

DoD Consolidated Influenza Surveillance Report

Week 43 (20 October 2019—26 October 2019)



One Page Summary: Weekly Highlights

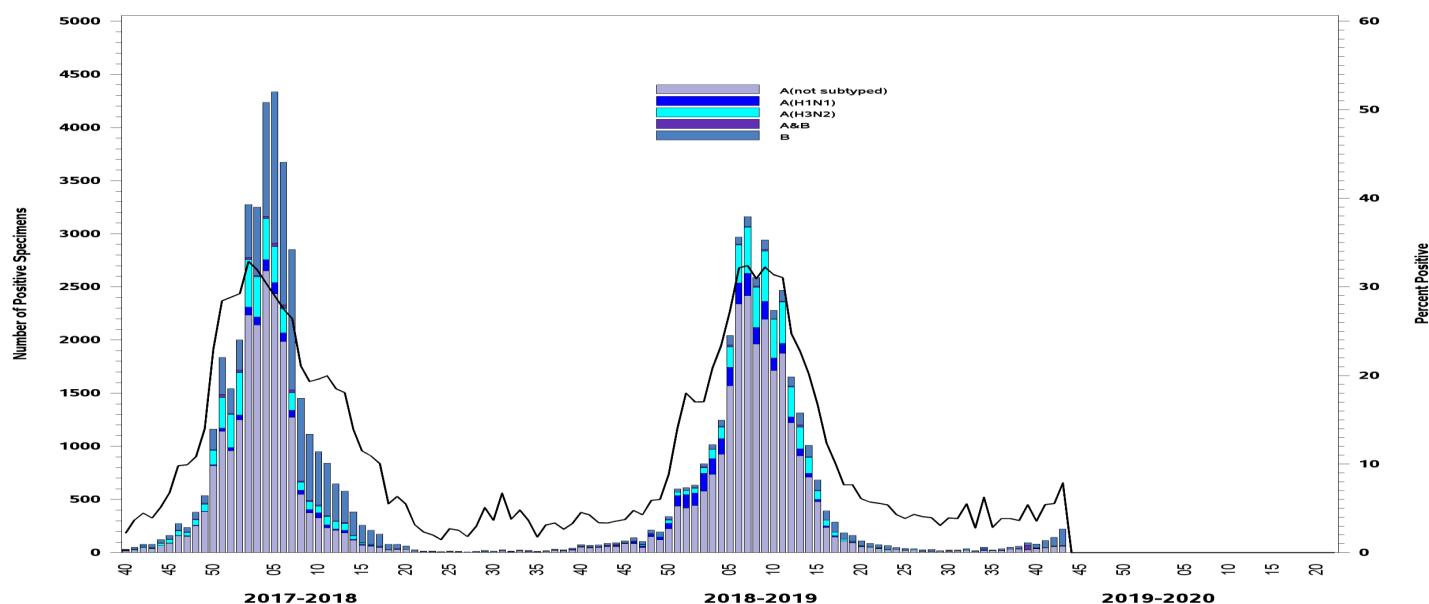
- Laboratory-confirmed influenza cases remained low for both Service Members and other beneficiaries.
- Influenza-like illness (ILI) activity overall has been minimal.
- The majority of laboratory-confirmed influenza cases have been type B. However, among beneficiaries aged 65+, influenza A (not subtyped) has predominated.
- There have been 3 laboratory-confirmed influenza hospitalizations reported this season (1 Service Member and 2 other beneficiaries).

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.

Influenza Surveillance Indicators (2019-2020 season)

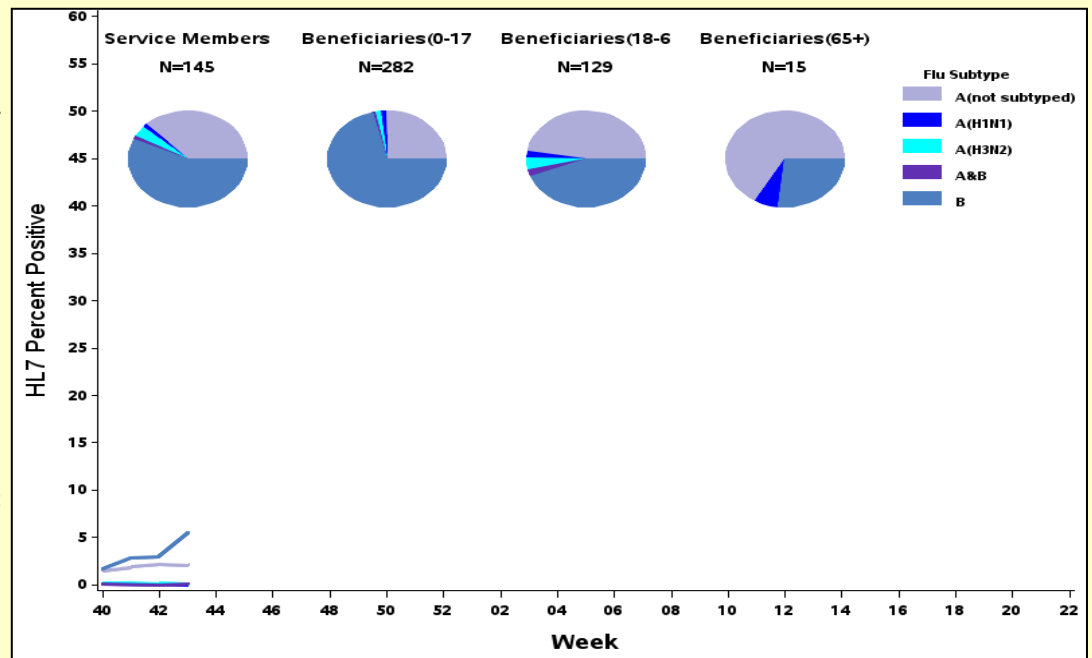
All Beneficiaries	Total Per Week			Trend	Activity Level
Laboratory Cases	N	221		▲	Low
Dispensed Antivirals	N	366		▲	Low
Severity				Activity Level	
Inpatient Laboratory Cases	N	1		◀▶	Low
Inpatient Dispensed Antivirals	N	9		◀▶	Low
Active Component				Activity Level	
Active Duty Laboratory Cases	N	40		◀▶	Low
Active Duty Dispensed Antivirals	N	82		◀▶	Low
ILI Outpatient Visits	%	2.13		◀▶	Low

