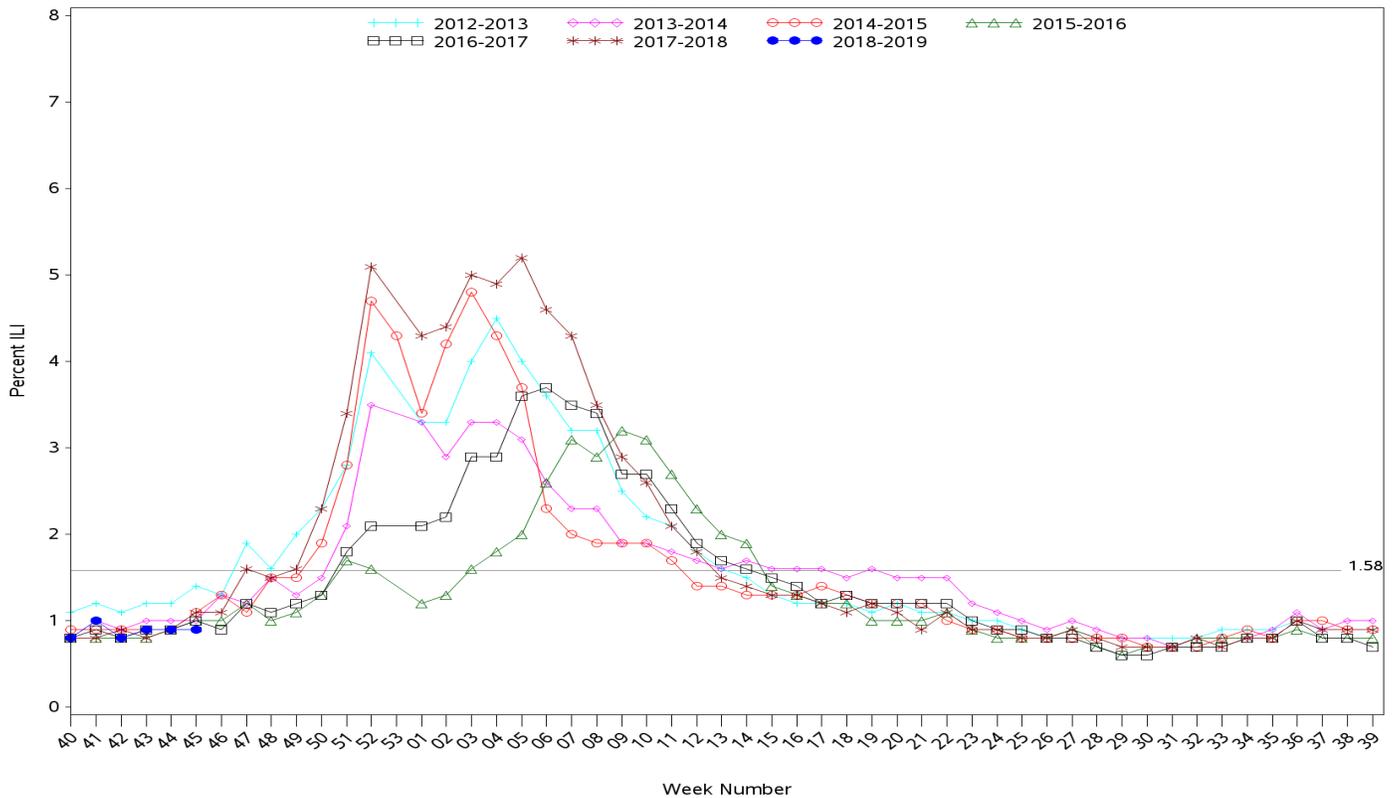




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 45: 11/04/2018 – 11/10/2018)

