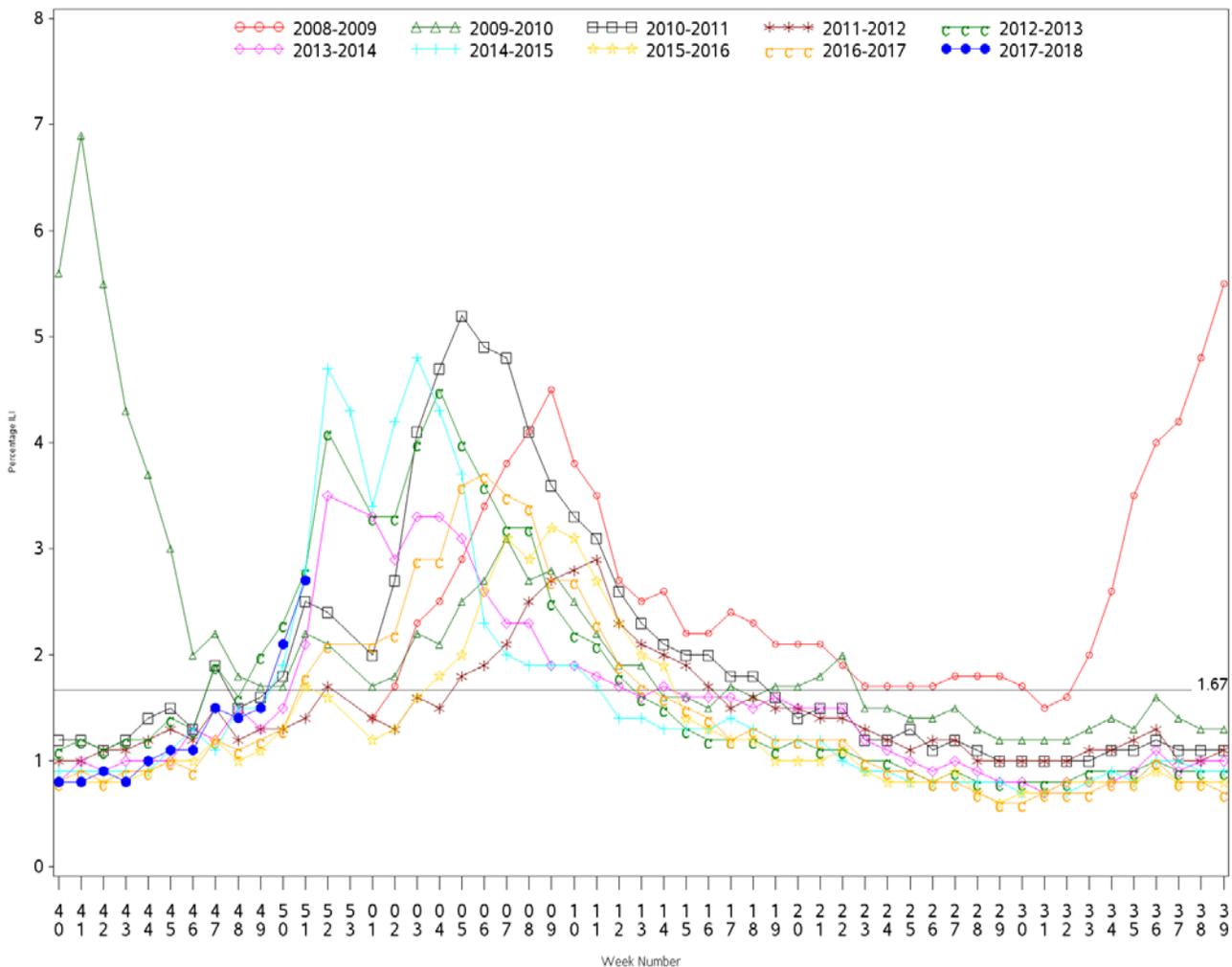




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 51: 12/17/2017 – 12/23/2017)

- Influenza-like-illness (ILI) activity in IHS is increasing and is at 2.7%, above the IHS baseline of 1.67%
 - Ten 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 3.5%, above the ILINet baseline (2.2%) and the IHS baseline (1.67%).
- To date, IHS has administered over 274,000 doses of influenza vaccine.
- Overall, 28.9% of the IHS Active Clinical population received an influenza vaccine this season.

