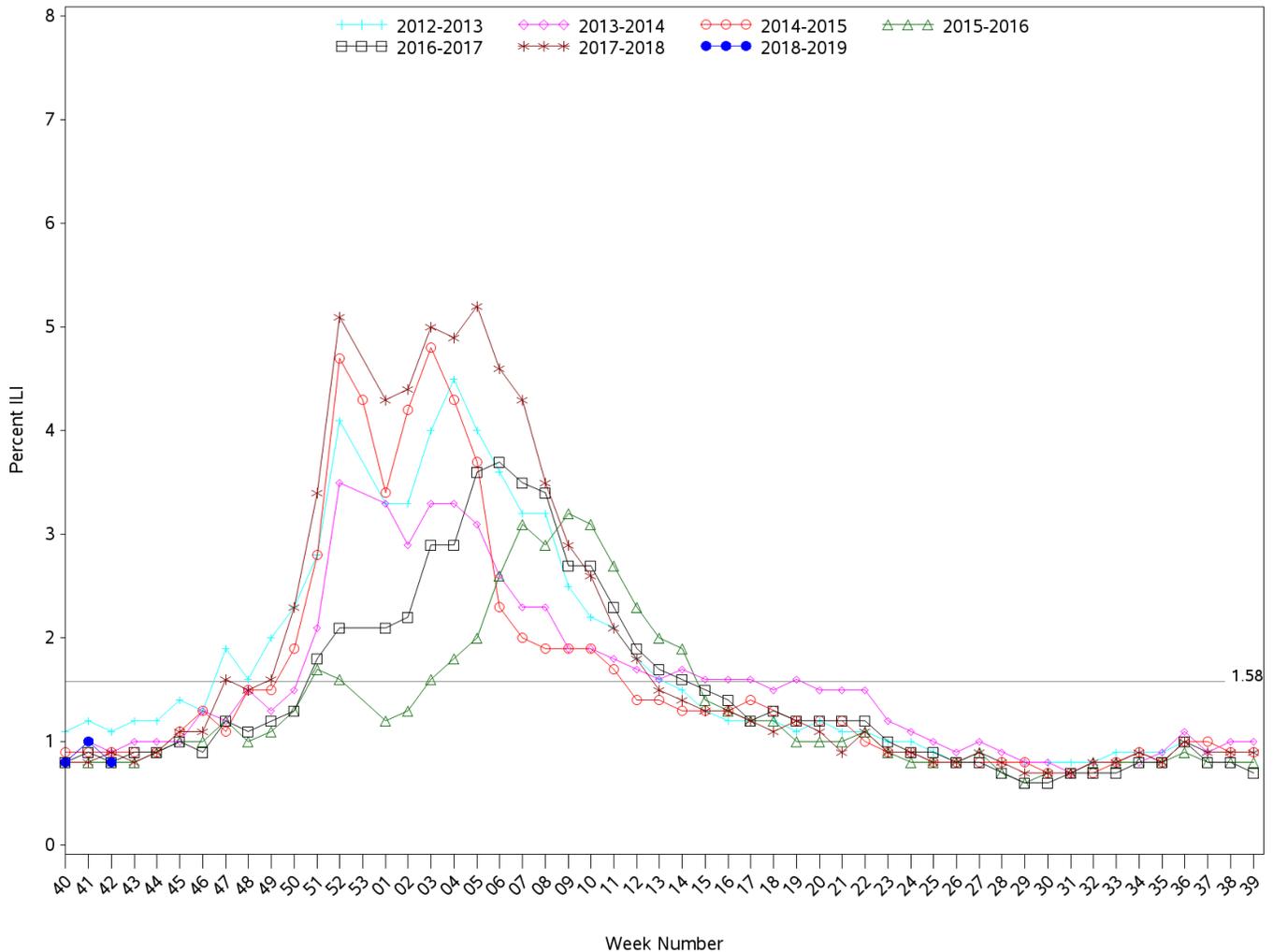




**Indian Health Service**  
 Division of Epidemiology and Disease Prevention  
**Influenza Surveillance Report**  
**IHS Influenza Awareness System (IIAS)**  
**(Week 42: 10/14/2018 – 10/20/2018)**

- Influenza-like-illness (ILI) activity in IHS is low and is at 0.8%, below the IHS baseline of 1.58%
  - No IHS regions report having elevated ILI activity
- National ILI activity reported by CDC is low
  - CDC's ILINet ILI activity is 1.5% and is below the ILINet baseline (2.2%) and the IHS baseline (1.58%).
- To date, IHS has administered over 128,000 doses of influenza vaccine.
- Overall, 15.5% of the IHS Active Clinical population received an influenza vaccine this season.