Laboratory-Confirmed Influenza: Percent Positive and Serotype Distribution



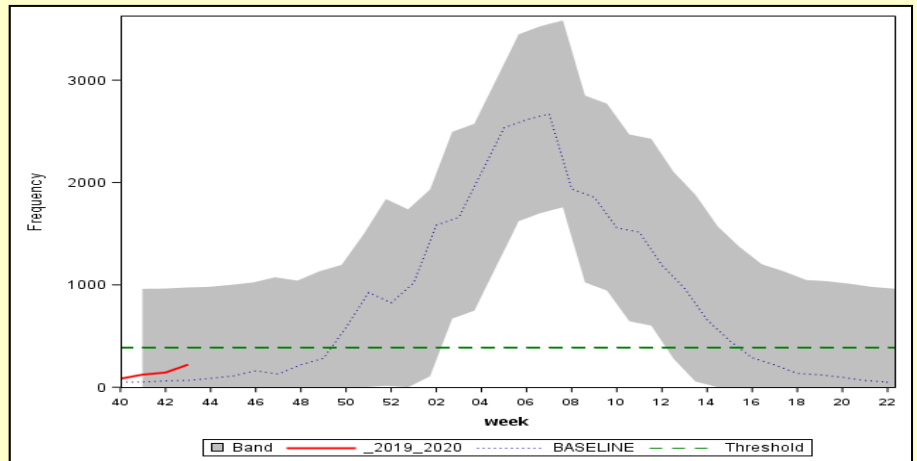
Laboratory-Confirmed Influenza

Number and Percent of Positive Specimens, by Beneficiary Status and Serotype



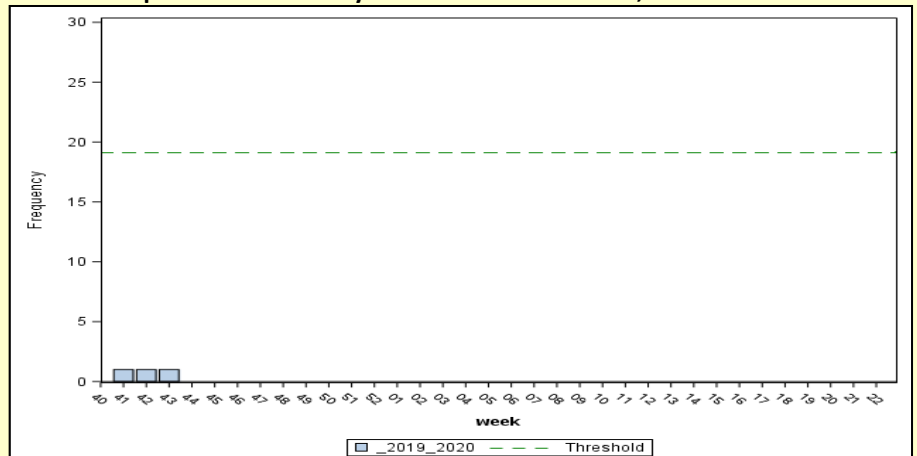
- To date, children had the highest number of laboratory-confirmed influenza specimens at 282, while Service Members had the second highest count at 145.
- The majority of laboratory-confirmed influenza has been type B. However, among beneficiaries aged 65+, influenza A (not subtyped) has predominated.

Laboratory-Positive Influenza Cases, All Beneficiaries



- The number of laboratory-confirmed cases has increased slightly each week, but remained below baseline and within the threshold.
- Band and threshold indicate one and two standard deviations above seasonal baseline estimates, respectively.

Hospitalized Laboratory-Positive Influenza Cases, All Beneficiaries



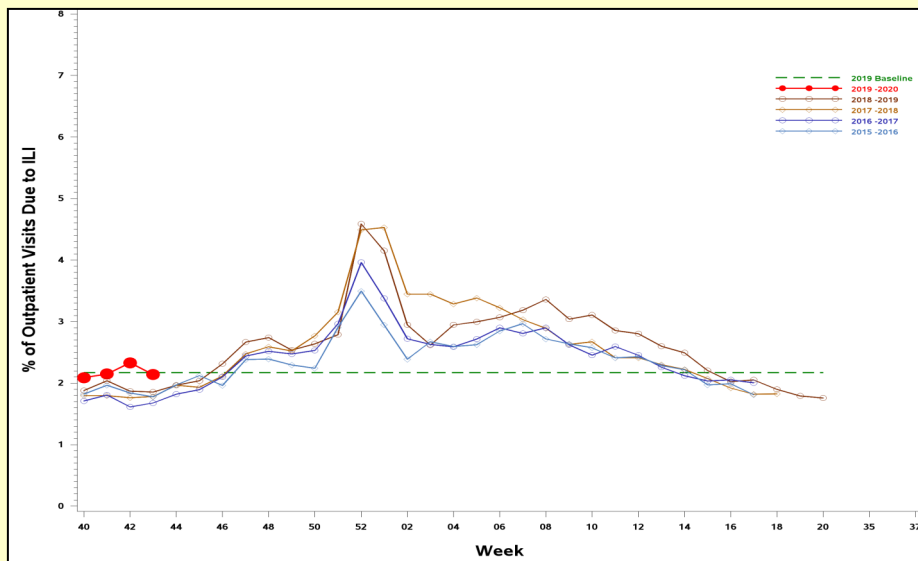
- There have been 3 laboratory-confirmed influenza hospitalizations reported this season. One among a Service Member in Texas and two among other beneficiaries.
- Threshold indicates one standard deviation above the overall weighted average during the season.

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ILI and Dispensed Antiviral Prescriptions

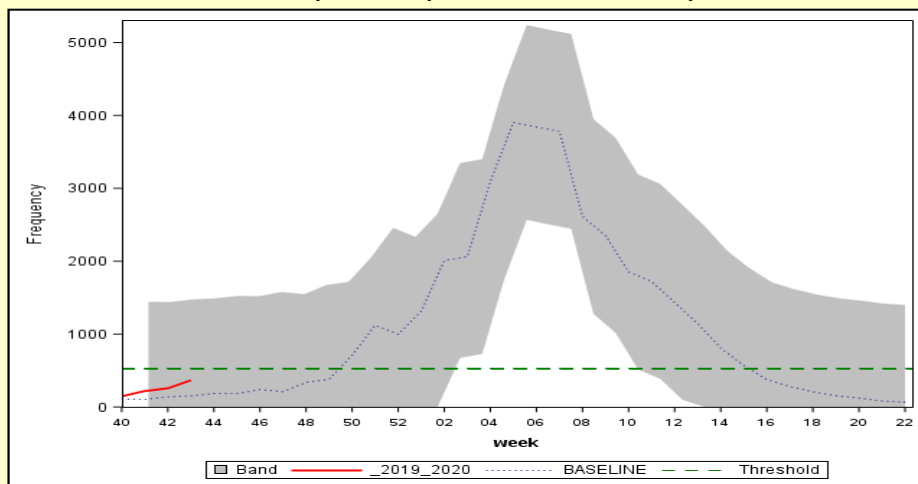
- The percent of outpatient visits due to ILIs has been slightly above previous seasons and was at baseline for week 43.