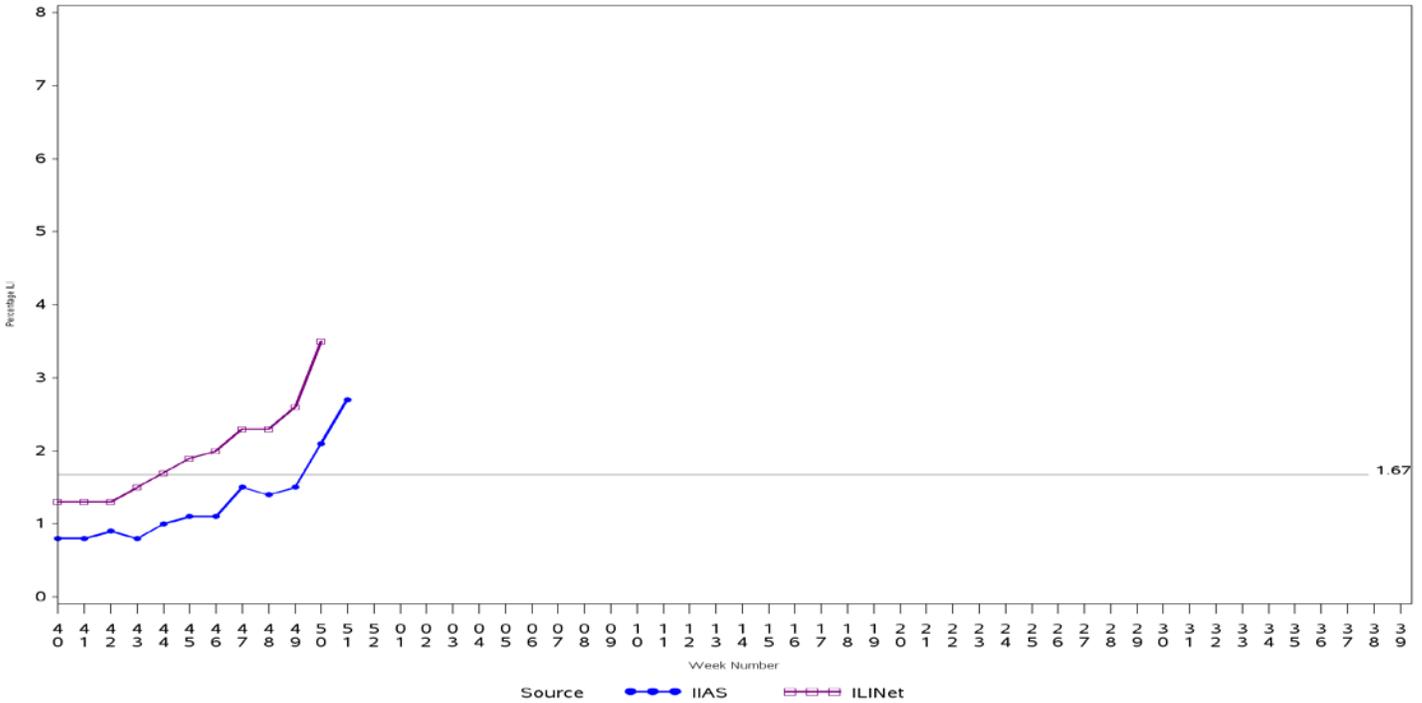
Percentage of Visits for Influenza-Like Illness (ILI) per week
 All IHS Areas, All Surveillance Years
 01/04/09 to 12/23/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

