

DoD Consolidated Influenza Surveillance Report

Week 07 (09 February 2020— 15 February 2020)



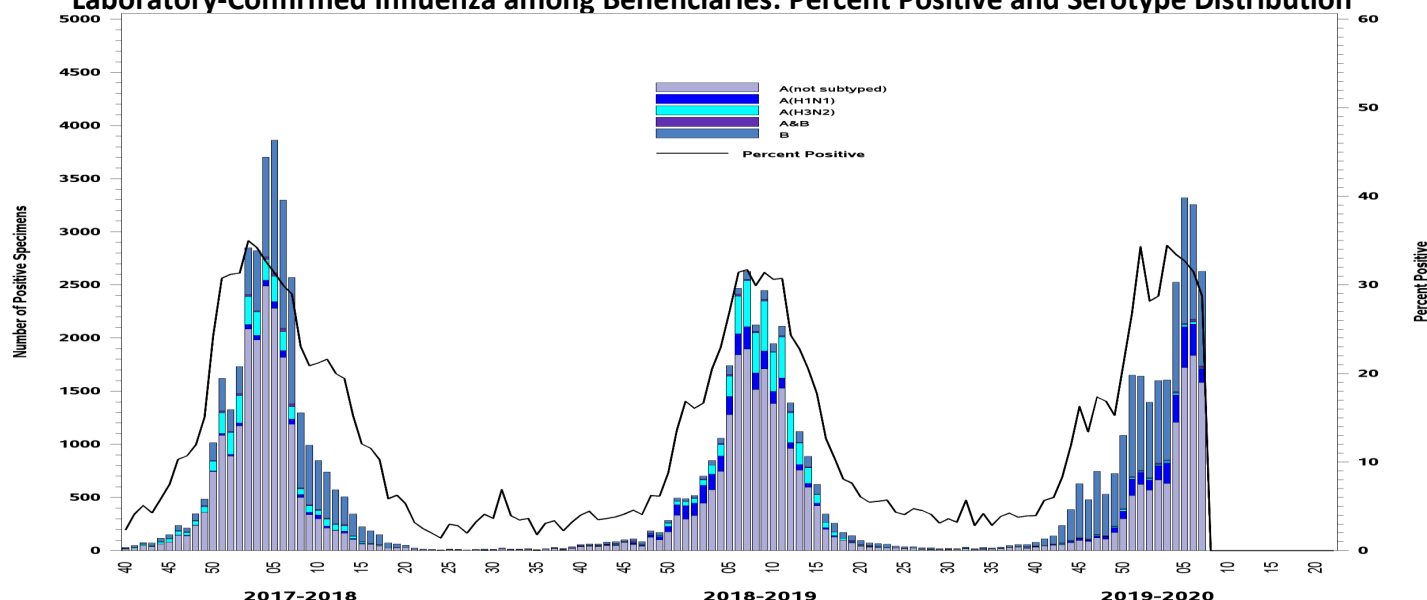
One Page Summary: Weekly Highlights

- Among all beneficiaries, laboratory-confirmed influenza cases and dispensed antiviral prescription counts decreased. Inpatient counts among all beneficiaries decreased.
- Among active component Service Members, laboratory-confirmed influenza cases decreased, but remained elevated. Antiviral prescriptions decreased. Influenza-like illness (ILI) activity decreased, but remained high.
- Sixteen installations had high ILI activity.
- Influenza A and B each accounted for roughly half of the positive specimens in NORTHCOM. Influenza A continued to predominate in all other combatant commands with data. Among subtyped specimens, influenza A(H1N1) has predominated.
- Sixteen new laboratory-confirmed influenza hospitalizations were reported for week 07 (Season total: 162).

Influenza Surveillance Indicators (2019-2020 season)

All Beneficiaries	Total Per Week		Trend	Activity Level
Laboratory Cases	2637		▼	Normal
Dispensed Antivirals	3635		◀▶	Normal
Severity			Activity Level	
Inpatient Laboratory Cases	16		◀▶	Low
Inpatient Dispensed Antivirals	76		▼	Normal
Active Component			Activity Level	
Laboratory Cases	557		▼	Elevated
Dispensed Antivirals	732		▼	Low
ILI Outpatient Visits	3%		◀▶	High

Laboratory-Confirmed Influenza among Beneficiaries: Percent Positive and Serotype Distribution

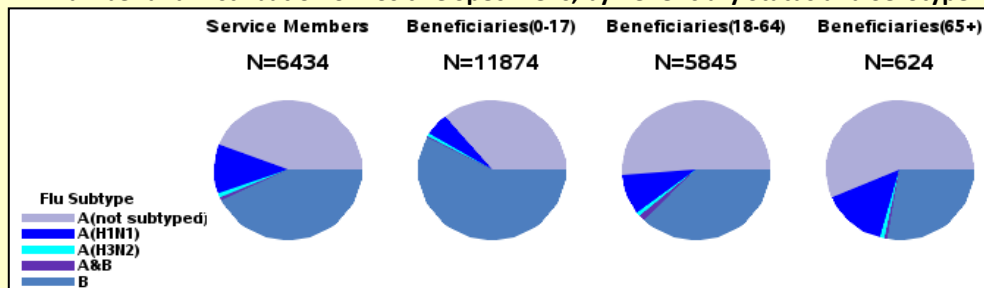


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Laboratory-Confirmed Influenza (2019-2020 Season: Week 07)

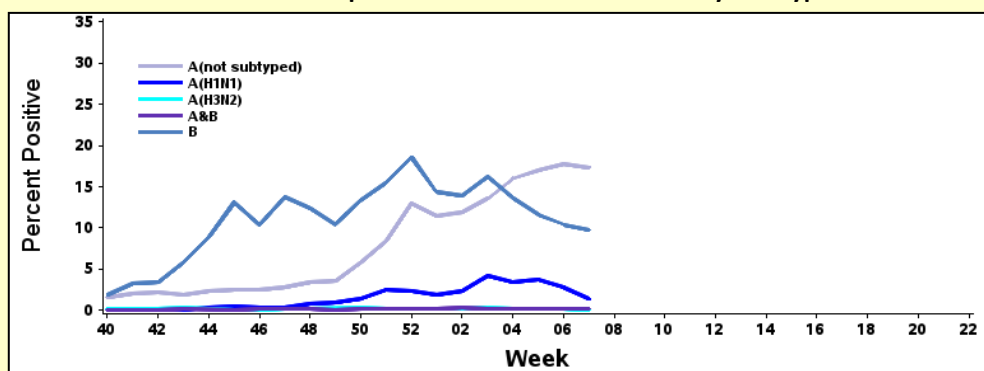
- Children continued to have the highest number of laboratory-confirmed influenza positive specimens at 11,874; Service Members had the second highest count at 6,434.

