In NORTHCOM during week 44[1,2]

- Influenza activity overall is low and at or below baseline levels for service members

- Influenza A is predominate in the west with a mix of flu B and A circulating in the Mid-West and South Eastern parts of the country

- The percent of positive lab tests for service members was 3.04% and 2.62% for dependents
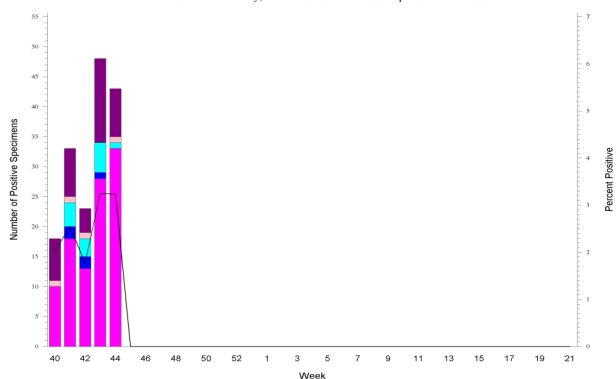
- There was 1 RME reported among an Air Force Guard member

NORTHCOM Service Member, Influenza Activity and Virus Subtype

Flu Activity
High
Moderate
Low
Minimal
— Region

Flu Subtype
A subtype na
A H1
A H3
A B
B
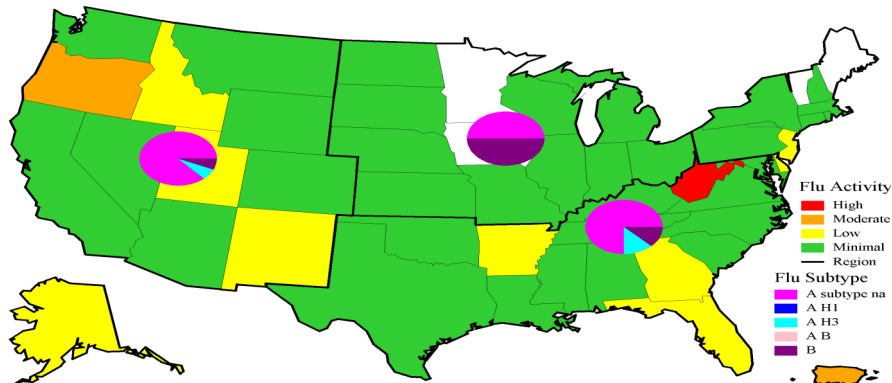
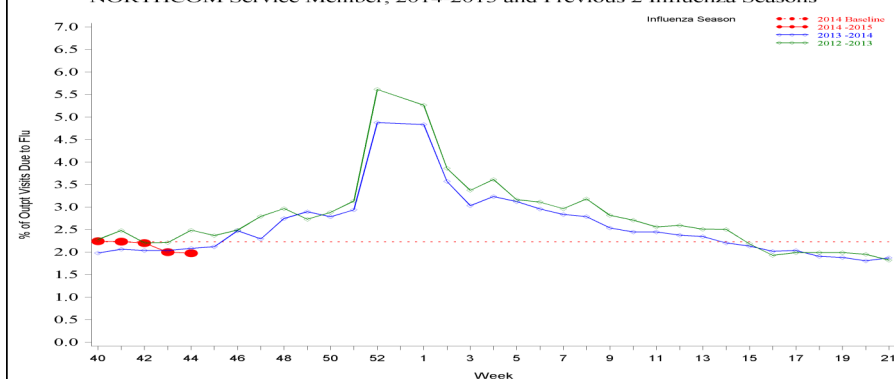NORTHCOM Service Member, Influenza Positive Tests Reported to AFHSC
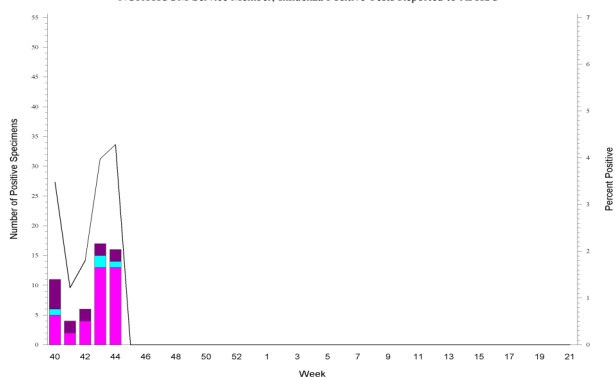
NORTHCOM Beneficiary, Influenza Positive Tests Reported to AFHSC

