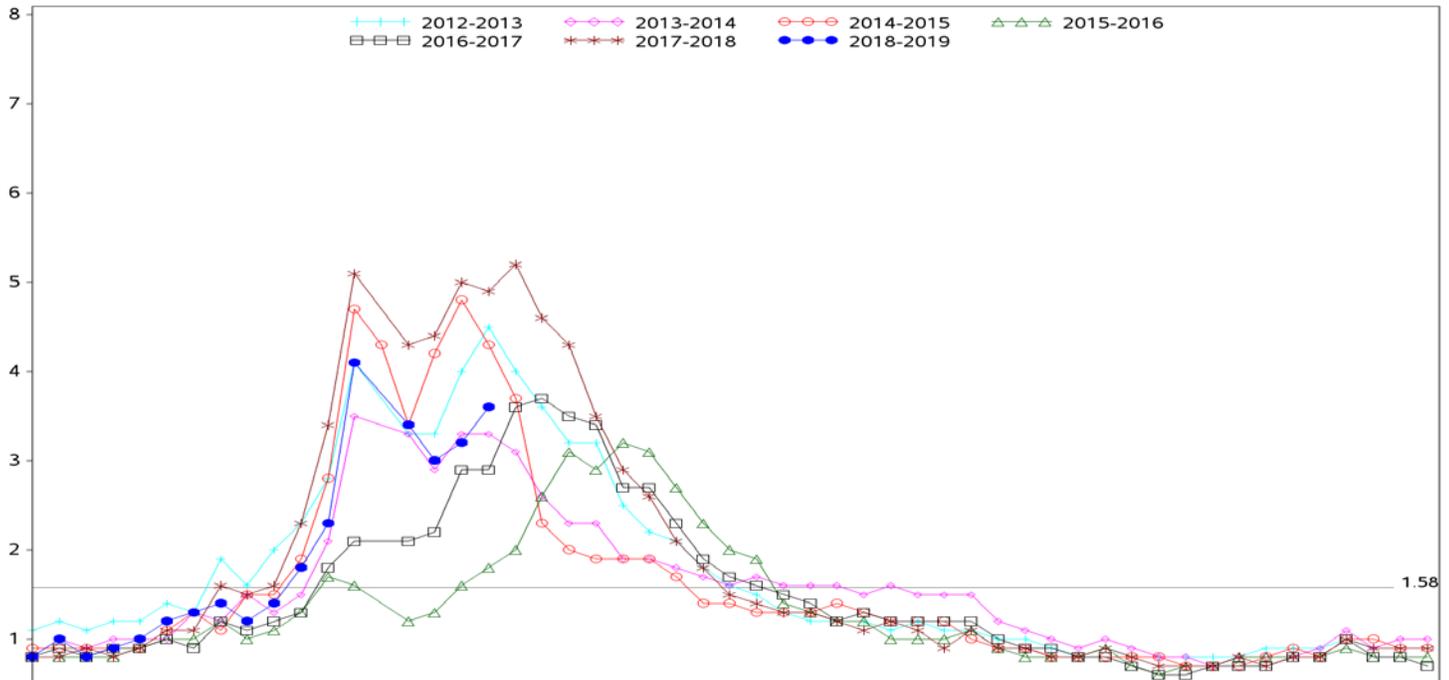




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 04: 01/20/2019 – 01/26/2019)

