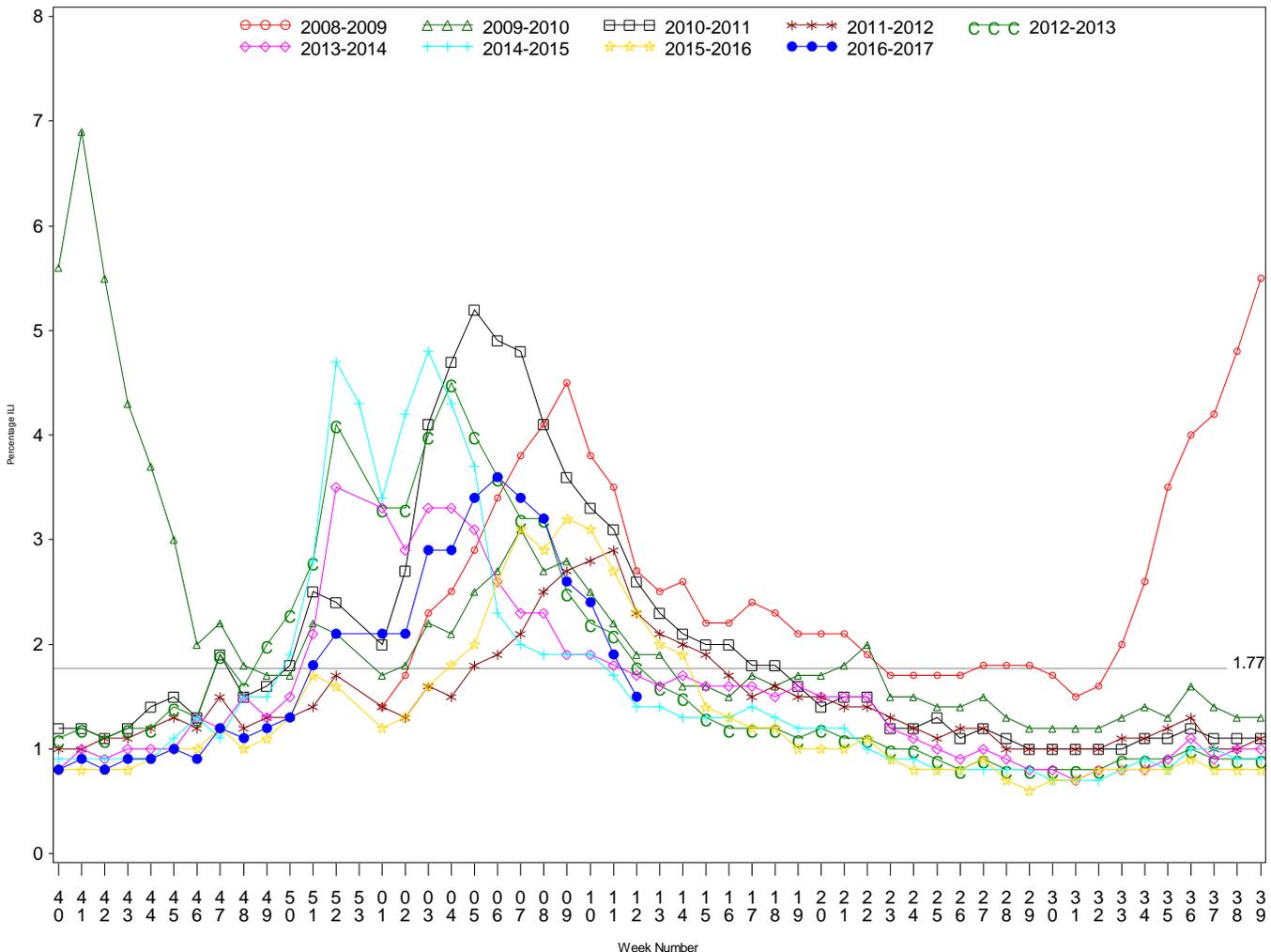




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 12: 03/19/2017 – 03/25/2017)