2014 – 2015 NORTHCOM Season Totals[1,2]

	A/H1N1	A/H3N2	A/Untyped	Flu B	AB	% Positive
Service Members	0	4	37	13	0	3.04
Dependents	5	13	102	41	0	2.62

NORTHCOM Service Member, 2014-2015 and Previous 2 Influenza Seasons

Immunization Coverage (As of 05 Nov 14)

Active Component Only	All Services	Army	Marines	Navy	Coast Guard	Air Force
Seasonal flu Vaccine	71%	75%	51%	61%	85%	83%

Sources: Immunization Healthcare Branch (DHA), ARMY-MEDPROS, MARINES-MRRS, NAVY-MRRS, COAST GUARD-MRRS, AIR FORCE-AFCITA

Recruit Surveillance[3]

Respiratory illness rates at all basic training centers are at or below expected values

	Week 44[3]				2013 – 2014 Recruit Season Totals[3]			
	A/H1N1	A/H3N2	A/Untyped	Flu B	A/H1N1	A/H3N2	A/Not Subtyped	Flu B
Ft Benning								
Ft Jackson								
Ft Leonard Wood								
NRTC Great Lakes								
Lackland AFB								
MCRD Parris Island								1
MCRD San Diego								
CGTC Cape May								
Total	0	0	0	0	0	0	0	1

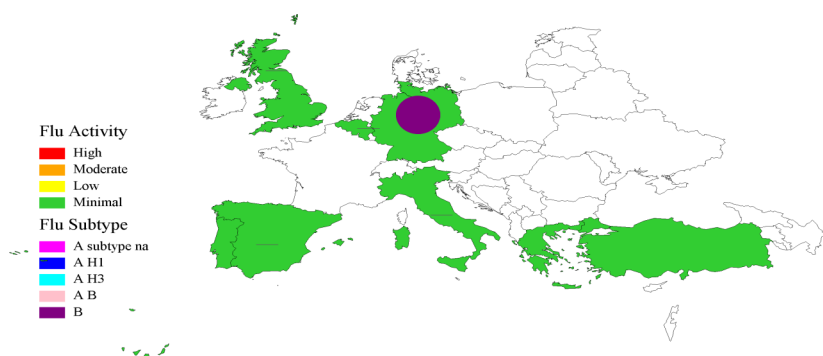[1]AFHSC, [2]USAFSAM, [3]NHRC, [4]LRMC, [5]PHCR-E, [6]AFRIMS, [7]NMRC-A, [8]USAMRU-K, [9]NAMRU-3, [10]NAMRU-6

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European Command -- Week 44

In EUCOM during week 44[1,4,5]

- ♦ Among service members, influenza activity is minimal and below baseline

- ♦ Total for this season, there were 2 cases of influenza A/unsubtyped among dependents, 3 cases of flu B reported in service members and 1 flu AB co-infection in a dependent

- ♦ The percent of positive lab tests for service members and dependents is very low, .96 % and .85%, respectively
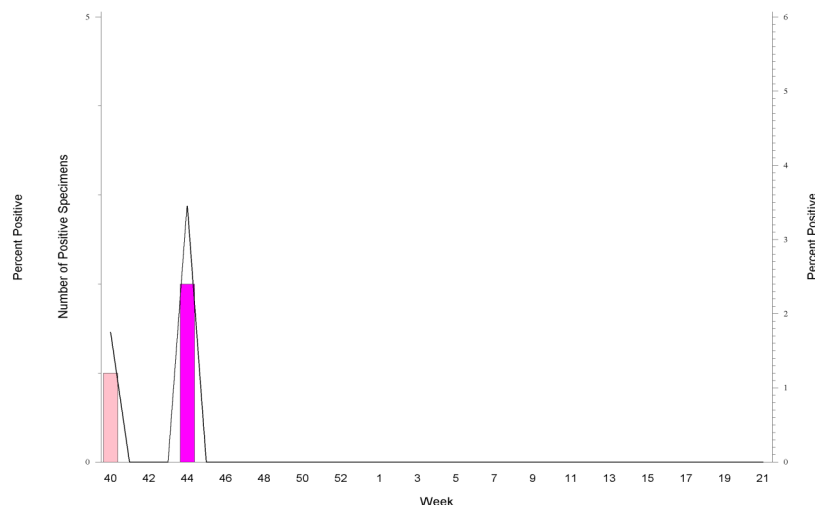
EUCOM Service Member, Influenza Activity and Virus Subtype

