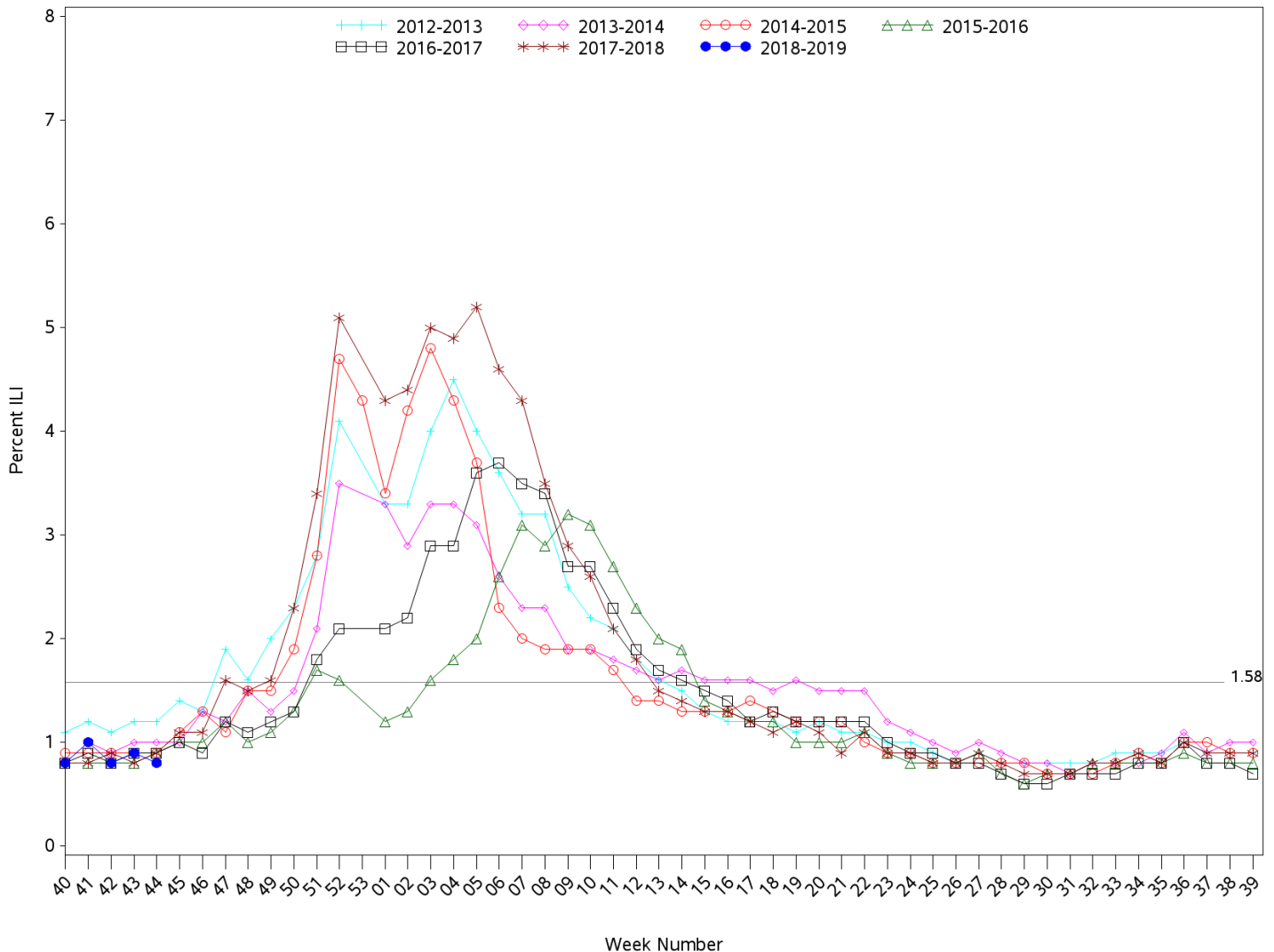




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
 (Week 44: 10/28/2018 – 11/03/2018)

