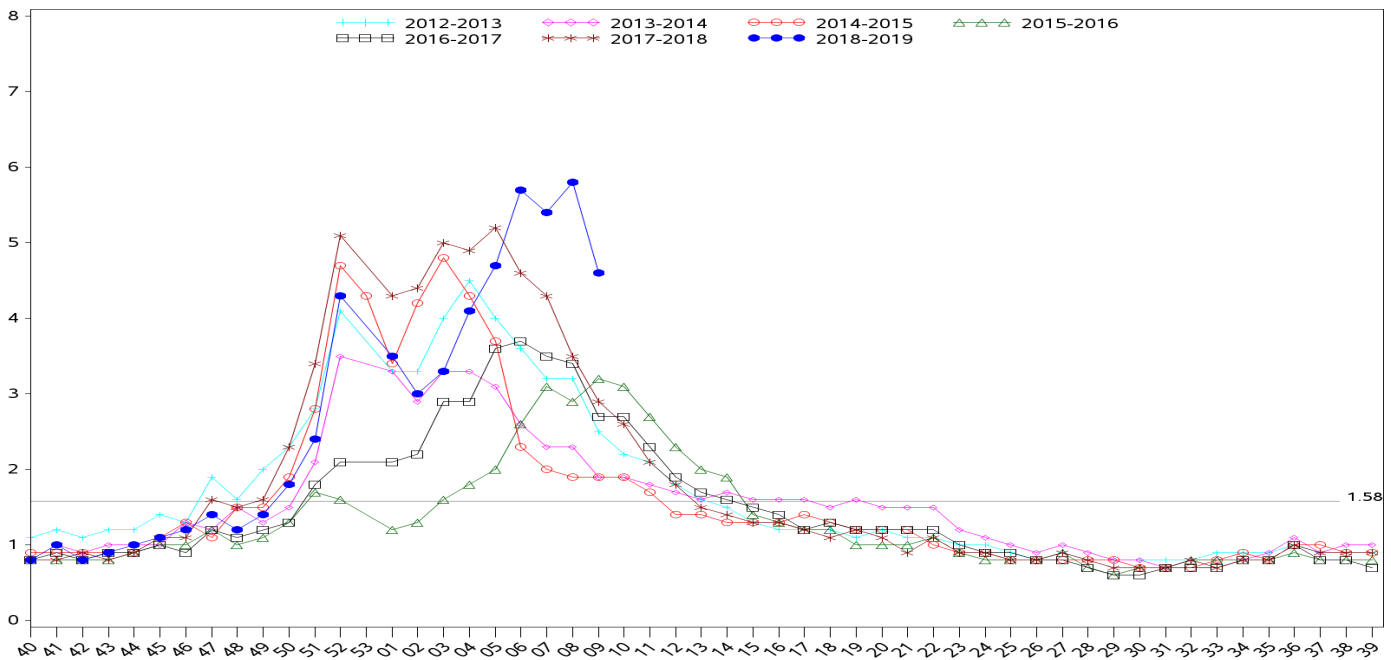




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 09: 02/24/2019 – 03/02/2019)