Flu Activity
- High
- Moderate
- Low
- Minimal

Flu Subtype
- A subtype na
- A H1
- A H3
- A B
- B

EUCOM Service Member, Influenza Positive Tests Reported to AFHSC

EUCOM Beneficiary, Influenza Positive Tests Reported to AFHSC
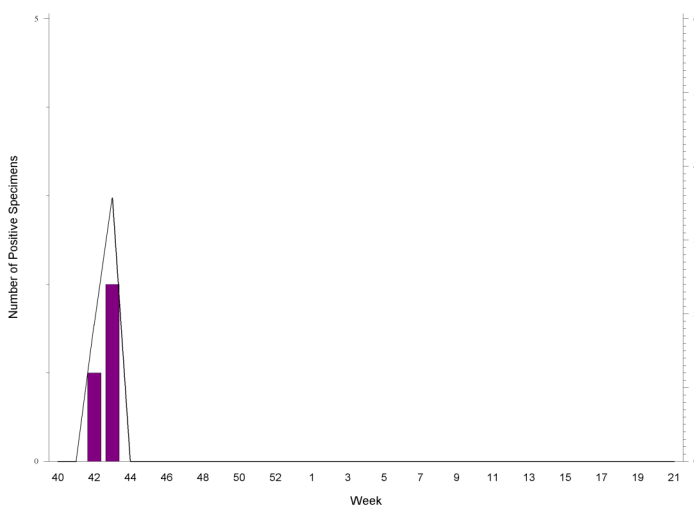
EUCOM Service Member, 2014-2015 and Previous 2 Influenza Seasons

Influenza Season
- 2014 Baseline
- 2014 -2015
- 2013 -2014
- 2012 -2013
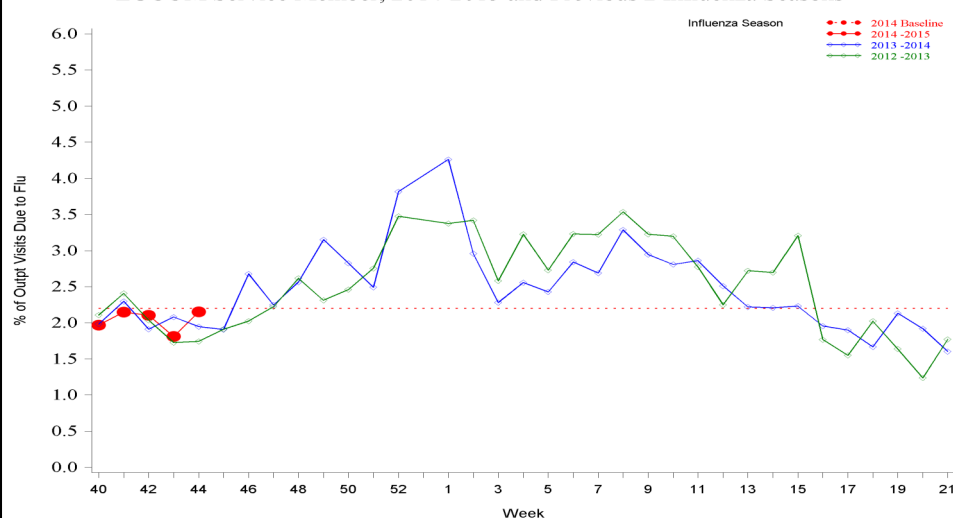
2014-2015 EUCOM Season Totals[1,4,5]						
	A/H1N1	A/H3N2	A/Untyped	Flu B	AB	% Positive
Service Members	0	0	0	3	0	.96
Dependents	0	0	2	0	1	.85