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



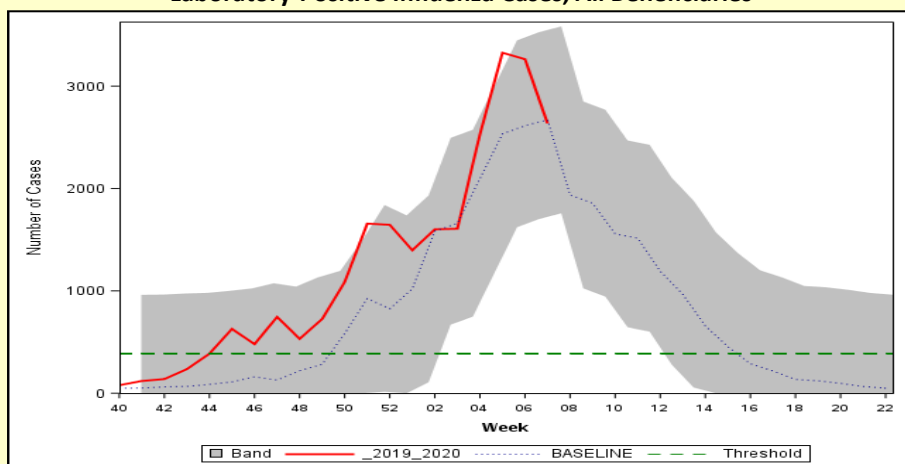
- Influenza A continued to have the highest proportion of laboratory-confirmed influenza positive specimens compared to influenza B among all beneficiaries.

Percent of Specimens Positive for Influenza by Serotype



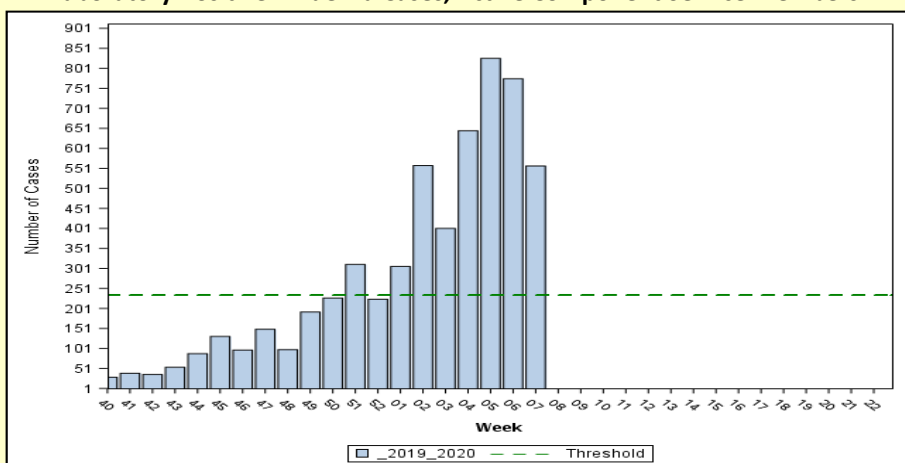
- The number of laboratory-confirmed cases among all beneficiaries decreased and was similar to the weekly baseline, but remained well above the threshold.
- Band indicates one standard deviation above and below seasonal baseline estimates. Threshold indicates two standard deviations above off-season average.

Laboratory-Positive Influenza Cases, All Beneficiaries



- 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.

Laboratory-Positive Influenza Cases, Active Component Service Members

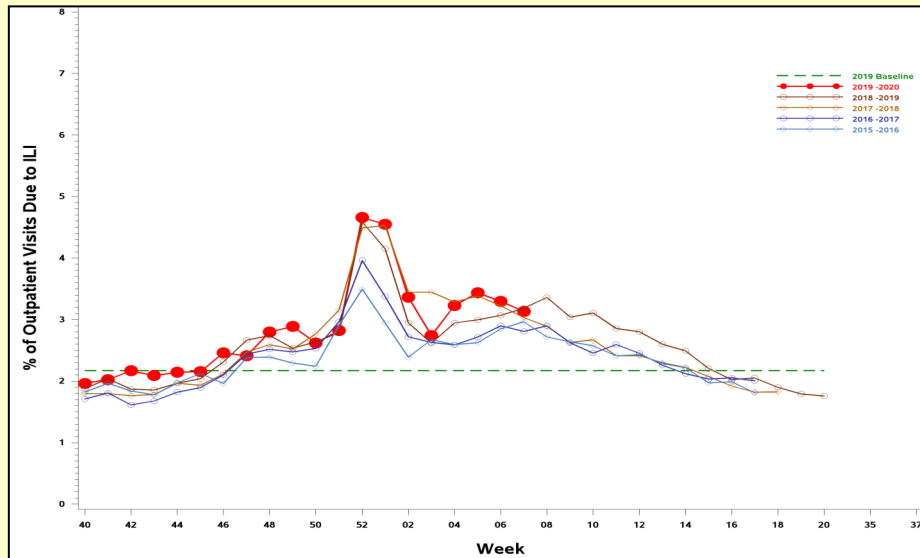


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ILI and Dispensed Antiviral Prescriptions (2019-2020 Season: Week 07)

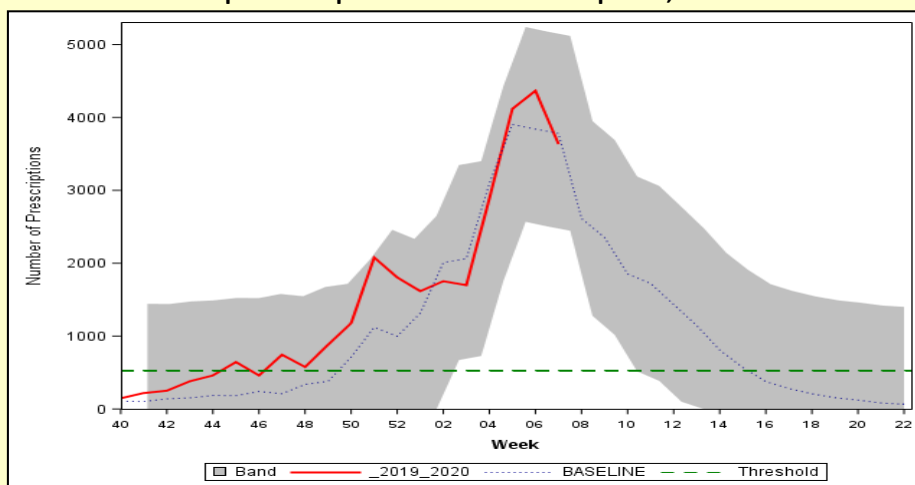
- The percent of outpatient visits due to ILI among Service Members decreased, but remained above baseline and similar to the 2017-2018 season.

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



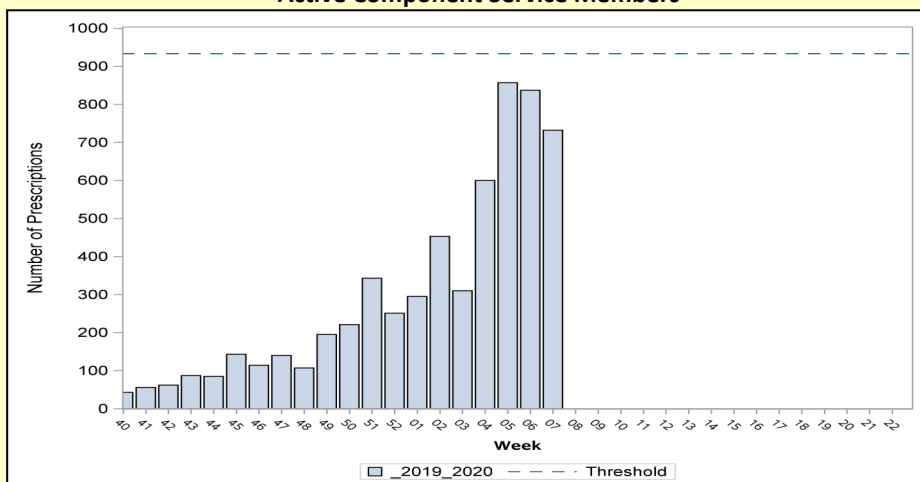
- Dispensed antiviral prescriptions among all beneficiaries decreased and was similar to the weekly baseline, but remained well above the threshold.
- Band indicates one standard deviation above and below seasonal baseline estimates. Threshold indicates two standard deviations above off-season average.