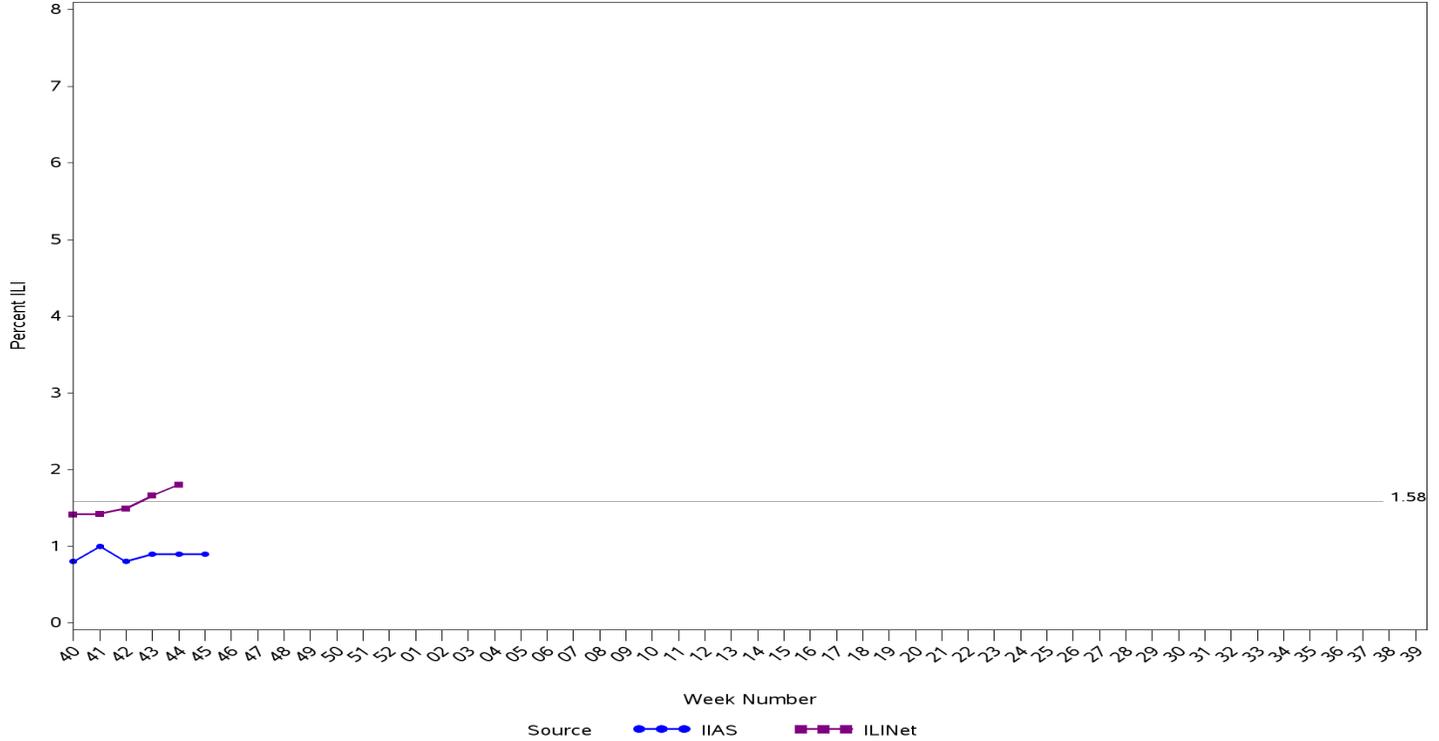
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.9%, below the IHS baseline of 1.58%
 - One IHS region reported having elevated ILI activity
- National ILI activity reported by CDC is low
 - CDC's ILINet ILI activity is 1.8% and is below the ILINet baseline (2.2%) but above the IHS baseline (1.58%).
- To date, IHS has administered 195,000 doses of influenza vaccine.
- Overall, 23.5% 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 11/10/18



