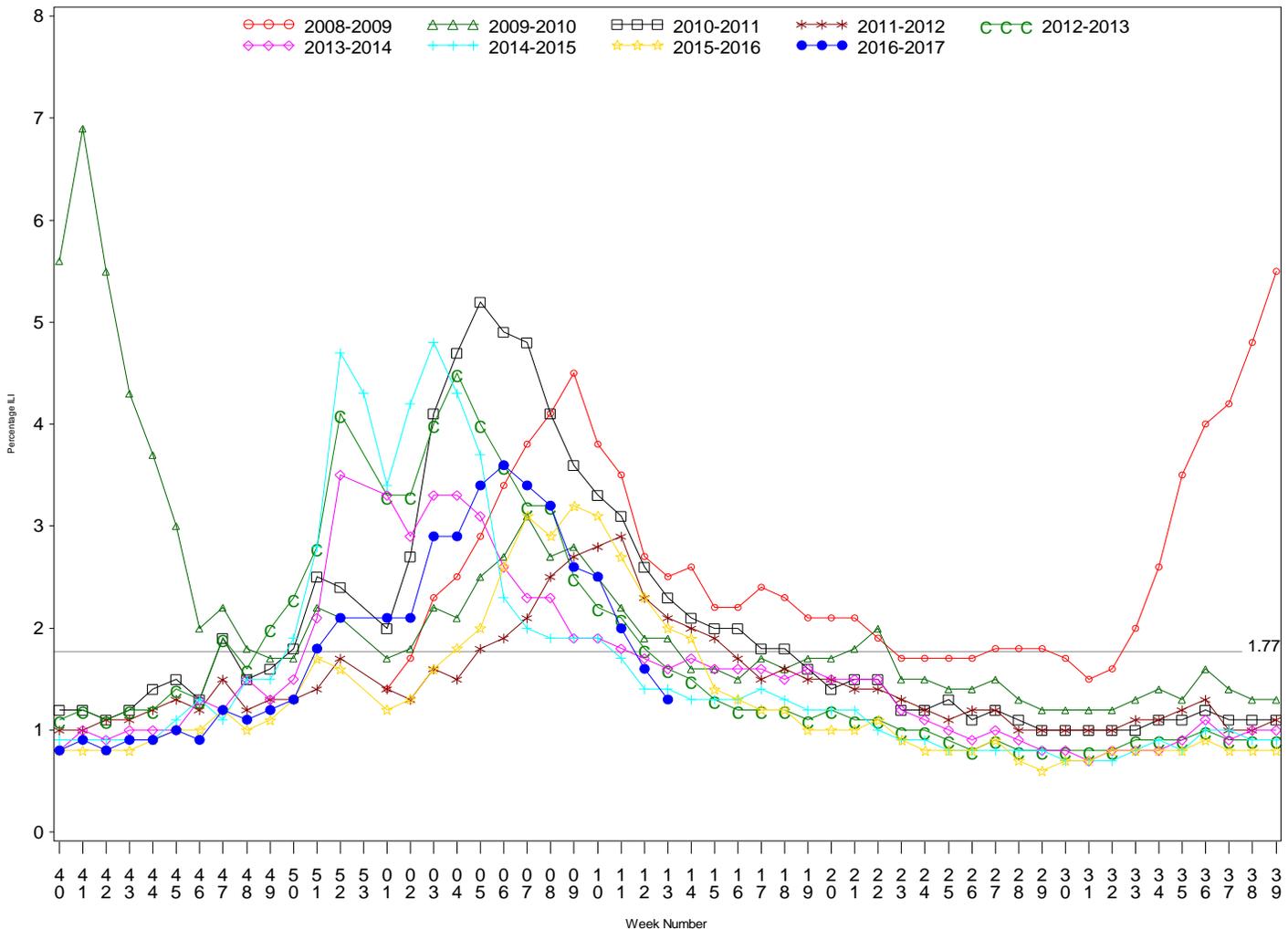




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 13: 03/26/2017 – 04/01/2017)

