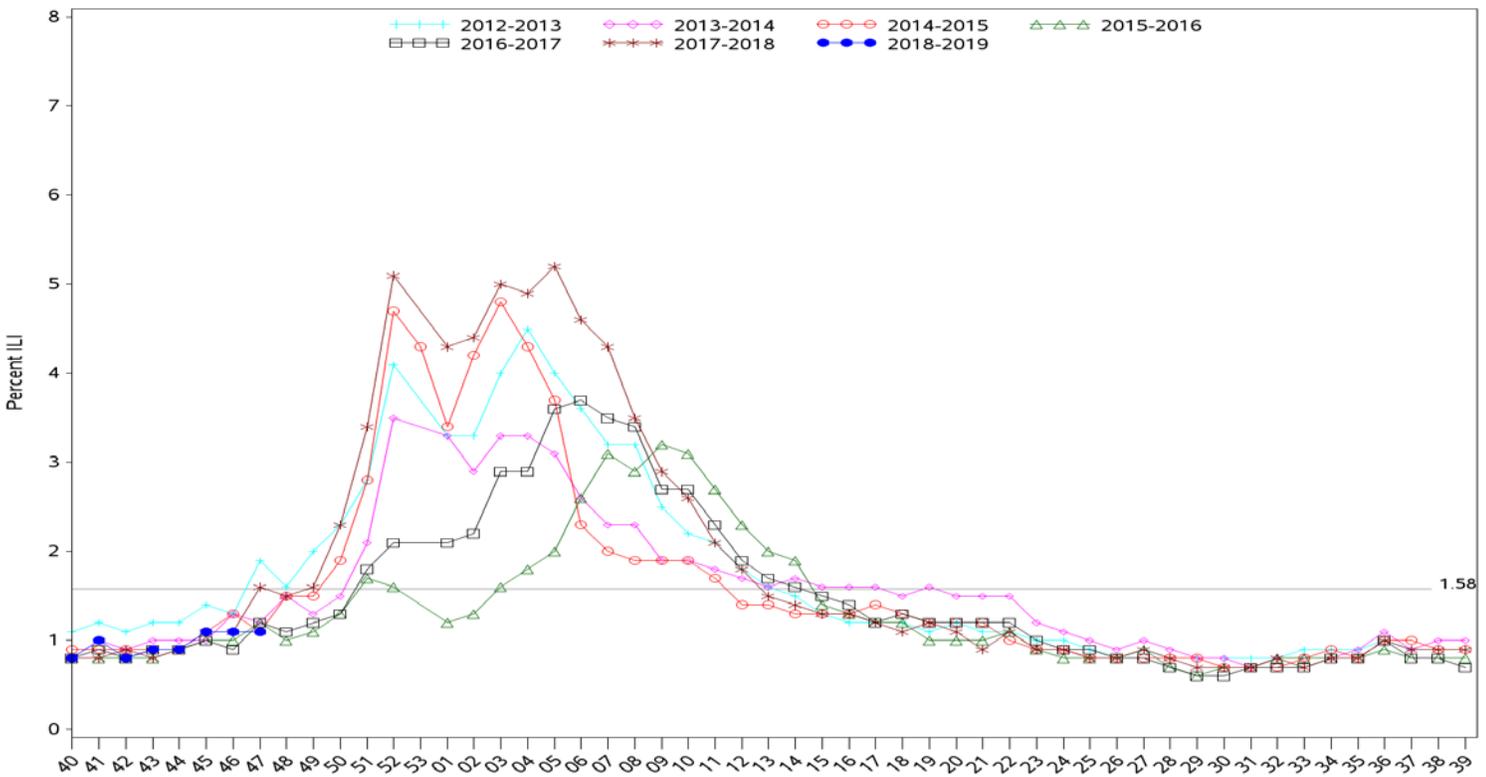




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 47: 11/ 18/2018 – 11/24/ 2018)