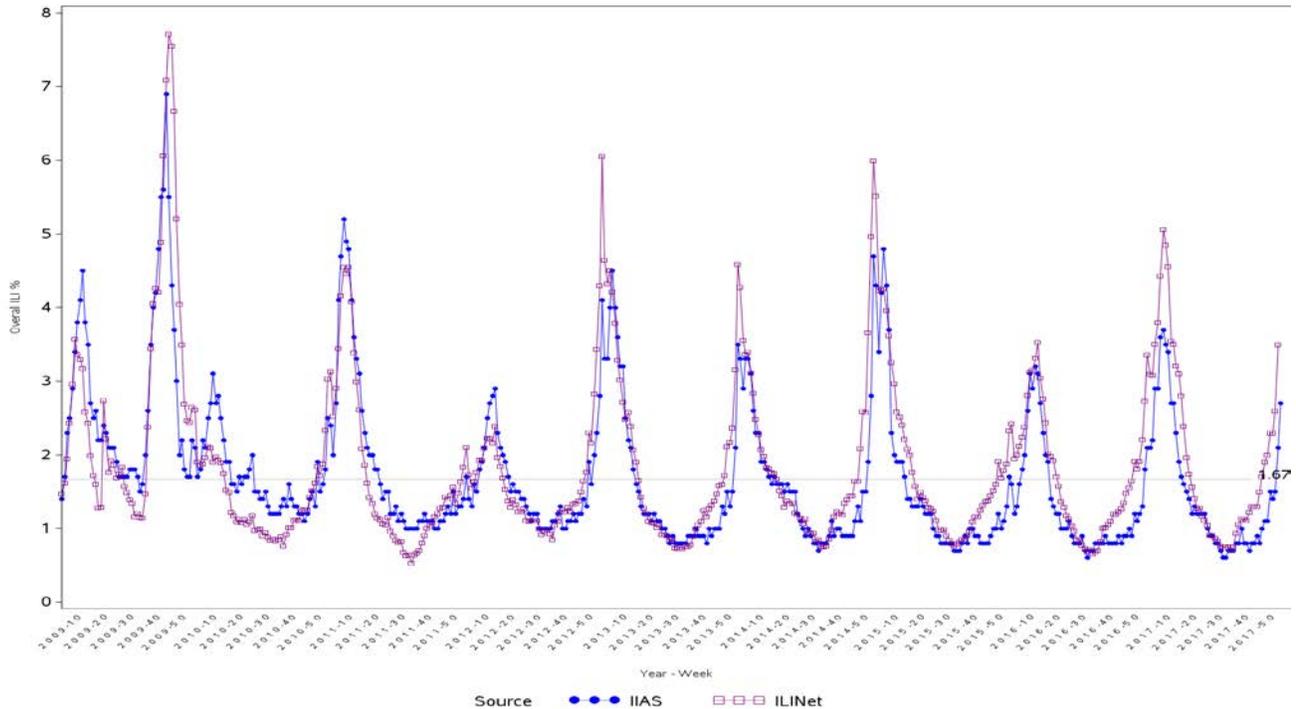
The horizontal line represents the 2017-2018 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI) for Flu Year 2017-2018
 IIAS vs. ILINet
 10/01/17 to 12/23/2017