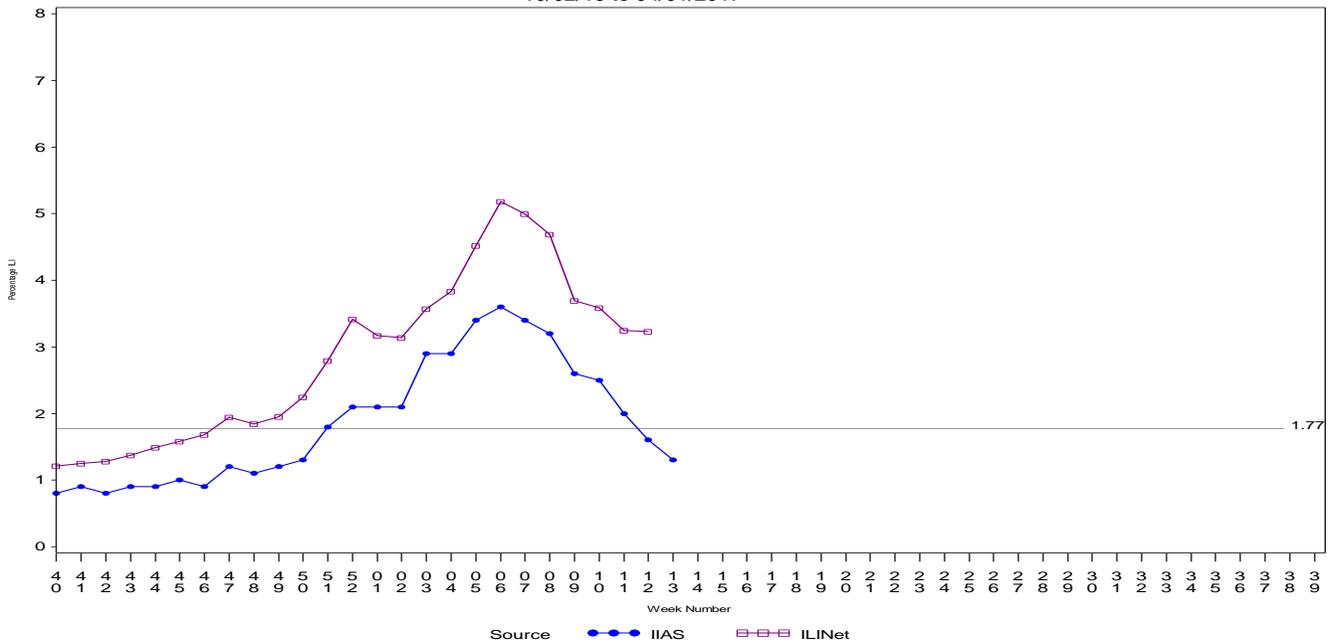
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.3%, below the IHS baseline of 1.77%
 - Three IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
 - CDC's ILINet ILI activity is 3.2%, above the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 350,000 doses of influenza vaccine.
- Overall, 34% of the IHS Active Clinical population received an influenza vaccine this season.