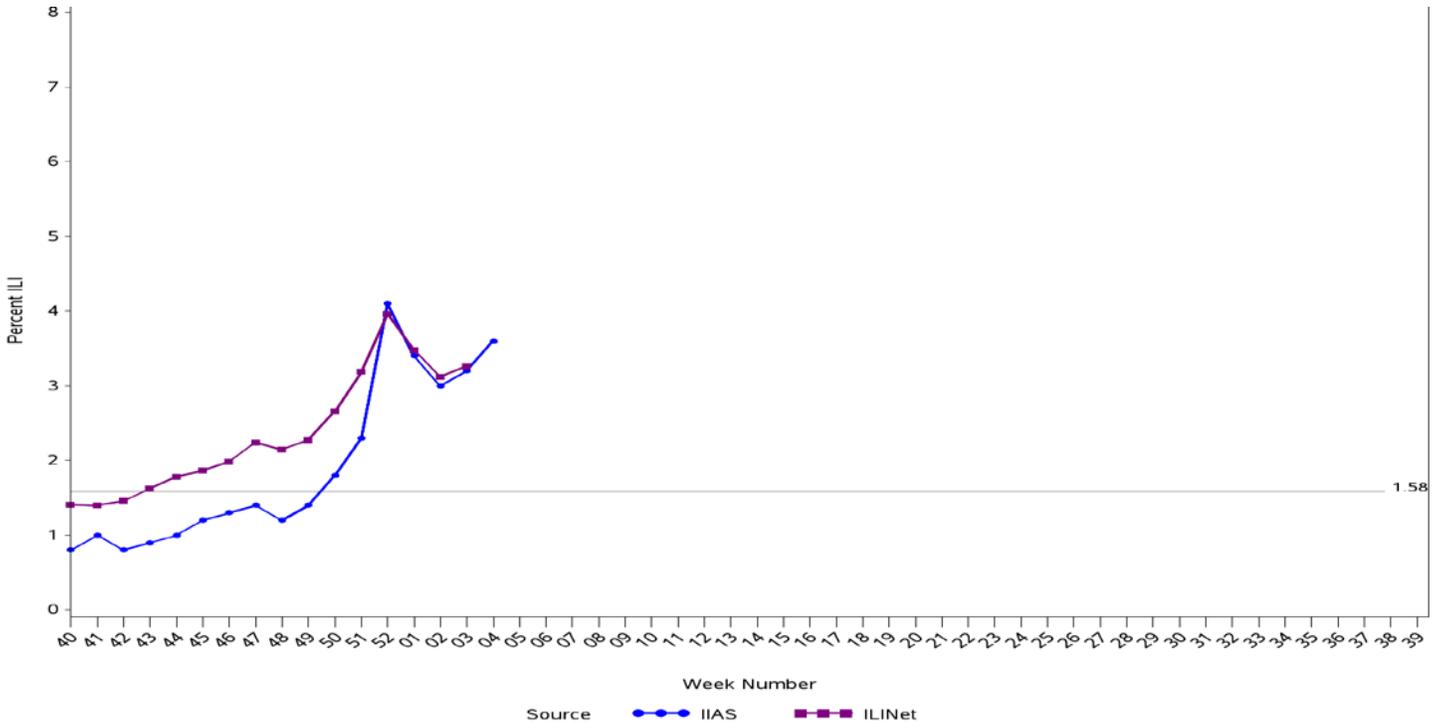
- Influenza-like-illness (ILI) activity in IHS is high and is at 3.6%, above the IHS baseline of 1.58%
 - Eleven IHS Areas reported having elevated ILI activity
- National ILI activity reported by CDC is high
 - CDC's ILINet ILI activity for week 3 was at 3.3% and is above the ILINet baseline (2.2%) and the IHS baseline (1.58%).
- To date, IHS has administered approximately 285,000 doses of influenza vaccine.
- Overall, 33.7% 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 01/26/2019