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



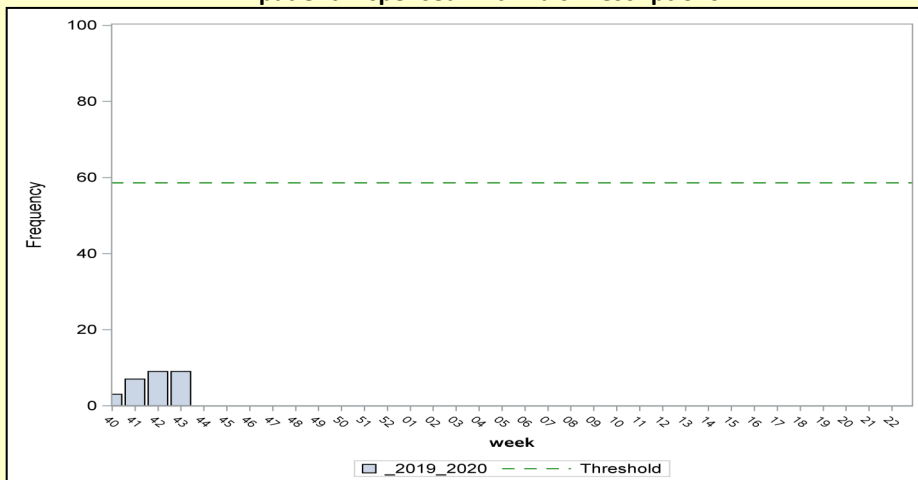
- Dispensed antiviral prescriptions have increased slightly each week, but remained below baseline and within the threshold.
- Band and threshold indicate one and two standard deviations above seasonal baseline estimates, respectively.

Influenza-Specific Dispensed Antiviral Prescriptions



- Inpatient dispensed antiviral prescriptions have remained low and well below the threshold.
- Threshold indicates one standard deviation above the overall weighted average during the season.

Inpatient Dispensed Antivirals Prescriptions



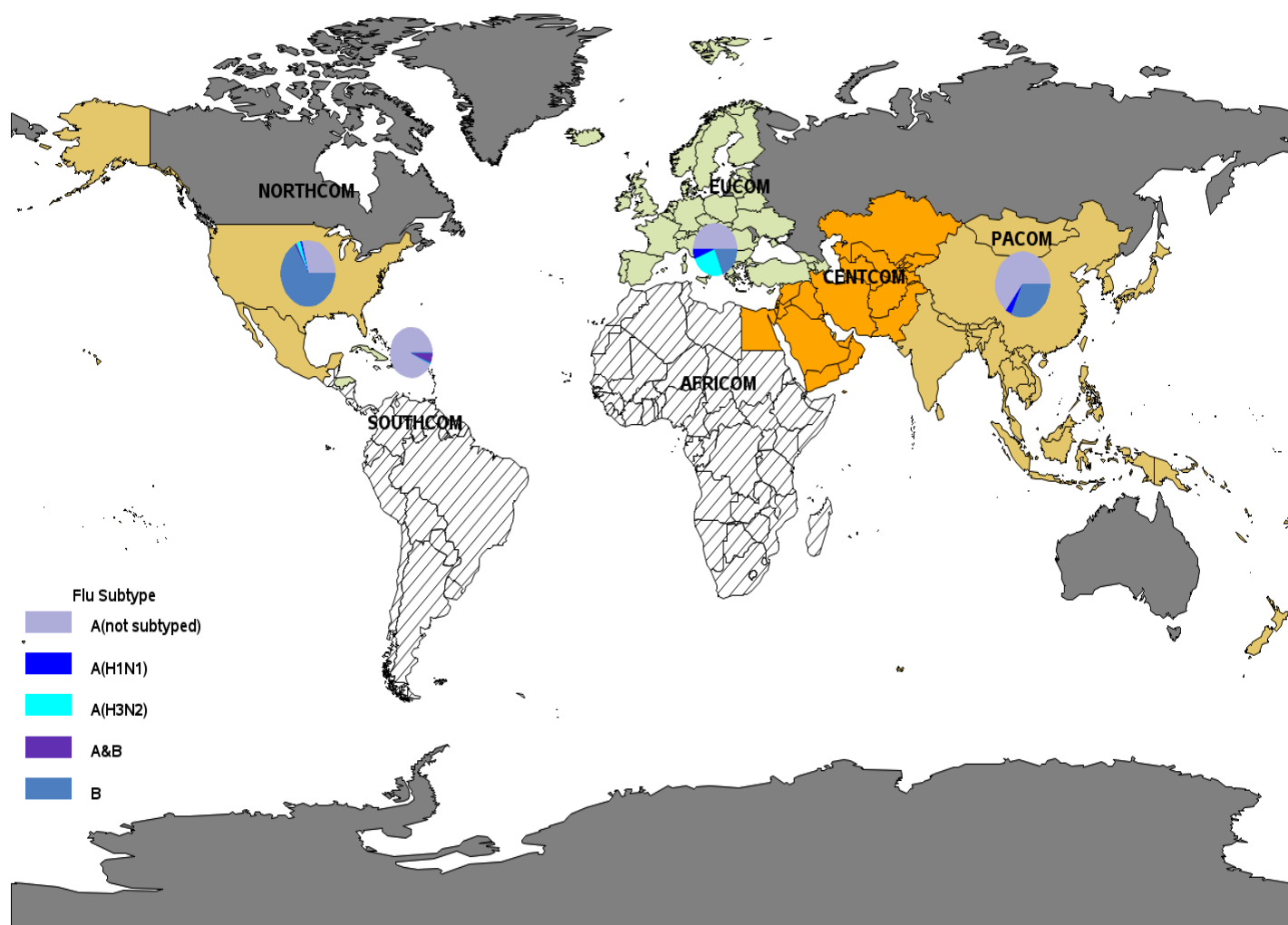
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Influenza Activity: Geographic Combatant Command

(2019-2020 Season: Week 43)

- NORTHCOM: ILI activity was low. The majority of positive specimens have been influenza B.
- EUCOM: ILI activity was minimal. Among positive specimens, half have been influenza A (not subtyped), with influenza A (H3N2) as the second most common subtype.
- INDOPACOM: ILI activity was low. The majority of positive specimens were influenza A (not subtyped).
- SOUTHCOM: ILI activity was minimal in Cuba. The majority of specimens were influenza A (not subtyped).
- CENTCOM: ILI activity was moderate, although data are only complete through 16OCT2019, so activity levels may change once full data is received. Laboratory data is not available for CENTCOM.