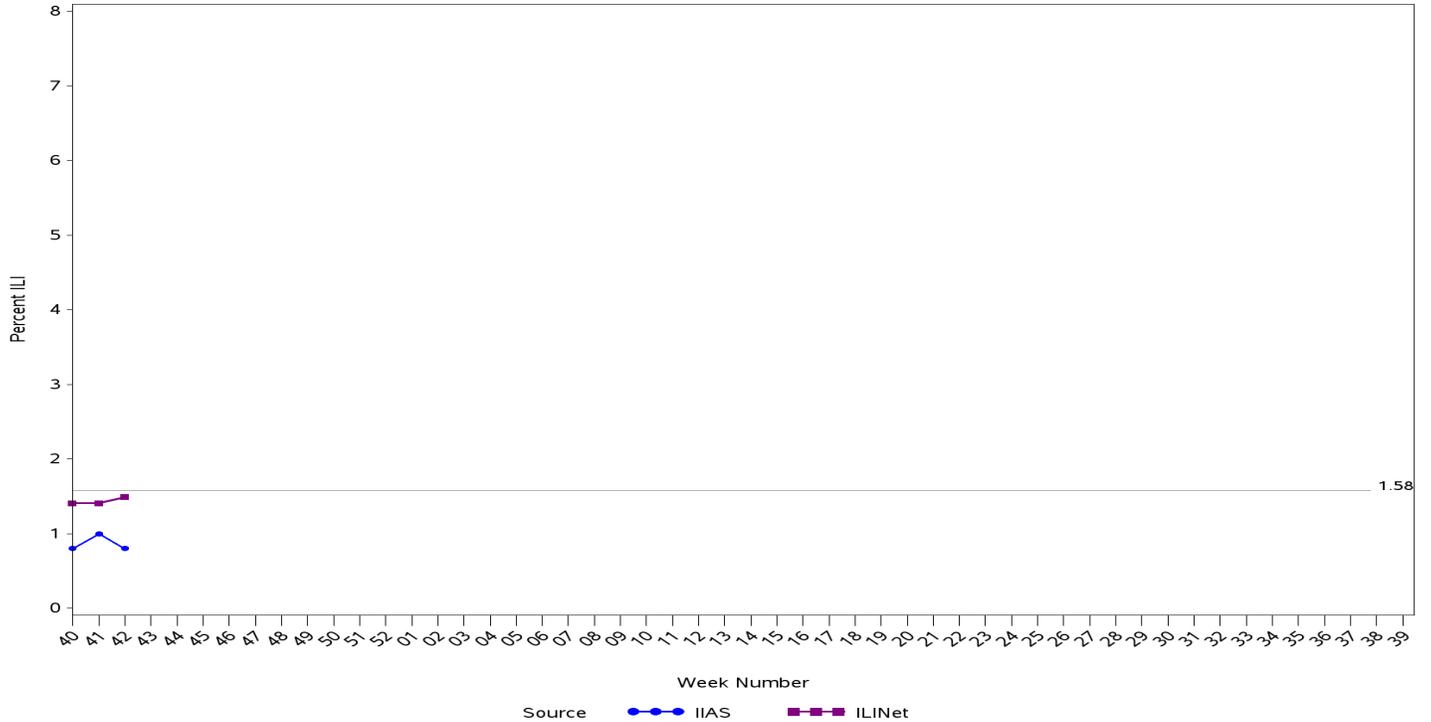
All IHS Areas  
 Influenza-Like Illness (ILI) for Current Surveillance Year and Previous Six Surveillance Years  
 Percentage of Visits for ILI per week  
 9/30/12 to 10/20/18