[1]AFHSC, [2]USAFSAM, [3]NHRC, [4]LRMC, [5]PHCR-E, [6]AFRIMS, [7]NMRC-A, [8]USAMRU-K, [9]NAMRU-3, [10]NAMRU-6

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Pacific Command -- Week 44

In PACOM during week 44[1,6,7]

- Influenza activity is minimal and below baseline in service members

- The majority of cases have been influenza A/ unsubtyped and flu B in service members and dependents

- The percent positive for service members and dependents is 11.29 and 12.45 respectively

PACOM Service Member, Influenza Activity and Virus Subtype
South Korea and Japan

Flu Activity
- High
- Moderate
- Low
- Minimal

Flu Subtype
- A subtype na
- A H1
- A H3
- A B
- B

PACOM: GUAM and HI Influenza activity and HL7 Test Positive (MAP: SM+BN, 2 wks)						
Area Name	Influenza Activity	HL7 Type				
		A(H1)	A(H3)	A Untyped	B	AB
GUAM	1:Minimal	0	0	3	2	0
HI	1:Minimal	0	0	4	2	0

PACOM Service Member, Influenza Positive Tests Reported to AFHSC
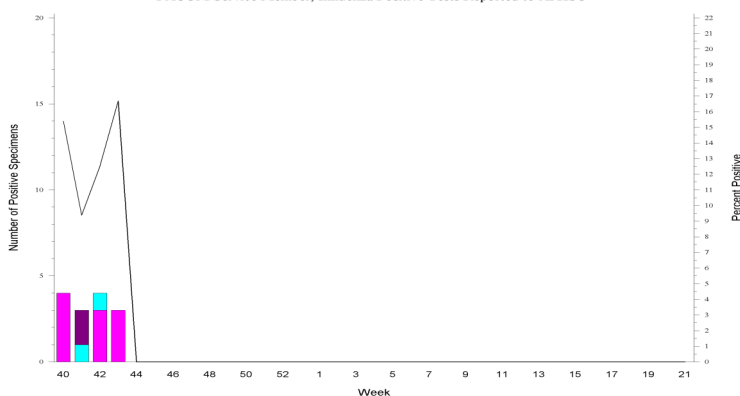
PACOM Beneficiary, Influenza Positive Tests Reported to AFHSC

PACOM Service Member, 2014-2015 and Previous 2 Influenza Seasons
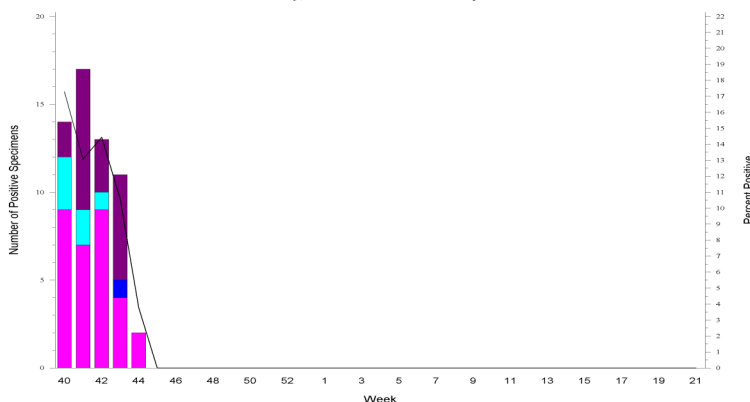
Influenza Season
- 2014 Baseline
- 2014 -2015
- 2013 -2014
- 2012 -2013
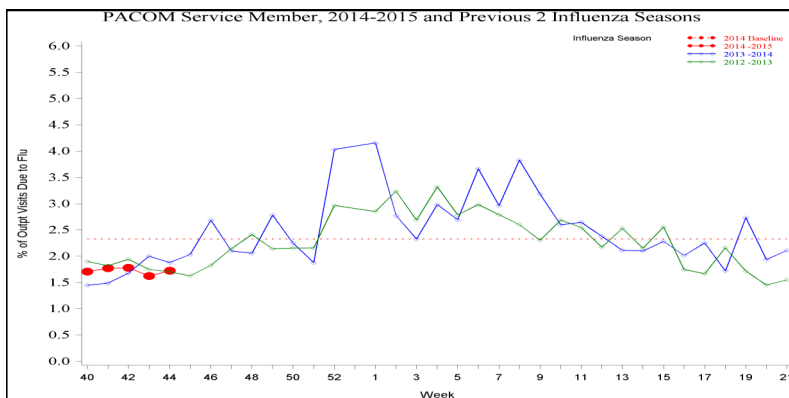
2014-2015 PACOM Season Totals[1,6,7]						
	A/H1N1	A/H3N2	A/Untyped	Flu B	AB	% Positive
Service Members	0	2	10	2	0	11.29
Dependents	1	6	31	19	0	12.45

