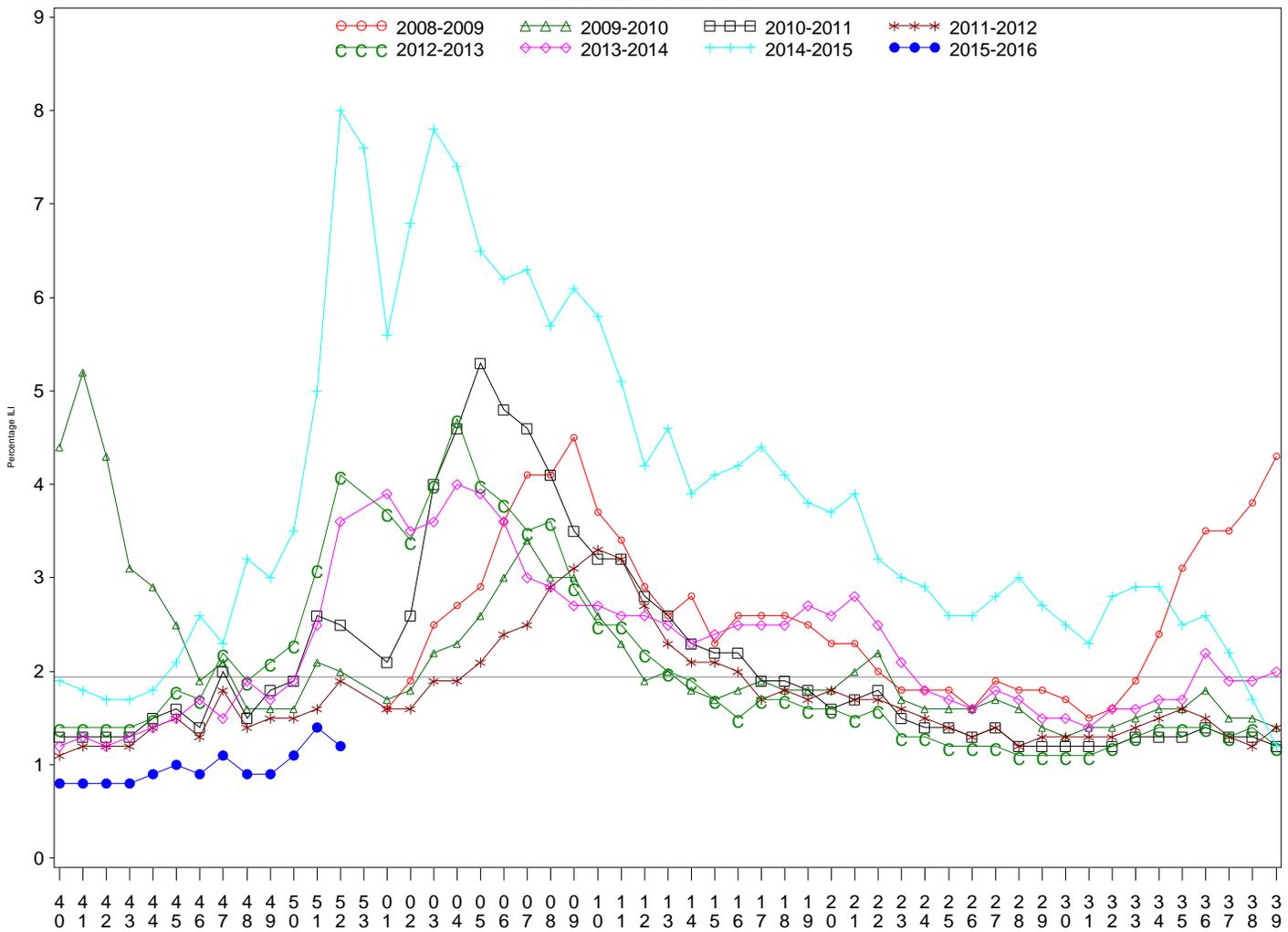




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
 (Week 52: 12/27/2015 – 1/02/2016)