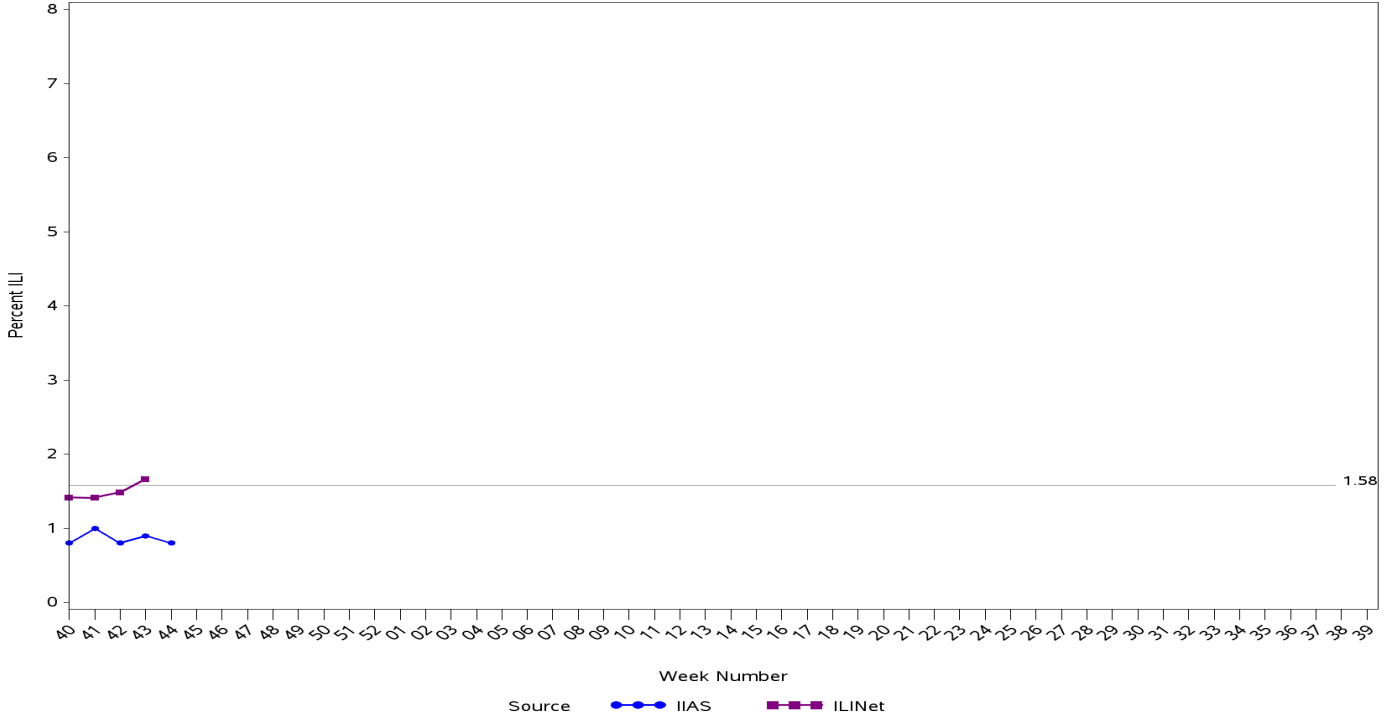
- Influenza-like-illness (ILI) activity in IHS is low and is at 0.8%, below the IHS baseline of 1.58%
 - No IHS regions report having elevated ILI activity
- National ILI activity reported by CDC is low
 - CDC's ILINet ILI activity is 1.7% and is below the ILINet baseline (2.2%) but above the IHS baseline (1.58%).
- To date, IHS has administered over 176,000 doses of influenza vaccine.
- Overall, 21.3% 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
 9/30/12 to 11/03/18