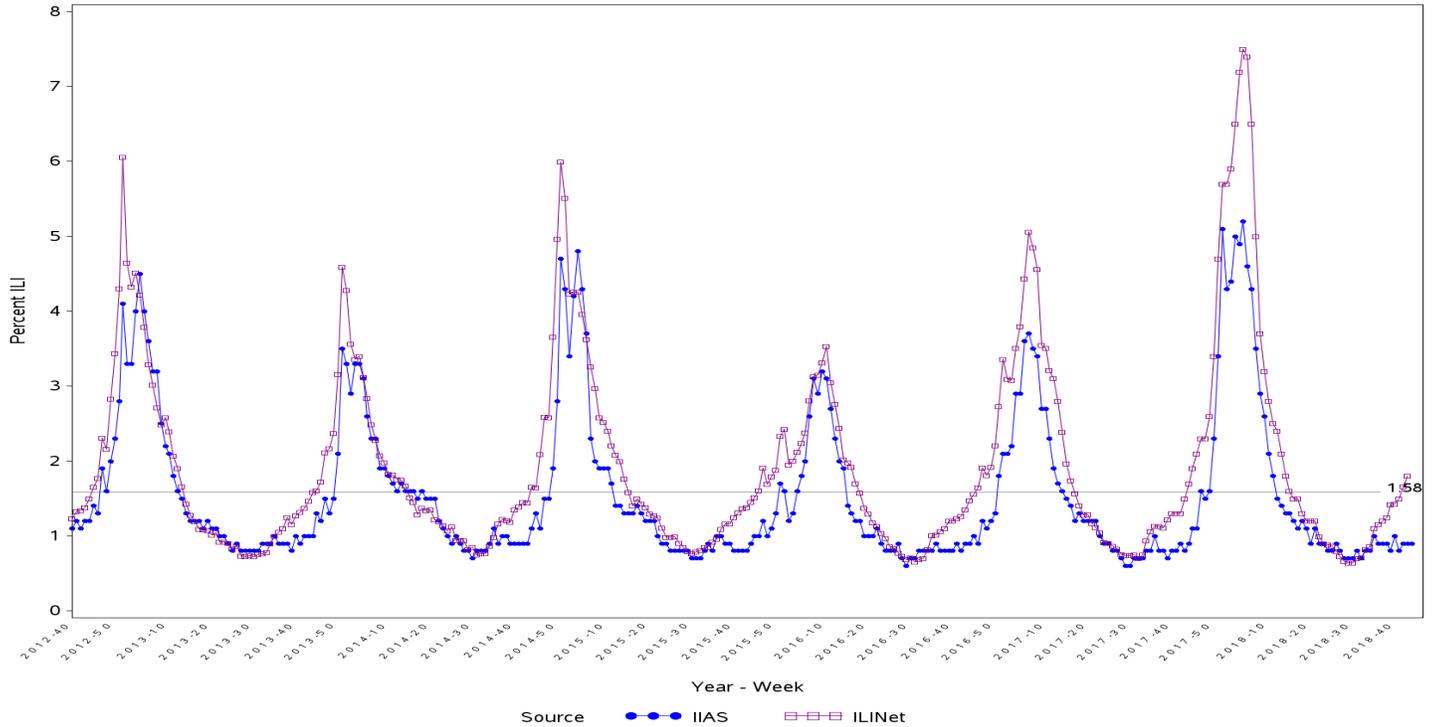
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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
 9/30/18 to 11/10/2018



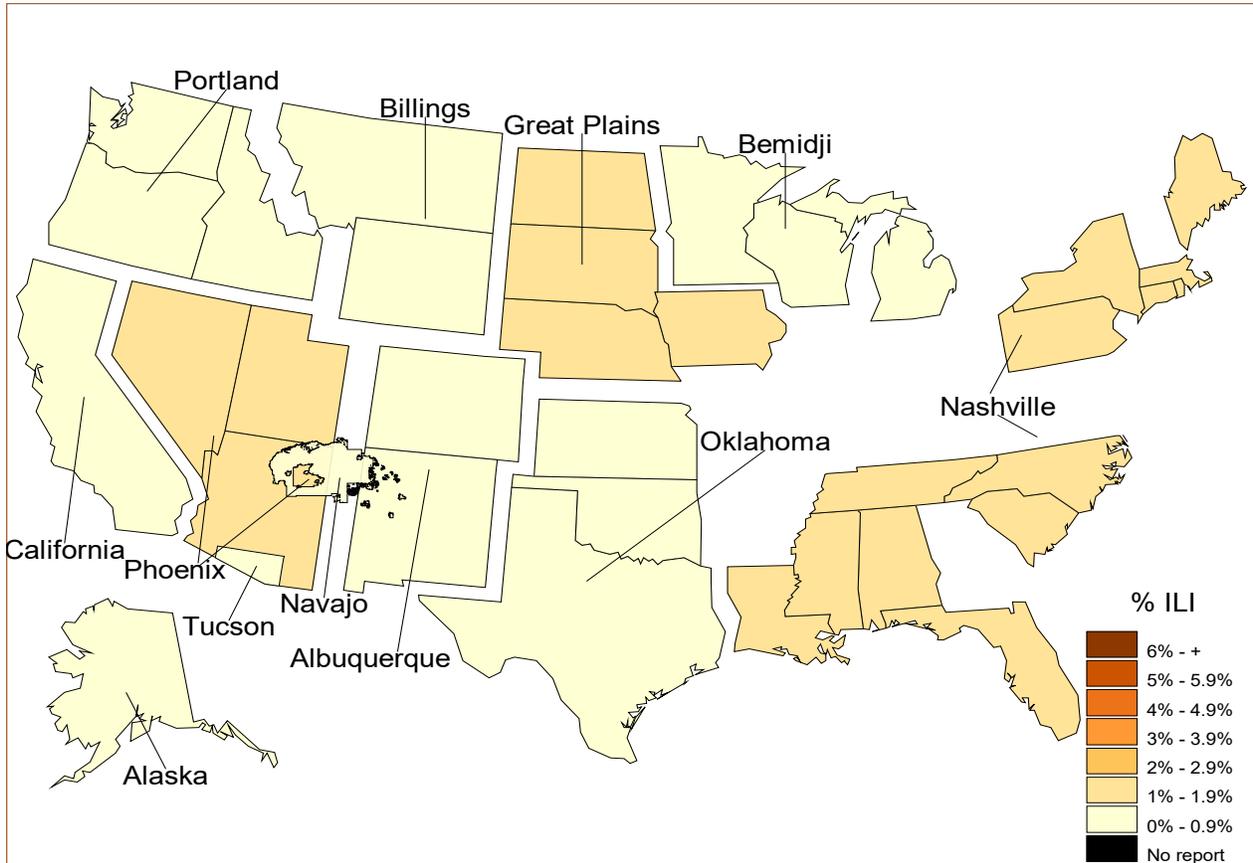
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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
 9/30/12 to 11/10/18