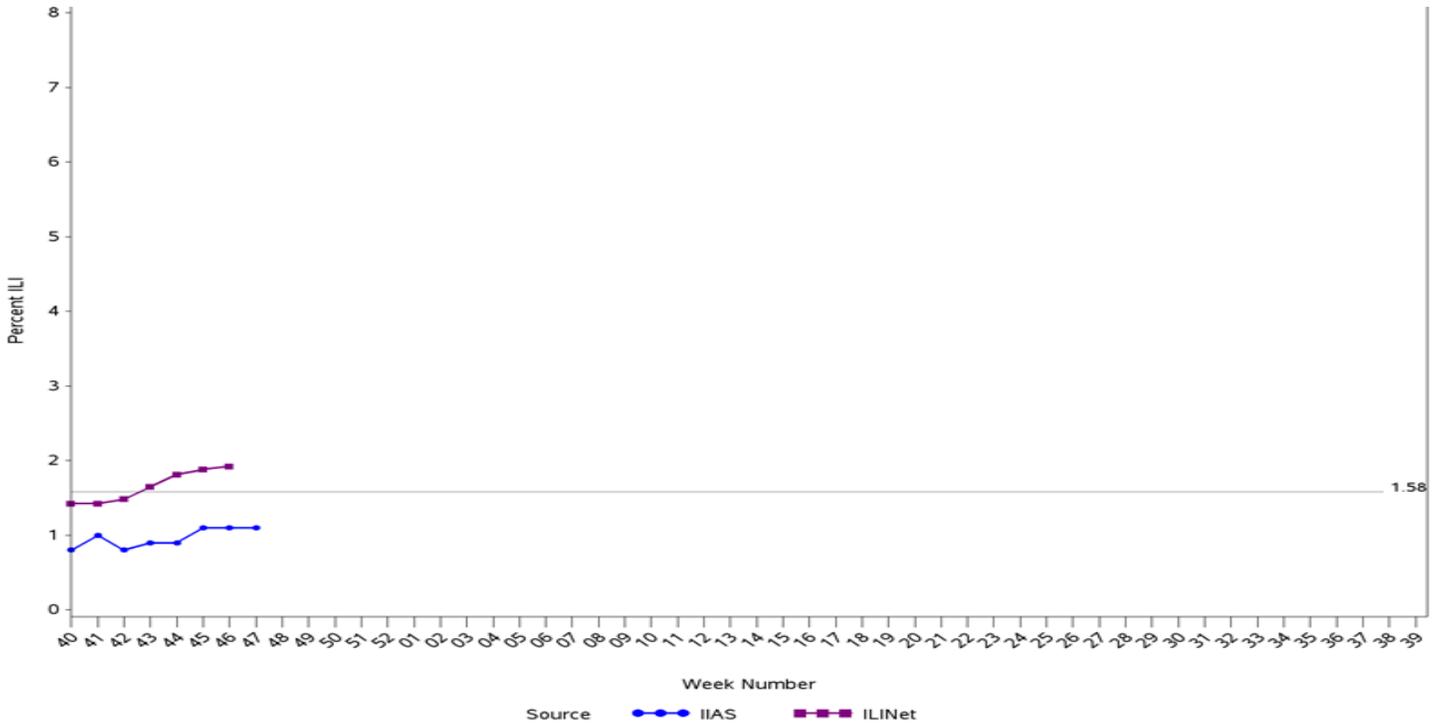
- Influenza-like-illness (ILI) activity in IHS is low and is at 1.1%, below the IHS baseline of 1.58%
 - One IHS Area reported having elevated ILI activity
- National ILI activity reported by CDC is low
 - CDC's ILINet ILI activity is 1.9% and is below the ILINet baseline (2.2%) but above the IHS baseline (1.58%).
- To date, IHS has administered 218,000 doses of influenza vaccine.
- Overall, 26.3% 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
 9/30/2012 to 11/24/2018