Influenza-Specific Dispensed Antiviral Prescriptions, All Beneficiaries



**Influenza-Specific Dispensed Antiviral Prescriptions:
Active Component Service Members**

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

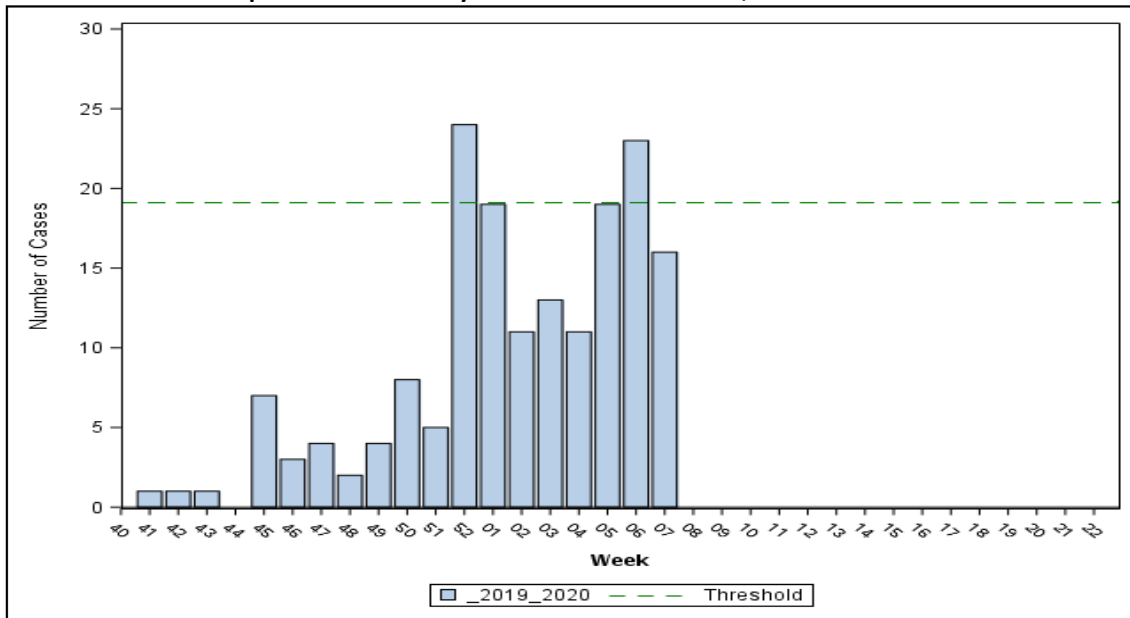


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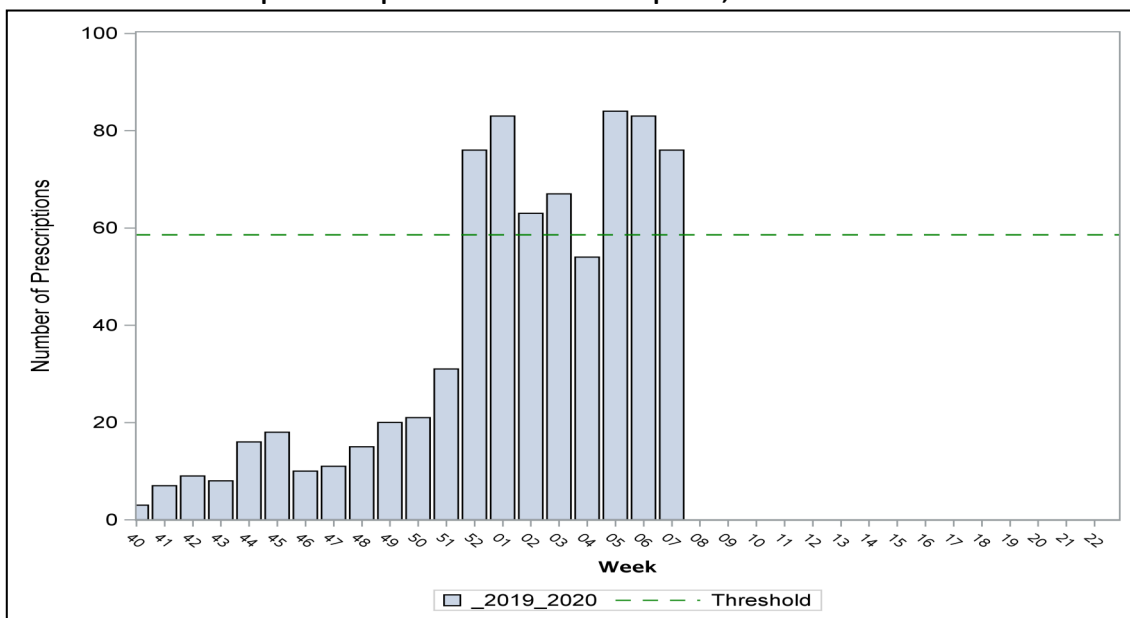
Severity: Hospitalized Influenza Metrics (2019-2020 Season: Week 07)

- Sixteen new laboratory-confirmed influenza hospitalizations were reported for week 07; all among other beneficiaries (BN)
 - Eight influenza A (H1N1): Ft. Bliss (1), JB San Antonio (2), Ft. Hood (1), NMC Portsmouth (4)
 - Four influenza A (not subtyped): Ft. Carson (1), WRNMMC (2), Misawa AB Japan (1)
 - Four influenza B: WRNMMC (1), NMC San Diego (1), and JB San Antonio (2)
- There have been 162 laboratory-confirmed influenza hospitalizations this season (14 Service Members / 148 BN)
- The number of inpatient dispensed antiviral prescriptions decreased, but remained above the threshold.
- Thresholds indicates one standard deviation above the overall weighted average during the season.