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: 45



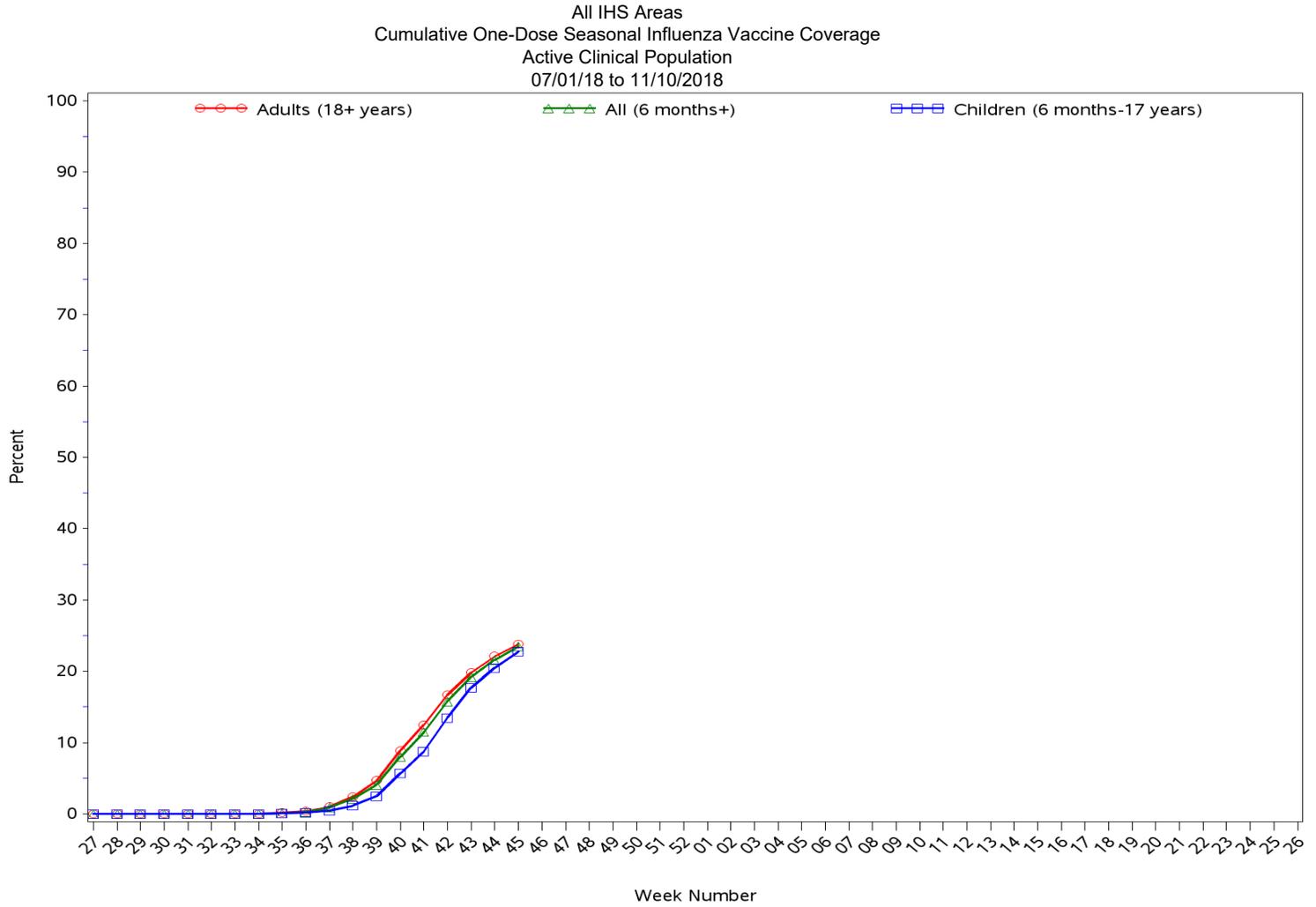
% Visits for ILI Compared to Previous Week