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



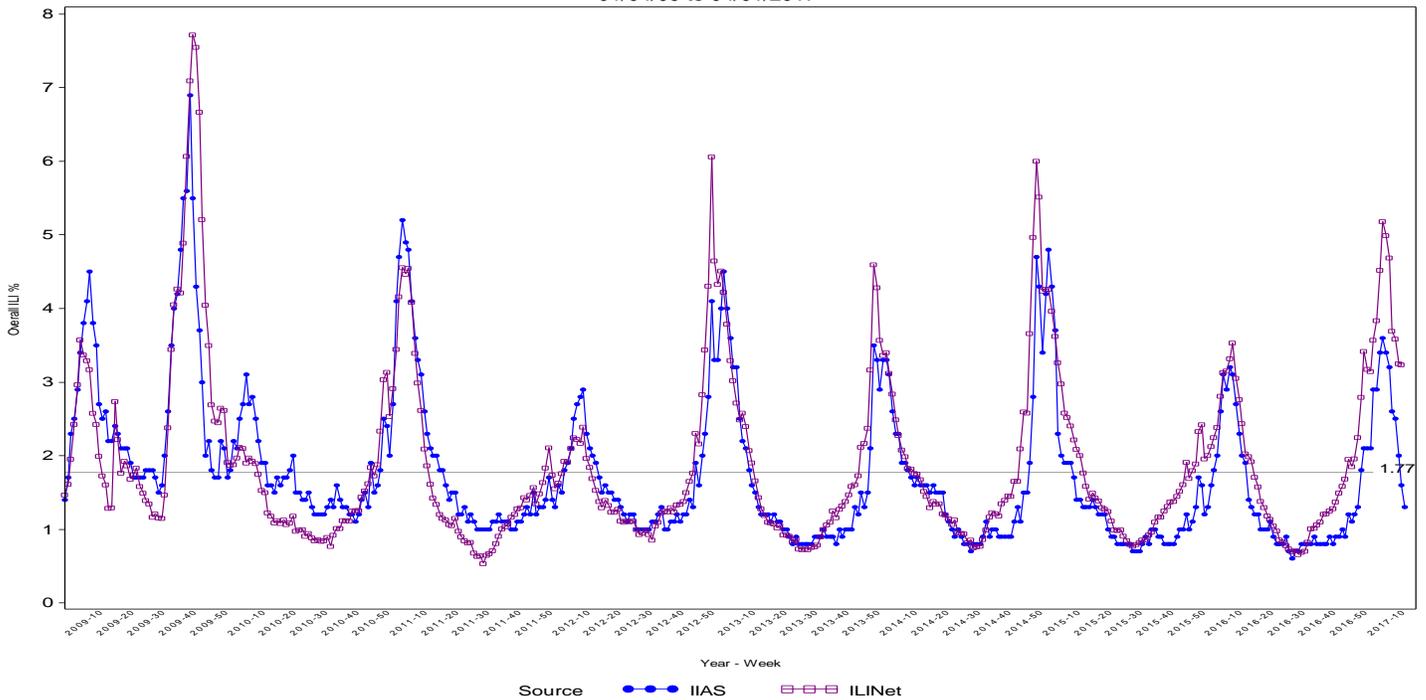
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 04/01/2017



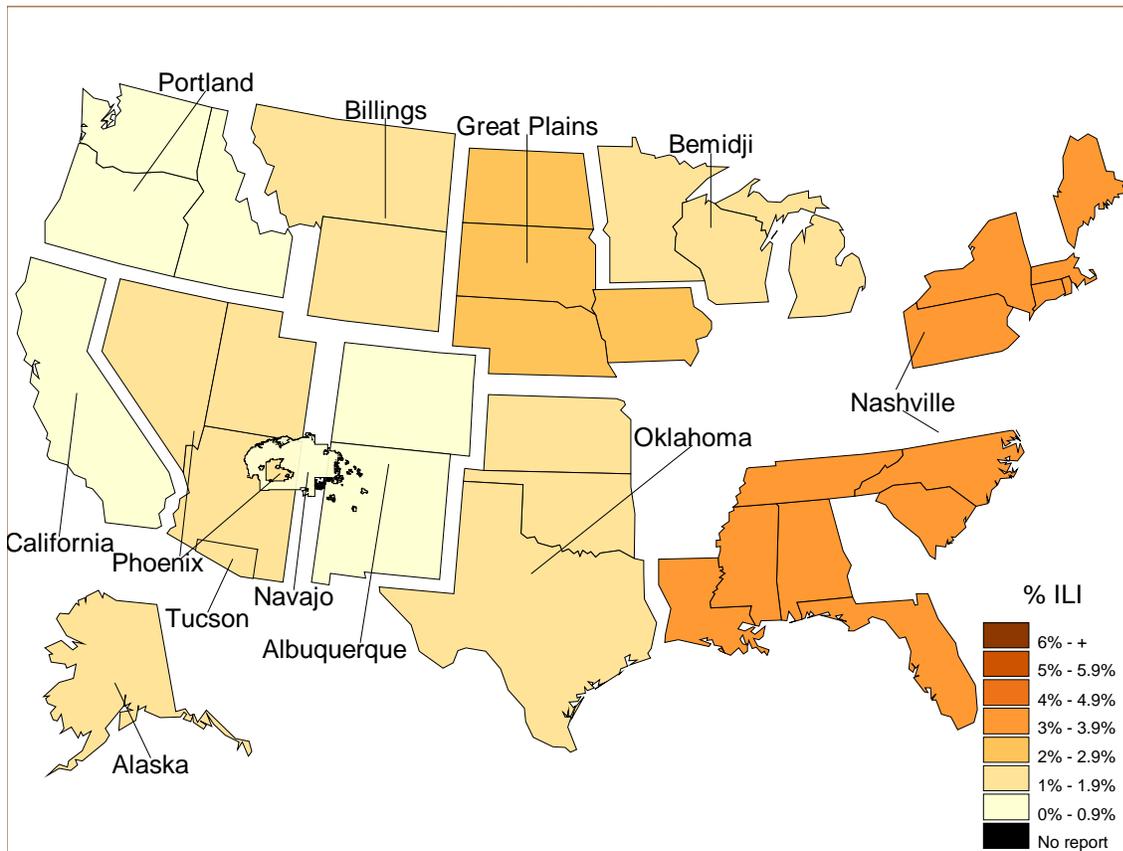
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 IIAS vs. ILINet
 01/04/09 to 04/01/2017