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

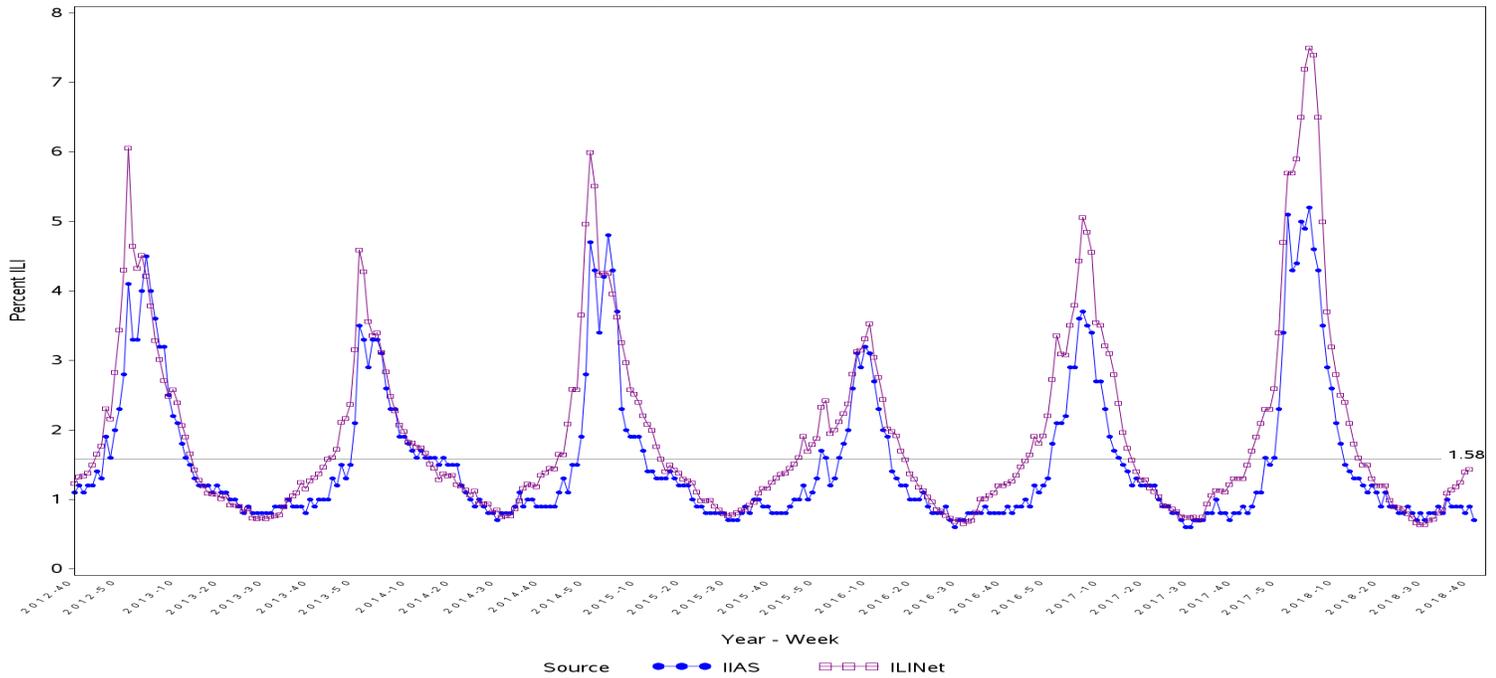
The horizontal line represents the 2018-2019 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)  
 Percent ILI for Flu Year 2018 - 2019  
 IAS vs. ILINet  
 9/30/18 to 10/20/2018