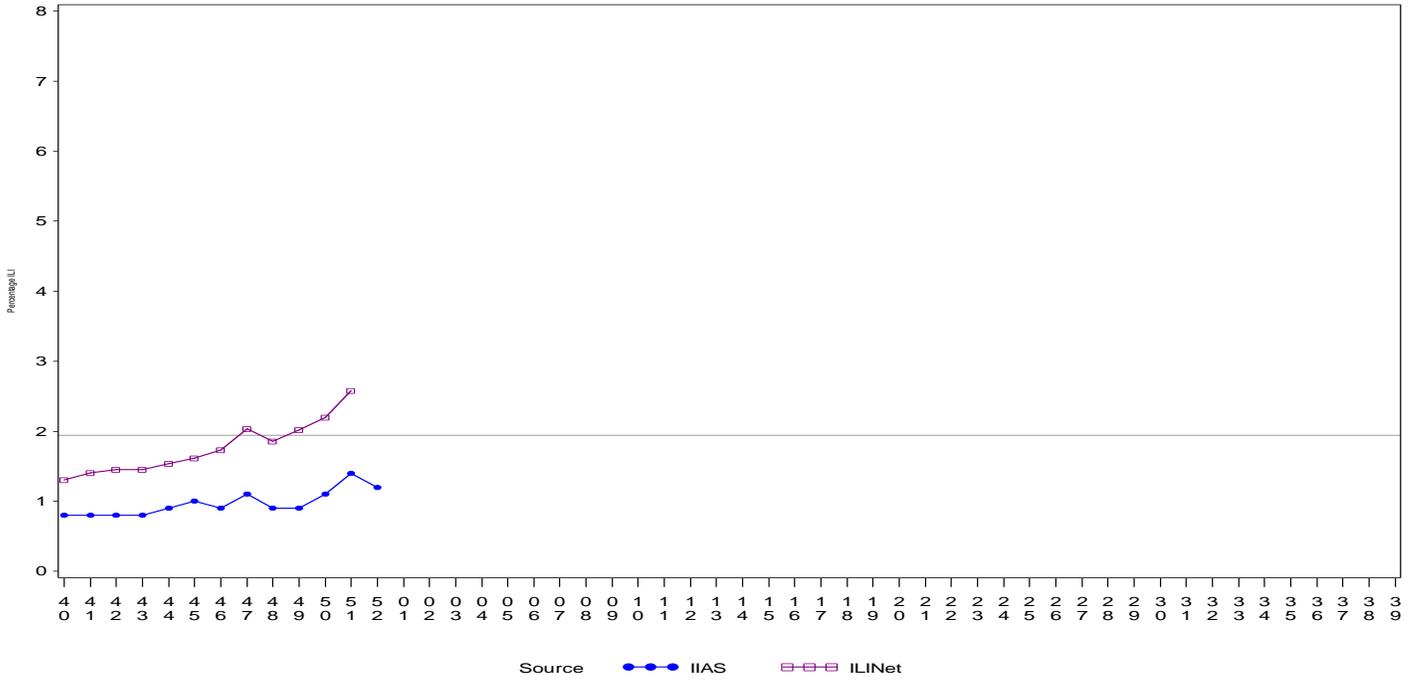
- Influenza-like-illness (ILI) activity in IHS is low, and below the national baseline.
- To date IHS has administered over 308,000 doses of influenza vaccine.
- Overall, 28.2% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 01/02/16



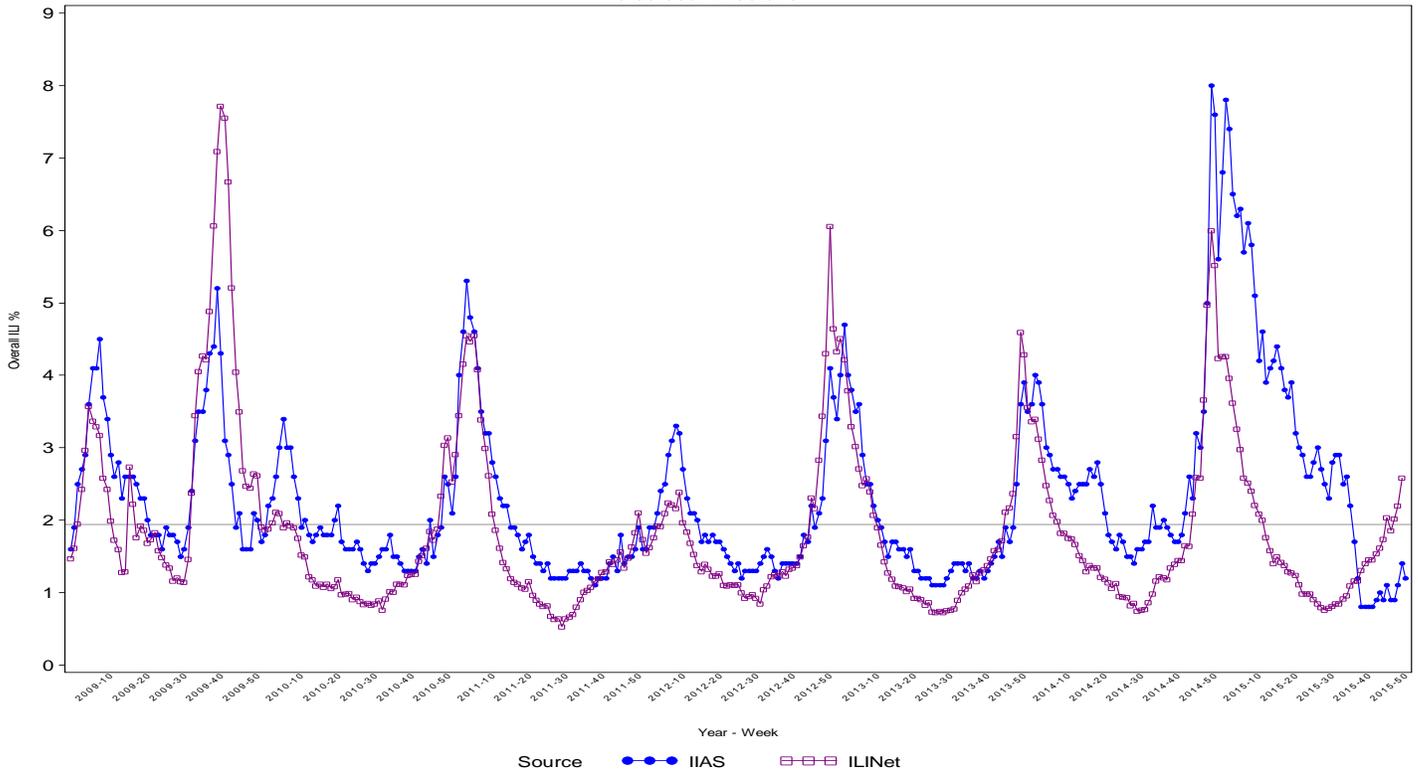
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.
 Sources: ILINet - CDC Sentinal Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Proportion of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2015 - 2016
 ILINet vs. IIAS
 10/04/15 to 1/02/16