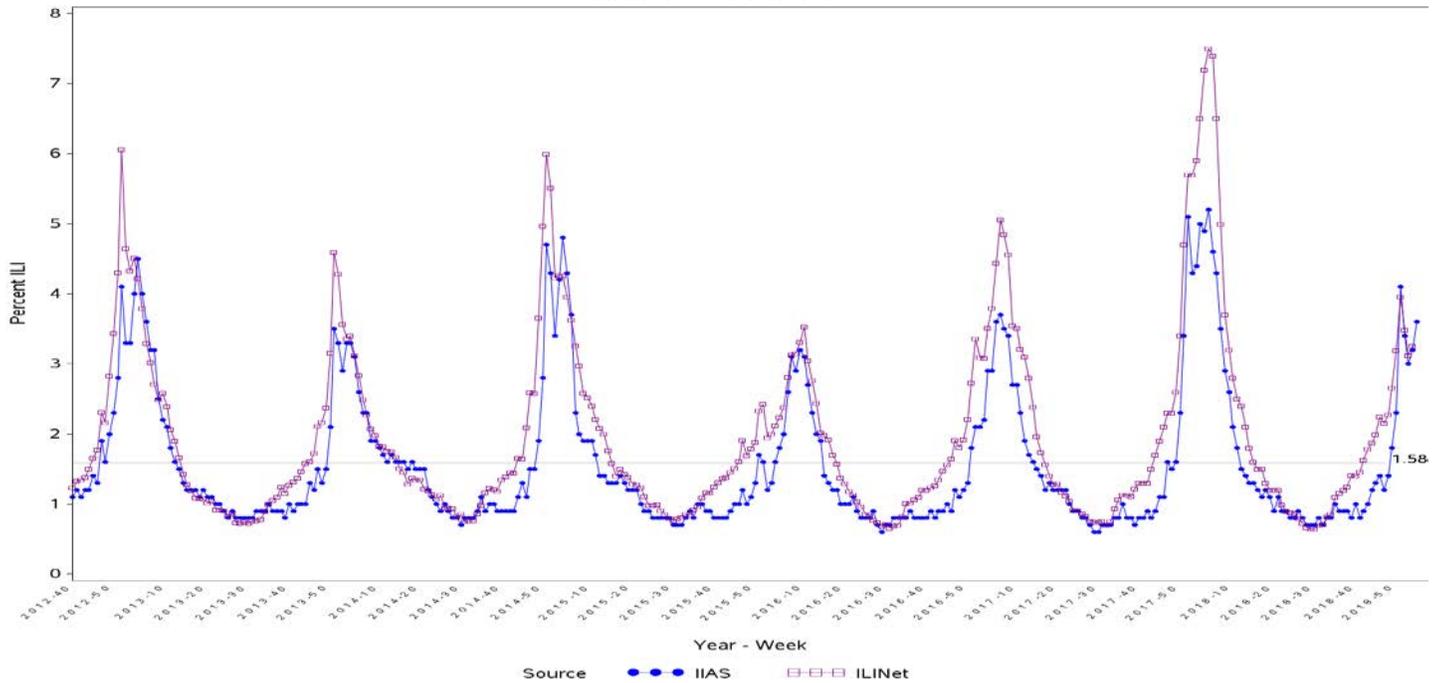
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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
 9/30/18 to 01/26/2019



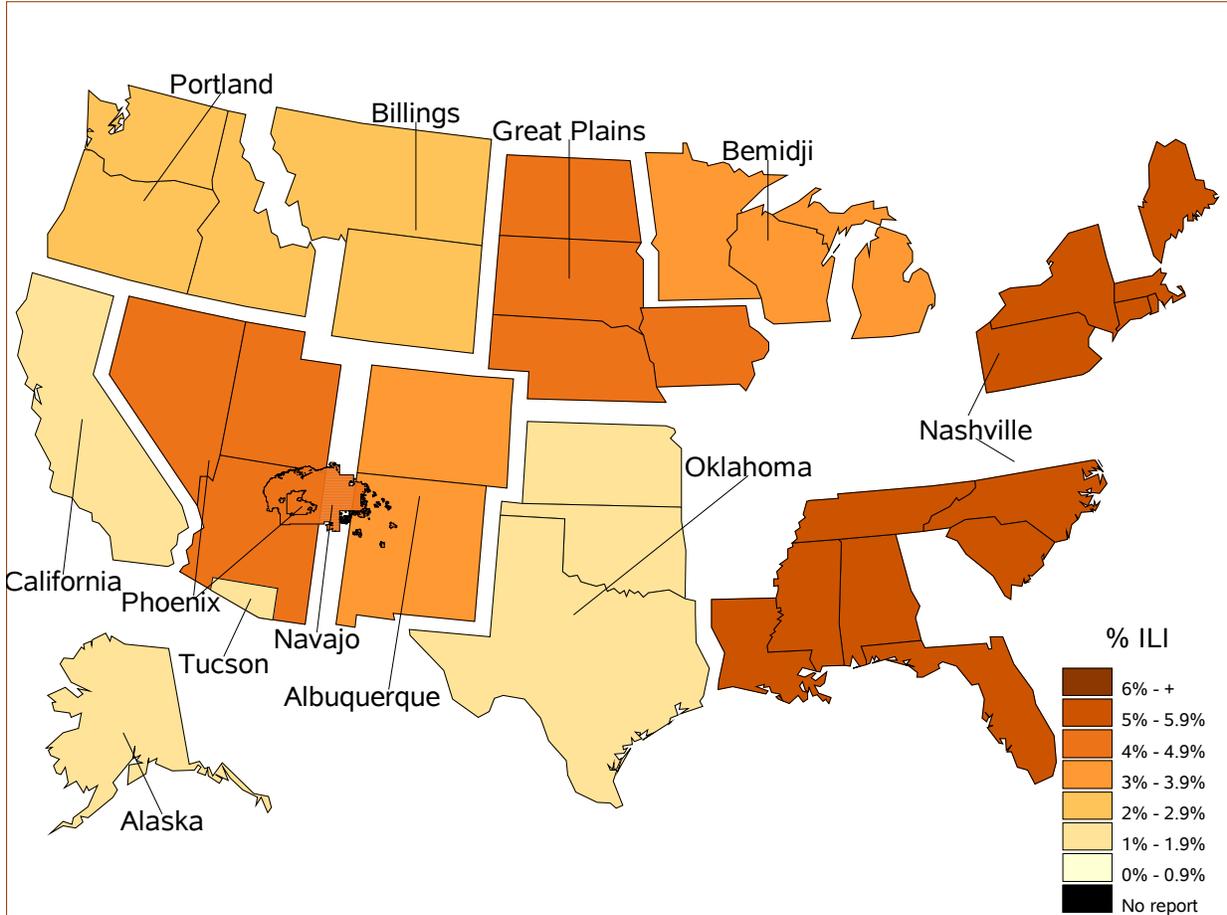
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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
 09/30/2012 to 01/26/2019