IHS Areas	Previous Week (44)	Current Week (45)
NATIONAL	0.9	0.9
ALASKA	1.0	0.5
ALBUQUERQUE	0.7	0.9
BEMIDJI	0.9	0.7
BILLINGS	0.8	0.5
CALIFORNIA	0.1	0.3
GREAT PLAINS	1.5	1.4
NASHVILLE	1.5	1.8
NAVAJO	0.7	0.8
OKLAHOMA	0.6	0.8
PHOENIX	1.1	1.1
PORTLAND	0.2	0.5
TUCSON	0.2	0.6

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

IHS Influenza Vaccination Surveillance

- As of 11/10/2018, sites reporting to the IIAS have administered 195,234 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	3,487	11	0.3	5	0.1	16
6 - 23 months	16,889	4,692	27.8	218	1.3	4,919
2 - 4 years	43,102	8,147	18.9	56	0.1	8,219
5 - 17 years	170,258	39,685	23.3	127	0.1	39,925
18 - 49 years	350,396	63,073	18.0	205	0.1	63,475
50 - 64 years	149,960	44,210	29.5	161	0.1	44,534
65 + years	92,436	33,773	36.5	166	0.2	34,162
Children (6 months-17 years)	230,249	52,524	22.8	401	0.2	53,063
Adults (18 + years)	592,792	141,056	23.8	532	0.1	142,171
All (6 months +)	823,041	193,580	23.5	933	0.1	195,234

* 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	18	277	1	18	0	1,956	376	105	1	34	5	0	0	0	8	2,799
ALB	14	116	117	2	695	0	6,514	5,223	292	1,638	12	3	5	0	0	45	14,676
BEM	6	28	85	8	72	37	3,255	2,324	85	286	1	11	1	0	0	33	6,232
BIL	3	70	1,044	1	121	397	7,810	1,933	75	0	5	4	4	0	0	27	11,494
CAO	11	799	916	1	294	0	2,497	792	68	85	257	0	58	0	0	116	5,894
GPA	10	112	895	1	473	0	10,796	8,528	154	428	351	46	2	0	0	62	21,858
NSA	28	128	213	2	209	1	3,653	4,189	269	401	3	25	35	0	0	199	9,355
NAV	8	127	1,944	8	204	0	32,717	15,836	959	1	163	20	14	0	0	92	52,093
OKC	55	954	824	7	780	26	18,956	6,777	906	1,898	25	27	2	0	0	125	31,362
PHX	9	1,116	665	39	255	0	12,331	7,686	260	1,429	2	96	3	0	0	67	23,958
POR	26	101	461	39	131	85	6,300	2,938	196	366	94	384	175	0	0	47	11,343
TUC	2	28	14	0	1	0	4,672	70	2	0	0	1	0	0	0	27	4,817
	172	3,597	7,455	109	3,253	546	111,457	56,672	3,371	6,533	947	622	299	0	0	848	195,881