Hospitalized Laboratory-Positive Influenza Cases, All Beneficiaries



Inpatient Dispensed Antivirals Prescriptions, All Beneficiaries



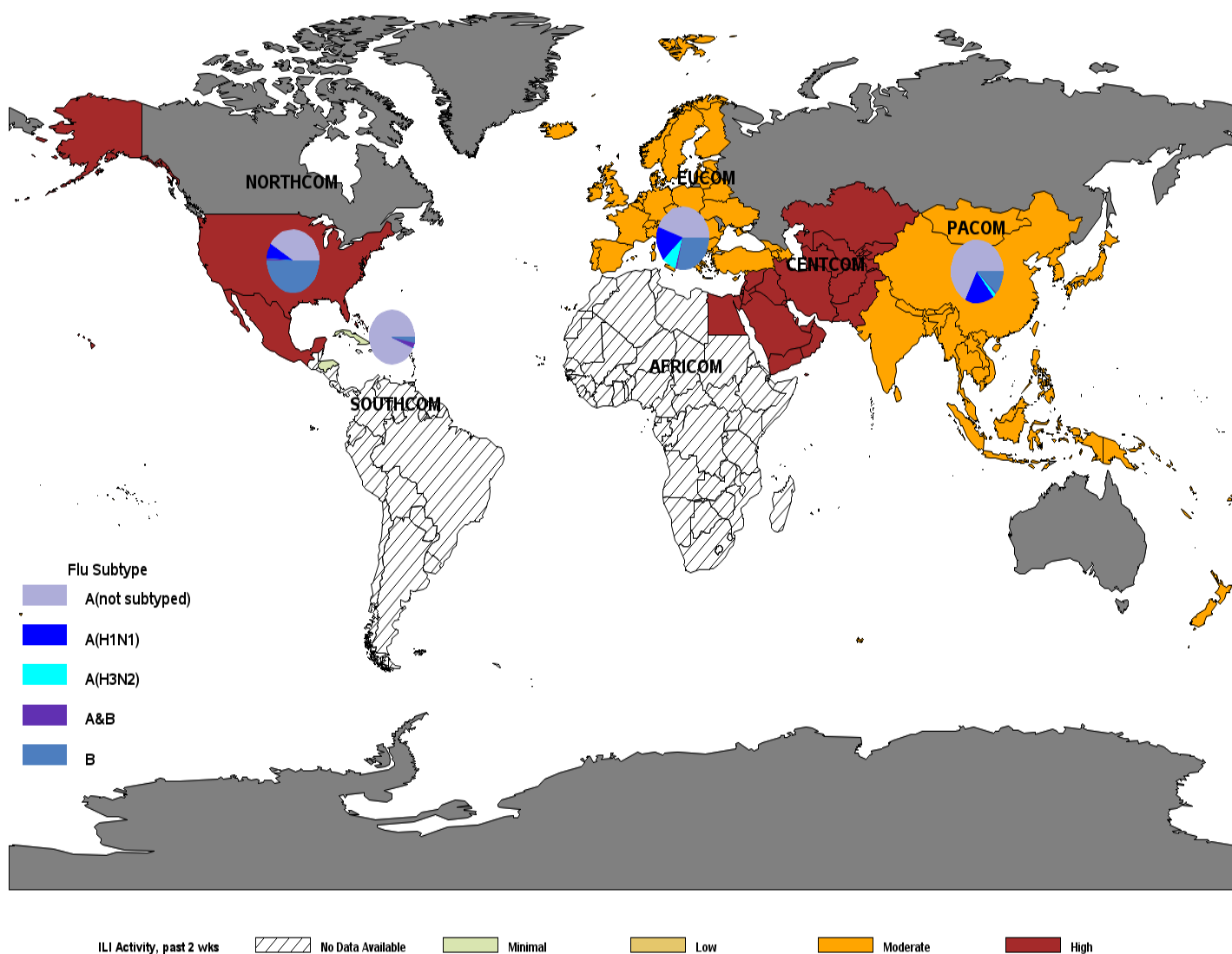
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Influenza Activity: Geographic Combatant Command

(2019-2020 Season: Week 07)

- **NORTHCOM:** ILI activity remained high. Influenza A and B each accounted for roughly half of the positive specimens. Among subtyped influenza A specimens, A(H1N1) has predominated.
- **EUCOM:** ILI activity decreased to moderate. Among positive specimens, the majority continued to be influenza A.
- **INDOPACOM:** ILI activity decreased to 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 remained high.

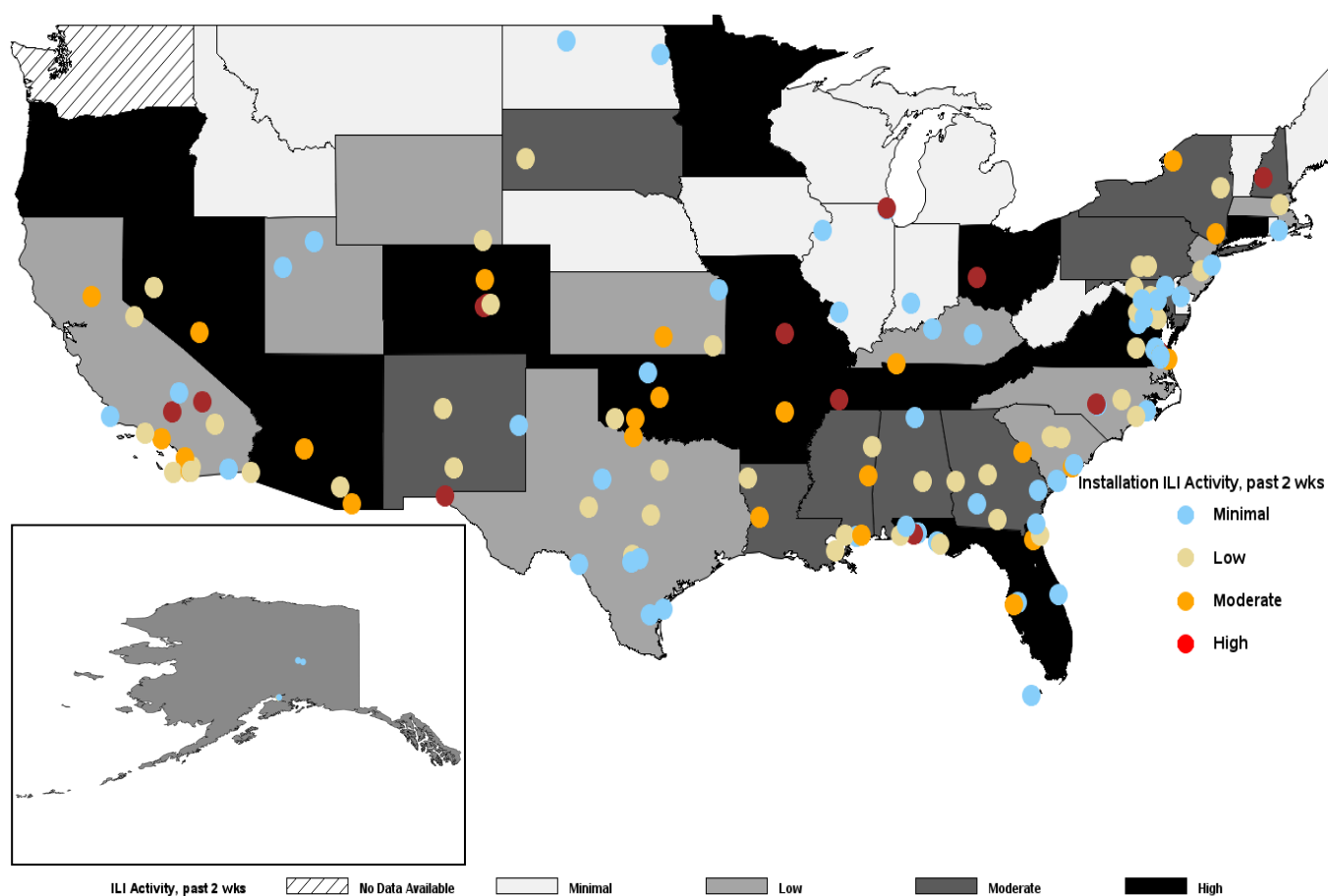
ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)



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

Influenza Activity: NORTHCOM (2019-2020 Season: Week 07)

- The majority of installations had low to moderate ILI activity. Twenty-nine installations had moderate ILI activity and 16 installations had high ILI activity (decrease from week 06).
- At the state level, ILI activity decreased and was low to moderate for the majority of states. However, 13 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.