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: 04



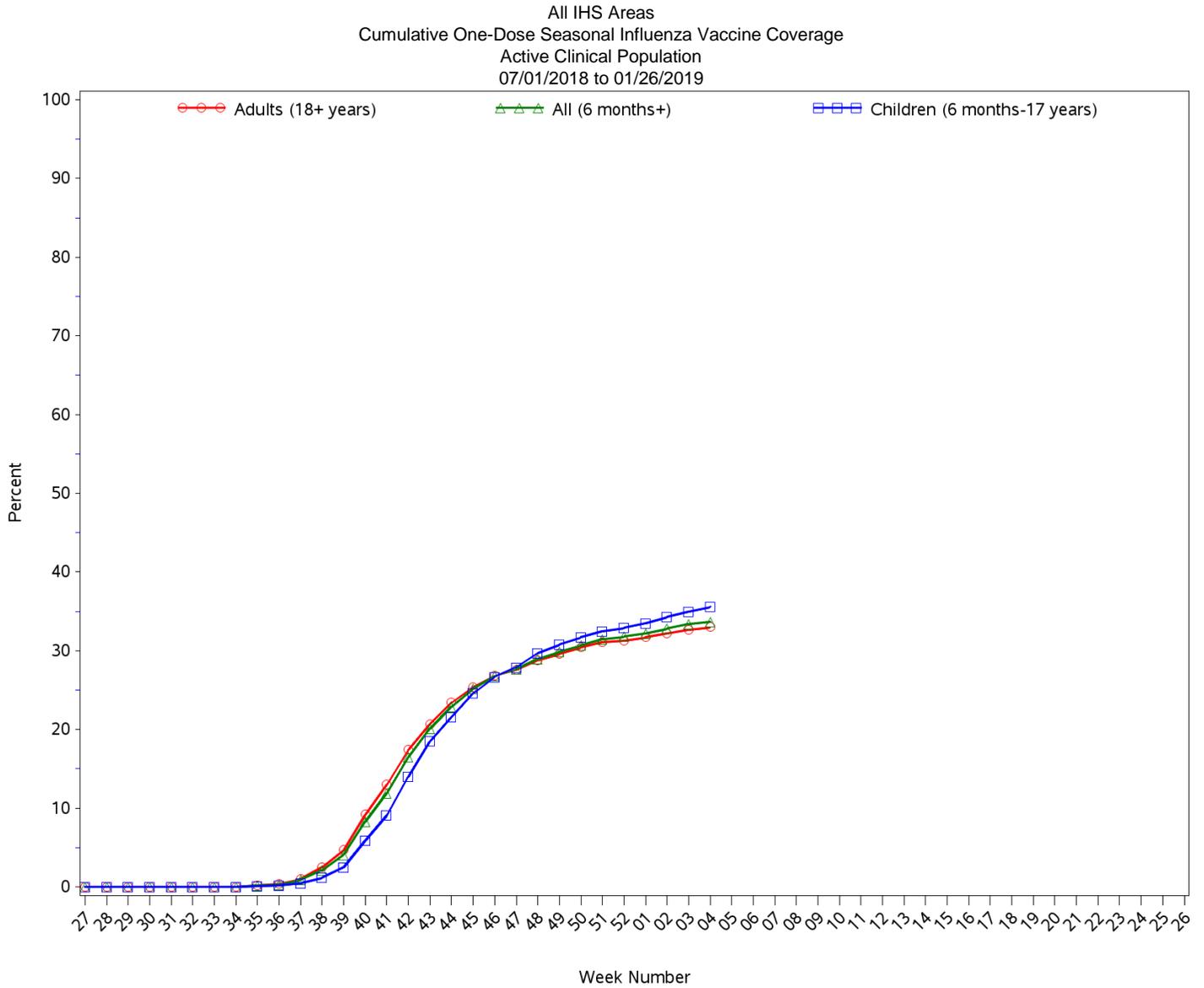
% Visits for ILI Compared to Previous Week

