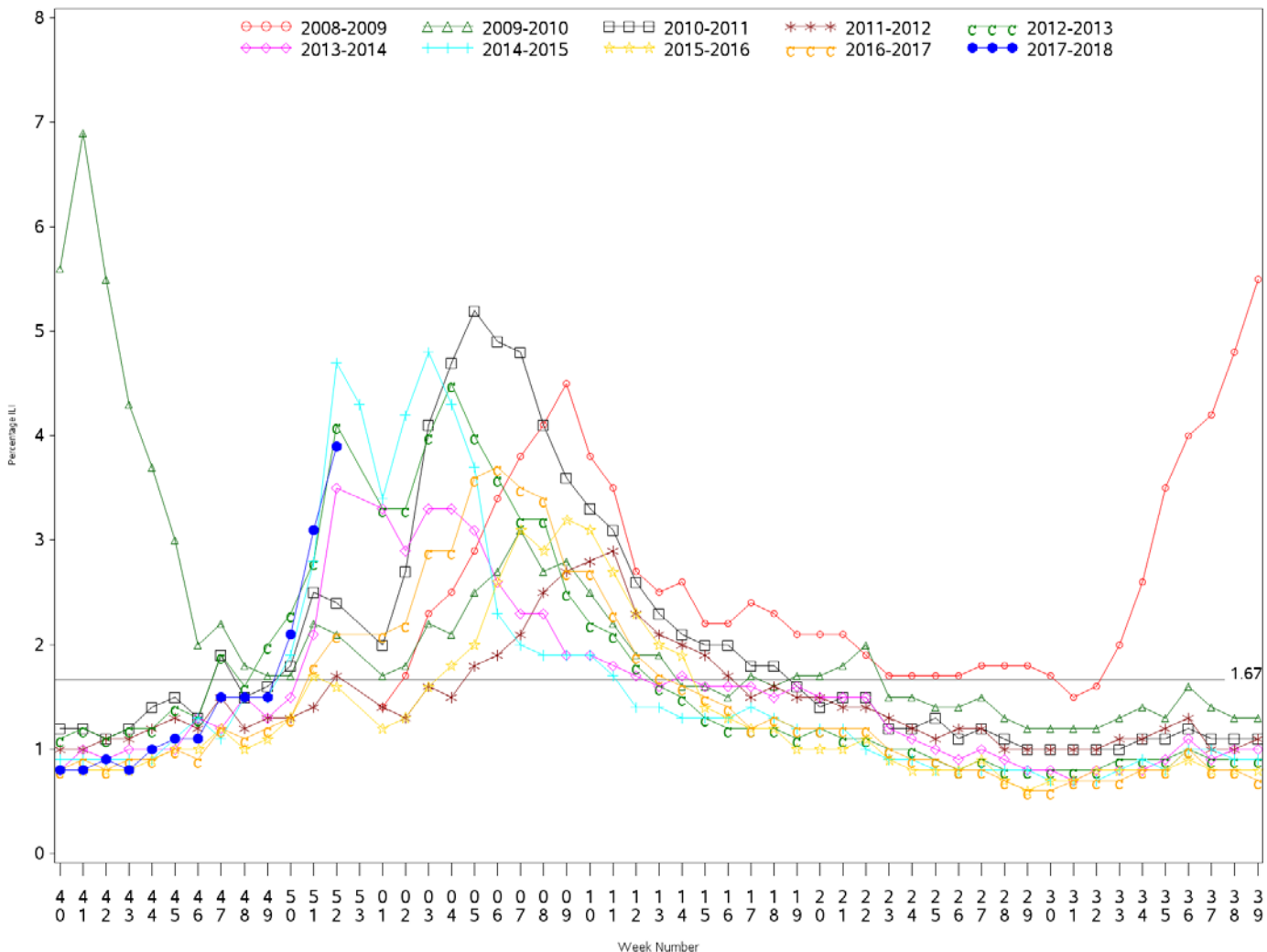




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 52: 12/24/2017 – 12/30/2017)