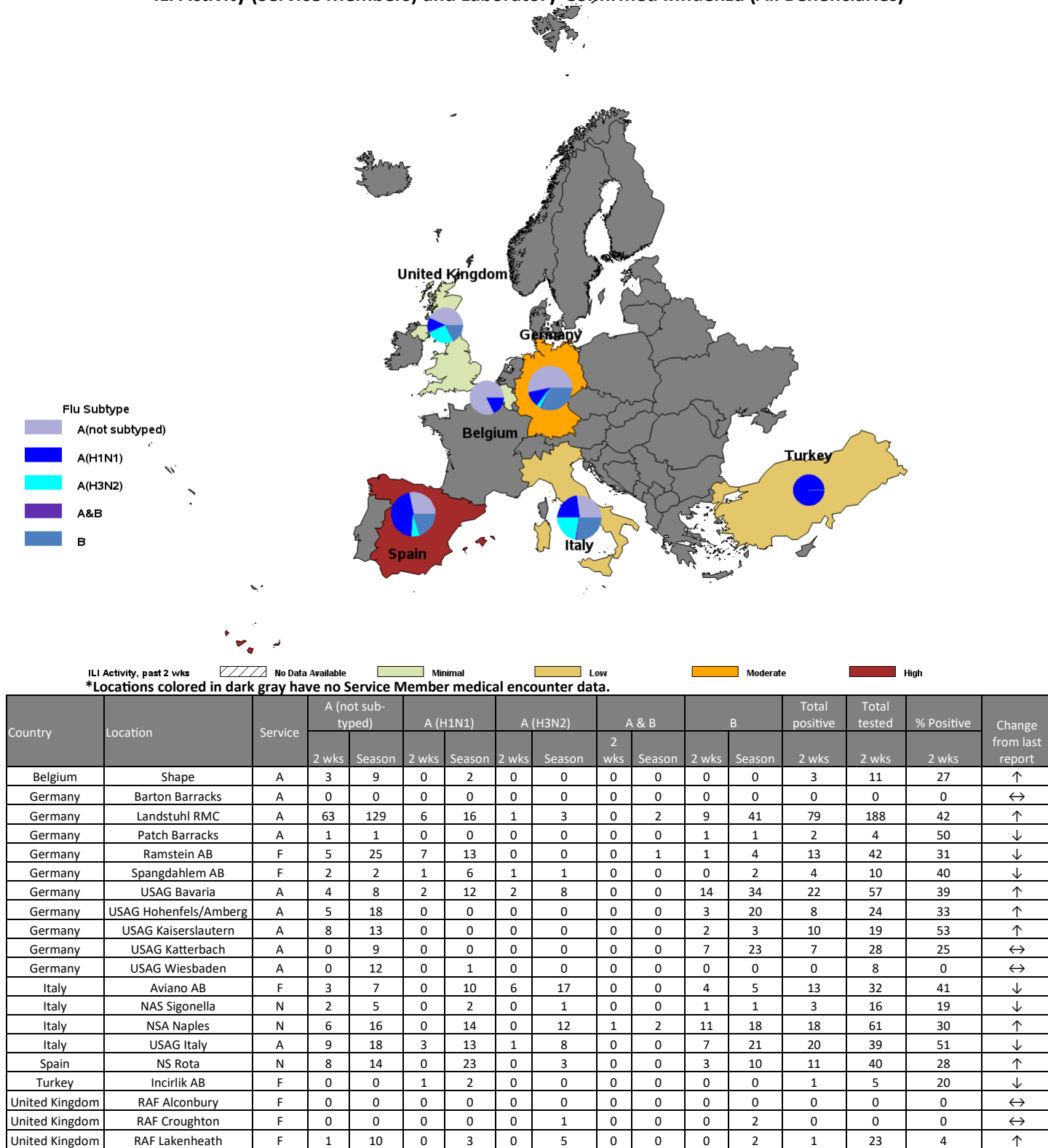


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Influenza Activity: EUCOM (2019-2020 Season: Week 07)

- ILI activity remained high in Spain, moderate in Germany, low in Turkey, and minimal in the United Kingdom and Belgium. ILI activity decreased to low in Italy.
- 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).

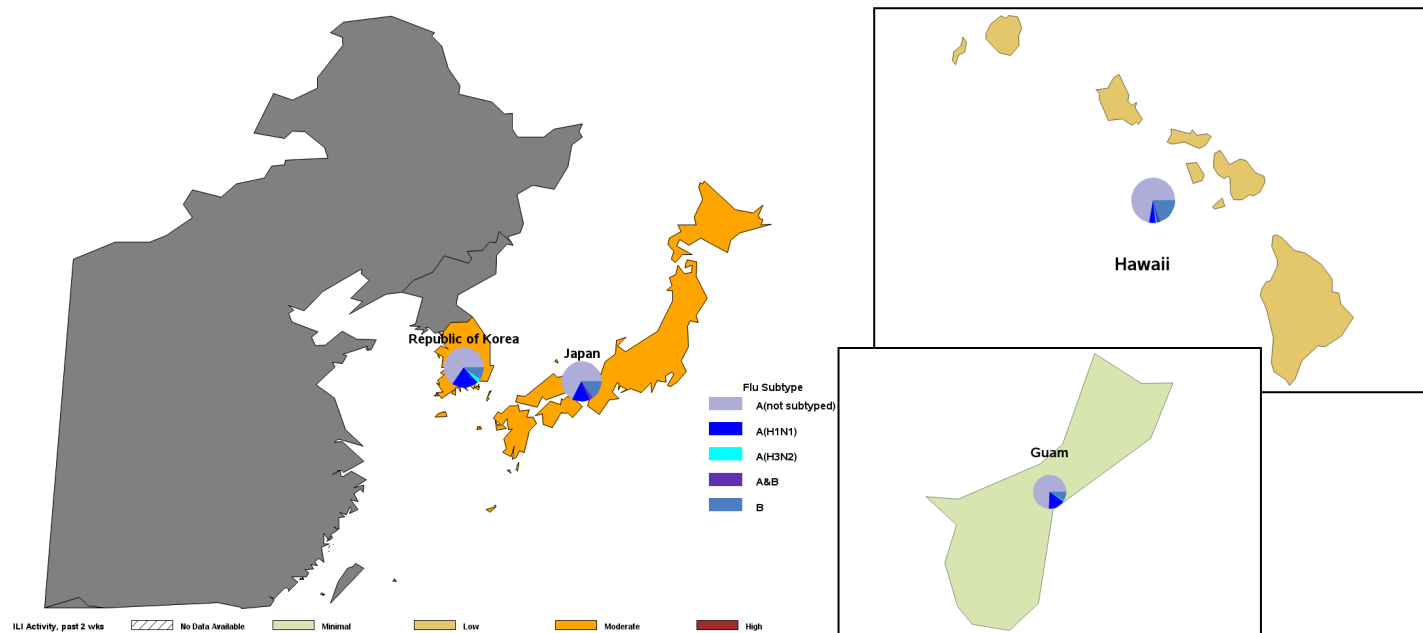
ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)