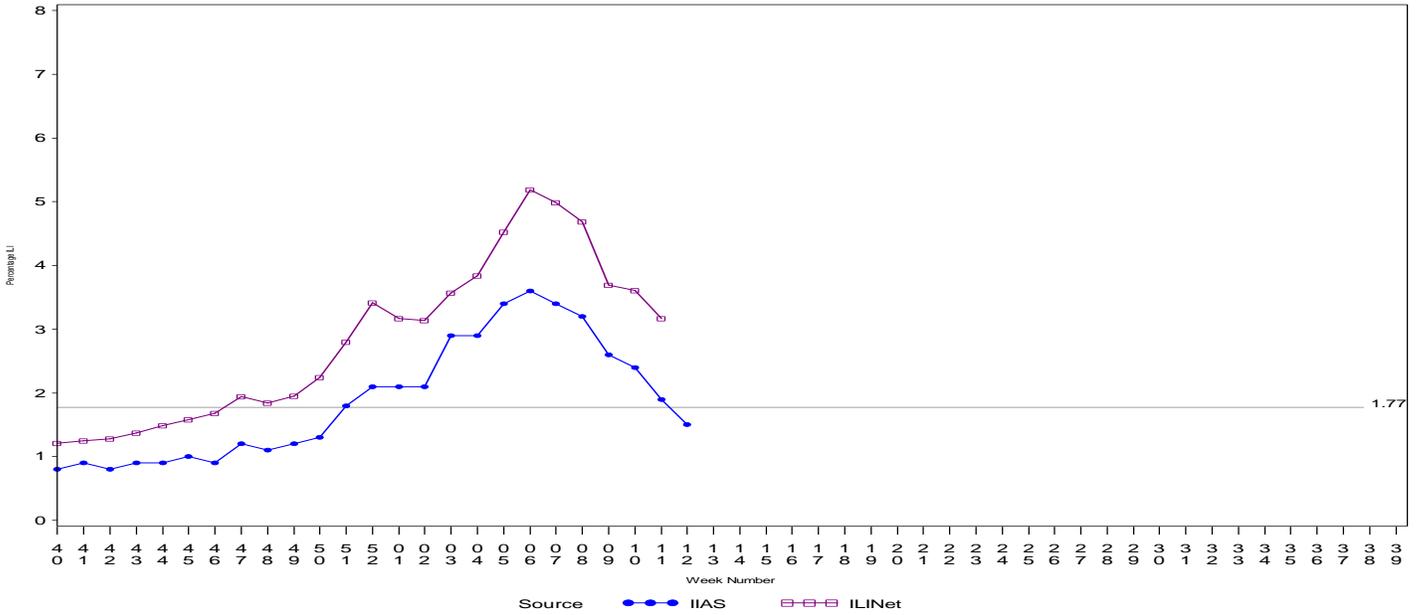
- Influenza-like-illness (ILI) activity in IHS is decreasing and is at 1.5%, below the IHS baseline of 1.77%
 - Three IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
 - CDC's ILINet ILI activity is 3.2%, above the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 348,000 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 03/25/2017