IHS Areas	Previous Week (3)	Current Week (4)
NATIONAL	3.2	3.6
ALASKA	0.9	1.4
ALBUQUERQUE	3.7	3.1
BEMIDJI	2.1	3.8
BILLINGS	1.8	2.2
CALIFORNIA	1.4	1.6
GREAT PLAINS	4.0	4.3
NASHVILLE	3.6	5.3
NAVAJO	4.4	4.8
OKLAHOMA	1.6	1.7
PHOENIX	3.8	4.1
PORTLAND	2.1	2.6
TUCSON	2.1	1.7

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

IHS Influenza Vaccination Surveillance

As of 01/26/2019, sites reporting to the IAS have administered 286,289 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	3,524	22	0.6	4	0.1	26
6 - 23 months	16,714	9,070	54.3	2,158	12.9	11,260
2 - 4 years	43,238	13,407	31.0	377	0.9	13,818
5 - 17 years	171,387	59,900	35.0	319	0.2	60,405
18 - 49 years	353,225	91,494	25.9	409	0.1	92,235
50 - 64 years	151,505	61,081	40.3	330	0.2	61,674
65 + years	94,203	45,211	48.0	318	0.3	45,846
Children (6 months-17 years)	231,339	82,377	35.6	2,854	1.2	85,483
Adults (18+ years)	598,933	197,786	33.0	1,057	0.2	199,755
All (6 months+)	830,272	280,163	33.7	3,911	0.5	285,238

* 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	44	333	1	25	0	2,488	409	172	1	55	10	0	0	0	13	3,551
ALB	49	277	142	32	1,521	1	10,213	7,225	593	2,064	178	32	16	0	0	100	22,443
BEM	6	52	123	11	202	39	4,354	3,032	188	336	2	61	0	0	0	38	8,444
BIL	6	144	1,264	1	241	764	11,214	3,142	233	1	5	7	4	0	0	42	17,068
CAO	35	1,196	1,442	2	556	0	3,702	1,647	329	99	465	1	95	0	0	191	9,760
GPA	20	334	1,051	6	733	0	15,033	11,614	511	572	402	82	15	0	0	140	30,513
NSA	46	193	248	5	330	13	5,252	5,325	473	497	23	30	73	0	0	265	12,773
NAV	33	358	2,563	23	658	1	46,903	19,897	1,929	2	304	39	15	0	0	129	72,854
OKC	114	2,888	1,087	10	2,076	36	28,767	9,811	1,332	2,293	56	40	4	0	0	201	48,715
PHX	15	1,625	819	41	446	0	19,736	10,707	656	1,859	11	191	3	0	0	76	36,185
POR	39	240	607	61	223	159	8,895	4,549	416	491	171	415	266	0	0	63	16,595
TUC	3	52	31	3	1	0	7,134	108	11	0	0	2	0	0	0	43	7,388
	366	7,403	9,710	196	7,012	1,013	163,691	77,466	6,843	8,215	1,672	910	491	0	0	1,301	286,289