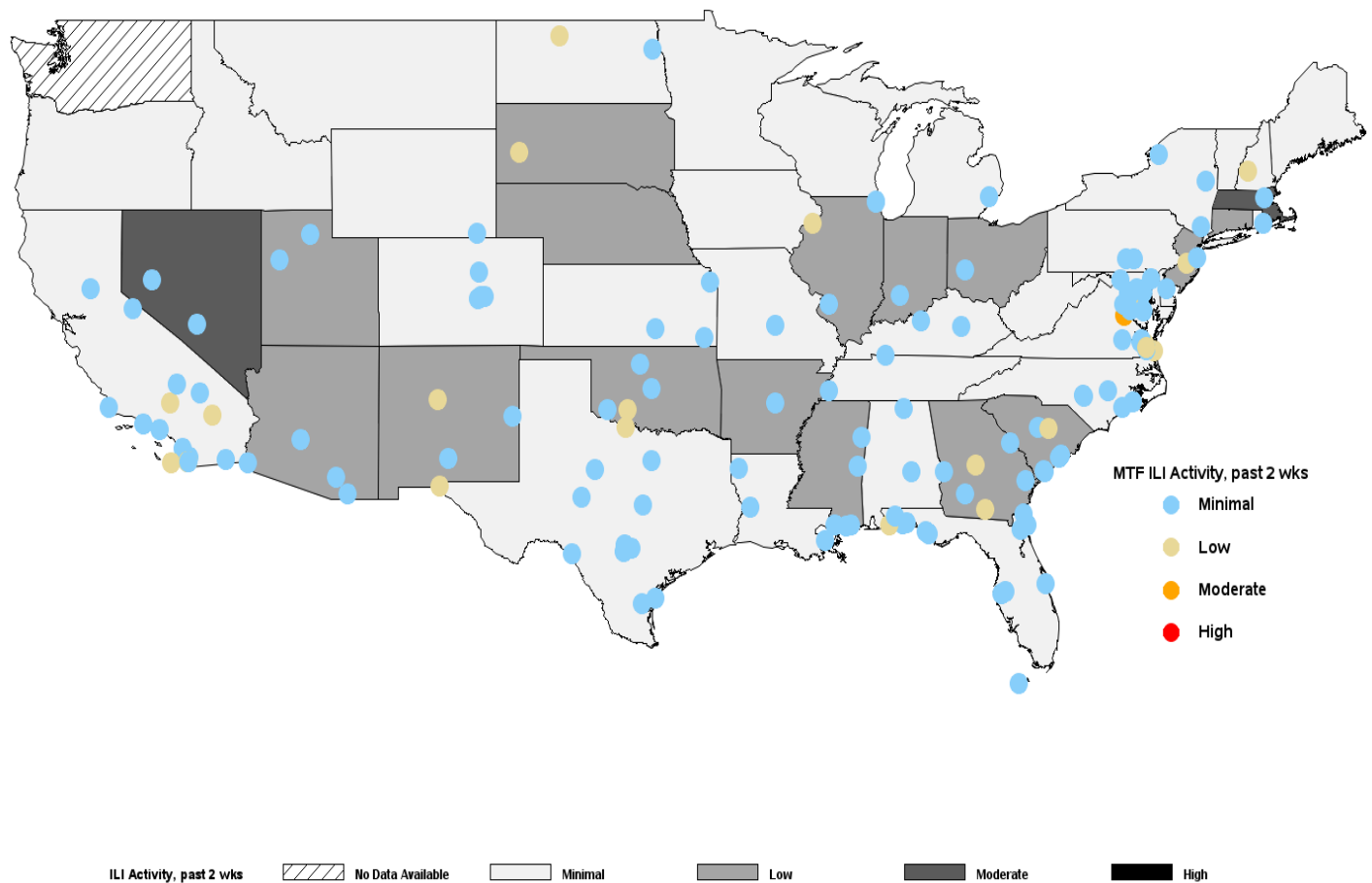
ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)



Influenza Activity: NORTHCOM (2019-2020 Season: Week 43)

- The majority of installations had minimal or low ILI activity.
- One installation had moderate ILI activity, Langley AFB in Virginia, with 3.5% of all encounters due to ILI.
- 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 10-12 of the report.

ILI Activity (Service Members) by State and Installation

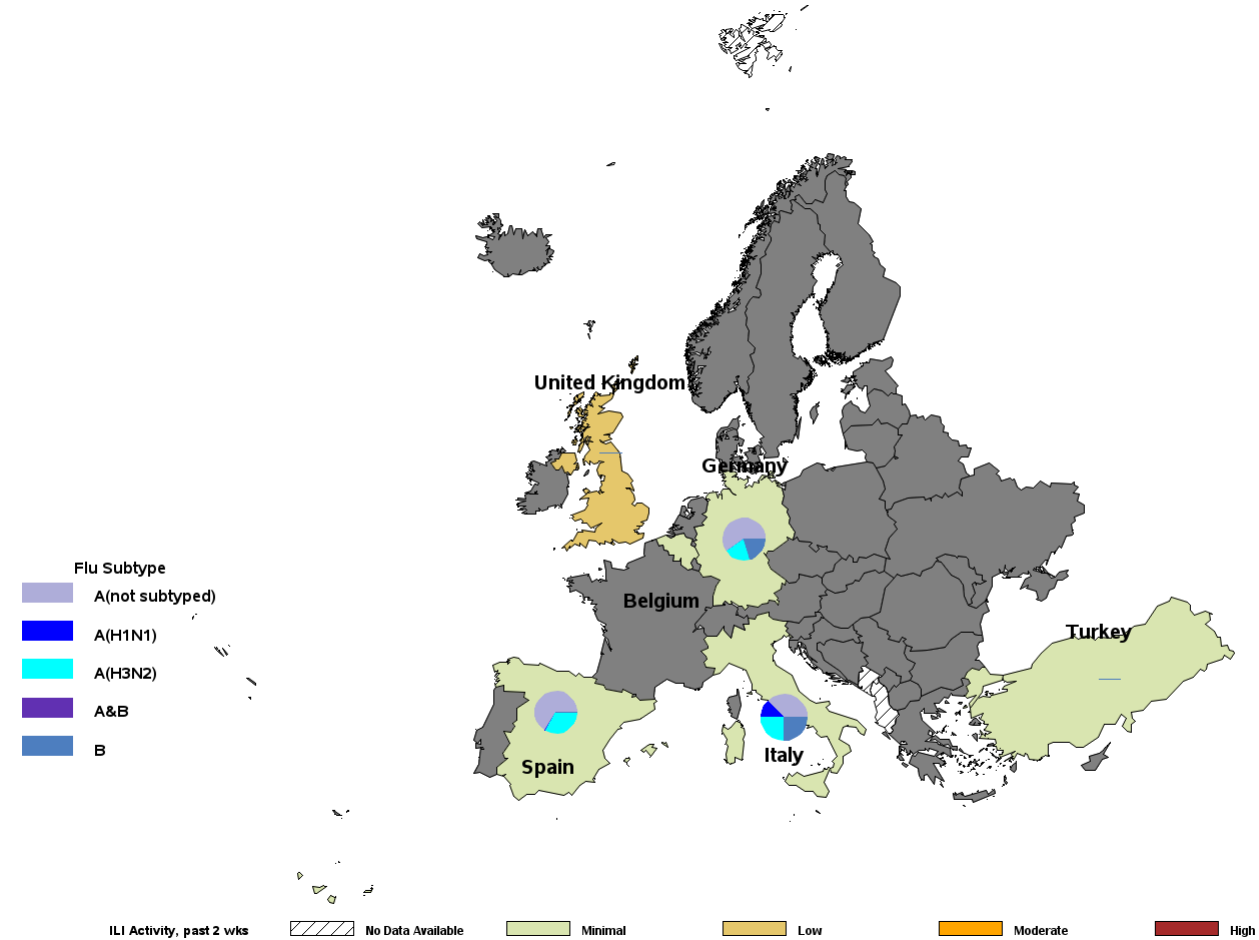


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Influenza Activity: EUCOM (2019-2020 Season: Week 43)

- ILI activity was minimal across EUCOM, with the exception of the United Kingdom, which had low activity.
- Only 16 EUCOM specimens have tested positive for influenza this season. Of those, the majority have been influenza A (8 not subtyped, 1 H1N1, and 4 H3N2).