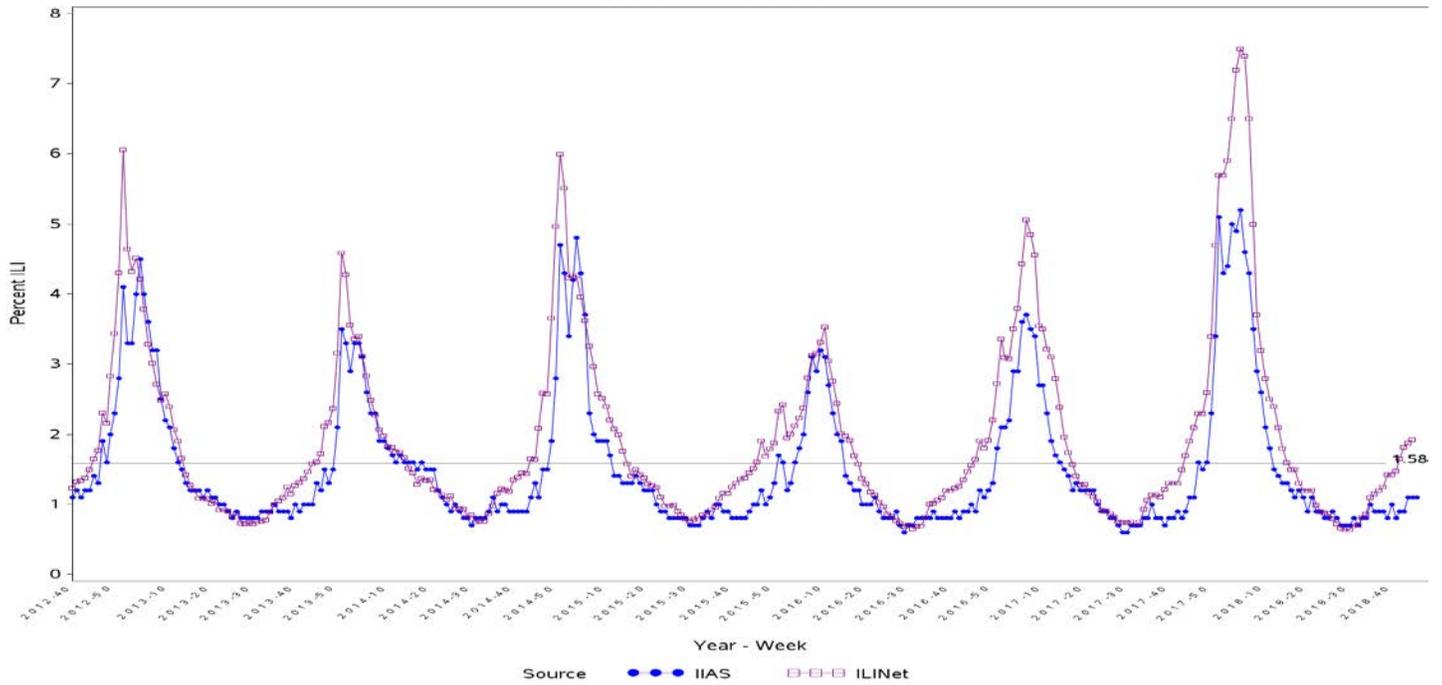
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous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

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2018 - 2019
 IIAS vs. ILINet
 9/30/2018 to 11/24/2018



