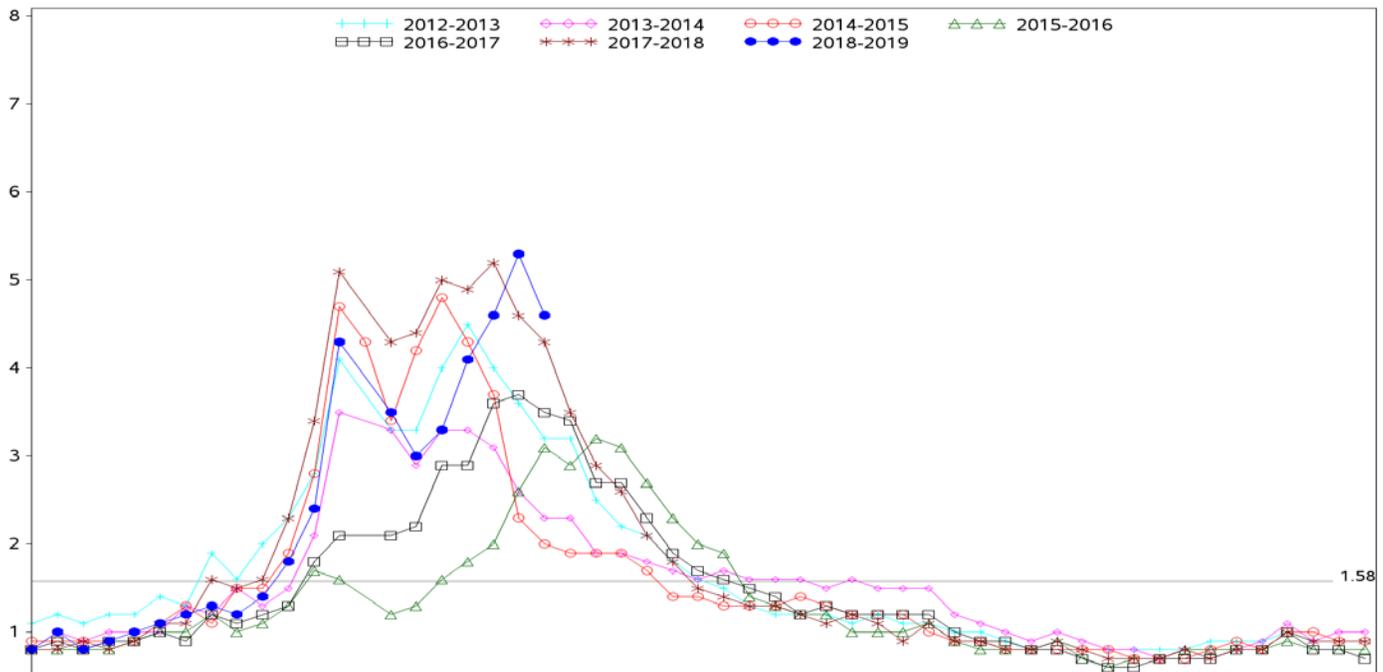




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
**IHS Influenza Awareness System (IIAS)**  
**(Week 07: 02/10/2019 – 02/16/2019)**