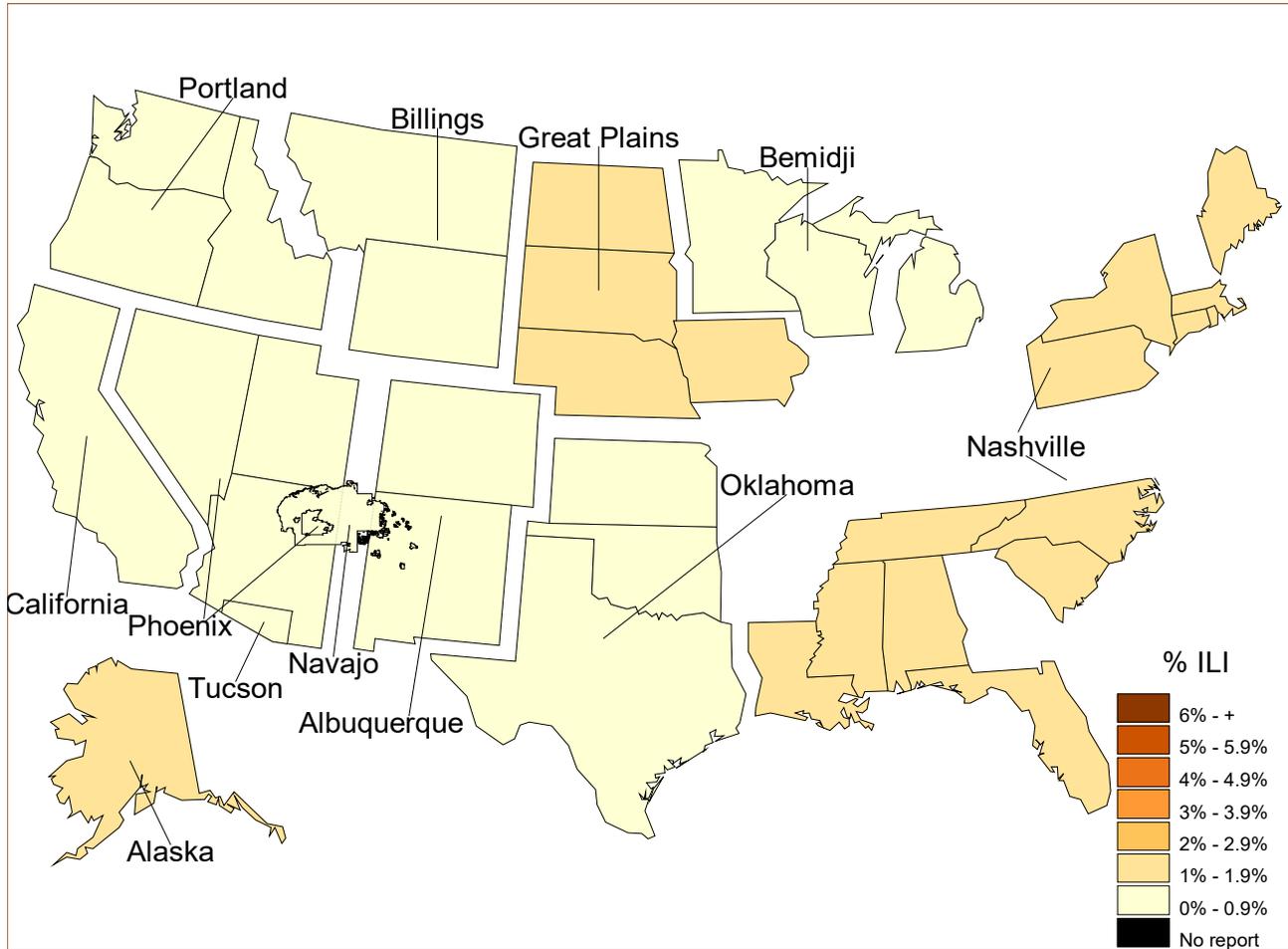
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2018-2019 IAS baseline. The ILINet baseline value for 2018-2019 is 2.2.  
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the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

Influenza-Like Illness (ILI) for Current Surveillance Year and Previous Six Years - Continuous  
 Percentage of Visits for ILI per week  
 IAS vs. ILINet  
 9/30/12 to 10/20/18



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.  
 The horizontal line is the 2018-2019 IAS 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, IAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by Region  
For Week: 42



