9	11	<u> </u>
MA	Hanscom AFB	F	2	3	1	7	0	0	0	1	3	13	6	17	35	<u> </u>
MD	Aberdeen Proving Ground	A	3	24	0	0	0	0	0	0	7	28	10	33	30	-
MD	Ft Detrick	A	3 8	20	0	0	0	0	0	0	7	42	10 12	28 49	36	→
MD	Ft Meade	A		28	0	0		0		0		37			24	<u> </u>
MD MD	JB Andrews	F N	38 16	153	0	0	0	0	0	5 2	25 13	176 51	63 29	213 84	30 35	<u>↓</u>
	NAS Patuxent River		_	43		_										
MD	NBHC Bancroft Hall	N	33	89	0	2	0	0	0	2	4	40	37	80	46	<u>↓</u>
MD	NHC Annapolis	N	13 6	55 7	0	0	0	0	0	0	5 1	22	18 7	40	45	<u>↑</u>
MD	NSF Indian Head	N I	101		9		0	0	0	_		11		13 447	54	
MD	WRNMMC			299	0	18 2	0	1	0	0	45 86	335	155 149		35	<u> </u>
MO MO	Ft Leonard Wood	A F	63 11	108 29	0	0	0	0	0	0	7	259 29	149	388 50	38 36	<u> </u>
MS	Whiteman AFB Columbus AFB	F	0	5	0	0	0	0	0	0	1	8	1	9	11	→
MS	Keesler AFB	J	46	170	0	2	0	0	0	0	10	183	56	209	27	<u> </u>
MS	NAS Meridian	N	2	170	0	0	0	0	0	0	10	7	3	12	25	<u> </u>
MS	NBHC Gulfport	N N	3	19	0	0	0	0	0	0	6	30	9	26	35	→
MT	Malmstrom AFB	F	6	7	0	2	0	0	1	1	1	3	8	16	50	<u> </u>
NC	Camp Lejeune	N	67	379	0	5	0	1	0	0	38	185	105	311	34	<u> </u>
NC	Ft Bragg	ı	1	11	0	2	0	0	4	6	2	12	7	899	1	<u> </u>
NC	MCAS Cherry Point	N	11	45	0	0	0	0	0	0	7	42	18	58	31	<u> </u>
NC	Pope Army Airfield	J	0	0	0	0	0	0	1	6	0	0	1	109	1	-
NC	Seymour Johnson AFB	J	4	5	5	14	2	3	0	1	2	12	13	25	52	→
ND	Grand Forks AFB	F	1	1	0	0	0	0	0	0	1	8	2	3	67	<u> </u>
ND	Minot AFB	F	2	3	3	6	0	0	1	1	23	48	29	48	60	+
NE	Offutt AFB	F	0	4	2	24	0	0	0	0	1	9	3	8	38	*
NH	Portsmouth	N	2	11	0	0	0	0	0	0	3	11	5	22	23	→
NJ	JB McGuire- Dix- Lakehurst	F	2	5	2	10	1	3	1	1	6	28	12	34	35	→
NM	Cannon AFB	F	0	1	0	3	0	0	0	0	0	3	0	1	0	\leftrightarrow
NM	Holloman AFB	F	1	11	0	0	0	0	0	1	2	17	3	17	18	<u> </u>
NM	Kirtland AFB	F	0	8	4	11	0	2	0	0	0	13	4	15	27	+
NM	White Sands Missile Range	Α	2	10	0	0	0	0	0	0	0	4	2	13	15	+
NV	Nellis AFB	F	34	184	4	41	0	5	0	0	5	200	43	133	32	*
NY	Ft Drum	A	4	17	1	19	0	5	1	1	31	110	37	106	35	+
NY	West Point	A	22	49	2	85	0	7	2	3	77	236	103	313	33	*

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NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 08)

Laboratory-Confirmed Influenza (All Beneficiaries) by Installation Ohio through Wyoming