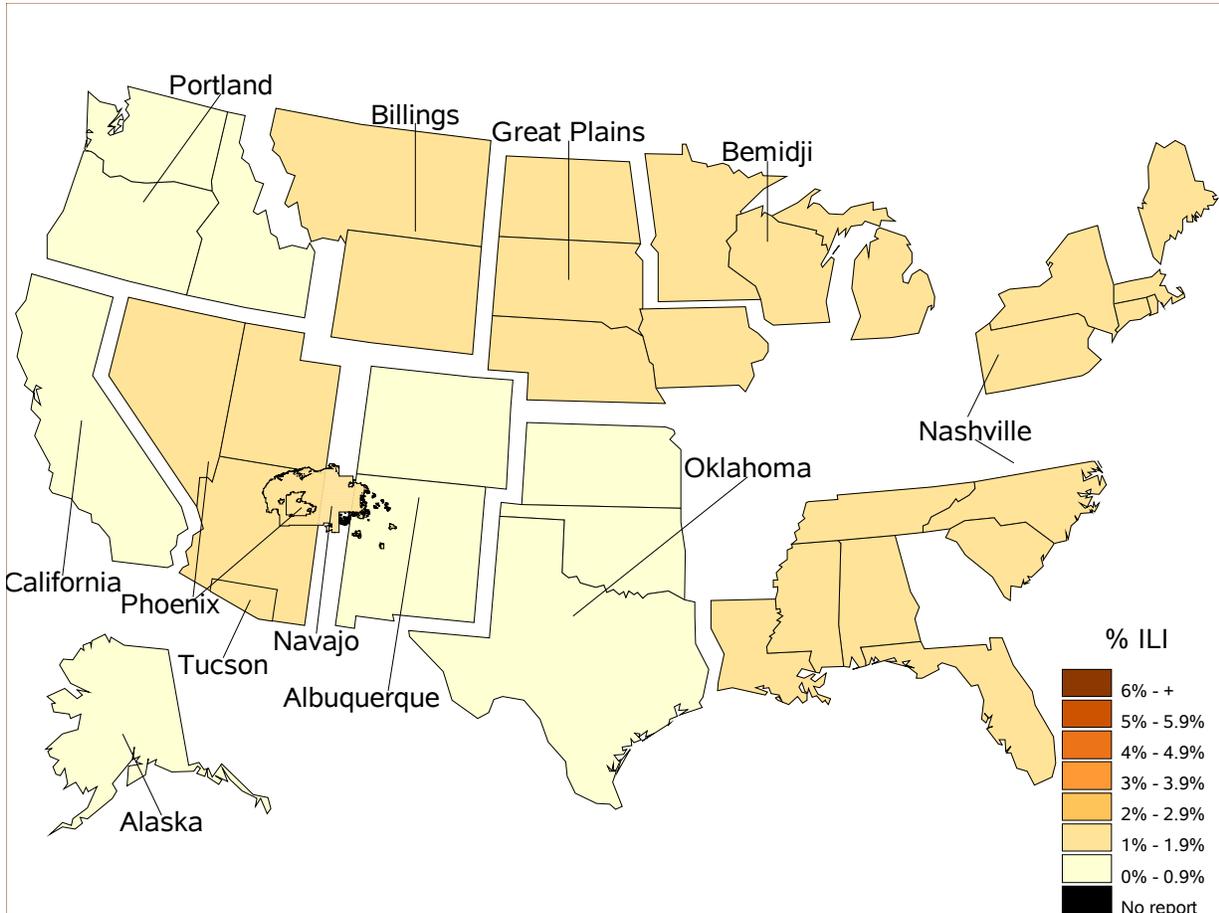
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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
 9/30/2012 to 11/24/2018