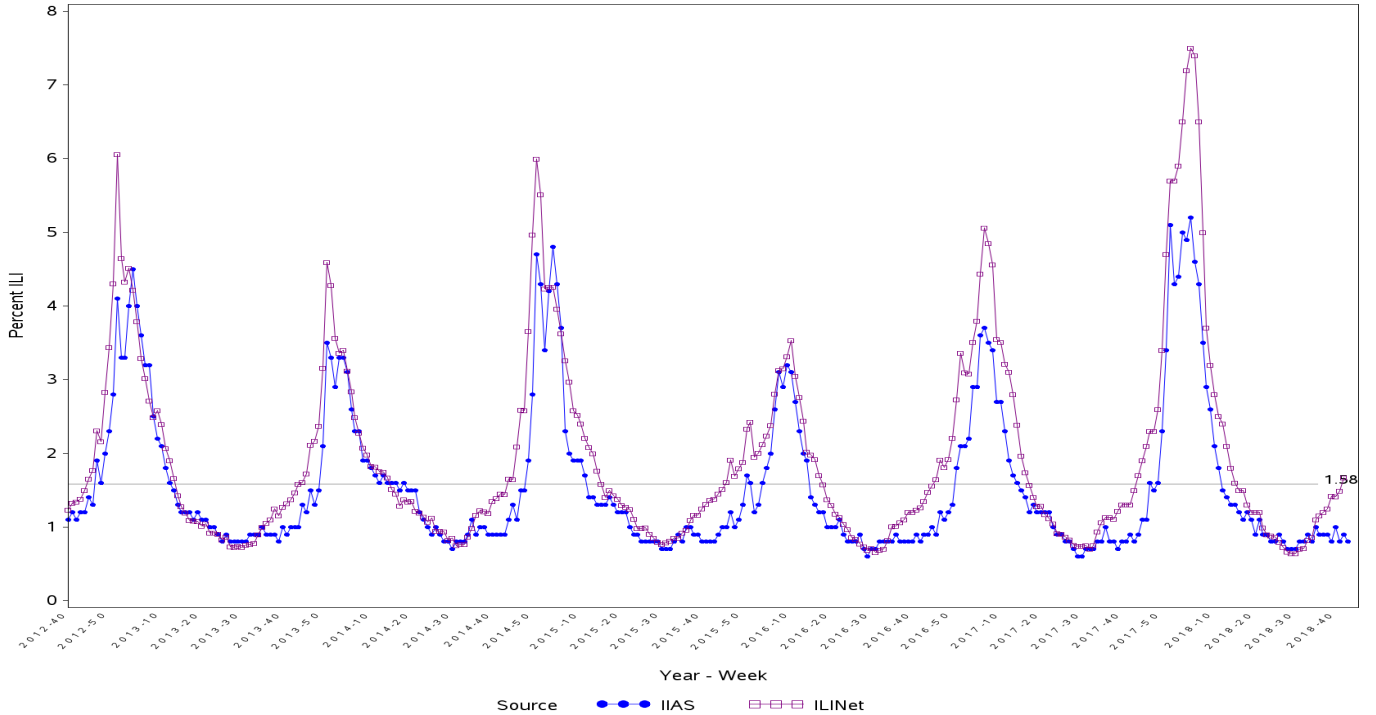
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2018-2019 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2018 - 2019
 IIAS vs. ILINet
 9/30/18 to 11/03/2018



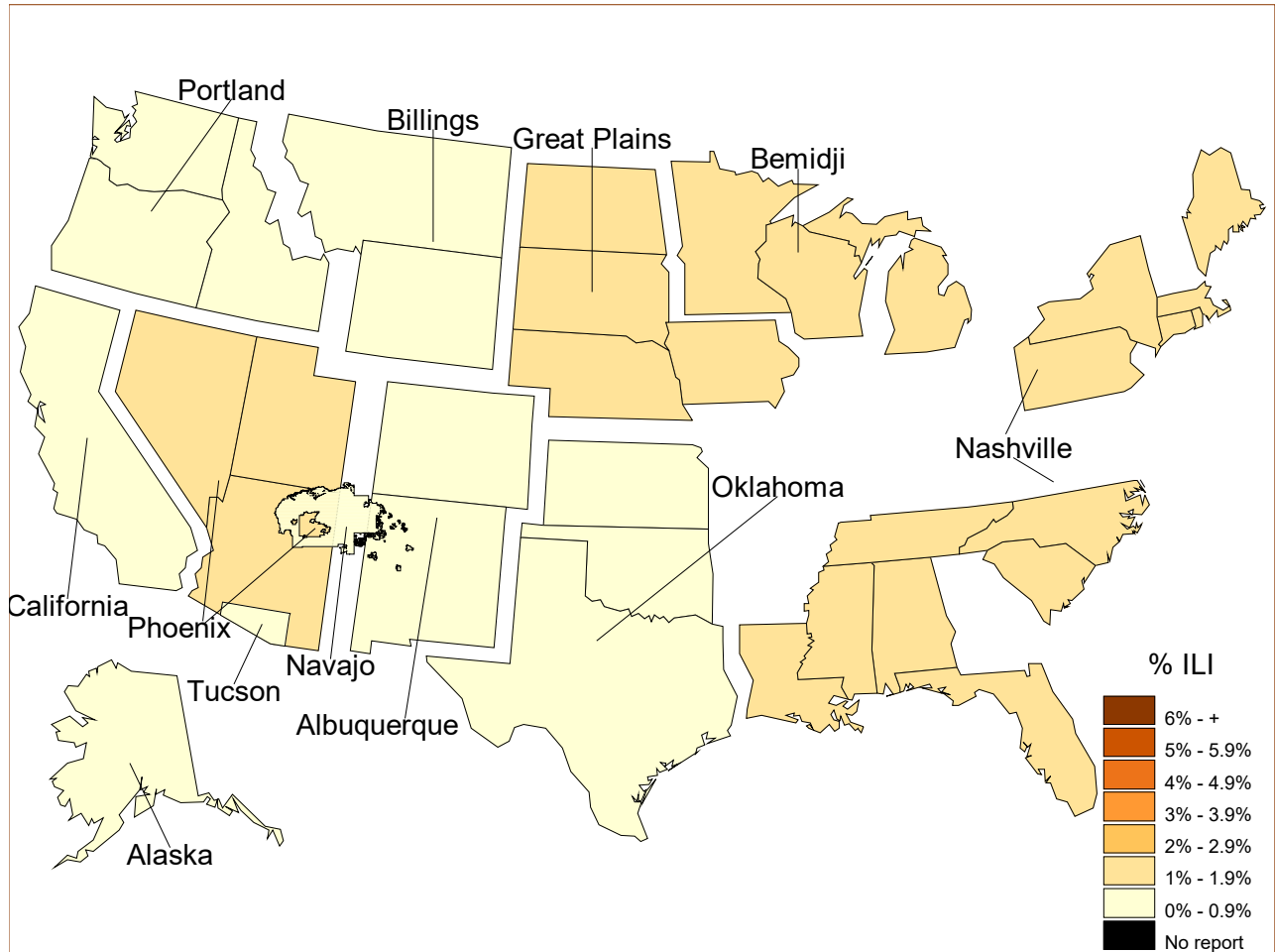
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 11/03/18