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

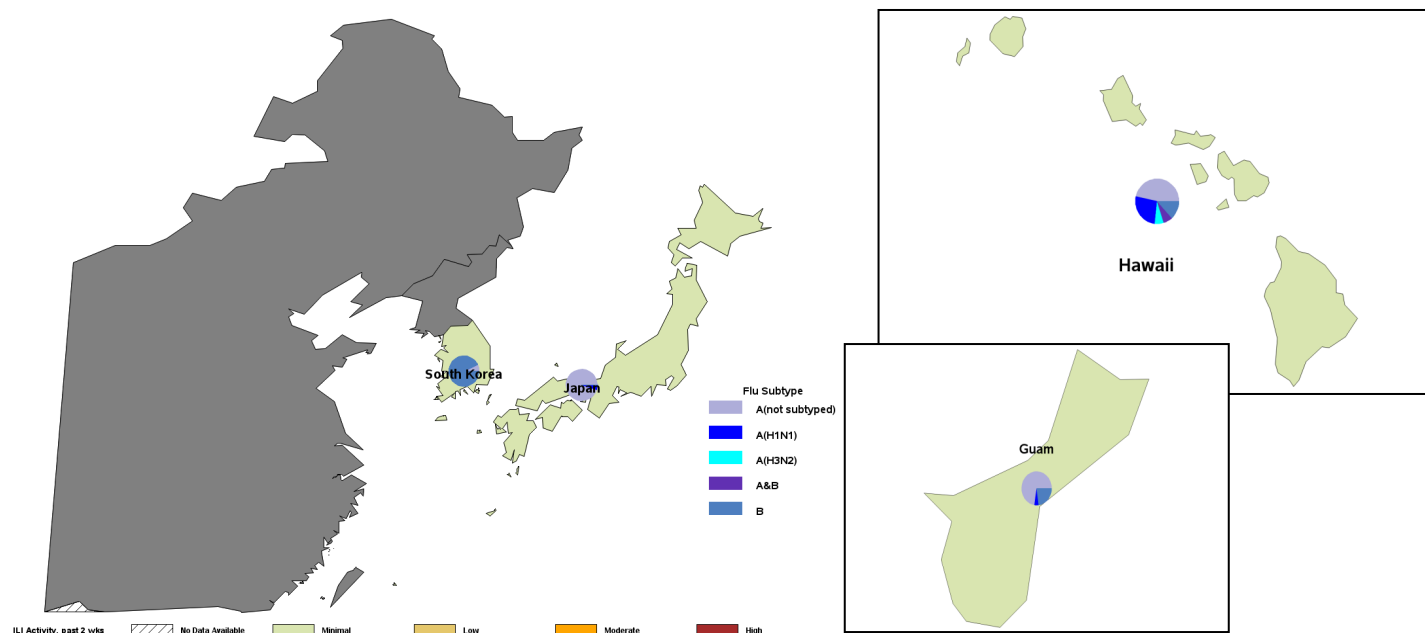


Country	Location	Service	A (not subtyped)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
Belgium	Shape	A	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Germany	Barton Barracks	A	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Germany	Landstuhl RMC	A	1	2	0	0	0	1	0	0	0	0	1	43	2	↓
Germany	Patch Barracks	A	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Germany	Ramstein AB	F	0	0	0	0	0	0	0	0	0	0	0	6	0	↔
Germany	Spangdahlem AB	F	0	0	0	0	0	0	0	0	0	0	0	4	0	↔
Germany	USAG Bavaria	A	0	0	0	0	0	0	0	0	0	0	0	37	0	↔
Germany	USAG Hohenfels/	A	0	1	0	0	0	0	0	0	0	0	0	5	0	↔
Germany	USAG Kaiserslautern	A	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Germany	USAG Katterbach	A	0	0	0	0	0	0	0	0	1	1	1	2	50	↔
Germany	USAG Wiesbaden	A	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Italy	Aviano AB	F	1	1	0	0	0	0	0	0	0	2	1	3	33	↔
Italy	NAS Sigonella	N	0	0	0	0	0	0	0	0	0	0	0	2	0	↔
Italy	NSA Naples	N	0	0	0	1	0	0	0	0	0	0	0	7	0	↔
Italy	USAG Italy	A	0	2	0	0	0	2	0	0	0	0	0	17	0	↔
Spain	NS Rota	N	0	2	0	0	0	1	0	0	0	0	0	21	0	↔
Turkey	Incirlik AB	F	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
United Kingdom	RAF Alconbury	F	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
United Kingdom	RAF Croughton	F	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
United Kingdom	RAF Lakenheath	F	0	0	0	0	0	0	0	0	0	0	0	13	0	↔

Influenza Activity: INDOPACOM (2019-2020 Season: Week 43)

- ILI activity was minimal across INDOPACOM.
- In the Republic of Korea, the majority of positive specimens have been influenza B. All but one of the positive specimens for the season have come from Yongsan Garrison.
- In Japan, the majority of positive specimens have been influenza A (not subtyped) and are from installations in Okinawa.

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



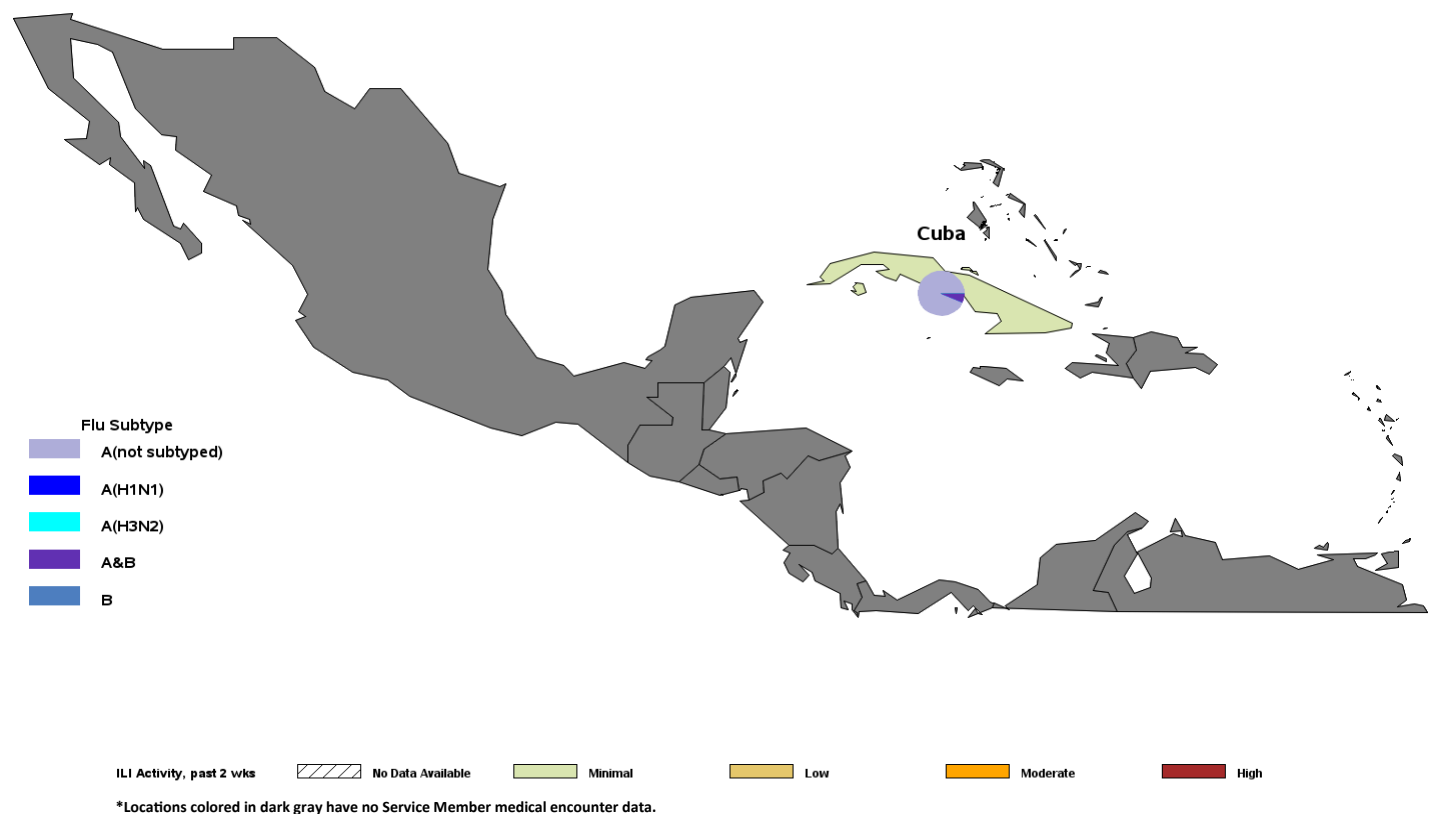
*Locations colored in dark gray have no Service Member medical encounter data.