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

Percentage of Influenza-Like Illness Visits by Region
For Week: 47



% Visits for ILI Compared to Previous Week

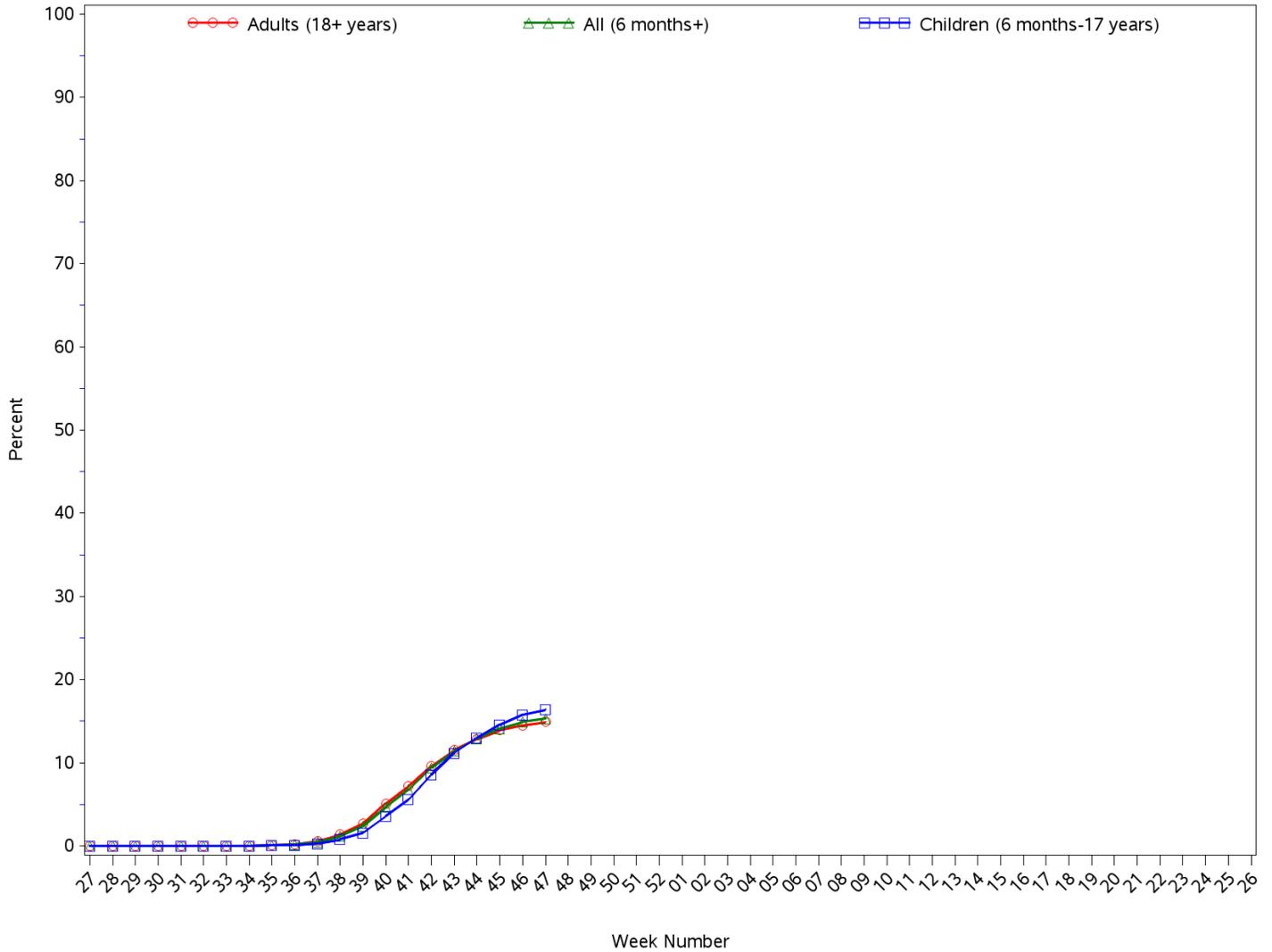
IHS Areas	Previous Week (46)	Current Week (47)
NATIONAL	1.1	1.1
ALASKA	1.0	0.0
ALBUQUERQUE	1.0	0.5
BEMIDJI	1.3	1.1
BILLINGS	0.9	1.0
CALIFORNIA	0.5	0.5
GREAT PLAINS	1.6	1.4
NASHVILLE	2.3	1.9
NAVAJO	1.0	1.0
OKLAHOMA	0.8	0.7
PHOENIX	1.2	1.5
PORTLAND	0.8	0.4
TUCSON	1.0	1.1

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

IHS Influenza Vaccination Surveillance

As of 11/24/2018, sites reporting to the IIAS have administered 218,398 doses (1st and 2nd) of seasonal influenza vaccine to Active Clinical patients.