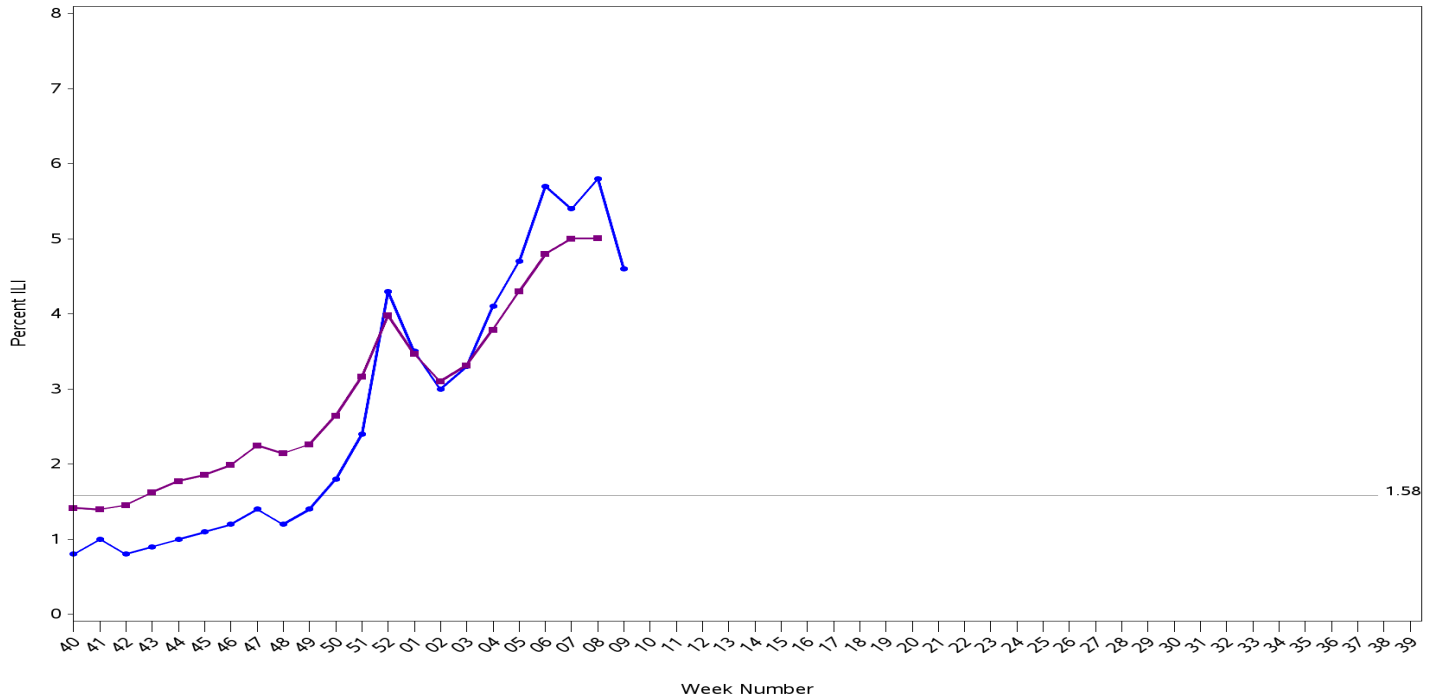
- Influenza-like-illness (ILI) activity in IHS is high at 4.6%, above the IHS baseline of 1.58%
 - All twelve IHS Areas reported having elevated ILI activity
- National ILI activity reported by CDC is high
 - CDC's ILINet ILI activity for week 08 was 5.0% and is above the ILINet baseline (2.2%) and the IHS baseline (1.58%).
- To date, IHS has administered 304,000 doses of influenza vaccine.
- Overall, 35.0% 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
09/30/2012 to 03/02/2019



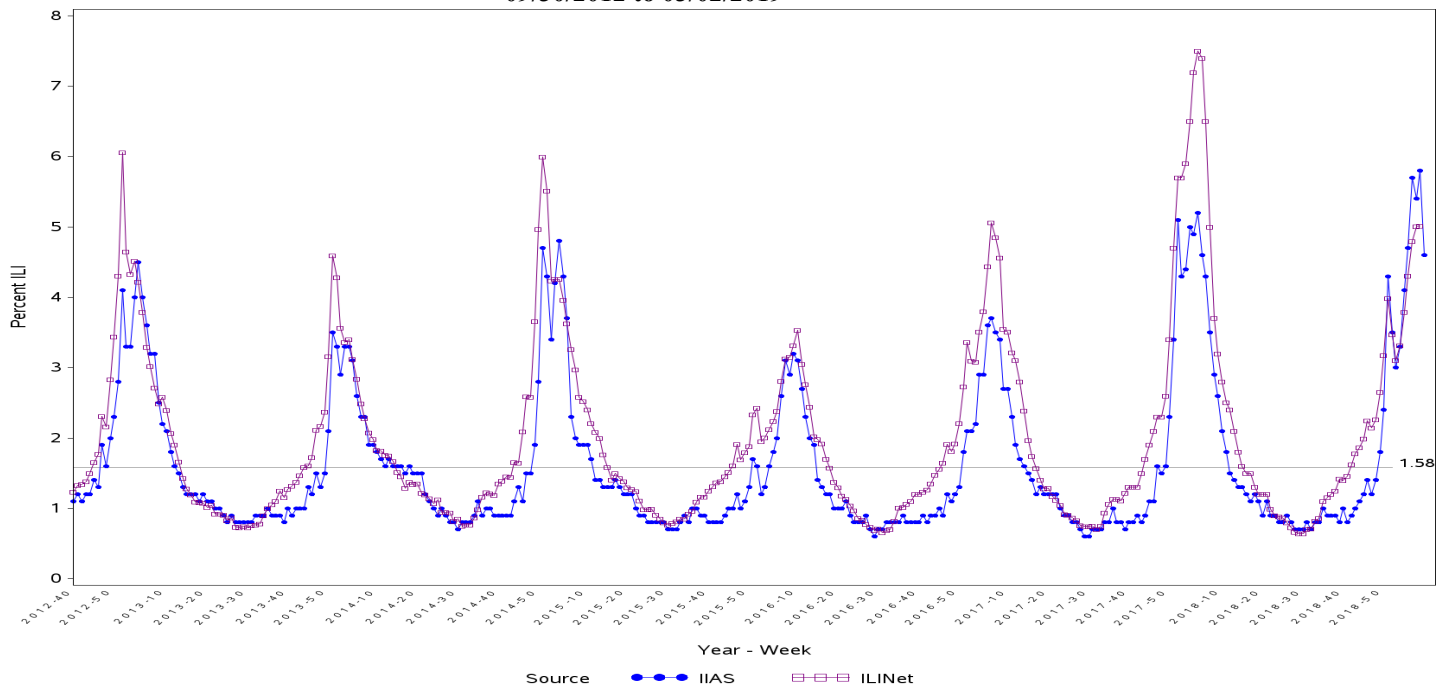
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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
09/30/2018 to 03/02/2019