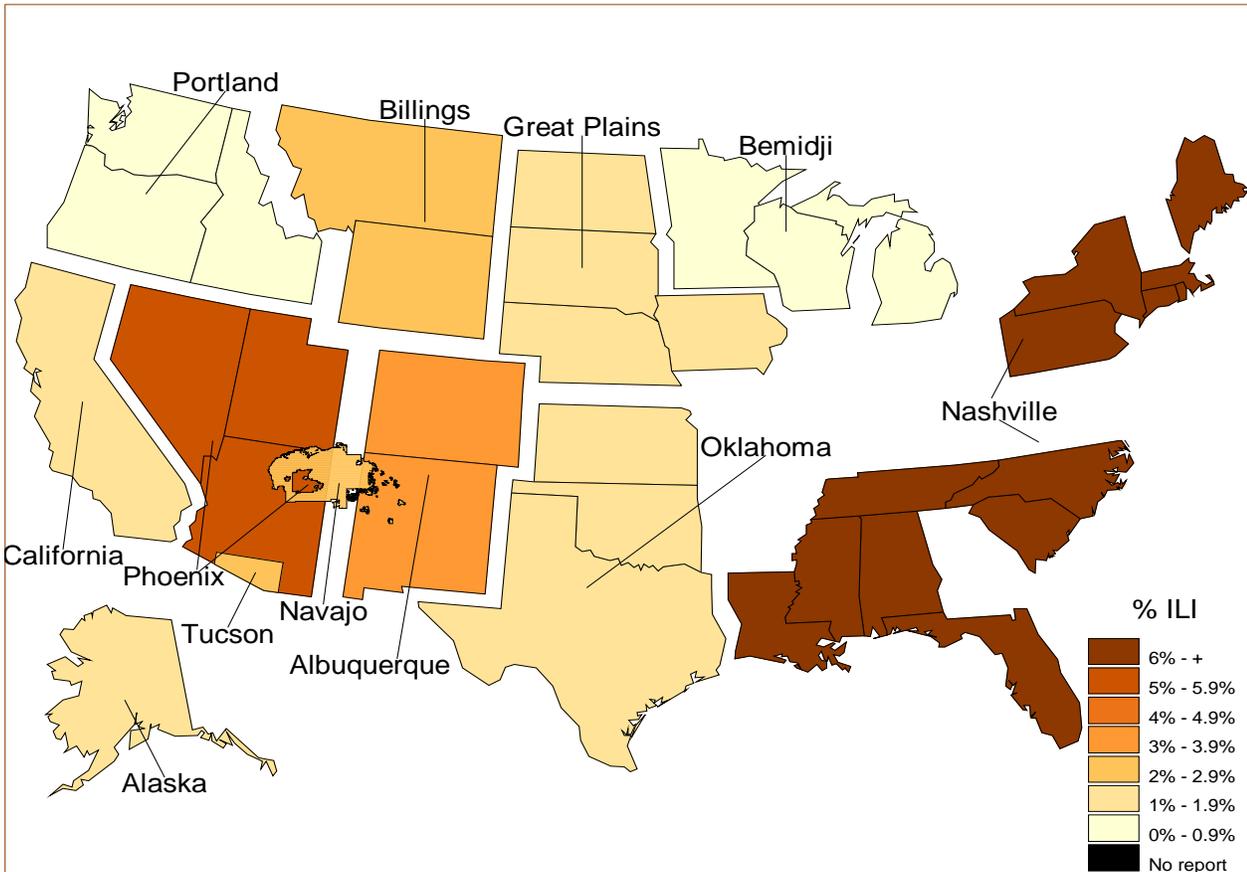
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2017-2018 IIAS baseline. The ILINet baseline value for 2017-2018 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 12/23/2017