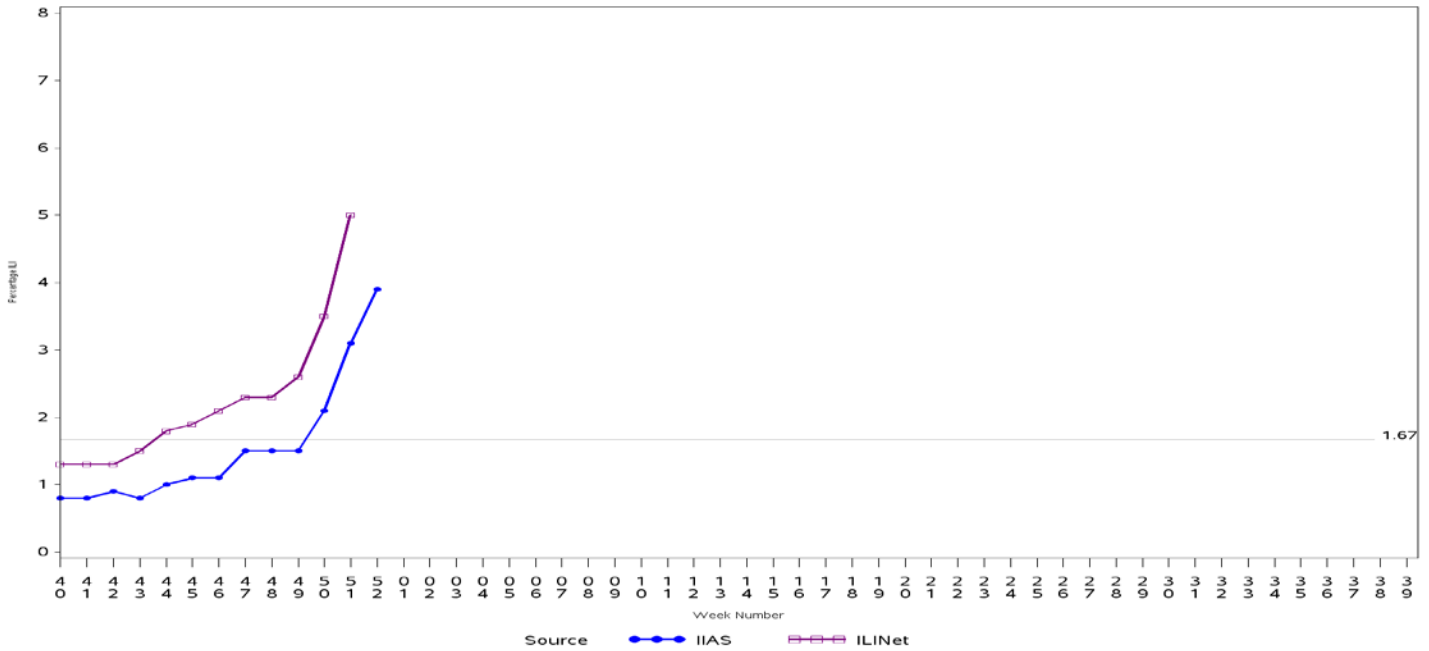
- Influenza-like-illness (ILI) activity in IHS is increasing and is at 3.9%, above the IHS baseline of 1.67%
 - All IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is increasing in a majority of US states
 - CDC's ILINet ILI activity is 5.0%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 280,000 doses of influenza vaccine.
- Overall, 29.5% of the IHS Active Clinical population received an influenza vaccine this season.

Percentage of Visits for Influenza-Like Illness (ILI) per week
 All IHS Areas, All Surveillance Years
 01/04/09 to 12/30/2017