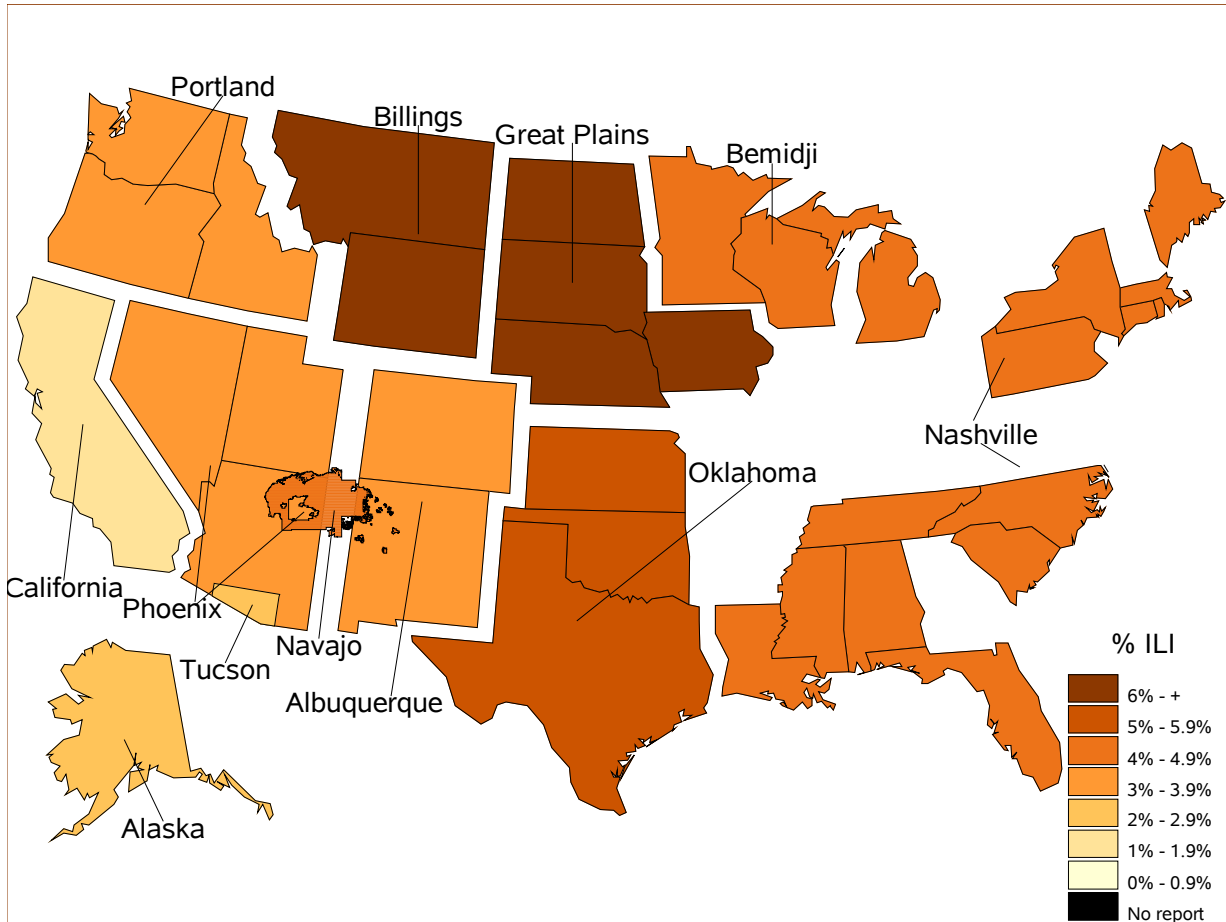
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2018-2019 IIAS baseline. The ILINet baseline value for 2018-2019 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 03/02/2019