													Total	Total		
State	Location	Service	A (not	subtyped)	Α (H1N1)	A (H	13N2)	A 8	& В		В	positive	tested	% Positive	Change from
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	last report
ОН	Wright-Patterson AFB	F	3	11	52	193	0	4	2	4	50	219	107	229	47	\downarrow
ОК	Altus AFB	F	3	4	7	16	0	0	0	0	6	30	16	58	28	\downarrow
ОК	Ft Sill	Α	43	147	0	2	0	0	0	3	28	198	71	241	29	↑
OK	Tinker AFB	F	4	6	8	43	0	0	0	1	3	47	15	48	31	\downarrow
OK	Vance AFB	F	7	11	0	7	0	0	0	1	1	7	8	16	50	1
PA	Carlisle Barracks	Α	3	11	0	0	0	0	0	0	6	31	9	31	29	\downarrow
PR	Ft Buchanan	Α	5	17	0	0	0	0	0	0	2	15	7	28	25	↓
PR	NS Roosevelt Roads	N	0	2	0	0	0	0	0	0	0	0	0	0	0	\leftrightarrow
RI	NHC New England	N	5	22	2	5	0	0	0	0	5	12	12	30	40	\downarrow
SC	Ft Jackson	Α	35	169	0	0	0	0	0	0	32	186	67	254	26	\downarrow
SC	JB Charleston	J	16	60	4	10	0	0	1	2	2	54	23	104	22	1
SC	MCAS Beaufort	N	2	13	1	5	0	1	0	0	0	13	3	19	16	1
SC	Parris Island	N	13	41	0	1	0	0	0	1	11	61	24	80	30	↓
SC	Shaw AFB	F	10	18	6	34	0	3	0	1	8	49	24	75	32	\downarrow
SD	Ellsworth AFB	F	5	8	8	20	0	0	1	1	6	37	20	47	43	\downarrow
TN	Ft Campbell	Α	19	80	0	2	0	1	0	0	11	75	30	102	29	1
TN	NSA Mid-South	N	4	18	0	0	0	0	0	0	1	6	5	27	19	↑
TX	Dyess AFB	F	3	30	0	0	0	0	0	2	1	19	4	20	20	↑
TX	Ft Bliss	Α	123	544	2	87	0	6	0	4	50	811	175	667	26	\downarrow
TX	Ft Hood	Α	189	693	11	27	0	0	0	4	16	1166	216	809	27	\downarrow
TX	Goodfellow AFB	F	11	28	0	0	0	0	2	3	5	27	18	66	27	\downarrow
TX	JB San Antonio	J	170	1181	18	221	1	11	2	20	67	970	258	828	31	\downarrow
TX	Laughlin AFB	F	1	9	0	2	0	0	2	3	3	15	6	22	27	\downarrow
TX	NAS Corpus Christi	N	1	7	0	0	0	0	0	0	2	6	3	4	75	↑
TX	NAS JRB Fort Worth	N	0	0	0	0	0	0	0	0	0	1	0	0	0	\leftrightarrow
TX	NAS Kingsville	N	0	0	0	0	0	0	0	0	0	1	0	0	0	\leftrightarrow
TX	Sheppard AFB	F	11	29	16	33	0	0	0	1	6	36	33	78	42	↑
UT	Hill AFB	F	2	5	1	25	0	0	0	0	1	20	4	13	31	↓
VA	Ft Belvoir	J	144	511	0	0	0	0	0	5	57	522	201	659	31	\downarrow
VA	Ft Lee	Α	17	55	0	0	0	0	1	5	11	93	29	135	21	\downarrow
VA	JB Langley-Eustis	J	42	104	7	29	0	3	0	1	16	128	65	191	34	\downarrow
VA	JB Little Creek-Ft Story	J	0	2	0	0	0	0	0	0	0	0	0	1	0	\leftrightarrow
VA	JB Myer-Henderson Hall	Α	9	23	0	0	0	0	0	1	1	21	10	27	37	\downarrow
VA	MCB Quantico	N	21	71	0	0	0	0	0	1	19	93	40	136	29	\downarrow
VA	NAS Oceana	N	1	7	0	0	0	0	0	0	2	12	3	8	38	↑
VA	NB Dam Neck	N	1	3	0	0	0	0	0	0	1	1	2	4	50	\downarrow
VA	NS Norfolk	N	7	13	0	0	0	0	0	0	3	9	10	33	30	↑
VA	NWS Dahlgren	N	0	0	0	0	0	0	0	0	0	0	0	12	0	\leftrightarrow
VA	NWS Yorktown	N	1	3	0	0	0	0	0	0	0	3	1	7	14	V
VA	Portsmouth	N	22	58	23	95	0	4	0	0	6	156	51	150	34	V
VA	TPC Suffolk	N	1	1	0	0	0	0	0	0	0	2	1	6	17	↑
WY	FE Warren AFB	F	10	25	0	2	0	0	0	0	6	32	16	63	25	↑

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Surveillance Programs and Data Sources

Defense Health Agency / Armed Forces Health Surveillance Branch (AFHSB):

The Armed Forces Health Surveillance Branch (AFHSB) is the central epidemiologic resource for the U.S. Armed Forces, conducting medical surveillance to protect those who serve our nation in uniform and allies who are critical to our national security interests. The Epidemiology and Analysis Section of AFHSB, the Epi Data Center of the Navy and Marine Corps Public Health Center, and the Air Force Satellite Office in Dayton, Ohio (Wright-Patterson AFB) have compiled data for this report from the following sources below.