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 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: 13



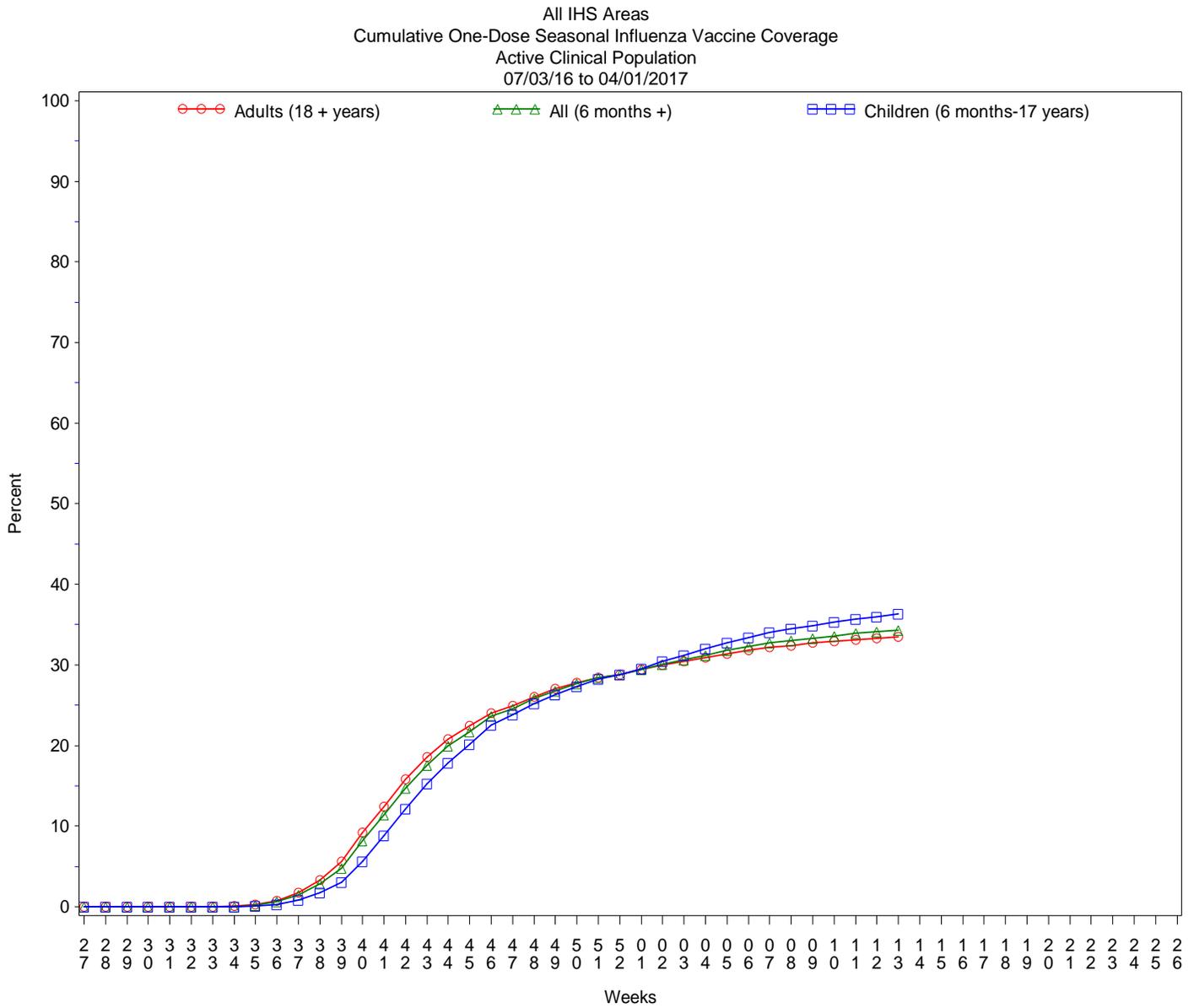
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 12	% in Week 13
NATIONAL	1.6	1.3
ALASKA	1.3	1.2
ALBUQUERQUE	0.9	0.8
BEMIDJI	3.2	1.8
BILLINGS	1.1	1.0
CALIFORNIA	0.5	0.7
GREAT PLAINS	3.0	2.0
NASHVILLE	3.8	3.7
NAVAJO	1.0	0.8
OKLAHOMA	1.2	1.0
PHOENIX	1.6	1.4
PORTLAND	0.6	0.6
TUCSON	1.4	1.2