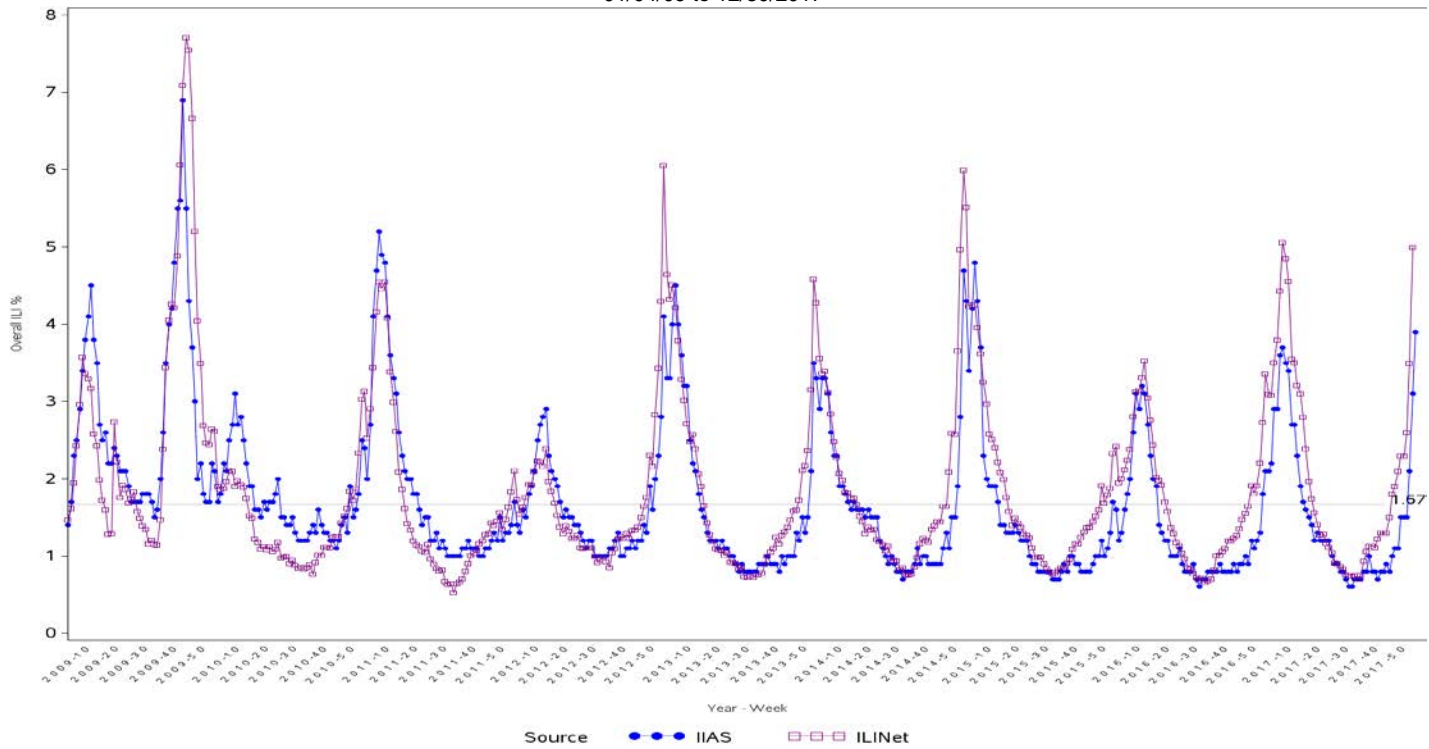
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI) for Flu Year 2017-2018
 IIAS vs. ILINet
 10/01/17 to 12/30/2017