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 IHS Region
For Week: 51



% Visits for ILI Compared to Previous Week

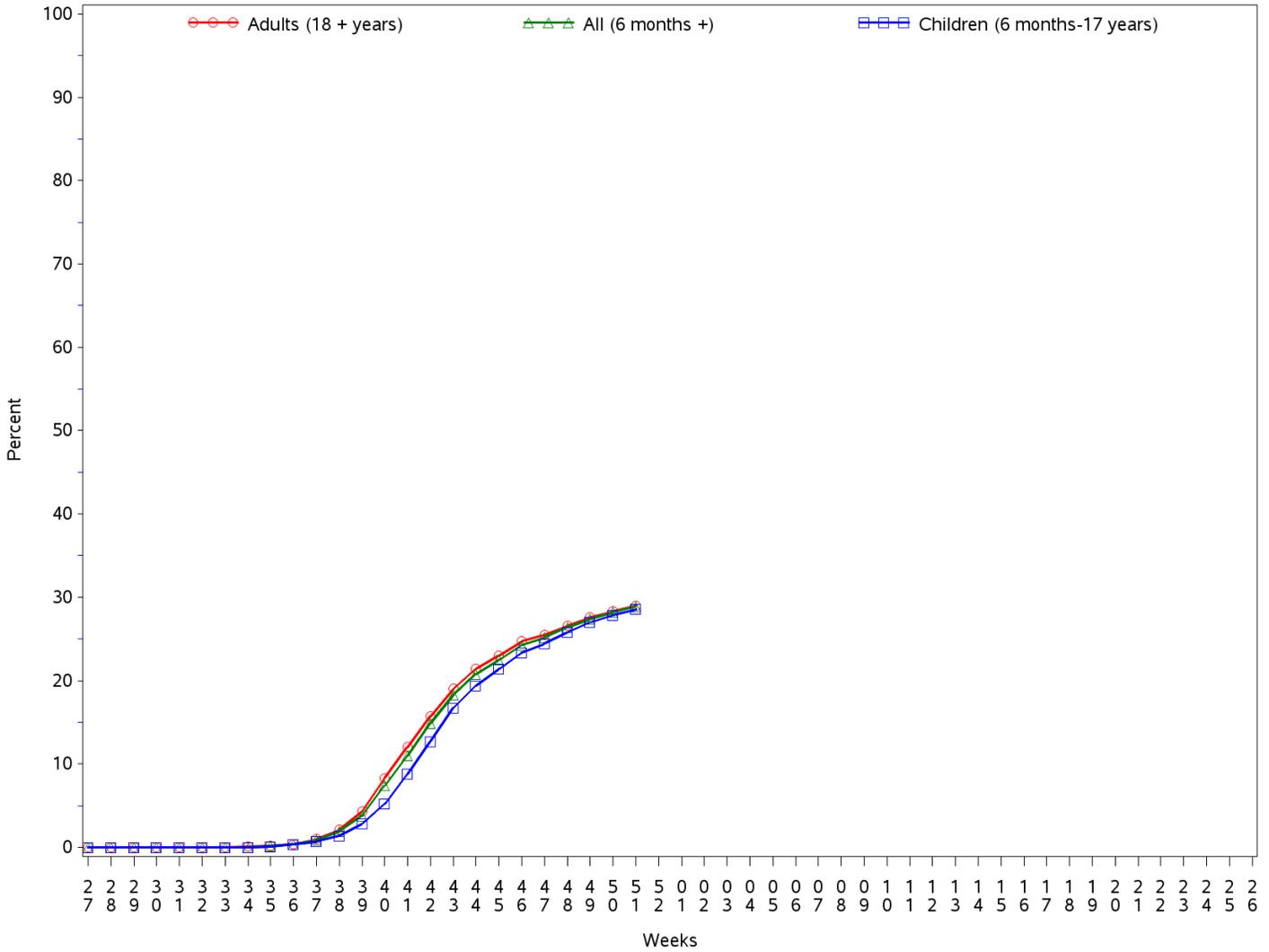
IHS Areas	% in Week 50	% in Week 51
NATIONAL	2.1	2.7
ALASKA	1.0	1.2
ALBUQUERQUE	3.2	3.9
BEMIDJI	0.6	0.6
BILLINGS	2.1	2.0
CALIFORNIA	0.5	1.3
GREAT PLAINS	1.4	1.4
NASHVILLE	5.4	7.9
NAVAJO	1.8	2.4
OKLAHOMA	1.6	1.6
PHOENIX	3.5	5.3
PORTLAND	1.1	0.7
TUCSON	1.1	2.9

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

IHS Influenza Vaccination Surveillance

- As of 12/23/2017, sites reporting to the IIAS have administered 274,927 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 12/23/2017



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	4,338	35	0.8	0	0.0	35
6 - 23 months	20,636	8,700	42.2	1,413	6.8	10,130
2 - 4 years	51,338	12,441	24.2	220	0.4	12,683
5 - 17 years	196,148	55,656	28.4	249	0.1	56,037
18 - 49 years	401,010	87,948	21.9	384	0.1	88,611
50 - 64 years	169,208	60,950	36.0	260	0.2	61,403
65 + years	100,503	45,526	45.3	277	0.3	46,063
Children (6 months-17 years)	268,122	76,797	28.6	1,882	0.7	78,850
Adults (18 + years)	670,721	194,424	29.0	921	0.1	196,077
All (6 months +)	938,843	271,221	28.9	2,803	0.3	274,927