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

IHS Influenza Vaccination Surveillance

- As of 04/01/2017, sites reporting to the IIAS have administered 350,824 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	4,455	108	2.4	0	0.0	110
6 - 23 months	22,718	14,768	65.0	4,776	21.0	19,591
2 - 4 years	55,143	18,377	33.3	776	1.4	19,221
5 - 17 years	208,177	70,678	34.0	527	0.3	71,502
18 - 49 years	428,228	114,473	26.7	738	0.2	115,671
50 - 64 years	179,488	73,533	41.0	511	0.3	74,389
65 + years	102,708	49,662	48.4	430	0.4	50,450
Children (6 months-17 years)	286,038	103,823	36.3	6,079	2.1	110,314
Adults (18 + years)	710,424	237,668	33.5	1,679	0.2	240,510
All (6 months +)	996,462	341,491	34.3	7,758	0.8	350,824

* 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	INACTIV E CVX CODES*	CVX 88 FLU-NOS**	CV X 111 FLU - LAI V3	CVX 135 FLU-HIGH	CVX 140 FLU-IIV3pf	CVX 141 FLU-IIV3	CVX 144 FLU-DER MAL	CVX 149 FLU - LAI V4	CVX 150 FLU-IIV4pf	CV X 153 FLU - ccll V3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Pro c 99. 52 Va c Inf	ICD -9 V04 .81 Vac Inf	CPT Billing Codes +	Cumulativ e # of Dose s Seasonal Flu
AKA	4	355	0	487	43	630	1	0	6711	1	2	4112	678	22	0	0	87	13133
ALB	2	217	0	1337	629	11765	1	0	5462	0	7	2239	899	1	0	0	101	22660
BEM	298	126	0	457	29	3096	0	2	4428	18	4	3771	466	47	0	2	265	13009
BIL	5	282	0	1061	15	2397	0	0	12337	0	2	1831	1254	170	0	0	137	19491
CAO	19	231	0	1441	35	3097	1	8	9038	0	2	6014	1973	60	0	3	140	22062
GPA	3	557	0	1111	167	13860	0	0	13953	12	26	6189	1606	9	0	0	94	37587
NSA	254	362	0	358	166	5987	249	0	4413	4	20	357	296	348	0	0	150	12964
NAV	35	447	1	1910	32	10942	9	0	14728	2	2	49412	3511	1082	0	0	234	82347
OKC	289	2750	1	2529	17	30966	7	1	10638	1	19	3272	1898	556	0	0	242	53186
PHX	4	619	0	1622	111	12383	29	0	24001	0	22	862	3352	2	0	0	271	43278
POR	10	486	1	813	1339	8730	16	1	6040	29	26	3815	497	1371	0	0	909	24083
TUC	0	62	0	36	30	11	0	0	7467	1	0	53	671	0	0	0	43	8374
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	923	6496	3	13162	2613	103864	313	12	119216	68	132	81927	17101	3668	0	5	2673	352176