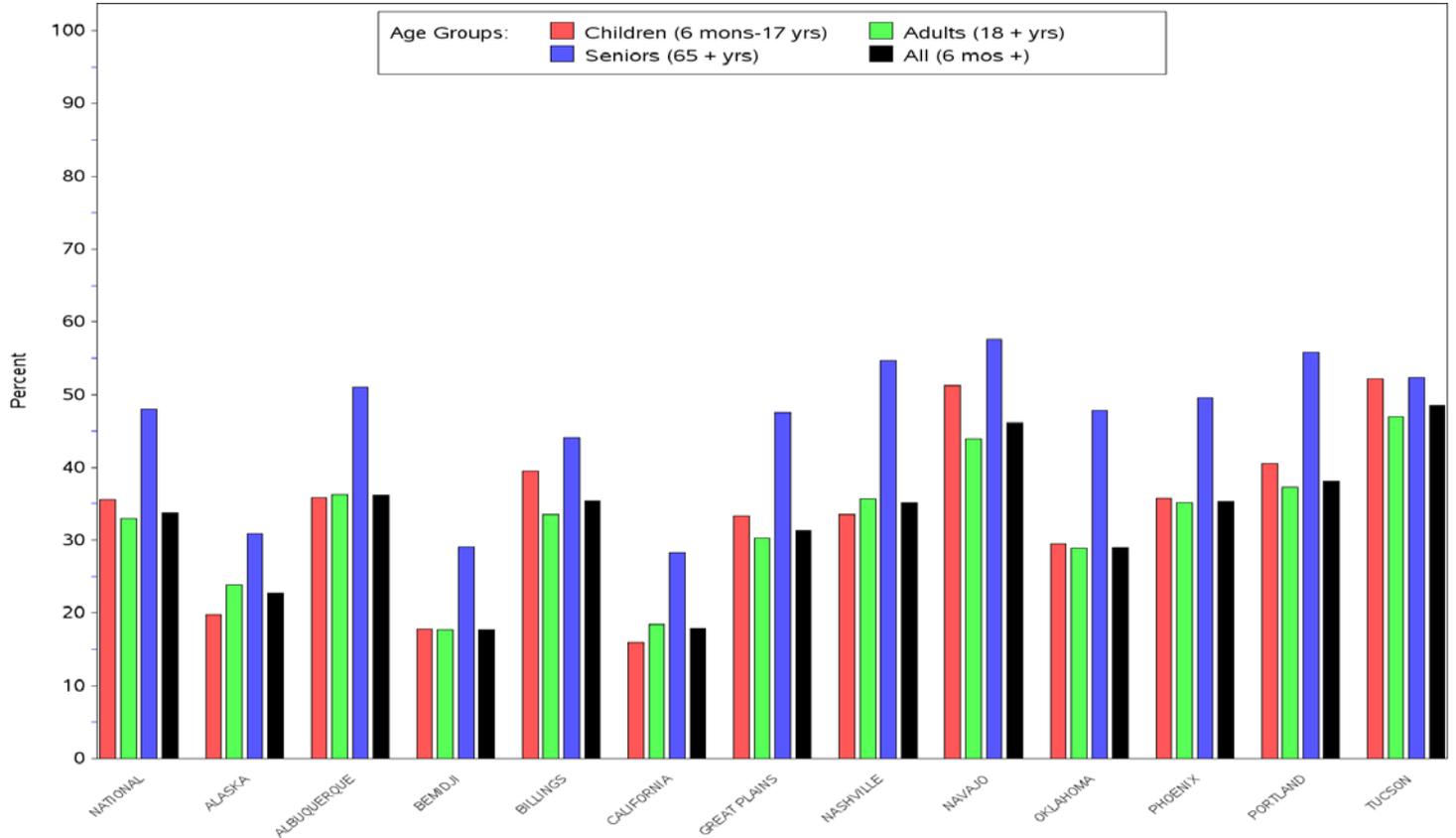
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-cclIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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 01/26/2019



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 01/26/2019

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mons+)
NATIONAL	35.6	33.0	48.0	33.7
ALASKA	19.8	23.9	30.9	22.7
ALBUQUERQUE	35.9	36.3	51.1	36.2
BEMIDJI	17.8	17.7	29.1	17.7
BILLINGS	39.5	33.6	44.1	35.4
CALIFORNIA	15.9	18.5	28.3	17.9
GREAT PLAINS	33.4	30.3	47.5	31.3
NASHVILLE	33.6	35.7	54.7	35.1
NAVAJO	51.3	43.9	57.6	46.1
OKLAHOMA	29.5	28.9	47.8	29.0
PHOENIX	35.8	35.1	49.6	35.3
PORTLAND	40.5	37.3	55.8	38.1
TUCSON	52.2	47.0	52.4	48.6

Number of RPMS Databases Reporting for Week 04,2019

IHS Area	# of RPMS Databases Reporting*	# of Facilities Reporting**
NATIONAL	133	224
ALASKA	4	22
ALBUQUERQUE	10	17
BEMIDJI	4	6
BILLINGS	12	20
CALIFORNIA	15	23
GREAT PLAINS	16	32
NASHVILLE	19	23
NAVAJO	7	18
OKLAHOMA	17	21
PHOENIX	13	21
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.