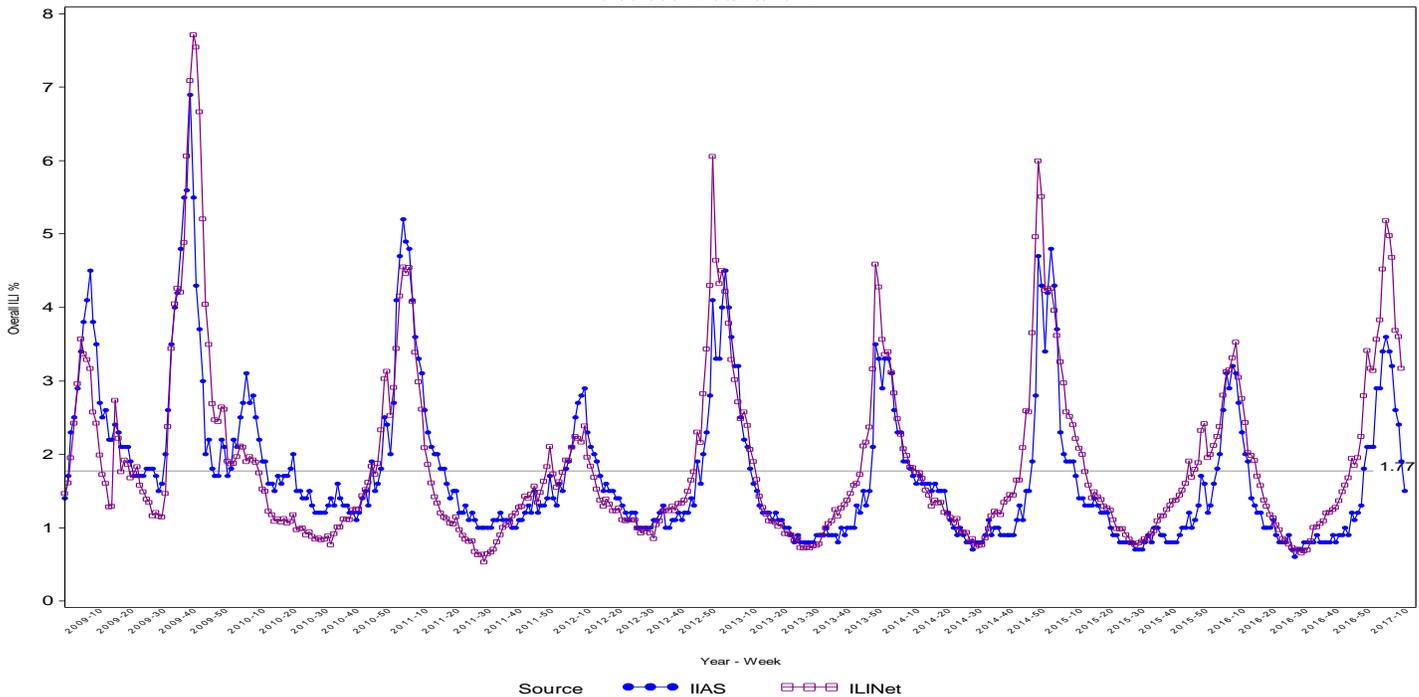
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 03/25/2017