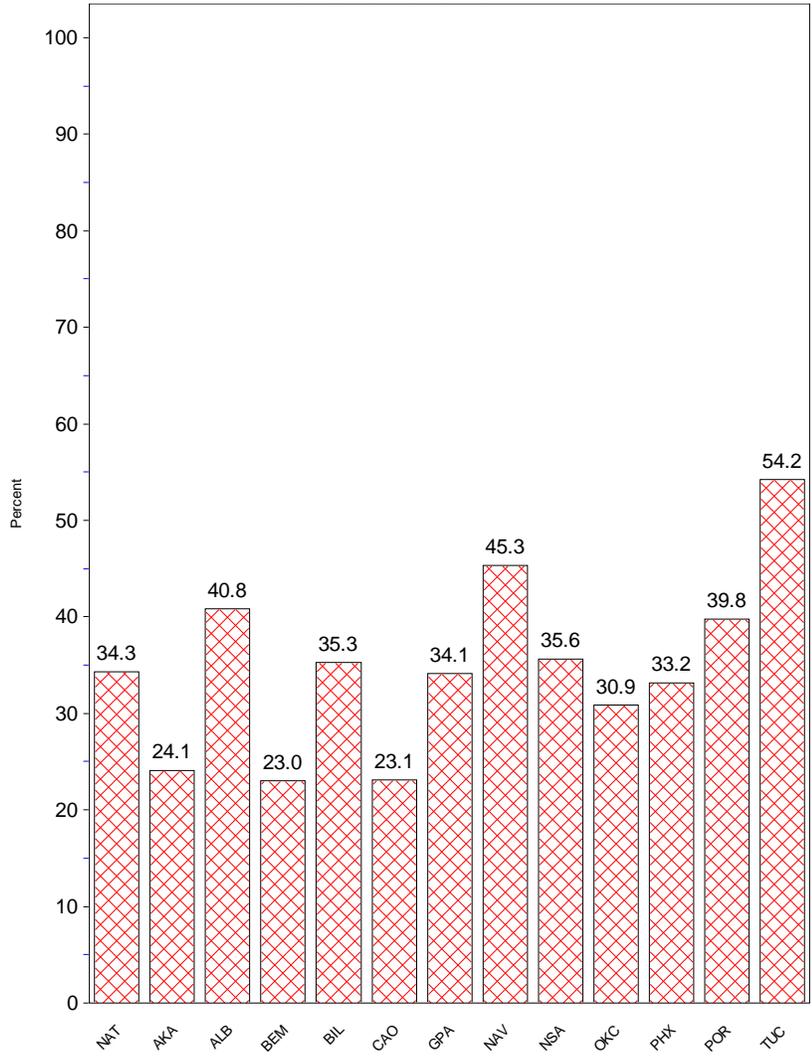
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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.

All IHS Areas
Influenza Vaccine Coverage by Age Groups – All (6 mos+)
%Seasonal Flu (At least 1 dose) for Active Clinical Population
07/03/16 to 04/01/2017



- 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	159	296
ALASKA	6	53
ALBUQUERQUE	11	15
BEMIDJI	6	13
BILLINGS	13	24
CALIFORNIA	22	34
GREAT PLAINS	18	35
NASHVILLE	20	25
NAVAJO	8	22
OKLAHOMA	18	22
PHOENIX	14	24
PORTLAND	22	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.