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: 09**



Percentage of Visits for ILI Compared to Previous Week

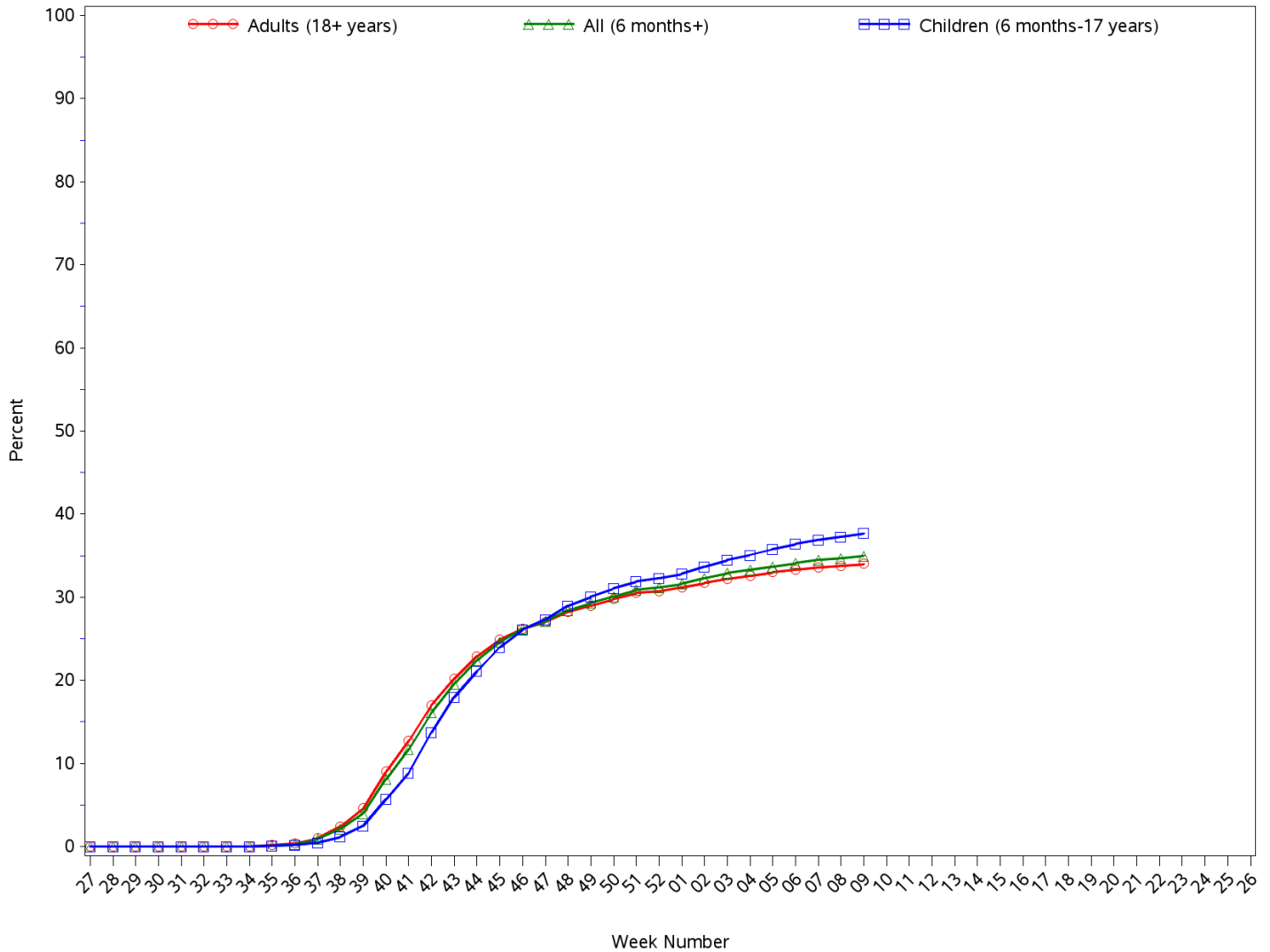
IHS Areas	Previous Week (8)	Current Week (9)
NATIONAL	5.8	4.6
ALASKA	7.8	2.9
ALBUQUERQUE	3.8	3.4
BEMIDJI	6.4	4.4
BILLINGS	8.5	6.7
CALIFORNIA	2.0	1.7
GREAT PLAINS	6.9	6.3
NASHVILLE	7.8	4.5
NAVAJO	7.3	4.6
OKLAHOMA	5.4	5.3
PHOENIX	3.8	3.4
PORTLAND	3.3	3.7
TUCSON	2.5	2.5