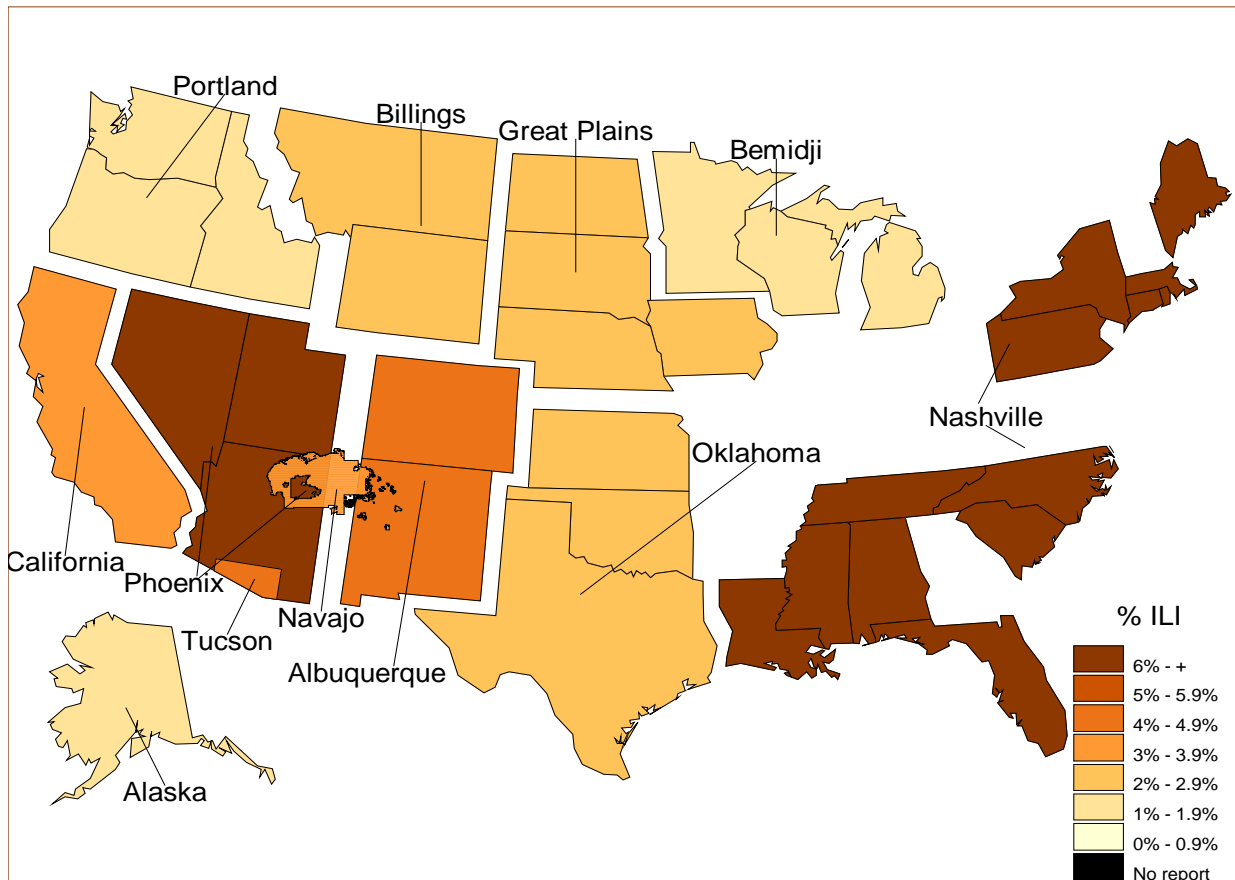
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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) per week for All Surveillance Years - Continuous
 IIAS vs. ILINet
 01/04/09 to 12/30/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 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: 52