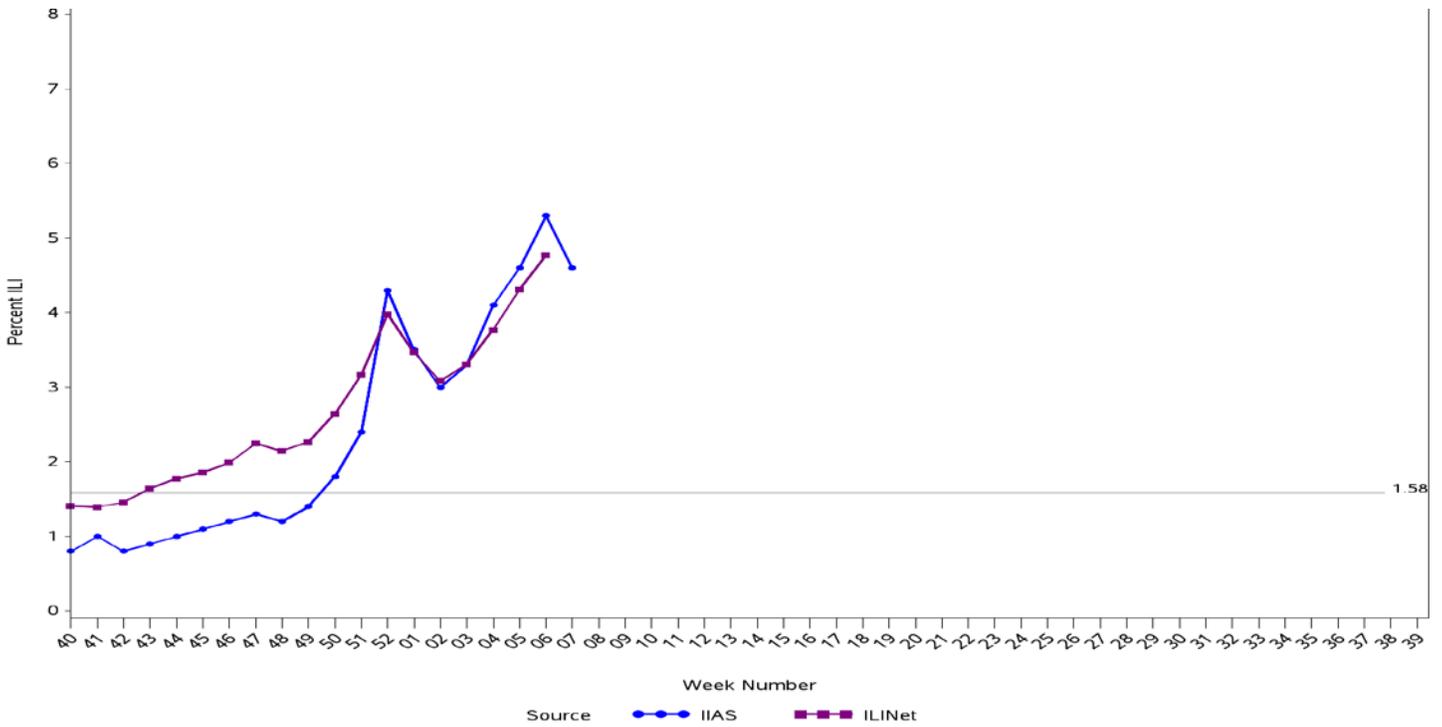
- Influenza-like-illness (ILI) activity in IHS is high at 4.6%, above the IHS baseline of 1.58%
  - Eleven IHS Areas reported having elevated ILI activity
- National ILI activity reported by CDC is high
  - CDC's ILINet ILI activity for week 6 was 4.8% and is above the ILINet baseline (2.2%) and the IHS baseline (1.58%).
- To date, IHS has administered 299,000 doses of influenza vaccine.
- Overall, 35.2% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas  
 Influenza-Like Illness (ILI) for Current Surveillance Year and Previous Six Surveillance Years  
 Percentage of Visits for ILI per week  
 09/30/2012 to 02/16/2019