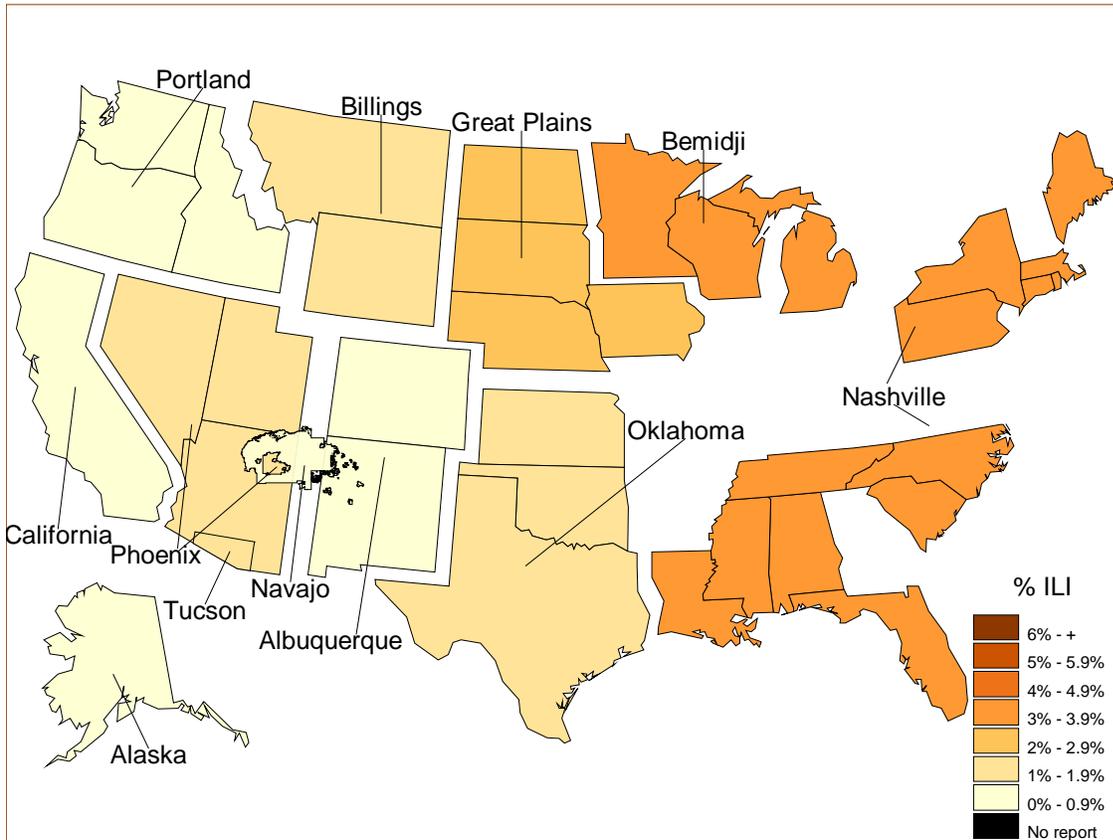
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 03/25/2017