Influenza Activity: INDOPACOM (2019-2020 Season: Week 07)

- ILI activity increased to moderate in Japan and decreased to moderate in the Republic of Korea. ILI activity remained low in Hawaii and minimal in Guam.
- 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)



*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	JB Andersen	J	4	102	0	22	0	2	0	0	0	11	4	52	8	↓
Japan	CFA Okinawa	N	0	21	0	0	0	0	0	0	2	11	2	24	8	↑
Japan	CFA Yokosuka	N	4	55	0	0	0	0	0	2	1	3	5	46	11	↓
Japan	Camp Foster	N	1	3	0	0	0	0	0	0	0	0	1	8	13	↑
Japan	Camp Fuji	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Japan	Camp Zama	A	3	18	0	0	0	0	1	3	3	12	7	16	44	↓
Japan	Kadena AB	F	0	3	0	6	0	1	0	0	0	2	0	10	0	↔
Japan	MCAS Futenma	N	0	3	0	0	0	0	0	0	1	1	1	3	33	↑
Japan	MCAS Iwakuni	N	0	24	0	0	0	0	0	1	0	2	0	3	0	↔
Japan	Misawa AB	F	8	18	0	0	0	0	0	1	0	3	8	33	24	↓
Japan	NAF Atsugi	N	0	8	0	0	0	0	0	0	4	6	4	9	44	↑
Japan	NB Okinawa	N	10	49	0	0	0	0	0	0	2	5	12	75	16	↑
Japan	USFA Sasebo	N	0	2	0	0	0	0	0	0	1	1	1	3	33	↑
Japan	Yokota AB	F	0	18	0	42	0	0	0	1	0	3	0	8	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	4	0	0	0	0	0	0	0	0	0	4	0	↔
Korea, Republic of	Camp Humphreys	A	3	62	0	0	0	0	0	0	1	2	4	44	9	↑
Korea, Republic of	Camp Walker	A	0	17	0	0	0	0	0	0	0	2	0	2	0	↔
Korea, Republic of	Kunsan AB	F	0	1	0	3	0	1	0	0	0	0	0	0	0	↔
Korea, Republic of	Osan AB	F	4	18	3	67	0	10	0	0	0	7	7	31	23	↓
Korea, Republic of	Yongsan Garrison	A	6	107	0	1	0	0	0	0	0	18	6	64	9	↓
United States	Camp H M Smith	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
United States	Ft Shafter	A	42	198	0	22	0	4	0	8	11	55	53	163	33	↓
United States	JB Pearl Harbor-Hickam	J	17	72	0	1	0	0	2	2	5	18	24	56	43	↓
United States	MCB Hawaii	N	4	18	0	1	0	0	0	0	0	5	4	15	27	↓
United States	Schofield Barracks	A	18	64	0	0	0	0	0	1	1	19	19	57	33	↑

Influenza Activity: SOUTHCOM (2019-2020 Season: Week 07)

- 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)



ILI Activity, past 2 wks

No Data Available Minimal Low Moderate High

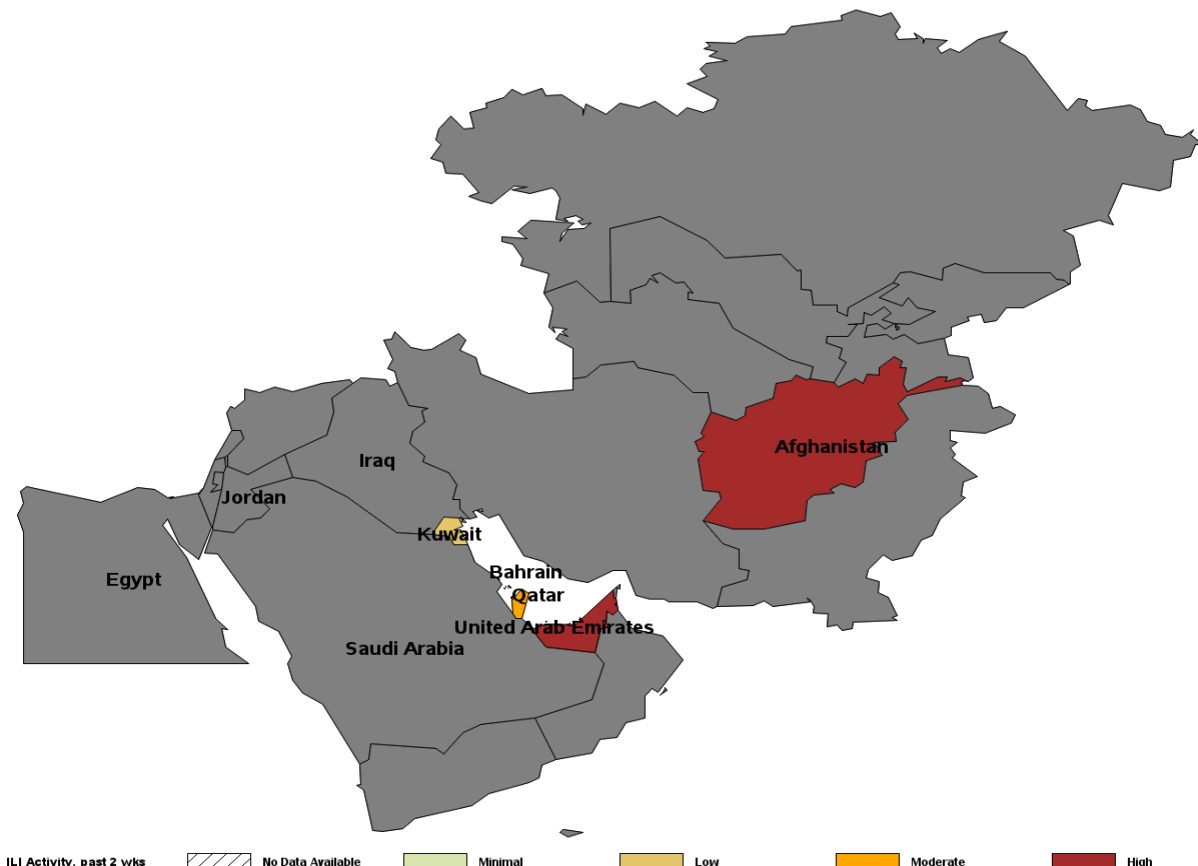
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Country	Location	Service	A (not sub-typed)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
Cuba	Guantanamo Bay	N	1	31	0	0	0	0	0	1	0	1	1	7	14	↑

Influenza Activity: CENTCOM (2019-2020 Season: Week 07)

- ILI activity remained high in Afghanistan and the United Arab Emirates and moderate in Qatar.
- ILI activity increased to low in Kuwait.