Country	Location	Service	A (not sub-typed)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
Guam	AFB Andersen	N	8	15	0	0	0	0	0	0	1	4	9	54	17	↔
Guam	JB Andersen	F	0	1	0	1	0	0	0	0	1	1	1	7	14	↔
Japan	CFA Okinawa	N	3	6	0	0	0	0	0	0	0	0	3	18	17	↓
Japan	CFA Yokosuka	N	0	1	0	0	0	0	0	0	0	0	0	11	0	↔
Japan	Camp Foster	N	0	0	0	0	0	0	0	0	0	0	0	11	0	↔
Japan	Camp Fuji	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Japan	Camp Zama	A	0	0	0	0	0	0	0	0	0	0	0	8	0	↔
Japan	Kadena AB	F	1	2	0	1	0	0	0	0	0	0	1	1	100	↓
Japan	MCAS Futenma	N	0	0	0	0	0	0	0	0	0	0	0	2	0	↔
Japan	MCAS Iwakuni	N	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
Japan	Misawa AB	F	0	0	0	0	0	0	0	0	0	0	0	13	0	↔
Japan	NAF Atsugi	N	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
Japan	NB Okinawa	N	3	11	0	0	0	0	0	0	0	0	3	59	5	↓
Japan	USFA Sasebo	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Japan	Yokota AB	F	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
Korea, Republic of	CFA Chinhae	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Korea, Republic of	Camp Casey	A	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Korea, Republic of	Camp Humphreys	A	1	1	0	0	0	0	0	0	0	0	1	39	3	↔
Korea, Republic of	Camp Walker	A	0	0	0	0	0	0	0	0	0	0	0	10	0	↔
Korea, Republic of	Kunsan AB	F	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Korea, Republic of	Osan AB	F	0	0	0	0	0	0	0	0	0	0	0	13	0	↔
Korea, Republic of	Yongsan Garrison	A	0	0	0	0	0	0	0	0	4	13	4	17	24	↓
United States	Camp H M Smith	N	0	0	0	0	0	0	0	0	0	0	0	2	0	↔
United States	Ft Shafter	A	1	3	2	4	0	1	0	1	0	1	3	79	4	↓
United States	JB Pearl Harbor-Hickam	J	2	2	0	0	0	0	0	0	0	0	2	11	18	↔
United States	MCB Hawaii	N	0	0	0	0	0	0	0	0	0	1	0	18	0	↔
United States	Schofield Barracks	A	2	2	0	0	0	0	0	0	0	0	2	21	10	↓

Influenza Activity: SOUTHCOM (2019-2020 Season: Week 43)

- ILI activity was minimal in Cuba.
- For the season, 14 out of 15 positive specimens have been influenza A (not subtyped).

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

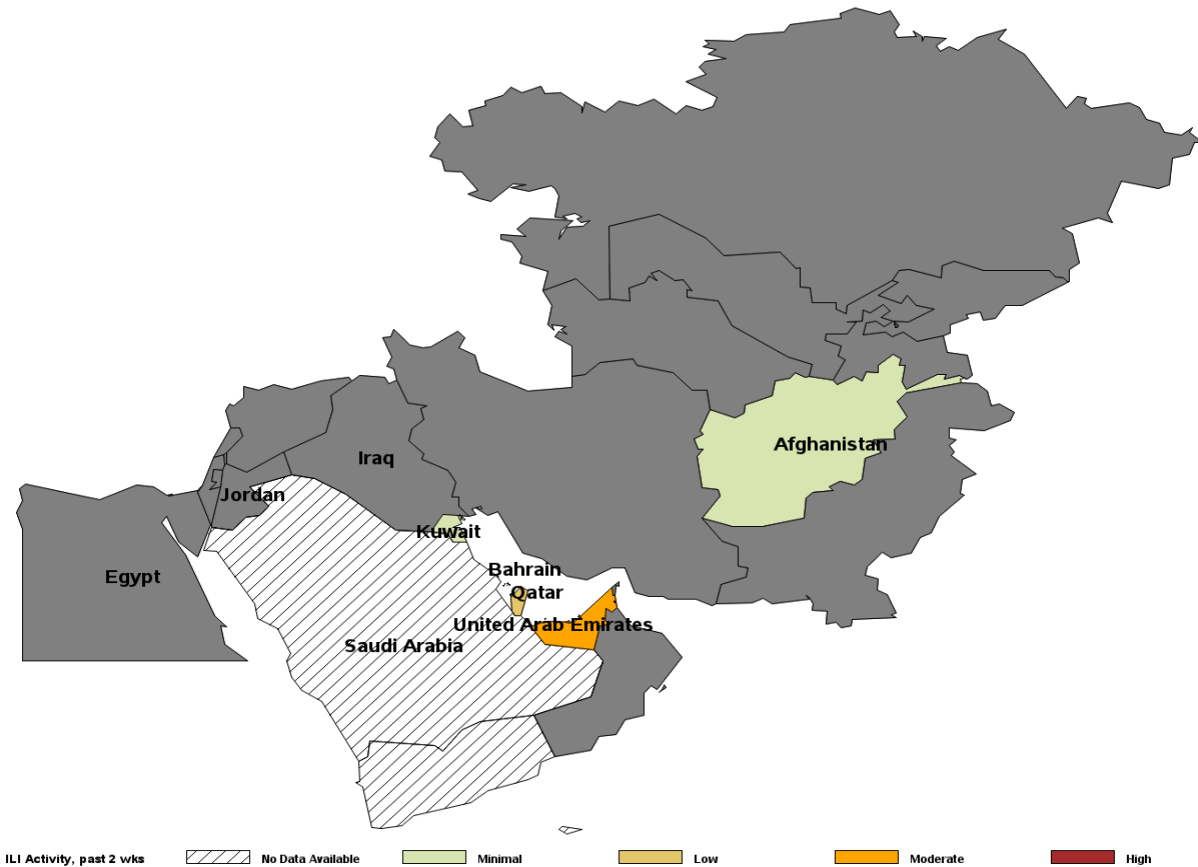


Country	Location	Service	A (not sub-typed)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
Cuba	Guantanamo Bay	N	11	14	0	0	0	0	0	1	0	0	11	30	37	↔

Influenza Activity: CENTCOM (2019-2020 Season: Week 43)

- ILI activity ranged from minimal to moderate (United Arab Emirates). However, the data for CENTCOM countries (TMDS) are only complete through 16OCT2019, so activity levels may change once full data is received.