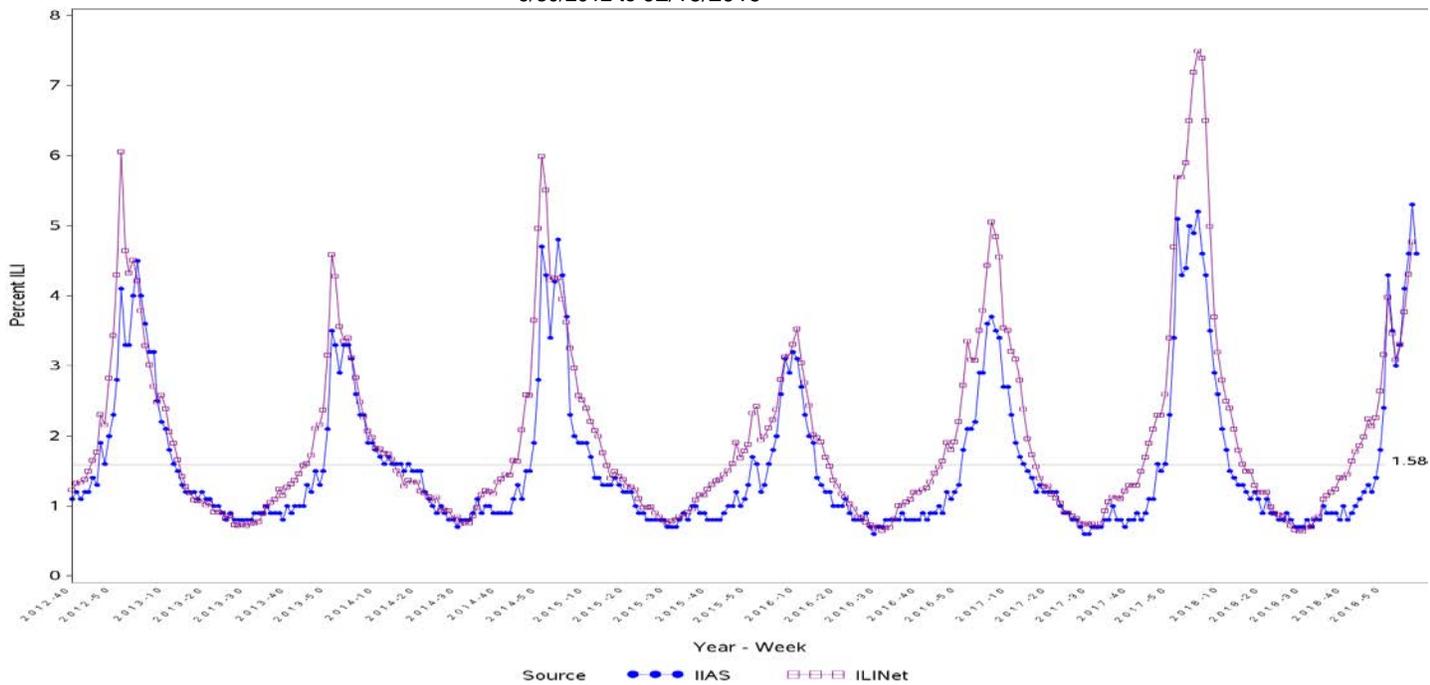
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.  
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2018 - 2019  
 IIAS vs. ILINet  
 09/30/2018 to 02/16/2019



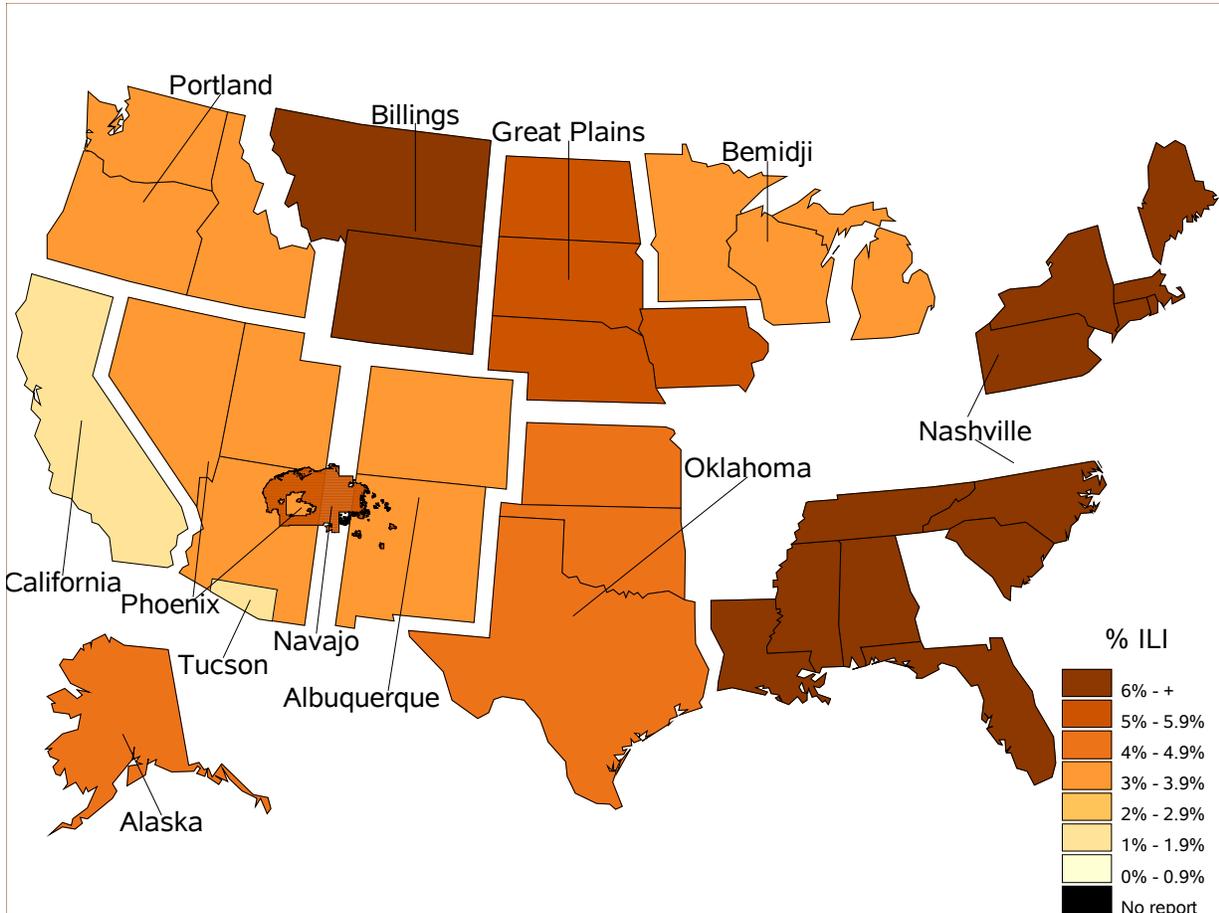
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.  
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Influenza-Like Illness (ILI) for Current Surveillance Year and Previous Six Years – Continuous  
 Percentage of Visits for ILI per week  
 IIAS vs. ILINet  
 9/30/2012 to 02/16/2019