* 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	23	349	3	74	0	4,120	0	1,058	375	2	0	44	0	0	0	0	35	6,084
ALB	0	168	1,730	39	943	0	10,163	15	7,475	802	927	1	7	43	6	0	0	56	22,375
BEM	1	90	370	5	312	0	3,964	1	4,295	212	6	0	5	35	0	0	0	45	9,341
BIL	0	58	1,360	4	126	0	9,617	4	2,313	278	125	0	132	254	1	0	0	78	14,350
CAO	1	357	1,556	45	1,256	0	6,213	1	3,751	324	63	0	608	0	0	0	0	176	14,351
GPA	1	258	1,427	5	1,026	1	15,154	5	8,920	1,489	3	3	144	22	6	0	0	88	28,552
NSA	1	111	332	19	352	0	4,199	4	5,071	274	429	1	81	14	3	0	0	177	11,068
NAV	6	230	1,915	13	1,447	0	22,650	8	40,280	1,732	584	1	14	49	17	0	0	134	69,080
OKC	6	1,577	3,015	5	2,004	2	9,860	11	20,774	2,038	420	0	1,592	14	32	0	0	65	41,415
PHX	0	710	1,654	2	397	0	17,888	12	11,134	487	3	2	11	5	0	0	0	113	32,418
POR	4	258	1,397	287	411	0	6,860	20	7,811	531	852	64	850	245	11	0	0	144	19,745
TUC	0	27	26	18	1	0	6,388	0	73	29	0	0	0	0	0	0	0	31	6,593
	21	3,867	15,131	445	8,349	3	117,076	81	112,955	8,571	3,414	72	3,488	681	76	0	0	1,142	275,372

* 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.

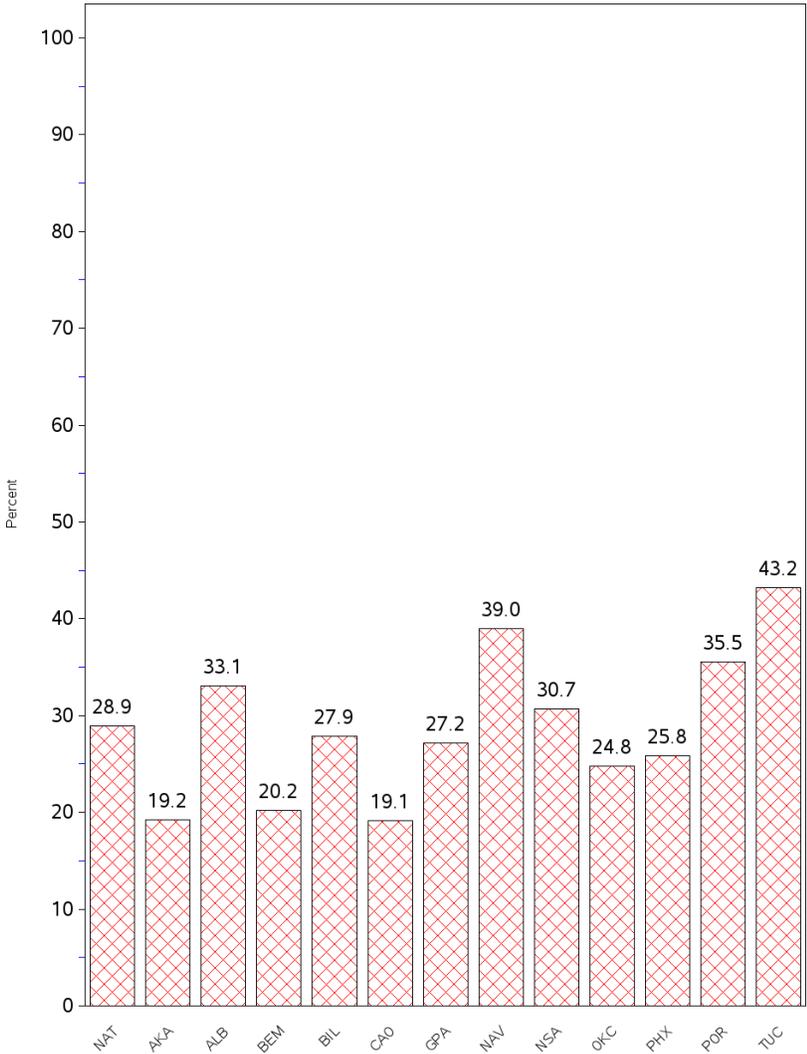
Doses are NOT deduplicated.

** 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 12/23/2017



- 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	152	284
ALASKA	5	43
ALBUQUERQUE	12	20
BEMIDJI	6	11
BILLINGS	11	21
CALIFORNIA	20	36
GREAT PLAINS	17	34
NASHVILLE	19	23
NAVAJO	8	22
OKLAHOMA	18	22
PHOENIX	14	24
PORTLAND	21	24
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.