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: 44



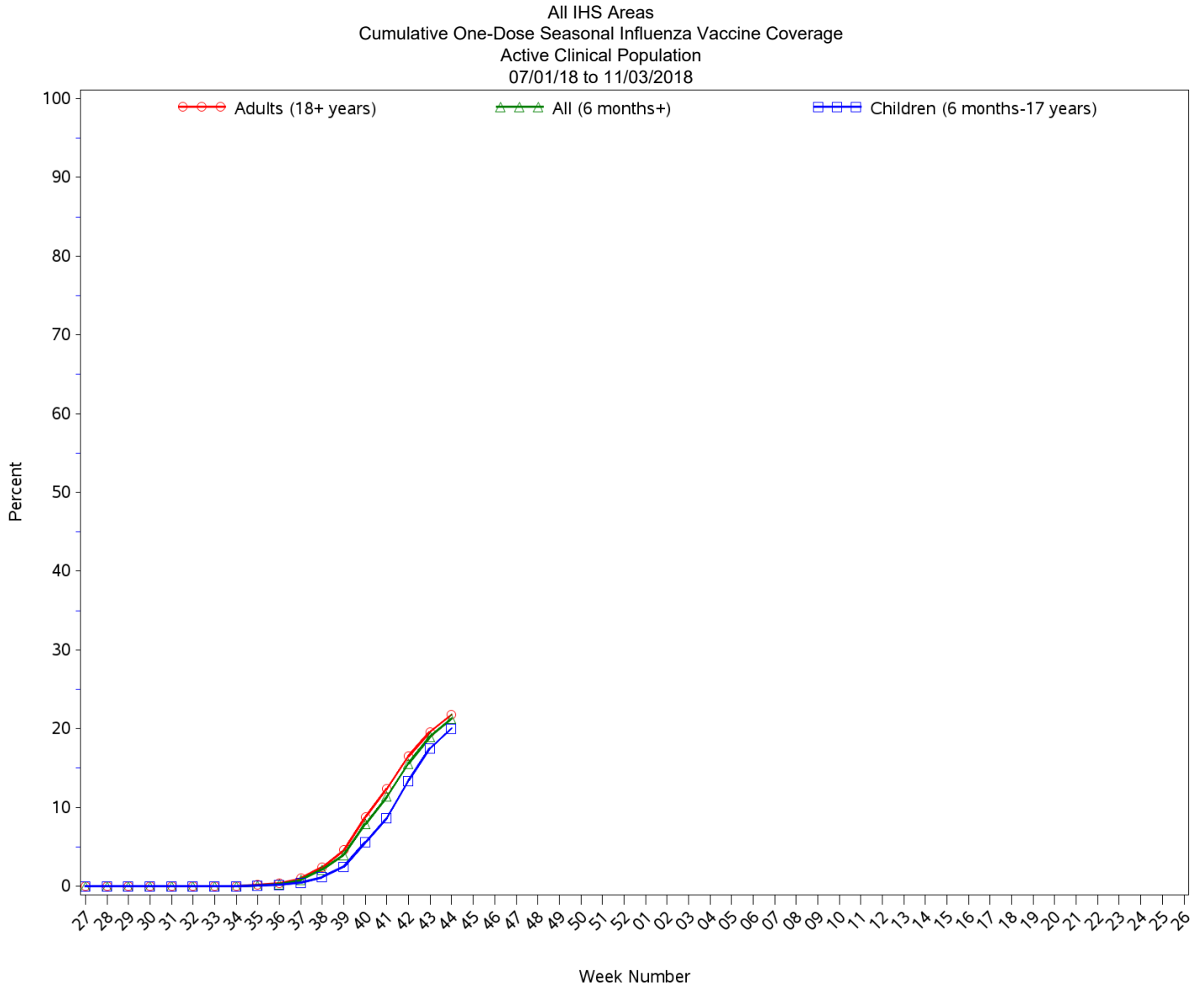
% Visits for ILI Compared to Previous Week