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.  
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by Region  
For Week: 07



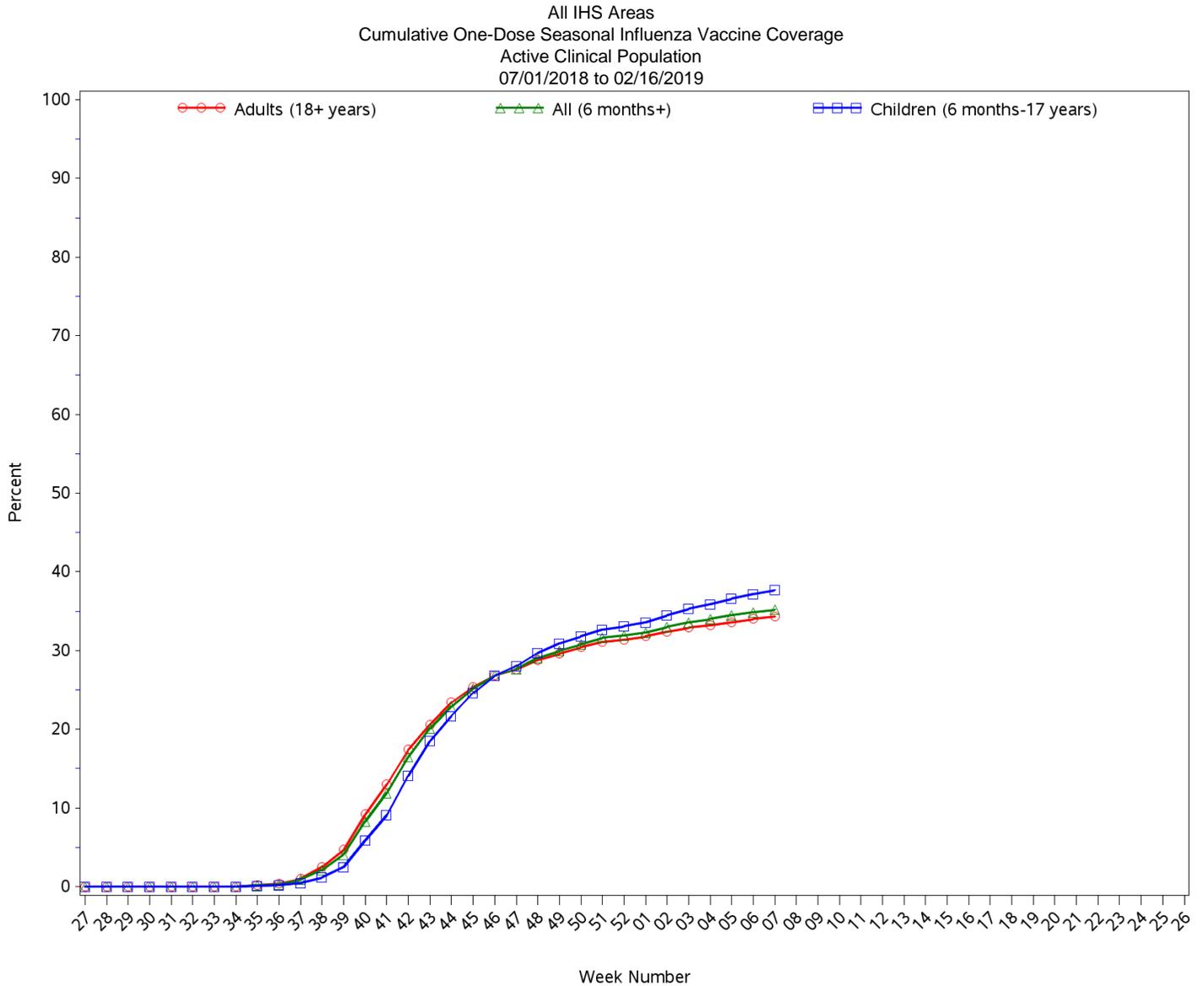
% Visits for ILI Compared to Previous Week