ILI Activity (Service Members)



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

NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 07)

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	2	16	2	8	25	↔
AK	Ft Greely	A	0	0	0	0	0	0	0	0	4	5	4	11	36	↓
AK	Ft Wainwright	A	13	73	2	15	0	0	0	0	43	153	58	182	32	↑
AK	JB Elmendorf-Richardson	J	23	59	1	8	0	3	0	0	15	160	39	134	29	↓
AL	Ft Rucker	A	16	42	0	0	0	0	0	0	2	64	18	91	20	↓
AL	Maxwell AFB	F	39	64	4	15	0	0	1	3	4	32	48	140	34	↑
AL	Redstone Arsenal	A	19	37	0	0	0	0	0	0	13	51	32	106	30	↓
AR	Little Rock AFB	F	7	9	11	30	0	0	0	0	12	33	30	55	55	↓
AZ	Davis-Monthan AFB	F	5	5	3	15	0	0	0	0	7	23	15	42	36	↓
AZ	Ft Huachuca	A	41	67	6	10	0	0	0	0	24	51	71	173	41	↓
AZ	Luke AFB	F	9	23	4	13	1	2	0	2	7	49	21	64	33	↓
AZ	MCAS Yuma	N	0	0	0	2	0	0	0	0	0	7	0	0	0	↔
CA	Beale AFB	F	3	27	0	0	0	0	0	0	3	15	6	41	15	↑
CA	Camp Pendleton	N	47	156	42	122	2	18	0	3	23	257	114	290	39	↔
CA	Edwards AFB	F	5	13	0	0	0	0	0	0	0	6	5	14	36	↓
CA	Ft Irwin	A	41	110	0	0	0	0	0	0	6	86	47	197	24	↓
CA	Los Angeles AFB	F	1	2	0	0	0	0	0	0	0	3	1	4	25	↑
CA	MBHC Eastlake	N	0	0	0	9	0	0	0	0	0	4	0	5	0	↔
CA	NAF El Centro	N	0	0	0	3	0	0	0	0	0	0	0	4	0	↔
CA	NB Coronado	N	0	0	4	5	0	0	0	0	0	3	4	10	40	↓
CA	NB San Diego	N	4	21	74	295	3	21	0	9	18	214	99	415	24	↑
CA	NV Ventura County	N	0	0	0	0	0	0	0	0	0	2	0	0	0	↔
CA	Twentynine Palms	N	18	86	0	1	0	0	0	0	6	167	24	159	15	↑
CA	Vandenberg AFB	F	0	14	0	0	0	0	0	1	0	3	0	2	0	↔
CO	Buckley AFB	F	2	17	0	0	0	0	0	0	3	20	5	20	25	↔
CO	Ft Carson	A	149	344	0	0	0	0	0	3	55	451	204	618	33	↓
CO	Peterson AFB	F	5	13	7	34	0	2	0	0	7	44	19	47	40	↓
CO	Schriever AFB	F	2	2	0	4	0	1	0	0	1	9	3	7	43	↓
CO	USAF Academy	F	8	32	2	9	0	1	1	2	23	73	34	81	42	↑
CT	NSB New London	N	5	12	0	0	0	0	0	1	12	33	17	52	33	↑
DC	JB Anacostia-Bolling	F	1	2	0	1	0	0	0	0	0	6	1	5	20	↑
DC	Pentagon	J	17	38	0	0	0	0	0	0	2	8	19	61	31	↓
DC	Washington Navy Yard	N	2	3	0	0	0	0	0	0	5	9	7	15	47	↑
DE	Dover AFB	F	6	7	7	20	0	0	0	1	12	33	25	51	49	↓
FL	Eglin AFB	J	48	153	2	36	0	1	1	2	14	76	65	178	37	↓
FL	Hurlburt Field	F	8	18	0	0	0	0	1	1	0	10	9	30	30	↓
FL	MacDill AFB	F	46	113	1	3	1	2	0	0	10	100	58	188	31	↓
FL	NAS Jacksonville	J	60	299	0	1	0	0	1	2	17	198	78	276	28	↓
FL	NAS Key West	J	0	8	0	0	0	0	0	0	1	2	1	5	20	↓
FL	NAS Pensacola	N	41	184	0	0	0	0	0	2	11	214	52	288	18	↓
FL	NAS Whiting Field	N	2	8	0	0	0	0	0	0	0	11	2	13	15	↓
FL	NS Mayport	J	10	45	0	0	0	0	1	1	0	32	11	43	26	↑
FL	Patrick AFB	F	7	34	0	0	0	0	0	1	1	34	8	46	17	↓
FL	Tyndall AFB	F	1	3	0	0	0	0	0	1	0	7	1	7	14	↓
GA	Ft Benning	A	102	441	0	0	0	2	4	9	38	313	144	604	24	↓
GA	Ft Gordon	A	79	220	1	1	0	0	0	2	9	112	89	296	30	↓
GA	Ft Stewart	A	66	214	0	0	0	0	2	4	15	136	83	258	32	↓
GA	Hunter Army Airfield	A	2	15	0	0	0	0	0	0	2	25	4	37	11	↓
GA	Moody AFB	F	10	14	7	22	0	0	0	0	2	10	19	41	46	↑
GA	NAS Albany	J	3	10	0	0	0	0	0	0	0	14	3	9	33	↑
GA	NSB Kings Bay	J	12	28	0	0	0	0	0	1	4	15	16	52	31	↓
GA	Robins AFB	F	0	2	13	32	0	0	0	0	5	16	18	26	69	↑

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NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 07)