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: 12



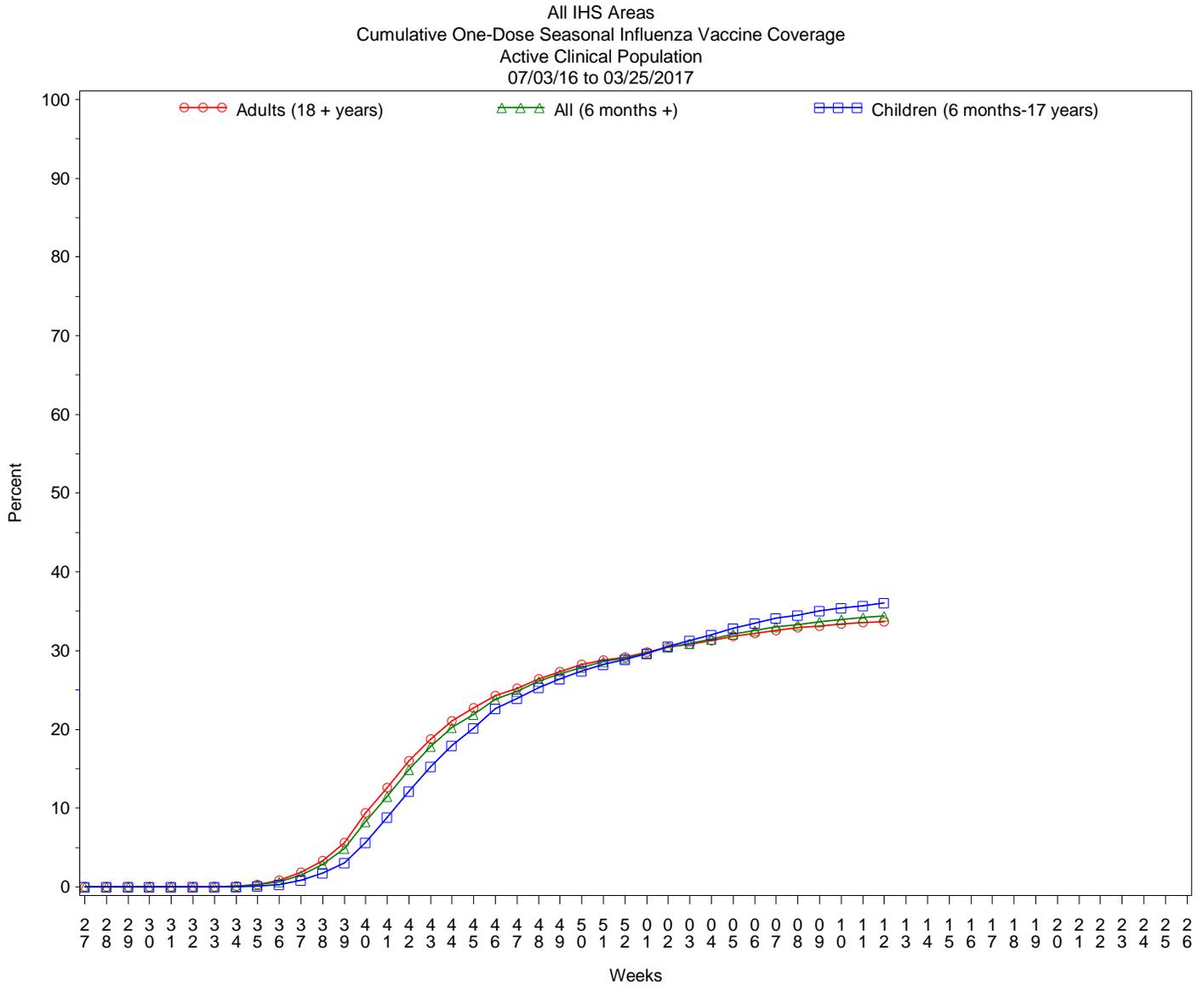
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 11	% in Week 12
NATIONAL	1.9	1.5
ALASKA	1.0	0.9
ALBUQUERQUE	1.2	0.8
BEMIDJI	2.9	3.1
BILLINGS	0.9	1.0
CALIFORNIA	0.9	0.5
GREAT PLAINS	3.7	2.9
NASHVILLE	3.9	3.5
NAVAJO	1.5	0.8
OKLAHOMA	1.5	1.0
PHOENIX	1.8	1.5
PORTLAND	1.0	0.6
TUCSON	1.2	1.3

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

IHS Influenza Vaccination Surveillance

- As of 03/25/2017, sites reporting to the IAS have administered 348,494 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	4,589	96	2.1	0	0.0	98
6 - 23 months	22,536	14,465	64.2	4,599	20.4	19,172
2 - 4 years	54,920	18,073	32.9	730	1.3	18,939
5 - 17 years	206,902	69,980	33.8	518	0.3	71,019
18 - 49 years	420,616	113,249	26.9	720	0.2	114,953
50 - 64 years	175,998	72,906	41.4	505	0.3	74,105
65 + years	101,504	49,385	48.7	420	0.4	50,306
Children (6 months-17 years)	284,358	102,518	36.1	5,847	2.1	109,130
Adults (18 + years)	698,118	235,540	33.7	1,645	0.2	239,364
All (6 months +)	982,476	338,058	34.4	7,492	0.8	348,494

* 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	629	1	0	6690	1	2	4098	674	22	0	0	88	13094
ALB	2	216	0	1336	625	11674	1	0	5426	0	7	2236	875	1	0	0	99	22498
BEM	298	124	0	456	28	3077	0	2	4401	18	4	3762	459	47	0	2	265	12943
BIL	5	281	0	1058	15	2387	0	0	12217	0	2	1814	1230	169	0	0	136	19314
CAO	19	230	0	1437	35	3089	1	8	9000	0	2	5996	1946	60	0	3	138	21964
GPA	3	544	0	1109	166	13786	0	0	13835	12	26	6154	1553	9	0	0	95	37292
NSA	254	361	0	358	161	5963	248	0	4394	4	20	356	286	348	0	0	149	12902
NAV	33	441	1	1906	31	10903	9	0	14645	2	2	49019	3453	1082	0	0	232	81759
OKC	288	2741	1	2527	16	30897	7	1	10593	1	19	3247	1879	556	0	0	243	53016
PHX	3	609	0	1615	111	12257	29	0	23823	0	22	852	3303	2	0	0	268	42894
POR	10	482	1	812	1332	8696	16	1	5942	29	26	3789	483	1358	0	0	907	23884
TUC	0	61	0	35	30	11	0	0	7388	1	0	52	651	0	0	0	43	8272
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	919	6447	3	13136	2593	103369	312	12	118354	68	132	81375	16792	3654	0	5	2663	349834