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

IHS Influenza Vaccination Surveillance

As of 03/02/2019, sites reporting to the IIAS have administered 304,187 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 03/02/2019



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	3,608	34	0.9	4	0.1	38
6 - 23 months	16,974	10,424	61.4	3,144	18.5	13,610
2 - 4 years	44,307	14,863	33.5	545	1.2	15,447
5 - 17 years	175,901	64,130	36.5	393	0.2	64,734
18 - 49 years	361,449	97,508	27.0	486	0.1	98,365
50 - 64 years	154,650	63,924	41.3	375	0.2	64,582
65 + years	96,331	46,761	48.5	357	0.4	47,449
Children (6 months-17 years)	237,182	89,417	37.7	4,082	1.7	93,791
Adults (18+ years)	612,430	208,193	34.0	1,218	0.2	210,396
All (6 months+)	849,612	297,610	35.0	5,300	0.6	304,187

* 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-cc14pf	CVX 185 FLU-RIV4	CVX 186 FLU-cc14	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	0	48	361	3	30	0	2,670	425	205	1	55	10	0	0	0	15	3,823
ALB	49	293	142	43	1,639	1	11,172	7,549	705	2,121	180	37	17	0	0	114	24,062
BEM	6	53	128	11	230	39	4,468	3,153	229	336	2	68	0	0	0	40	8,763
BIL	7	172	1,291	1	251	791	12,207	3,378	302	1	5	7	4	0	0	48	18,465
CAO	51	1,270	1,490	3	618	0	4,069	1,756	372	103	503	1	124	0	0	176	10,536
GPA	20	348	1,069	6	796	0	15,967	12,275	567	598	407	91	15	0	0	141	32,300
NSA	52	201	251	5	344	13	5,567	5,490	508	505	25	32	73	0	0	274	13,340
NAV	37	420	2,644	24	719	2	49,690	20,646	2,193	3	324	47	16	0	0	138	76,903
OKC	121	3,174	1,129	11	2,284	37	31,338	10,345	1,370	2,344	68	41	5	0	0	207	52,474
PHX	18	1,717	833	41	470	0	21,681	11,275	770	1,922	13	191	3	0	0	95	39,029
POR	40	253	611	69	248	160	9,439	4,842	481	495	187	417	278	0	0	68	17,588
TUC	3	56	34	4	1	0	7,736	108	12	0	0	4	0	0	0	44	8,002
	404	8,005	9,983	221	7,630	1,043	176,004	81,242	7,714	8,429	1,769	946	535	0	0	1,360	305,285