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

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	NS Great Lakes	N	87	214	1	5	0	1	0	2	44	315	132	357	37	↓
IL	Scott AFB	F	5	7	8	28	0	0	0	1	13	34	26	65	40	↓
KS	Ft Leavenworth	A	28	68	0	0	0	0	0	0	33	69	61	151	40	↑
KS	Ft Riley	A	36	117	0	2	0	0	1	1	101	254	138	438	32	↑
KS	McConnell AFB	F	0	1	1	6	0	0	0	0	1	8	2	13	15	↓
KY	Ft Campbell	A	109	289	0	4	0	0	0	0	51	243	160	550	29	↓
KY	Ft Knox	A	3	20	0	0	0	0	0	0	5	8	8	19	42	↓
LA	Barksdale AFB	F	8	26	0	0	0	0	0	0	4	11	12	48	25	↑
LA	Ft Polk	A	39	101	0	0	0	0	0	2	29	124	68	187	36	↑
LA	NAS Belle Chase	N	1	4	0	0	0	0	0	0	0	3	1	5	20	↓
MA	Hanscom AFB	F	2	2	3	6	0	0	0	1	5	11	10	17	59	↓
MD	Aberdeen Proving Ground	A	7	23	0	0	0	0	0	0	12	28	19	50	38	↓
MD	Ft Detrick	A	7	19	0	0	0	0	0	0	9	39	16	50	32	↑
MD	Ft Meade	A	7	24	0	0	0	0	0	0	8	35	15	55	27	↓
MD	JB Andrews	F	47	138	0	0	0	1	1	5	27	167	75	225	33	↑
MD	NAS Patuxent River	N	18	37	0	0	0	0	0	2	17	45	35	106	33	↑
MD	NBHC Bancroft Hall	N	26	74	0	2	0	0	0	2	10	39	36	91	40	↑
MD	NHC Annapolis	N	15	45	0	0	0	0	1	2	7	21	23	50	46	↓
MD	NSF Indian Head	N	4	5	0	0	0	0	0	0	1	10	5	11	45	↑
MD	WRNMMC	J	105	255	4	11	0	1	0	2	59	318	168	424	40	↓
MO	Ft Leonard Wood	A	26	65	0	2	0	2	0	0	87	216	113	303	37	↑
MO	Whiteman AFB	F	11	23	0	0	0	0	0	0	6	26	17	57	30	↑
MS	Columbus AFB	F	2	5	0	0	0	0	0	0	2	8	4	16	25	↓
MS	Keesler AFB	J	51	150	0	2	0	0	0	0	10	178	61	220	28	↔
MS	NAS Meridian	N	7	17	0	0	0	0	0	0	0	6	7	15	47	↓
MS	NBHC Gulfport	N	5	17	0	0	0	0	0	0	6	27	11	26	42	↓
MT	Malmstrom AFB	F	0	1	2	2	0	0	0	0	0	2	2	9	22	↓
NC	Camp Lejeune	N	91	344	0	5	0	1	0	0	49	168	140	371	38	↓
NC	Ft Bragg	J	3	11	0	2	0	0	4	6	2	11	9	1142	1	↑
NC	MCAS Cherry Point	N	16	41	0	0	0	0	0	0	7	39	23	73	32	↓
NC	Pope Army Airfield	J	0	0	0	0	0	0	5	6	0	0	5	146	3	↓
NC	Seymour Johnson AFB	J	5	6	1	9	2	3	1	1	6	12	15	30	50	↑
ND	Grand Forks AFB	F	0	0	0	0	0	0	0	0	1	8	1	3	33	↑
ND	Minot AFB	F	1	2	2	4	0	0	0	0	15	35	18	40	45	↑
NE	Offutt AFB	F	0	4	2	23	0	0	0	0	2	8	4	8	50	↔
NH	Portsmouth	N	4	9	0	0	0	0	0	0	6	11	10	33	30	↓
NJ	JB McGuire-Dix-Lakehurst	F	2	5	2	8	1	2	1	1	8	26	14	38	37	↓
NM	Cannon AFB	F	0	1	1	3	0	0	0	0	0	3	1	1	100	↓
NM	Holloman AFB	F	2	10	0	0	0	0	0	1	3	16	5	27	19	↓
NM	Kirtland AFB	F	3	11	1	6	0	2	0	0	1	13	5	22	23	↓
NM	White Sands Missile Range	A	6	10	0	0	0	0	0	0	0	4	6	22	27	↓
NV	Nellis AFB	F	38	165	6	39	0	5	0	0	6	197	50	142	35	↓
NY	Ft Drum	A	7	16	0	16	0	5	1	1	30	98	38	114	33	↑
NY	West Point	A	25	43	18	83	1	7	1	1	117	211	162	424	38	↓

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NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 07)

Laboratory-Confirmed Influenza (All Beneficiaries) by Installation Ohio 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	
OH	Wright-Patterson AFB	F	5	11	68	163	1	4	1	3	71	199	146	295	49	↑
OK	Altus AFB	F	5	6	0	9	0	0	0	0	11	28	16	54	30	↓
OK	Ft Sill	A	24	114	0	2	0	0	0	3	34	185	58	220	26	↓
OK	Tinker AFB	F	5	7	10	37	0	0	0	1	4	45	19	57	33	↓
OK	Vance AFB	F	3	7	1	7	0	0	0	1	0	6	4	14	29	↑
PA	Carlisle Barracks	A	5	10	0	0	0	0	0	0	9	29	14	41	34	↓
PR	Ft Buchanan	A	6	16	0	0	0	0	0	0	3	15	9	30	30	↑
PR	NS Roosevelt Roads	N	0	2	0	0	0	0	0	0	0	0	0	0	0	↔
RI	NHC New England	N	16	23	0	3	0	0	0	0	2	8	18	41	44	↓
SC	Ft Jackson	A	61	162	0	0	0	0	0	0	45	170	106	316	34	↓
SC	JB Charleston	J	18	55	0	5	0	0	2	2	9	53	29	124	23	↓
SC	MCAS Beaufort	N	3	12	0	4	0	1	0	0	1	13	4	27	15	↓
SC	Parris Island	N	16	36	0	1	0	0	0	1	7	57	23	91	25	↑
SC	Shaw AFB	F	14	20	7	27	0	3	0	1	10	44	31	78	40	↓
SD	Ellsworth AFB	F	5	7	4	13	0	0	0	0	9	34	18	57	32	↑
TN	Ft Campbell	A	24	70	0	2	0	1	0	0	15	71	39	132	30	↓
TN	NSA Mid-South	N	6	17	0	0	0	0	0	0	0	5	6	40	15	↑
TX	Dyess AFB	F	7	28	0	0	0	0	0	2	3	19	10	34	29	↓
TX	Ft Bliss	A	120	488	1	86	0	6	0	4	64	782	185	701	26	↔
TX	Ft Hood	A	264	629	10	22	0	0	1	4	17	1160	292	924	32	↓
TX	Goodfellow AFB	F	15	26	0	0	0	0	1	2	2	24	18	76	24	↑
TX	JB San Antonio	J	308	1150	13	175	2	8	2	19	112	952	437	1197	37	↓
TX	Laughlin AFB	F	4	9	0	2	0	0	3	3	6	14	13	31	42	↓
TX	NAS Corpus Christi	N	1	6	0	0	0	0	0	0	2	5	3	5	60	↑
TX	NAS JRB Fort Worth	N	0	0	0	0	0	0	0	0	0	1	0	0	0	↔
TX	NAS Kingsville	N	0	0	0	0	0	0	0	0	0	1	0	0	0	↔
TX	Sheppard AFB	F	12	25	5	20	0	0	0	1	5	32	22	65	34	↑
UT	Hill AFB	F	5	7	4	21	0	0	0	0	3	18	12	30	40	↓
VA	Ft Belvoir	J	197	451	0	0	0	0	0	5	78	501	275	740	37	↓
VA	Ft Lee	A	20	49	0	0	0	0	3	5	27	91	50	186	27	↓
VA	JB Langley-Eustis	J	46	92	6	22	1	3	0	1	31	123	84	226	37	↓
VA	JB Little Creek-Ft Story	J	1	2	1	1	0	0	0	0	0	0	2	7	29	↑
VA	JB Myer-Henderson Hall	A	10	21	0	0	0	0	1	1	1	20	12	29	41	↑
VA	MCB Quantico	N	34	59	0	0	0	0	1	1	16	81	51	143	36	↓
VA	NAS Oceana	N	4	7	0	0	0	0	0	0	1	11	5	15	33	↔
VA	NB Dam Neck	N	2	3	0	0	0	0	0	0	1	1	3	9	33	↑
VA	NS Norfolk	N	10	11	0	0	0	0	0	0	2	7	12	40	30	↓
VA	NWS Dahlgren	N	0	0	0	0	0	0	0	0	0	0	0	12	0	↔
VA	NWS Yorktown	N	2	3	0	0	0	0	0	0	0	3	2	8	25	↔
VA	Portsmouth	N	27	48	26	84	0	4	0	0	8	155	61	163	37	↑
VA	TPC Suffolk	N	0	0	0	0	0	0	0	0	0	2	0	7	0	↔
WY	FE Warren AFB	F	6	18	0	2	0	0	0	0	8	29	14	61	23	↑

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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.

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):
<https://hpws.afrl.af.mil/epi-consult/influenza/ActivityUpdates.cfm>