ILI Activity (Service Members)



NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 43)

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

State	Location	Service	A (not subtyped)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
AK	Eielson AFB	F	0	0	0	0	0	0	0	0	0	0	0	7	0	↔
AK	Ft Greely	A	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
AK	Ft Wainwright	A	1	1	0	0	0	0	0	0	0	0	1	63	2	↓
AK	JB Elmendorf↓Richardson	J	2	4	0	0	0	0	0	0	0	0	2	33	6	↓
AL	Ft Rucker	A	0	0	0	0	0	0	0	0	1	3	1	19	5	↓
AL	Maxwell AFB	F	0	0	0	0	0	0	0	0	0	1	0	18	0	↔
AL	Redstone Arsenal	A	0	0	0	0	0	0	0	0	2	2	2	12	17	↔
AR	Little Rock AFB	F	0	0	0	0	0	0	0	0	0	0	0	17	0	↔
AZ	Davis↓Monahan AFB	F	0	0	0	0	0	0	0	0	2	2	2	4	50	↔
AZ	Ft Huachuca	A	0	0	0	0	0	0	0	0	0	0	0	10	0	↔
AZ	Luke AFB	F	0	0	0	0	0	0	0	0	0	0	0	10	0	↔
AZ	MCAS Yuma	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
CA	Beale AFB	F	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
CA	Camp Pendleton	N	1	2	0	1	0	0	0	0	1	1	2	197	1	↓
CA	Ft Irwin	A	1	1	0	0	0	0	0	0	0	0	1	20	5	↔
CA	Los Angeles AFB	F	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
CA	MBHC Eastlake	N	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
CA	NAF El Centro	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
CA	NB Coronado	N	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
CA	NB San Diego	N	0	0	1	1	1	3	0	0	0	0	2	186	1	↓
CA	NV Ventura County	N	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
CA	Twentynine Palms	N	2	4	0	0	0	0	0	0	0	0	2	40	5	↓
CA	Vandenberg AFB	F	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
CO	Buckley AFB	F	0	0	0	0	0	0	0	0	1	1	1	1	100	↓
CO	Ft Carson	A	7	13	0	0	0	0	0	0	4	6	11	150	7	↔
CO	Peterson AFB	F	1	1	0	0	1	1	0	0	1	1	3	3	100	↓
CO	USAF Academy	F	0	0	0	0	0	0	0	0	0	0	0	19	0	↔
CT	NSB New London	N	0	0	0	0	0	0	0	0	2	3	2	11	18	↔
DC	JB Anacostia↓Bolling	F	0	0	0	0	0	0	0	0	0	0	0	4	0	↔
DC	Pentagon	J	0	0	0	0	0	0	0	0	0	0	0	5	0	↔
DC	Washington Navy Yard	N	0	0	0	0	0	0	0	0	0	0	0	3	0	↔
DE	Dover AFB	F	0	0	0	0	0	0	0	0	2	4	2	36	6	↓
FL	Eglin AFB	J	0	1	0	0	0	0	0	0	0	0	0	41	0	↔
FL	Hurlburt Field	F	0	0	0	0	0	0	0	0	0	0	0	6	0	↔
FL	Macdill AFB	F	1	1	0	0	0	0	0	0	5	8	6	35	17	↑
FL	NAS Jacksonville	J	2	2	0	0	0	0	0	0	15	18	17	104	16	↔
FL	NAS Pensacola	N	1	5	0	0	0	0	0	0	6	10	7	165	4	↑
FL	NAS Whiting Field	N	0	0	0	0	0	0	0	0	0	2	0	9	0	↔
FL	NS Mayport	J	0	0	0	0	0	0	0	0	2	3	2	6	33	↔
FL	Patrick AFB	F	0	1	0	0	0	0	1	1	0	0	1	18	6	↔
GA	Ft Benning	A	0	0	0	0	0	0	2	2	1	1	3	213	1	↔
GA	Ft Gordon	A	0	1	0	0	0	0	0	1	2	2	2	94	2	↓
GA	Ft Stewart	A	2	3	0	0	0	0	0	0	0	0	2	69	3	↔
GA	Hunter Army Airfield	A	0	0	0	0	0	0	0	0	0	1	0	7	0	↔
GA	Moody AFB	F	0	0	0	0	0	0	0	0	0	0	0	5	0	↔
GA	NAS Albany	J	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
GA	NSB Kings Bay	J	0	0	0	0	0	0	0	0	0	0	0	4	0	↔
GA	Robins AFB	F	0	0	0	0	0	0	0	0	0	0	0	2	0	↔

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NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 43)