% Visits for ILI Compared to Previous Week

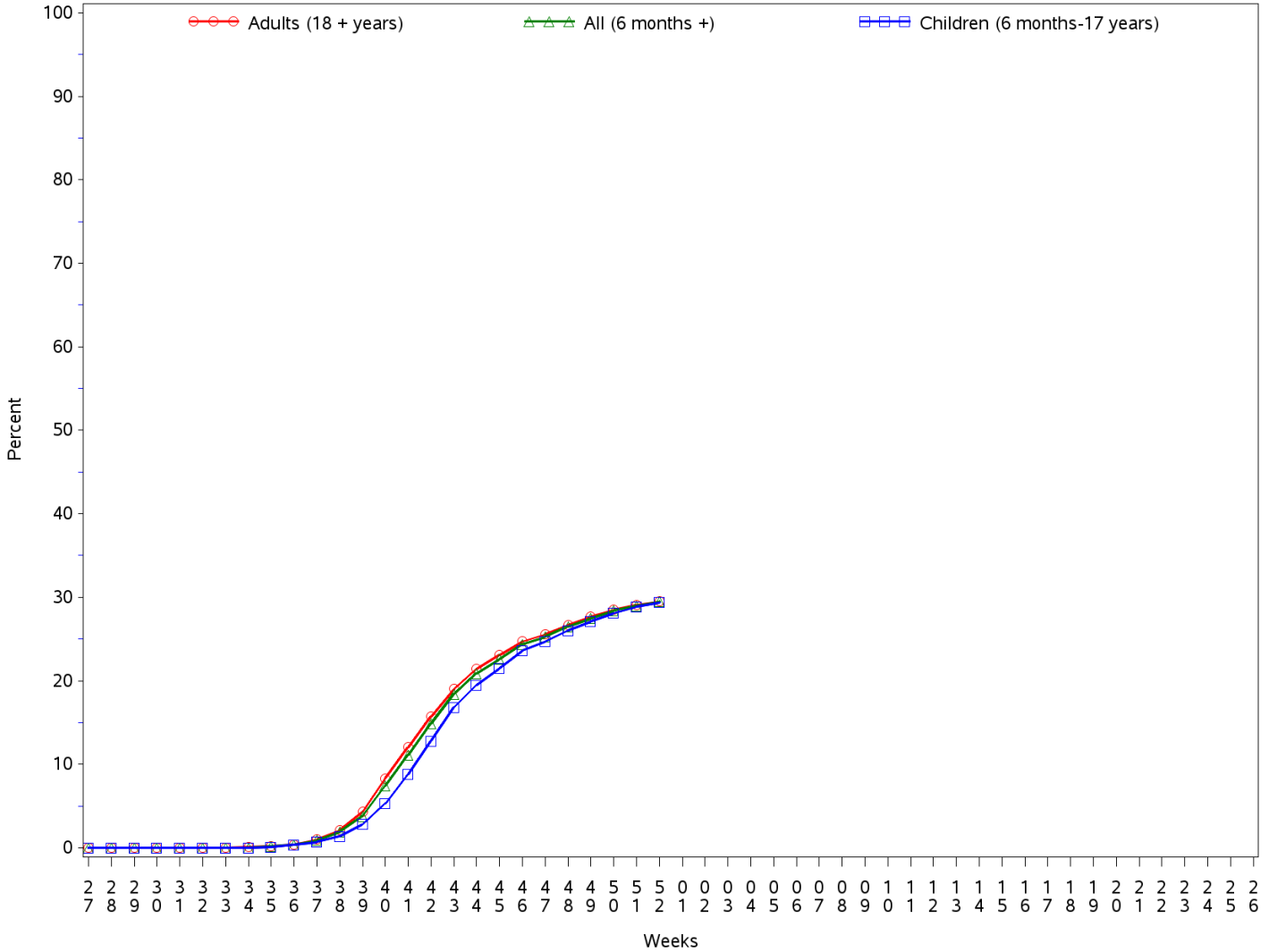
IHS Areas	% in Week 51	% in Week 52
NATIONAL	3.1	3.9
ALASKA	1.6	1.1
ALBUQUERQUE	4.2	4.9
BEMIDJI	0.7	1.8
BILLINGS	2.3	2.3
CALIFORNIA	1.3	3.1
GREAT PLAINS	1.5	2.1
NASHVILLE	8.2	6.3
NAVAJO	3.1	3.8
OKLAHOMA	1.8	2.1
PHOENIX	5.6	7.8
PORTLAND	0.7	1.2
TUCSON	3.3	4.2