Influenza-like Illness Activity:

Medical encounter and demographic data from the AFHSB's Defense Medical Surveillance System (DMSS) are used to generate portions of this report. ICD-10 codes from outpatient encounters are used to identify influenza-like illness (ILI). ILI is defined using the following codes: B97.89, H66.9, H66.90, H66.91, H66.92, H66.93, J00, J01.9, J01.90, J06.9, J09, J09.X1, J09.X2, J09.X3, J09.X9, J10, J10.00, J10.00, J10.01, J10.08, J10.1, J10.2, J10.8, J10.81, J10.82, J10.83, J10.89, J11, J11.0, J11.00, J11.00, J11.08, J11.1, J11.2, J11.81, J11.82, J11.83, J11.89, J12.89, J12.9, J18, J18.1, J18.8, J18.9, J20.9, J40, R05, R50.9.

The percentage of all outpatient visits that have an ILI code is calculated each week for all service members, regardless of component. These data are presented weekly for the current season and compared to the four prior seasons among service members. Influenza activity levels are calculated by comparing the mean reported percent of visits due to ILI for the previous two weeks to the mean reported percent of visits due to ILI during baseline weeks (defined as non-influenza weeks (weeks 22-39) over the past 3 years). There are four influenza activity levels, minimal, low, moderate, and high. The activity level corresponds to the number of standard deviations (SD) below, at or above the mean for the current 2 week period compared to the mean of the baseline weeks. Minimal activity corresponds to an influenza percentage that is less than 2 SD above the mean. Low activity corresponds to an influenza percentage that is equal to or greater than 4 SD above the mean, but less than 6 SD above the mean. High activity corresponds to an influenza percentage that is equal to or greater than 6 SD above the mean.

Influenza activity levels are presented in the Combatant Command (CCMD) maps, either by Installation, state, or country.

Influenza Positive Specimens:

Influenza lab results (HL-7 formatted data) are compiled and transmitted from the Navy and Marine Corps Public Health Center to AFHSB. Results obtained via PCR, viral culture, and rapid influenza assays are reported. Although the inclusion of rapid tests may underestimate the weekly and cumulative percent positive estimates due to false negatives, visibility of the positive rapid results provides valuable information for this surveillance report. Influenza types/subtypes are categorized as influenza A/not subtyped, influenza A(H1N1), influenza A(H3N2), influenza A and B co-infection, and influenza B. Additionally, laboratory-confirmed positive results are used to identify influenza-related hospitalization cases across the DoD.

The percent positivity is calculated by dividing the number of influenza positive specimens by the total number of specimens (positive and negative only; inconclusive results are excluded). The distributions of percent positive specimens by subtype are presented on a weekly basis for the entire influenza season. For each CCMD state, the distribution of subtypes for the previous 2 weeks are presented as pie graphs for states and countries. For installations, data are presented in tables with counts and percent positive by subtype for the past 2 weeks and for the entire season. The "change from last report" column reports the absolute difference in the percent positive from the prior week's report to the current week's report.

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Pharmacy Transactions for Dispensed Antiviral Prescriptions:

HL7-formatted pharmacy transactions are used to assess the number of dispensed influenza antiviral (AV) prescriptions. Four influenza AV medications approved by the Food and Drug Administration (FDA) are recommended by the CDC for use in the United States (US) for the 2019-2020 influenza season: oral oseltamivir (Tamiflu® or generic), inhaled zanamivir (Relenza®), and intravenous peramivir (Rapivab®), and baloxavir marboxil (Xofluza®). These prescriptions are included in this surveillance. The overall count of dispensed AV prescriptions by week is presented graphically for the influenza season. A seasonal baseline is displayed with dispensed AV prescriptions. Surveillance thresholds are displayed with the count of inpatient dispensed AV prescriptions. Additionally, counts of inpatient dispensed influenza AV prescriptions are presented weekly for the influenza season.

Baselines, Thresholds, and Trends:

Weekly baselines used a three-year average to compare results with those from the same week during the previous three seasons. Bands for one and two standard deviations above seasonal baseline estimates are displayed to indicate when trends diverge with respect to timing or volume from those of recent seasons. The ILI, lab, and dispensed AV prescription data thresholds are calculated by adding two standard deviations to the off-season average.

Inpatient thresholds (lab and dispensed AV prescription data) are calculated by adding one standard deviation to the overall weighted average for in-season weeks. Weeks that represent at least 2% of the total season's laboratory-positive influenza cases for at least two consecutive weeks was considered to be "in-season" or influenza weeks; all other weeks are considered to be "off-season" or non-influenza weeks.

Links to Service-Specific Influenza Reports:

Select the following links to see service-specific influenza surveillance weekly reports:

- Navy and Marine Corps Public Health Center (NMCPHC):
 https://www.med.navy.mil/sites/nmcphc/epi-data-center/influenza/Pages/default.aspx
- United States Air Force School of Aerospace Medicine (USAFSAM)/Defense Health Agency (DHA): <u>https://hpws.afrl.af.mil/epi-consult/influenza/ActivityUpdates.cfm</u>