IHS Areas	Previous Week (6)	Current Week (7)
NATIONAL	5.3	4.6
ALASKA	7.2	4.7
ALBUQUERQUE	3.9	3.9
BEMIDJI	4.4	3.5
BILLINGS	5.1	6.4
CALIFORNIA	1.7	1.2
GREAT PLAINS	7.0	5.1
NASHVILLE	8.0	7.9
NAVAJO	7.0	5.6
OKLAHOMA	4.4	4.1
PHOENIX	4.0	3.3
PORTLAND	4.0	3.3
TUCSON	2.1	1.6

Percentage of ILI visits is number of ILI visits divided by total number of daily visits.

# IHS Influenza Vaccination Surveillance

As of 02/16/2019, sites reporting to the IAS have administered 299,446 doses (1st and 2nd) of seasonal influenza vaccine to Active Clinical patients.



## Influenza Vaccination Coverage by Age Group\*

Age Group	Active Clinical Population **	Seasonal Flu Vaccine (At Least 1 Dose) ***	% Seasonal Flu (At Least 1 Dose)	Seasonal Flu Vaccine (At Least 2 Doses)	% Seasonal Flu (At Least 2 Doses)	Total # Doses Administered ****
0 - 5 months	3,590	27	0.8	4	0.1	31
6 - 23 months	16,798	9,993	59.5	2,767	16.5	12,798
2 - 4 years	43,033	14,374	33.4	476	1.1	14,889
5 - 17 years	171,410	62,793	36.6	366	0.2	63,364
18 - 49 years	353,092	95,698	27.1	467	0.1	96,524
50 - 64 years	151,556	63,133	41.7	366	0.2	63,778
65 + years	94,399	46,359	49.1	344	0.4	47,031
Children (6 months-17 years)	231,241	87,160	37.7	3,609	1.6	91,051
Adults (18+ years)	599,047	205,190	34.3	1,177	0.2	207,333
All (6 months+)	830,288	292,350	35.2	4,786	0.6	298,384

\* Limited to sites that exported both doses administered along with accompanying Active Clinical population data.

\*\* Active Clinical is defined as patients who have had at least 2 visits in the last 3 years.

\*\*\* Number of unique patients with at least 1 dose.

\*\*\*\* Total # Doses Administered = All doses administered to patients including doses not included in coverage calculation due to lack of Active Clinical Population data.