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

IHS Influenza Vaccination Surveillance

- As of 12/30/2017, sites reporting to the IIAS have administered 280,154 doses (1st and 2nd) of seasonal influenza vaccine to Active Clinical patients.

Cumulative One-Dose Seasonal Influenza Vaccine Coverage
Active Clinical Population
All IHS Areas
07/02/17 to 12/30/2017



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	4,241	35	0.8	0	0.0	35
6 - 23 months	20,433	8,994	44.0	1,544	7.6	10,555
2 - 4 years	51,283	12,779	24.9	236	0.5	13,037
5 - 17 years	195,701	56,766	29.0	261	0.1	57,161
18 - 49 years	400,520	89,669	22.4	393	0.1	90,344
50 - 64 years	169,249	61,926	36.6	269	0.2	62,394
65 + years	100,815	46,122	45.7	280	0.3	46,663
Children (6 months-17 years)	267,417	78,539	29.4	2,041	0.8	80,753
Adults (18 + years)	670,584	197,717	29.5	942	0.1	199,401
All (6 months +)	938,001	276,256	29.5	2,983	0.3	280,154

* Limited to sites that exported both doses administered and 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, doses deduplicated.

**** 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-LAIV 4	CVX 150 FLU-IIV4pf	CVX 155 FLU-RIV3	CVX 158 FLU-IIV4	CVX 161 IIV4pf ped	CVX 166 FLU-DERM4	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	1	24	350	3	78	0	4,187	0	1,070	393	2	0	44	0	0	0	0	37	6,189
ALB	0	177	1,749	39	981	0	10,397	15	7,574	818	945	1	8	45	6	0	0	55	22,810
BEM	1	91	370	5	351	0	4,012	1	4,325	214	6	0	5	35	0	0	0	45	9,461
BIL	0	61	1,370	4	128	0	9,792	4	2,346	292	126	0	132	256	1	0	0	78	14,590
CAO	1	358	1,581	55	1,278	0	6,340	1	3,892	337	68	0	616	0	0	0	0	172	14,699
GPA	1	269	1,438	5	1,056	1	15,419	5	9,047	1,534	3	3	152	22	6	0	0	90	29,051
NSA	1	112	336	19	358	0	4,258	4	5,120	281	433	1	81	14	3	0	0	181	11,202
NAV	6	243	1,944	14	1,501	0	23,258	8	41,035	1,831	605	1	15	50	17	0	0	139	70,667
OKC	6	1,626	3,048	5	2,066	2	9,972	11	20,976	2,096	427	0	1,645	15	32	0	0	65	41,992
PHX	0	736	1,673	2	404	0	18,267	12	11,310	506	4	2	11	5	0	0	0	112	33,044
POR	5	260	1,426	289	416	0	7,048	20	7,913	535	870	64	880	245	12	0	0	150	20,133
TUC	0	27	27	18	1	0	6,565	0	74	29	0	0	0	0	0	0	0	32	6,773
	22	3,984	15,312	458	8,618	3	119,515	81	114,682	8,866	3,489	72	3,589	687	77	0	0	1,156	280,611

* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season.

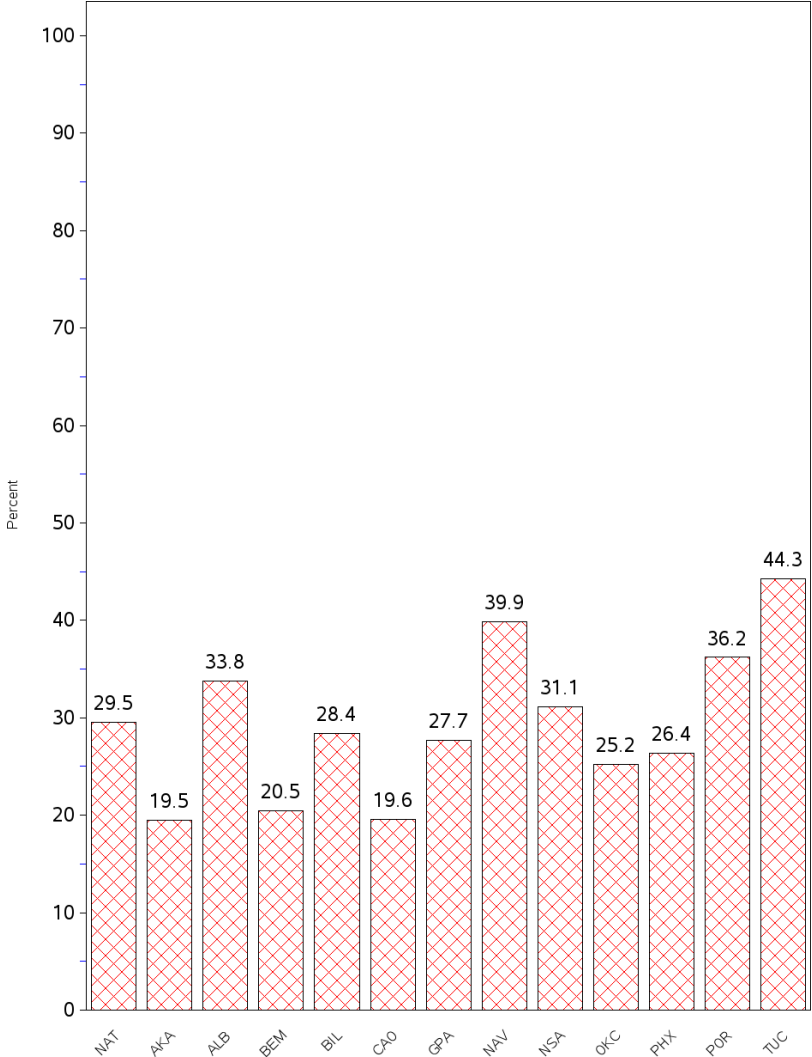
Doses are NOT deduplicated.

** 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.

Influenza Vaccine Coverage by Age Groups – All (6 months and older)
Active Clinical Population
All IHS Areas
07/02/17 to 12/30/2017



- 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	151	274
ALASKA	5	41
ALBUQUERQUE	12	20
BEMIDJI	6	10
BILLINGS	11	22
CALIFORNIA	19	33
GREAT PLAINS	17	32
NASHVILLE	19	23
NAVAJO	8	21
OKLAHOMA	18	22
PHOENIX	14	21
PORTLAND	21	25
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.