All IHS Areas
Cumulative One-Dose Seasonal Influenza Vaccine Coverage
Active Clinical Population
07/01/2018 to 11/24/2018



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	12	0.3	5	0.1	17
6 - 23 months	16,889	5,479	32.4	420	2.5	5,911
2 - 4 years	43,102	9,353	21.7	92	0.2	9,464
5 - 17 years	170,258	46,094	27.1	167	0.1	46,391
18 - 49 years	350,396	70,146	20.0	239	0.1	70,616
50 - 64 years	149,960	48,429	32.3	198	0.1	48,802
65 + years	92,436	36,773	39.8	200	0.2	37,214
Children (6 months-17 years)	230,249	60,926	26.5	679	0.3	61,766
Adults (18 + years)	592,792	155,348	26.2	637	0.1	156,632
All (6 months +)	823,041	216,274	26.3	1,316	0.2	218,398

* 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 99.5 2 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	0	31	302	1	21	0	2,154	388	121	1	56	5	0	0	0	10	3,090
ALB	46	161	127	2	889	0	7,362	5,710	365	1,780	171	6	7	0	0	50	16,676
BEM	6	32	87	9	94	38	3,544	2,576	104	291	1	18	0	0	0	36	6,836
BIL	2	87	1,117	1	162	481	8,602	2,223	99	0	5	5	4	0	0	23	12,811
CAO	15	916	1,055	2	339	0	2,763	950	92	88	307	0	63	0	0	120	6,710
GPA	16	238	958	2	574	0	11,851	9,404	381	480	364	55	2	0	0	73	24,398
NSA	31	143	221	3	247	2	4,066	4,515	309	432	15	28	35	0	0	219	10,266
NAV	10	167	2,127	11	282	0	36,543	17,663	1,118	1	198	23	15	0	0	101	58,259
OKC	70	1,208	885	8	973	29	20,555	7,524	1,010	2,027	41	28	2	0	0	168	34,528
PHX	13	1,254	713	39	292	0	14,538	8,476	374	1,546	3	101	2	0	0	105	27,456
POR	29	127	503	41	151	110	6,962	3,225	248	408	106	398	197	0	0	49	12,554
TUC	2	37	17	0	1	0	5,350	75	4	0	0	2	0	0	0	35	5,523
	240	4,401	8,112	119	4,025	660	124,290	62,729	4,225	7,054	1,267	669	327	0	0	989	219,107