## Influenza Vaccine Doses Administered by Influenza Vaccine Type\*

Area	INACTIVE CVX CODES*	CVX 88 FLU- NOS**	CVX 135 FLU- HIGH	CVX 140 FLU- IIV3pf	CVX 141 FLU- IIV3	CVX 149 FLU- LAIV4	CVX 150 FLU- IIV4pf	CVX 158 FLU- IIV4	CVX 161 IIV4pf ped	CVX 168 FLU- IIV3ad	CVX 171 FLU- ccl4pf	CVX 185 FLU- RIV4	CVX 186 FLU- ccl4	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	0	48	353	1	29	0	2,620	422	193	1	55	10	0	0	0	14	3,746
ALB	49	287	142	43	1,599	1	10,857	7,411	669	2,102	179	37	16	0	0	108	23,500
BEM	6	53	127	11	212	39	4,427	3,105	214	336	2	68	0	0	0	40	8,640
BIL	6	156	1,283	1	245	774	11,850	3,306	273	1	5	7	4	0	0	46	17,957
CAO	48	1,248	1,472	3	602	0	3,936	1,724	362	103	490	1	102	0	0	195	10,286
GPA	20	345	1,064	6	765	0	15,595	12,063	542	591	404	89	15	0	0	140	31,639
NSA	51	201	248	5	338	13	5,469	5,442	498	505	23	30	73	0	0	266	13,162
NAV	37	405	2,615	24	702	2	48,843	20,421	2,134	3	317	44	16	0	0	134	75,697
OKC	120	3,126	1,121	10	2,245	37	30,787	10,198	1,359	2,334	68	41	5	0	0	205	51,656
PHX	18	1,691	827	41	467	0	21,007	11,121	734	1,905	12	191	3	0	0	83	38,100
POR	39	250	610	66	237	160	9,273	4,736	453	494	182	416	273	0	0	66	17,255
TUC	3	54	34	4	1	0	7,545	108	12	0	0	4	0	0	0	43	7,808
	<b>397</b>	<b>7,864</b>	<b>9,896</b>	<b>215</b>	<b>7,442</b>	<b>1,026</b>	<b>172,209</b>	<b>80,057</b>	<b>7,443</b>	<b>8,375</b>	<b>1,737</b>	<b>938</b>	<b>507</b>	<b>0</b>	<b>0</b>	<b>1,340</b>	<b>299,446</b>

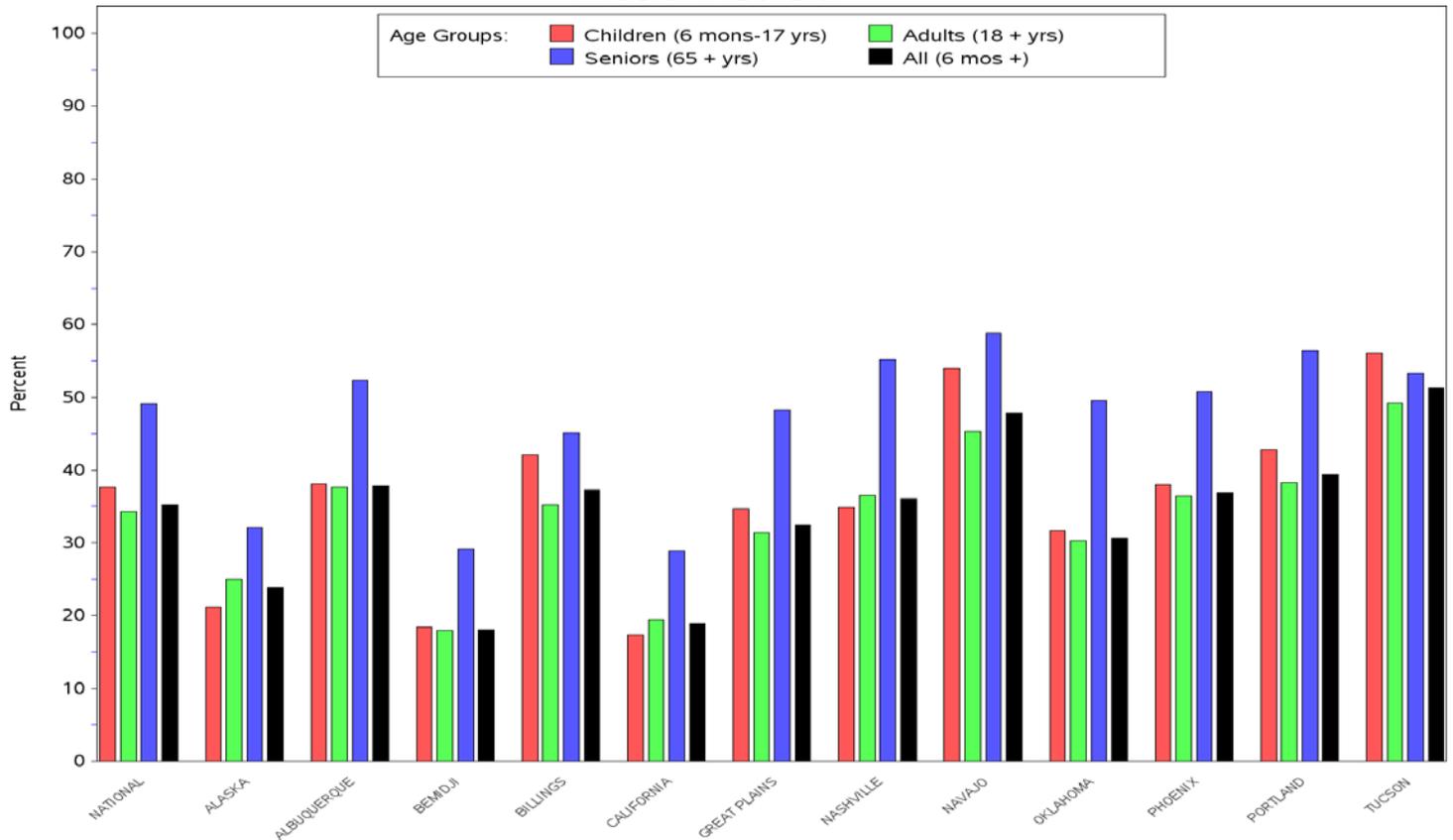
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