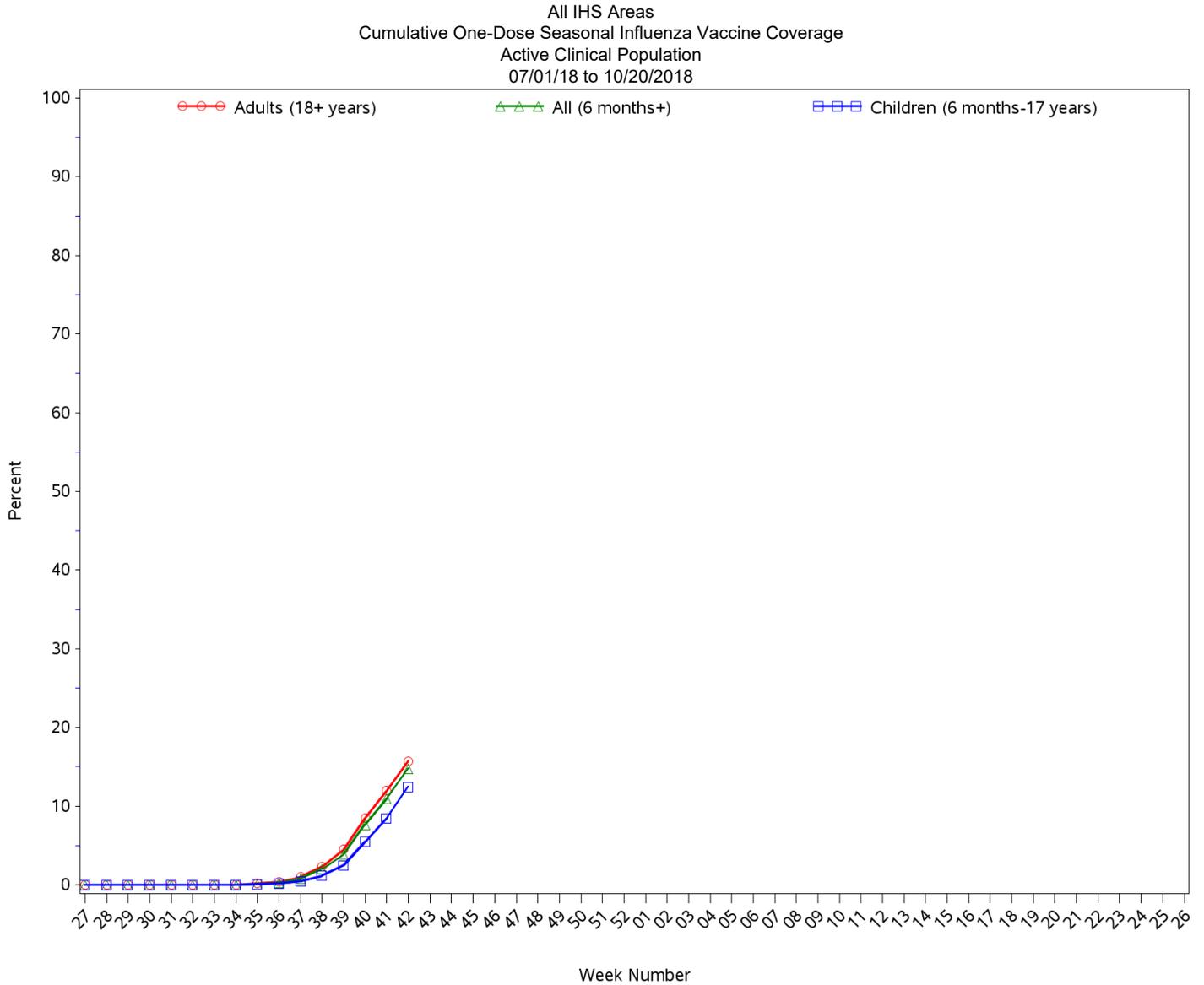
% Visits for ILI Compared to Previous Week

IHS Areas	Previous Week (41)	Current Week (42)
NATIONAL	1.0	0.8
ALASKA	1.2	1.2
ALBUQUERQUE	0.5	0.6
BEMIDJI	0.9	0.4
BILLINGS	1.1	0.9
CALIFORNIA	0.4	0.2
GREAT PLAINS	1.4	1.3
NASHVILLE	1.5	1.3
NAVAJO	0.9	0.6
OKLAHOMA	0.9	0.6
PHOENIX	1.1	0.8
PORTLAND	0.1	0.5
TUCSON	1.1	0.8