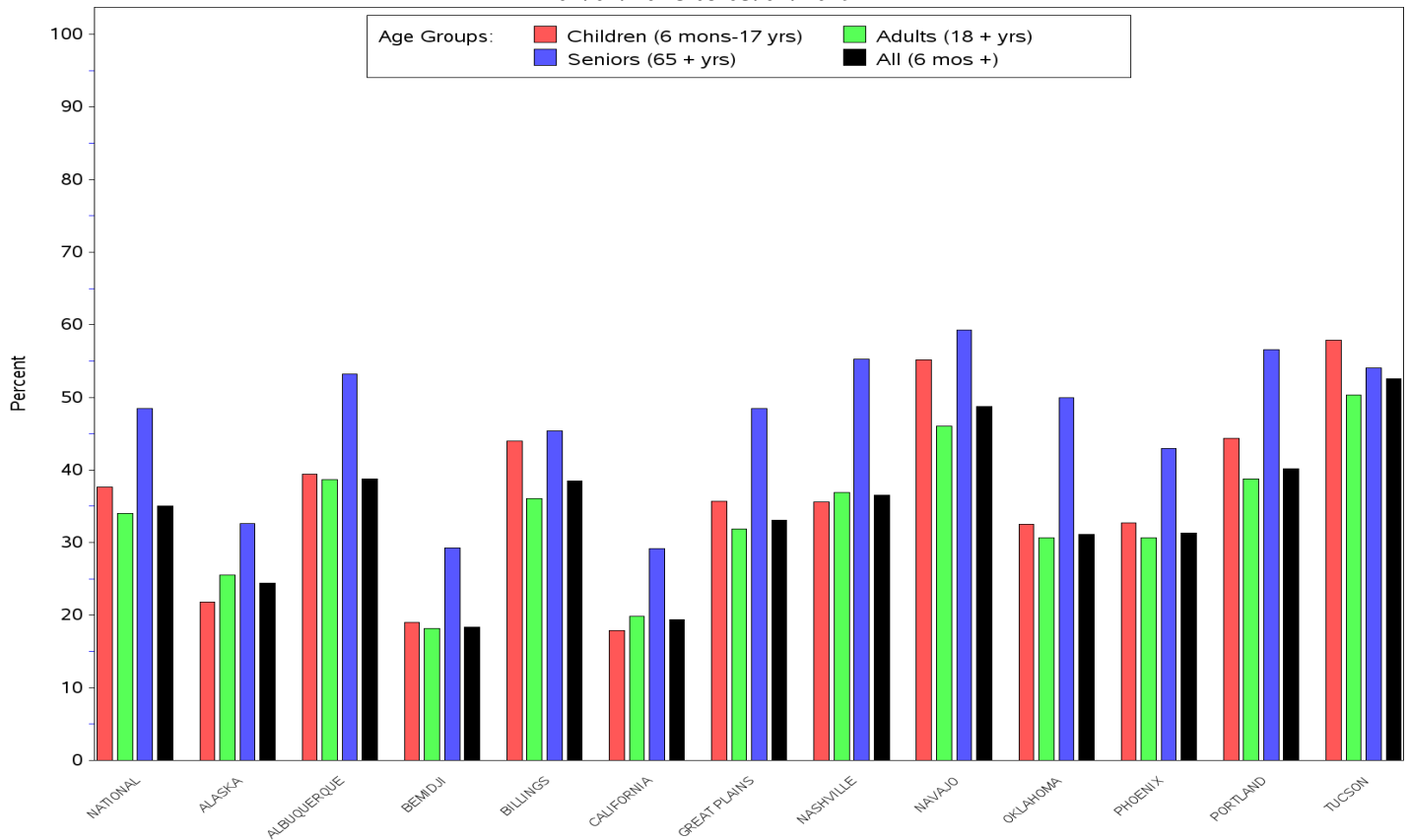
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 144 (FLU-DERMAL), 151 (FLU-NasNOS), 153 (FLU-ccIIV3), 155 (FLU-RIV3), 160 (H5N1, adj) and 166 (FLU-DERM4) should not be used to document flu vaccines given this flu season.

** 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
07/01/2018 to 03/02/2019



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 03/02/2019

Area	Children (6 mons-17 yrs)	Adults (18+ yrs)	Seniors (65+ yrs)	All (6 mos+)
NATIONAL	37.7	34.0	48.5	35.0
ALASKA	21.8	25.5	32.6	24.4
ALBUQUERQUE	39.4	38.7	53.2	38.8
BEMIDJI	19.0	18.2	29.3	18.4
BILLINGS	44.0	36.1	45.4	38.5
CALIFORNIA	17.9	19.9	29.2	19.4
GREAT PLAINS	35.7	31.9	48.5	33.1
NASHVILLE	35.6	36.9	55.3	36.5
NAVAJO	55.2	46.0	59.3	48.7
OKLAHOMA	32.5	30.7	50.0	31.1
PHOENIX	32.7	30.7	43.0	31.3
PORTLAND	44.4	38.8	56.6	40.2
TUCSON	57.9	50.3	54.1	52.6

Number of RPMS Databases Reporting for Week 09, 2019

IHS Area	# of RPMS Databases Reporting*	# of Facilities Reporting**
NATIONAL	132	224
ALASKA	4	25
ALBUQUERQUE	10	16
BEMIDJI	4	6
BILLINGS	12	19
CALIFORNIA	14	23
GREAT PLAINS	16	30
NASHVILLE	20	24
NAVAJO	7	19
OKLAHOMA	16	20
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.