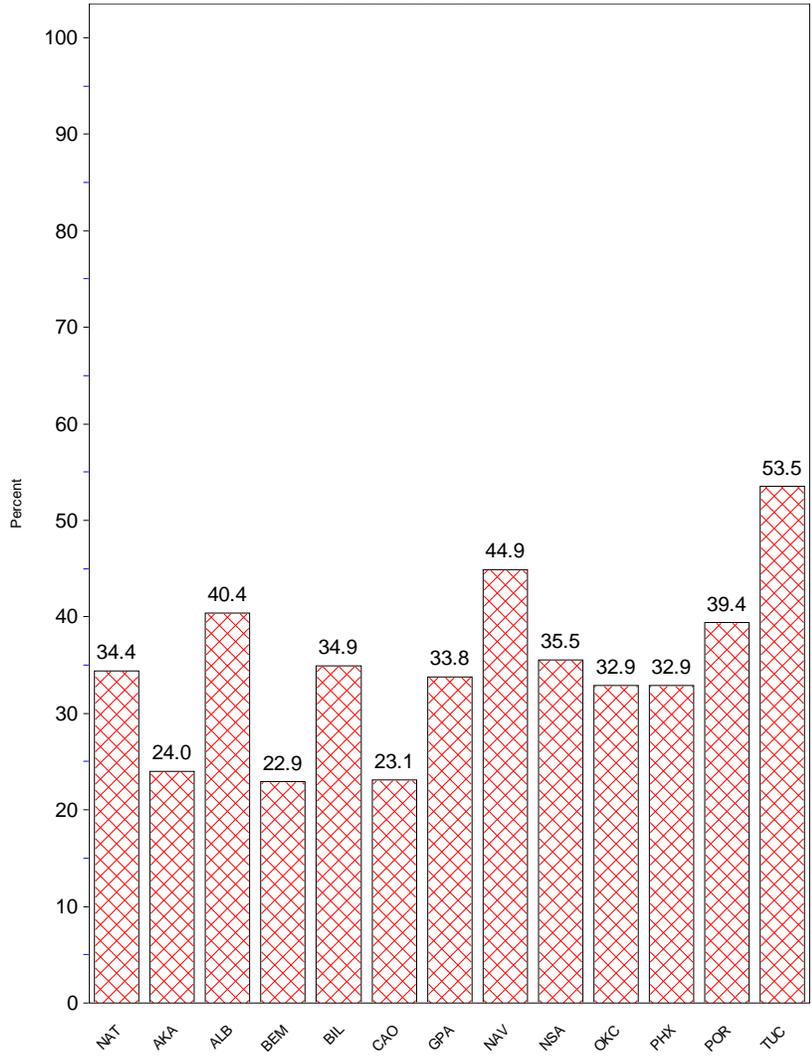
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 03/25/2017



- 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	161	295
ALASKA	6	50
ALBUQUERQUE	11	15
BEMIDJI	6	13
BILLINGS	13	23
CALIFORNIA	22	33
GREAT PLAINS	18	35
NASHVILLE	20	24
NAVAJO	8	22
OKLAHOMA	18	22
PHOENIX	15	27
PORTLAND	23	27
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.