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

# IHS Influenza Vaccination Surveillance

- As of 10/20/2018, sites reporting to the IIAS have administered 128,365 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	3,370	5	0.1	4	0.1	9
6 - 23 months	16,932	2,798	16.5	39	0.2	2,842
2 - 4 years	43,090	5,031	11.7	21	0.0	5,063
5 - 17 years	169,502	22,696	13.4	58	0.0	22,823
18 - 49 years	349,367	42,209	12.1	123	0.0	42,464
50 - 64 years	149,403	30,567	20.5	105	0.1	30,774
65 + years	91,946	24,125	26.2	124	0.1	24,399
Children (6 months-17 years)	229,524	30,525	13.3	118	0.1	30,728
Adults (18 + years)	590,716	96,901	16.4	352	0.1	97,637
All (6 months +)	820,240	127,426	15.5	470	0.1	128,365

\* 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	10	210	1	11	0	1,396	322	60	0	7	0	0	0	0	3	2,020
ALB	6	85	73	2	348	0	4,261	3,615	138	1,164	3	2	4	0	0	27	9,728
BEM	4	19	80	5	56	13	2,342	1,634	49	241	1	10	1	0	0	26	4,481
BIL	0	46	799	1	65	108	4,915	1,100	34	0	1	1	0	0	0	13	7,083
CAO	4	548	604	1	207	0	1,830	427	40	78	129	0	27	0	0	93	3,988
GPA	3	74	664	1	316	0	7,227	6,153	84	294	234	32	2	0	0	49	15,133
NSA	14	96	171	0	154	0	1,914	2,764	174	262	2	3	28	0	0	123	5,705
NAV	6	73	1,333	4	142	0	20,541	10,780	611	1	95	10	14	0	0	66	33,676
OKC	42	641	575	7	540	9	12,919	4,397	521	1,343	19	23	2	0	0	83	21,121
PHX	5	969	502	39	172	0	7,256	5,110	138	940	1	71	2	0	0	42	15,247
POR	14	78	321	26	103	35	4,522	1,962	108	267	67	310	76	0	0	38	7,927
TUC	1	18	9	0	0	0	2,553	58	1	0	0	1	0	0	0	20	2,661
	<b>99</b>	<b>2,657</b>	<b>5,341</b>	<b>87</b>	<b>2,114</b>	<b>165</b>	<b>71,676</b>	<b>38,322</b>	<b>1,958</b>	<b>4,590</b>	<b>559</b>	<b>463</b>	<b>156</b>	<b>0</b>	<b>0</b>	<b>583</b>	<b>128,770</b>