[1]AFHSC, [2]USAFSAM, [3]NHRC, [4]LRMC, [5]PHCR-E, [6]AFRIMS, [7]NMRC-A, [8]USAMRU-K, [9]NAMRU-3, [10]NAMRU-6

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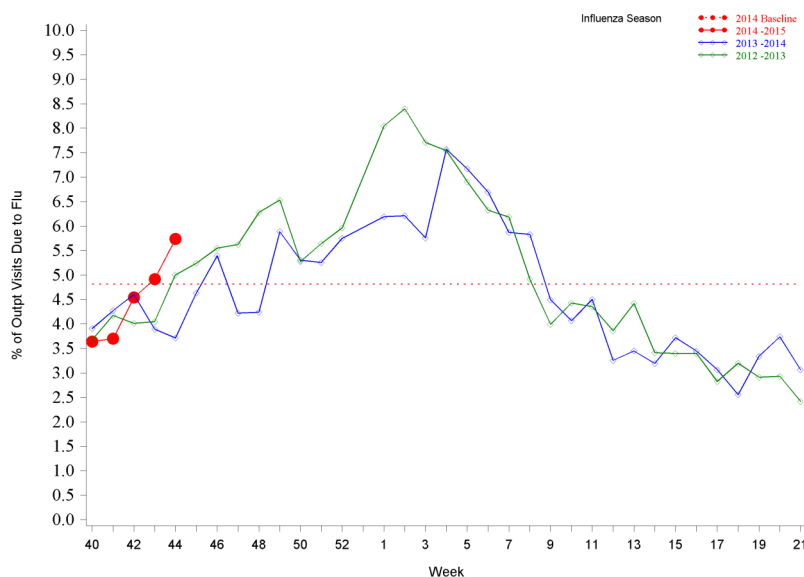
Central and Africa Commands -- Week 44

In CENTCOM and AFRICOM during week 44[1,8,9]

♦ Influenza activity is minimal, but slightly above baseline in week 44 for service members

CENTCOM, Influenza Activity

Flu Activity
- High
- Moderate
- Low
- Minimal

CENTCOM Service Member, 2014-2015 and Previous 2 Influenza Seasons
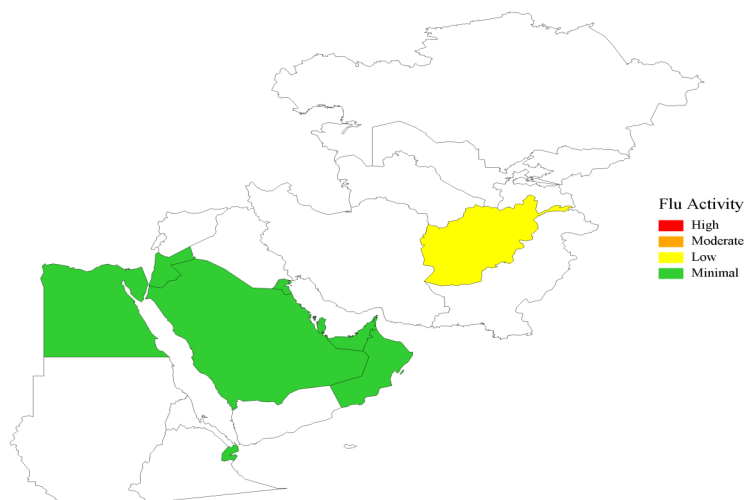
Influenza Season
- 2014 Baseline
- 2014 -2015
- 2013 -2014
- 2012 -2013