\*\* CVX Code 88 (FLU-NOS) should only be used to document flu vaccines given elsewhere when flu vaccine type is unknown.

+ CPT Flu codes include: 90654-90662, 90672-90673, 90685-90686, 90724, G0008, G8108.

^ ICD9 codes V04.8 and V06.6 are not displayed on this report and are not used in any of the influenza vaccine coverage calculations.

All IHS Areas  
 Influenza Vaccine Coverage by Age Groups (Children, Adults, Seniors and All)  
 % Seasonal Flu (At least 1 dose) for Active Clinical Population  
 07/01/2018 to 02/16/2019



All IHS Areas  
 Influenza Vaccine Coverage by Age Groups (Children, Adults, Seniors and All)  
 % Seasonal Flu (At least 1 dose) for Active Clinical Population  
 07/01/2018 to 02/16/2019

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mons+)
NATIONAL	37.7	34.3	49.1	35.2
ALASKA	21.2	25.0	32.2	23.9
ALBUQUERQUE	38.1	37.7	52.4	37.8
BEMIDJI	18.5	18.0	29.2	18.1
BILLINGS	42.1	35.2	45.1	37.3
CALIFORNIA	17.3	19.5	28.9	18.9
GREAT PLAINS	34.7	31.4	48.3	32.4
NASHVILLE	34.9	36.5	55.2	36.1
NAVAJO	54.0	45.3	58.8	47.8
OKLAHOMA	31.7	30.3	49.6	30.7
PHOENIX	38.0	36.4	50.8	36.9
PORTLAND	42.8	38.3	56.4	39.4
TUCSON	56.1	49.2	53.3	51.3

## Number of RPMS Databases Reporting for Week 07, 2019

<b>IHS Area</b>	<b># of RPMS Databases Reporting*</b>	<b># of Facilities Reporting**</b>
NATIONAL	132	228
ALASKA	4	23
ALBUQUERQUE	10	17
BEMIDJI	4	6
BILLINGS	12	20
CALIFORNIA	15	23
GREAT PLAINS	16	32
NASHVILLE	19	23
NAVAJO	7	19
OKLAHOMA	17	24
PHOENIX	12	20
PORTLAND	15	17
TUCSON	1	4

\* Exporting databases may include data from multiple facilities.

\*\* Includes only facility categories: Hospital, Health Center, Health Station, Health Location, and Alaska Village Clinic.