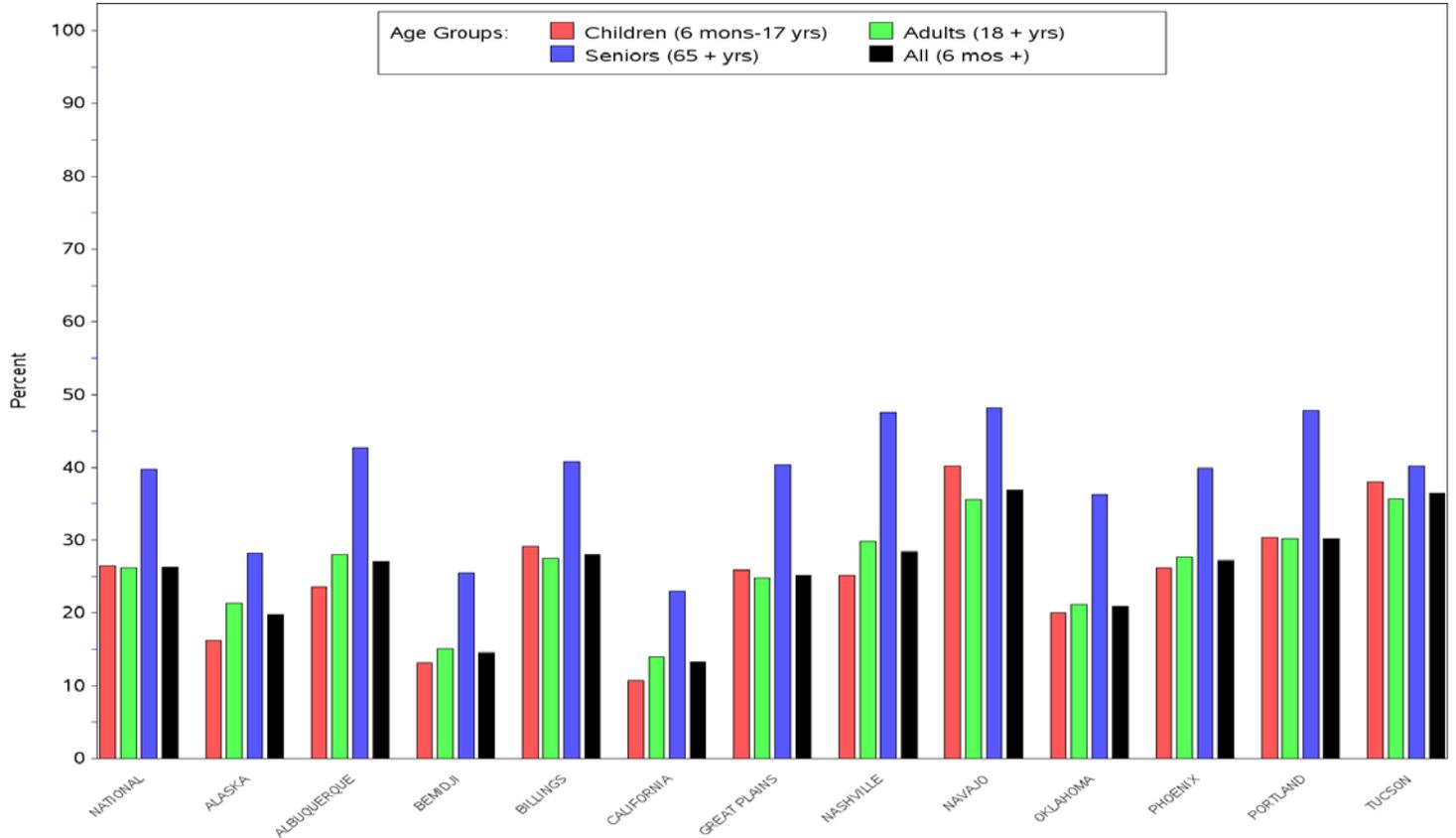
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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
 07/01/18 to 11/24/2018



All IHS Areas
 Influenza Vaccine Coverage by Age Groups (Children, Adults, Seniors and All)
 % Seasonal Flu (At least 1 dose) for Active Clinical Population
 07/01/2018 to 11/24/2018

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mons+)
NATIONAL	26.5	26.2	39.8	26.3
ALASKA	16.2	21.3	28.2	19.8
ALBUQUERQUE	23.6	28.1	42.7	27.1
BEMIDJI	13.1	15.1	25.5	14.5
BILLINGS	29.2	27.5	40.8	28.1
CALIFORNIA	10.7	14.0	23.0	13.2
GREAT PLAINS	25.9	24.8	40.4	25.2
NASHVILLE	25.2	29.8	47.5	28.4
NAVAJO	40.2	35.6	48.2	36.9
OKLAHOMA	20.0	21.2	36.3	20.9
PHOENIX	26.2	27.7	39.9	27.2
PORTLAND	30.4	30.2	47.8	30.2
TUCSON	38.0	35.7	40.2	36.4

Number of RPMS Databases Reporting for Week 47, 2018

IHS Area	# of RPMS Databases Reporting*	# of Facilities Reporting**
NATIONAL	134	229
ALASKA	4	24
ALBUQUERQUE	10	17
BEMIDJI	5	10
BILLINGS	12	20
CALIFORNIA	15	22
GREAT PLAINS	16	31
NASHVILLE	20	24
NAVAJO	7	19
OKLAHOMA	17	21
PHOENIX	13	22
PORTLAND	14	15
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.