IHS Areas	Previous Week (43)	Current Week (44)
NATIONAL	0.9	0.8
ALASKA	1.3	0.6
ALBUQUERQUE	0.5	0.7
BEMIDJI	0.5	1.0
BILLINGS	1.2	0.8
CALIFORNIA	0.4	0.1
GREAT PLAINS	1.4	1.4
NASHVILLE	0.9	1.4
NAVAJO	0.8	0.7
OKLAHOMA	0.7	0.5
PHOENIX	0.9	1.0
PORTLAND	0.4	0.2
TUCSON	0.4	0.2

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

IHS Influenza Vaccination Surveillance

- As of 11/03/2018, sites reporting to the IIAS have administered 176,457 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	4,121	24.4	133	0.8	4,261
2 - 4 years	43,098	7,160	16.6	39	0.1	7,214
5 - 17 years	170,221	34,875	20.5	103	0.1	35,080
18 - 49 years	350,060	57,126	16.3	171	0.0	57,479
50 - 64 years	149,748	40,546	27.1	136	0.1	40,836
65 + years	92,348	31,242	33.8	140	0.2	31,587
Children (6 months-17 years)	230,208	46,156	20.0	275	0.1	46,555
Adults (18 + years)	592,156	128,914	21.8	447	0.1	129,902
All (6 months +)	822,364	175,070	21.3	722	0.1	176,457

* 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	14	252	1	12	0	1,685	356	90	1	29	0	0	0	0	6	2,446
ALB	9	104	113	2	544	0	5,807	4,816	222	1,496	8	3	5	0	0	31	13,160
BEM	4	22	83	7	66	37	2,856	2,141	77	276	1	11	1	0	0	27	5,609
BIL	3	56	987	1	81	242	6,762	1,665	53	0	1	1	0	0	0	19	9,871
CAO	8	692	831	1	260	0	2,326	670	54	84	226	0	53	0	0	117	5,322
GPA	7	89	829	1	438	0	9,849	7,899	143	383	322	44	2	0	0	60	20,066
NSA	23	112	206	2	176	0	3,311	3,843	237	374	2	25	34	0	0	183	8,528
NAV	6	100	1,772	6	183	0	29,246	14,906	858	1	141	19	14	0	0	90	47,342
OKC	49	785	762	7	645	25	17,659	6,073	785	1,754	23	26	2	0	0	124	28,719
PHX	6	1,067	629	39	215	0	10,761	6,855	212	1,290	2	94	2	0	0	69	21,241
POR	24	93	429	39	123	71	5,807	2,651	183	338	84	375	144	0	0	47	10,408
TUC	1	24	12	0	1	0	4,247	65	1	0	0	1	0	0	0	26	4,378
	140	3,158	6,905	106	2,744	375	100,316	51,940	2,915	5,997	839	599	257	0	0	799	177,090