Southern Command -- Week 44
(Local Nationals Only)

In SOUTHCOM during week 44[10]

♦ Among local nationals in SOUTHCOM, influenza activity remains low

♦ In Peru, mostly A/H3N2 is circulating

2014-2015 SOUTHCOM Season Totals Among Local Nationals[10]				
	A/H1N1	A/H3N2	A/Untyped	Flu B
Colombia	0	0	0	0
Peru	0	3	0	5

[1]AFHSC, [2]USAFSAM, [3]NHRC, [4]LRMC, [5]PHCR-E, [6]AFRIMS, [7]NMRC-A, [8]USAMRU-K, [9]NAMRU-3, [10]NAMRU-6

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Description:

Maps, figures and tables are stratified by Combatant Commands (CCMD). The map provides a measure of influenza activity by state or country within each CCMD for the past two weeks for service members. Influenza activity is defined by the percentage of outpatient visits associated with influenza for that week compared to baseline levels of influenza activity. Additionally, a pie graph by US region or country is generated to display the distribution of influenza types and subtype identified from positive laboratory tests for the past two weeks combined.

Influenza activity: Percentage of Outpatient Visits Associated with Influenza:

The percentage of all outpatient visits for influenza (defined as having an Influenza-like Illness (ILI) or Pneumonia and Influenza (P&I) diagnosis) is calculated each week for (1) all service members, regardless of component and (2) all other DoD beneficiaries. This data is presented as a map of the past two week's activity and a figure to display the entire season's data compared to the two prior seasons and baseline. For the map, the activity level compares the mean reported percent of visits due to influenza for the past two weeks to the mean reported percent of visits due to influenza during baseline weeks. Baseline weeks are defined as non-influenza weeks (weeks 22-39) over the past 3 years.

There are four activity levels reported on each map. The activity level corresponds to the number of standard deviations (SD) below, at or above the mean for the current week compared to the mean of the baseline weeks. Activity levels are classified as minimal, low, moderate, and high. 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 Positive Tests:

Only lab results from PCR or viral culture assays are reported. Influenza types/subtypes are categorized as influenza A not subtyped (A subtype na), influenza A H1 (A H1), influenza A H3 (A H3), influenza A and B co-infection (A B), and influenza B (B).

Map: Each US region or country with available data contains a pie chart that displays the distribution of influenza types and subtypes for that area for the past two weeks combined. Two weeks of data are combined instead of using just the current week's data due to a delay in reporting of laboratory results.

Figure and Table: Each week the total number of influenza laboratory tests performed and the proportion and serotype of influenza positive tests is calculated for all DoD beneficiaries (service members and dependents combined).

Data Sources and Case Definitions:

Medical encounter and demographic data from the Armed Forces Health Surveillance Center's (AFHSC) Defense Medical Surveillance System (DMSS) are used to generate this report. In addition, health-level 7 (HL-7) laboratory data is provided by the Navy and Marine Corps Public Health Center (NMCPHC) EpiData Center Division. ICD-9 codes from outpatient encounters are used to identify influenza activity. The outcome of influenza is defined using the combined codes for ILI (79.99, 382.9, 460, 461.9, 465.8, 465.9, 466.0, 486, 487.0, 487.1, 487.8, 488, 490, 780.6, or 786.2) and P&I (480-488). An individual can only be counted as a case once per week.

NORTHCOM Regions:

The regions on the NORTHCOM map (bold, black outlines) are defined using the ten US Department of Health and Human Services regions, with the exception of Hawaii and Guam which are a part of PACOM. *Region 1:* Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. *Region 2:* New Jersey, New York, Puerto Rico, and the U.S. Virgin Islands. *Region 3:* Delaware, the District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia. *Region 4:* Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee. *Region 5:* Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin. *Region 6:* Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. *Region 7:* Iowa, Kansas, Missouri, and Nebraska. *Region 8:* Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming. *Region 9:* Arizona, California, Nevada. *Region 10:* Alaska, Idaho, Oregon, and Washington.

(All data are preliminary and subject to change as updated data is received)