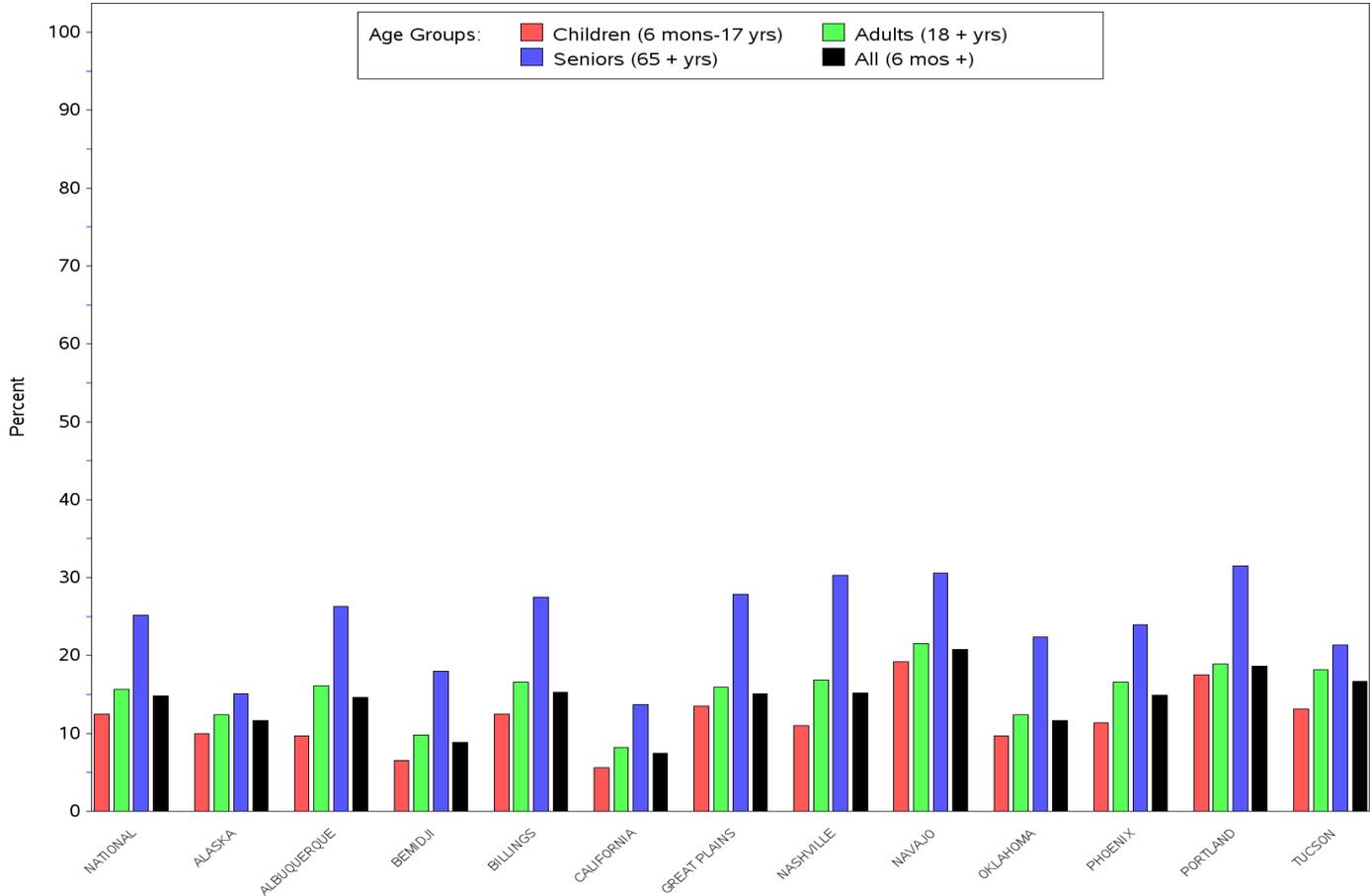
\* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

\*\* 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  
 07/01/18 to 10/20/2018



All IHS Areas  
 Influenza Vaccine Coverage by Age Groups (Children, Adults, Seniors and All)  
 % Seasonal Flu (At least 1 dose) for Active Clinical Population  
 07/01/18 to 10/13/2018

Area	Children (6 mos-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mos+)
NATIONAL	13.3	16.4	26.2	15.5
ALASKA	10.6	14.0	16.4	13.0
ALBUQUERQUE	11.2	17.3	27.7	15.8
BEMIDJI	7.6	10.3	18.9	9.6
BILLINGS	12.9	17.1	28.4	15.8
CALIFORNIA	5.8	8.7	14.9	8.0
GREAT PLAINS	14.1	16.4	28.8	15.7
NASHVILLE	11.3	17.7	31.5	15.8
NAVAJO	20.0	21.9	31.1	21.3
OKLAHOMA	11.0	13.4	24.1	12.9
PHOENIX	11.7	16.9	24.6	15.3
PORTLAND	17.7	19.5	32.5	19.1
TUCSON	14.1	19.2	21.6	17.6

- This report includes data from the following number of Resource and Patient Management System (RPMS) databases:

<b>IHS Area</b>	<b># of RPMS Databases Reporting*</b>	<b># of Facilities Reporting**</b>
NATIONAL	139	245
ALASKA	4	22
ALBUQUERQUE	10	18
BEMIDJI	8	13
BILLINGS	11	20
CALIFORNIA	16	25
GREAT PLAINS	16	33
NASHVILLE	20	24
NAVAJO	7	20
OKLAHOMA	18	28
PHOENIX	14	22
PORTLAND	14	16
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.