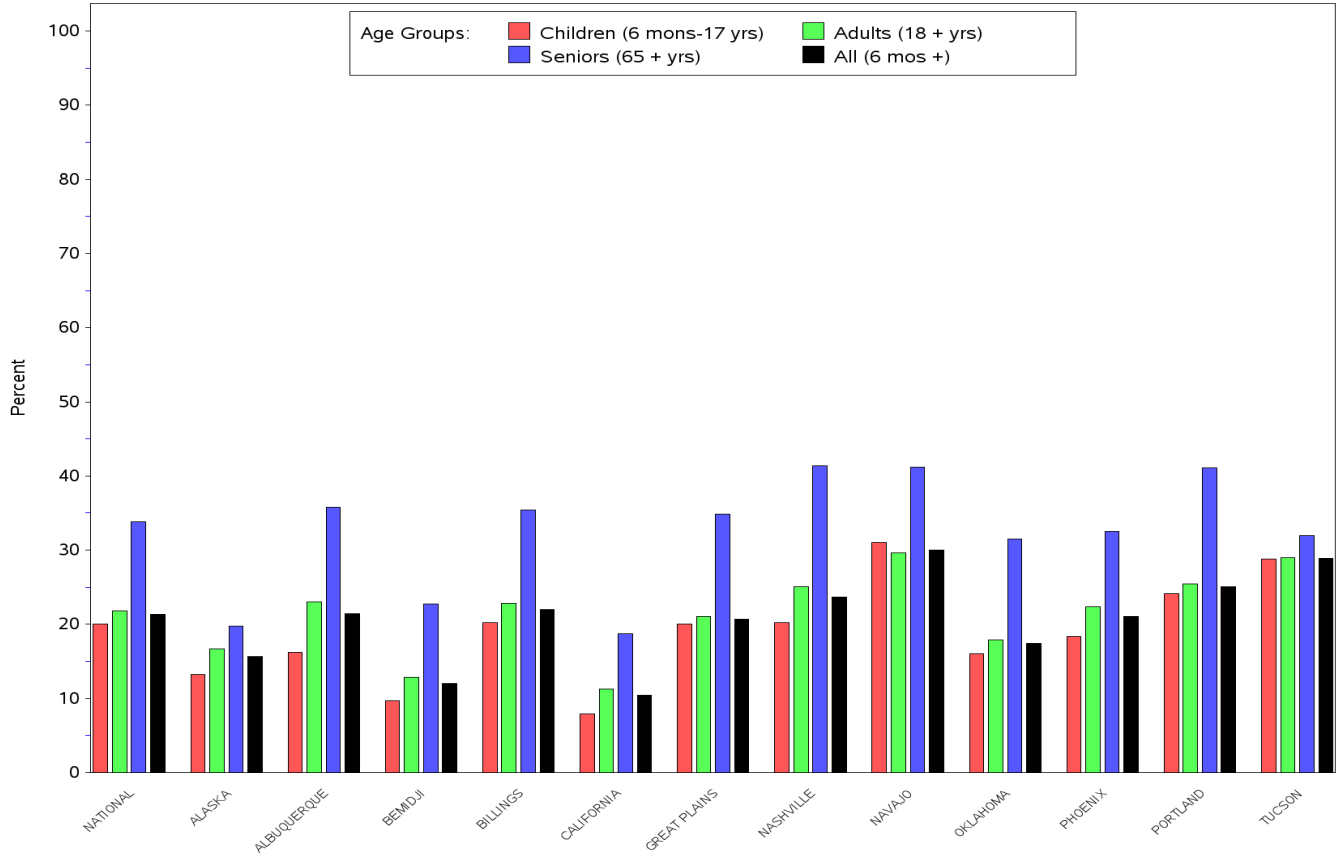
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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 11/03/2018



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 11/03/2018

Area	Children (6 mos-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mos+)
NATIONAL	20.0	21.8	33.8	21.3
ALASKA	13.2	16.7	19.8	15.7
ALBUQUERQUE	16.2	23.0	35.8	21.4
BEMIDJI	9.7	12.9	22.7	12.0
BILLINGS	20.2	22.8	35.4	22.0
CALIFORNIA	7.9	11.3	18.7	10.4
GREAT PLAINS	20.0	21.1	34.9	20.7
NASHVILLE	20.2	25.1	41.4	23.7
NAVAJO	31.0	29.6	41.2	30.0
OKLAHOMA	16.0	17.9	31.5	17.4
PHOENIX	18.4	22.4	32.5	21.1
PORTLAND	24.1	25.4	41.1	25.1
TUCSON	28.8	29.0	32.0	28.9

- 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	134	234
ALASKA	4	24
ALBUQUERQUE	10	17
BEMIDJI	5	10
BILLINGS	11	18
CALIFORNIA	15	24
GREAT PLAINS	16	32
NASHVILLE	20	24
NAVAJO	7	20
OKLAHOMA	18	24
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.