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

State	Location	Service	A (not subtyped)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
IL	James A Lovell Federal Health	N	0	0	0	0	0	0	0	0	27	51	27	149	18	↔
IL	NS Great Lakes	N	0	0	0	0	0	0	0	0	0	0	0	2	0	↔
IL	Scott AFB	F	0	0	0	0	0	0	0	0	0	1	0	17	0	↔
KS	Ft Leavenworth	A	0	2	0	0	0	0	0	0	0	0	0	21	0	↔
KS	Ft Riley	A	0	0	0	0	0	0	0	0	1	2	1	52	2	↔
KS	McConnell AFB	F	0	0	0	0	0	0	0	0	0	0	0	7	0	↔
KY	Ft Campbell	A	2	4	0	0	0	0	0	0	1	2	3	119	3	↓
KY	Ft Knox	A	0	0	0	0	0	0	0	0	0	0	0	12	0	↔
LA	Barksdale AFB	F	1	1	0	0	0	0	0	0	0	0	1	10	10	↔
LA	Ft Polk	A	0	0	0	0	0	0	0	0	1	1	1	60	2	↔
LA	NAS Belle Chase	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
MD	Aberdeen Proving Ground	A	0	2	0	0	0	0	0	0	0	0	0	4	0	↔
MD	Ft Detrick	A	0	0	0	0	0	0	0	0	1	2	1	6	17	↓
MD	Ft Meade	A	0	0	0	0	0	0	0	0	0	0	0	6	0	↔
MD	JB Andrews	F	1	2	0	0	0	0	0	0	1	1	2	44	5	↓
MD	NAS Patuxent River	N	1	1	0	0	0	0	0	0	0	0	1	12	8	↔
MD	NBHC Bancroft Hall	N	9	9	0	0	0	0	0	0	1	1	10	45	22	↓
MD	NHC Annapolis	N	2	3	0	0	0	0	0	0	0	0	2	8	25	↓
MD	NSF Indian Head	N	0	0	0	0	0	0	0	0	0	0	0	3	0	↔
MD	WRNMMC	J	0	2	0	0	0	0	0	0	1	1	1	124	1	↓
MO	Ft Leonard Wood	A	0	2	0	0	0	0	0	0	0	0	0	19	0	↔
MO	Whiteman AFB	F	0	0	0	0	0	0	0	0	0	0	0	7	0	↔
MS	Columbus AFB	F	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
MS	Keesler AFB	J	0	0	0	0	0	0	0	0	8	13	8	87	9	↑
MS	NAS Meridian	N	0	0	0	0	0	0	0	0	1	1	1	3	33	↔
MS	NBHC Gulfport	N	0	0	0	0	0	0	0	0	1	1	1	10	10	↓
MT	Malmstrom AFB	F	0	0	0	0	0	0	0	0	1	2	1	2	50	↔
NC	Camp Lejeune	N	24	33	0	0	0	0	0	0	0	1	24	139	17	↓
NC	Ft Bragg	J	0	0	0	0	0	0	0	0	0	0	0	111	0	↔
NC	MCAS Cherry Point	N	2	2	0	0	0	0	0	0	0	0	2	14	14	↑
NC	Pope Army Airfield	J	0	0	0	0	0	0	0	0	0	0	0	19	0	↔
NC	Seymour Johnson AFB	J	0	0	0	0	0	0	0	0	0	0	0	11	0	↔
ND	Grand Forks AFB	F	0	0	0	0	0	0	0	0	0	0	0	2	0	↔
ND	Minot AFB	F	0	0	0	0	0	0	0	0	0	0	0	8	0	↔
NE	Offutt AFB	F	0	0	0	0	0	0	0	0	0	0	0	7	0	↔
NH	Portsmouth	N	0	0	0	0	0	0	0	0	1	1	1	4	25	↓
NJ	JB McGuire ↓ Dix ↓ Lakehurst	F	0	0	0	0	0	0	0	0	0	0	0	9	0	↔
NM	Cannon AFB	F	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
NM	Holloman AFB	F	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
NM	Kirtland AFB	F	0	0	0	0	0	0	0	0	0	0	0	5	0	↔
NM	White Sands Missile Range	A	0	0	0	0	0	0	0	0	0	0	0	1	0	↔

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NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 43)

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

State	Location	Service	A (not subtyped)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
NV	Nellis AFB	F	4	4	1	1	1	1	0	0	7	9	13	73	18	↓
NY	Ft Drum	A	3	3	0	0	0	1	0	0	0	0	3	17	18	↔
NY	West Point	A	1	1	0	0	0	0	0	0	1	2	2	29	7	↔
OH	Wright↓Patterson AFB	F	0	0	0	0	0	0	0	0	0	0	0	95	0	↔
OK	Altus AFB	F	0	0	0	0	0	0	0	0	0	0	0	25	0	↔
OK	Ft Sill	A	0	0	0	0	0	0	0	0	0	1	0	41	0	↔
OK	Tinker AFB	F	0	0	0	0	0	0	0	0	0	0	0	19	0	↔
OK	Vance AFB	F	0	0	0	0	0	0	0	0	0	0	0	4	0	↔
PA	Carlisle Barracks	A	0	0	0	0	0	0	0	0	0	1	0	4	0	↔
PR	Ft Buchanan	A	0	0	0	0	0	0	0	0	0	0	0	10	0	↔
RI	NHC New England	N	0	0	0	0	0	0	0	0	0	0	0	8	0	↔
SC	Ft Jackson	A	0	0	0	0	0	0	0	0	0	0	0	43	0	↔
SC	JB Charleston	J	1	2	0	0	0	0	0	0	2	4	3	35	9	↑
SC	MCAS Beaufort	N	0	0	0	0	1	1	0	0	0	0	1	12	8	↓
SC	Parris Island	N	0	1	0	0	0	0	0	0	4	4	4	24	17	↓
SC	Shaw AFB	F	0	0	0	0	0	0	0	0	1	1	1	13	8	↔
SD	Ellsworth AFB	F	0	0	0	0	0	0	0	0	0	0	0	15	0	↔
TN	Ft Campbell	A	1	1	0	0	1	1	0	0	4	4	6	31	19	↔
TN	NSA Mid↓South	N	0	0	0	0	0	0	0	0	0	0	0	3	0	↔
TX	Dyess AFB	F	0	0	0	0	0	0	1	1	0	0	1	5	20	↔
TX	Ft Bliss	A	0	1	0	0	0	1	0	0	0	0	0	216	0	↔
TX	Ft Hood	A	0	2	0	0	0	0	0	0	107	130	107	509	21	↑
TX	Goodfellow AFB	F	0	0	0	0	0	0	0	0	0	0	0	6	0	↔
TX	JB San Antonio	J	6	7	0	0	0	0	0	0	8	9	14	400	4	↔
TX	Laughlin AFB	F	0	0	0	0	0	0	0	0	0	0	0	5	0	↔
TX	NAS Corpus Christi	N	0	0	0	0	0	0	0	0	0	0	0	4	0	↔
TX	Sheppard AFB	F	0	0	0	0	0	0	0	0	0	0	0	44	0	↔
UT	Hill AFB	F	0	0	0	0	0	0	0	0	0	0	0	4	0	↔
VA	Ft Belvoir	J	0	0	0	0	0	0	0	0	0	1	0	137	0	↔
VA	Ft Lee	A	0	0	0	0	0	0	0	0	0	0	0	23	0	↔
VA	JB Langley↓Eustis	J	1	2	0	0	0	0	0	0	1	4	2	43	5	↔
VA	JB Myer↓Henderson Hall	A	0	0	0	0	0	0	0	0	0	0	0	4	0	↔
VA	MCB Quantico	N	0	0	0	0	0	0	0	0	0	0	0	47	0	↔
VA	NAS Oceana	N	0	0	0	0	0	0	0	0	0	0	0	4	0	↔
VA	NB Dam Neck	N	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
VA	NS Norfolk	N	1	1	0	0	0	0	0	0	0	0	1	5	20	↔
VA	NWS Dahlgren	N	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
VA	NWS Yorktown	N	0	0	0	0	0	0	0	0	0	0	0	3	0	↔
VA	Portsmouth	N	1	2	0	0	0	0	0	0	0	0	1	36	3	↔
VA	TPC Suffolk	N	0	0	0	0	0	0	0	0	0	0	0	2	0	↔
WY	FE Warren AFB	F	0	0	0	0	0	0	0	0	0	0	0	11	0	↔

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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.X, J09.X1, J09.X2, J09.X3, J09.X9, J10, J10.0, 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, J11.08, J11.1, J11.2, J11.8, 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 2 SD above the mean, but less than 4 SD above the mean. Moderate 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.

Surveillance Programs and Data Sources

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.