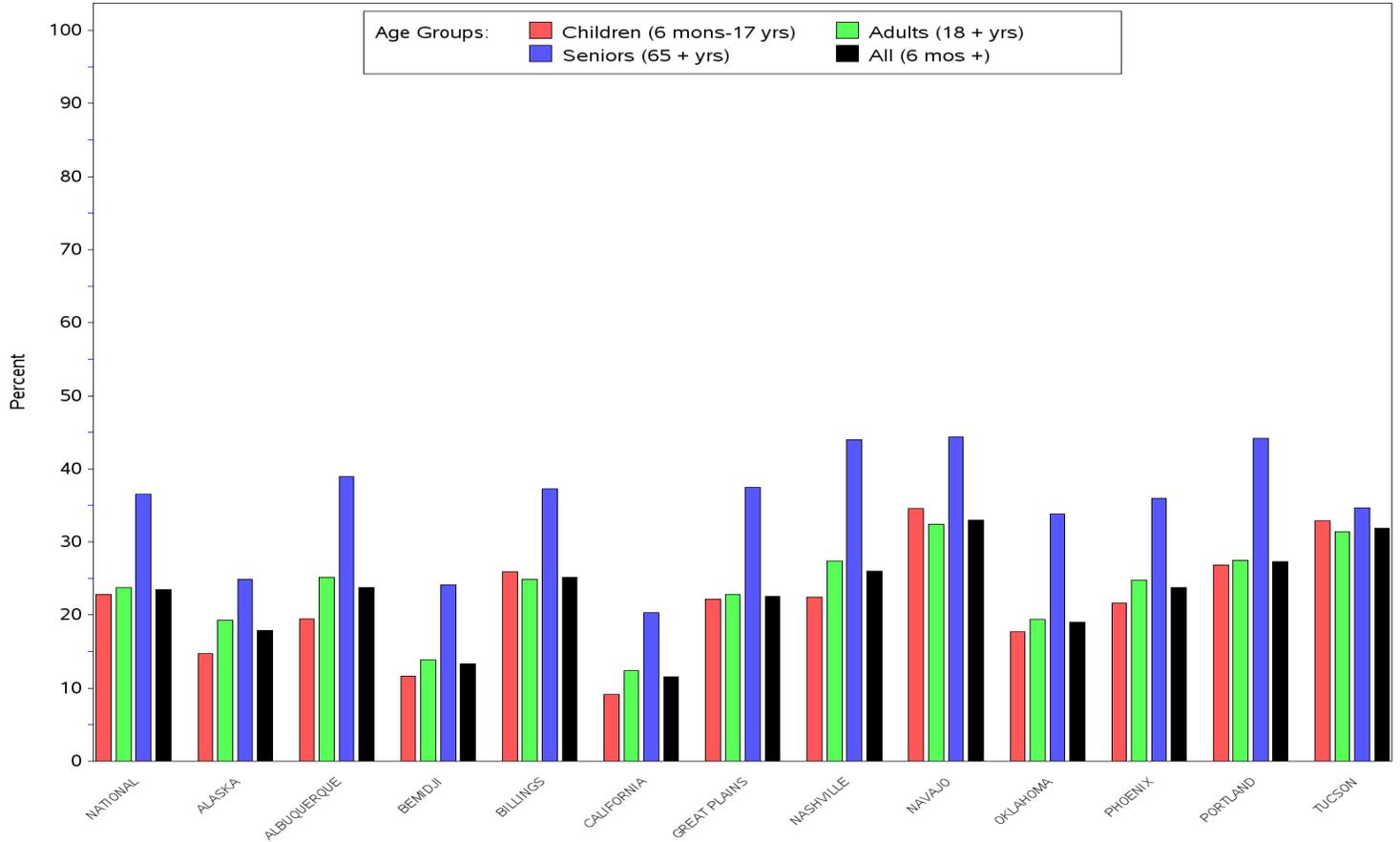
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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 11/10/2018



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 11/10/2018

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mons+)
NATIONAL	22.8	23.8	36.5	23.5
ALASKA	14.7	19.3	24.9	17.9
ALBUQUERQUE	19.5	25.2	39.0	23.8
BEMIDJI	11.7	13.9	24.1	13.3
BILLINGS	25.9	24.9	37.3	25.2
CALIFORNIA	9.1	12.4	20.3	11.6
GREAT PLAINS	22.2	22.8	37.5	22.6
NASHVILLE	22.5	27.4	44.0	26.0
NAVAJO	34.6	32.4	44.4	33.0
OKLAHOMA	17.7	19.4	33.8	19.0
PHOENIX	21.6	24.8	36.0	23.8
PORTLAND	26.8	27.5	44.2	27.3
TUCSON	32.9	31.4	34.7	31.9

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

IHS Area	# of RPMS Databases Reporting*	# of Facilities Reporting**
NATIONAL	135	232
ALASKA	4	27
ALBUQUERQUE	10	17
BEMIDJI	6	11
BILLINGS	12	18
CALIFORNIA	15	21
GREAT PLAINS	16	33
NASHVILLE	20	24
NAVAJO	7	19
OKLAHOMA	17	21
PHOENIX	13	21
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.