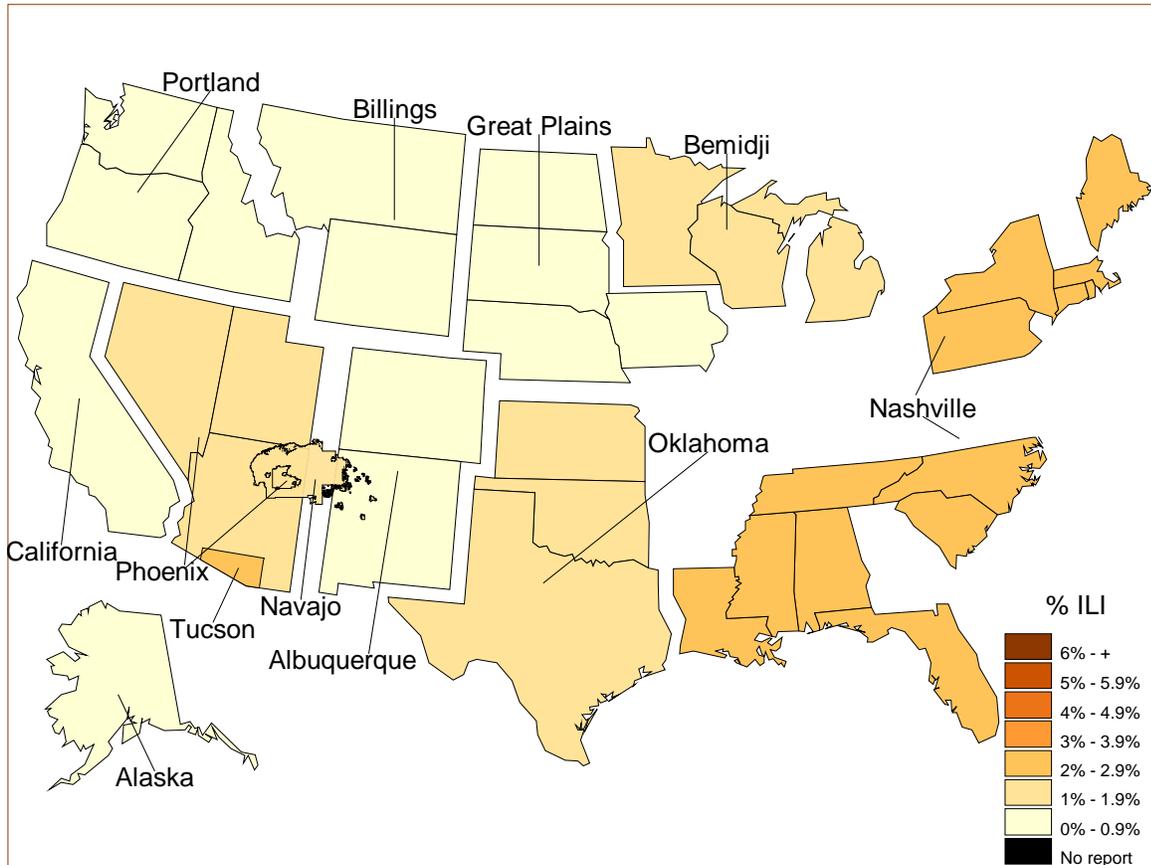
Source ● IIAS □ ILINet
 Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

IIAS versus ILINet
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 01/04/09 to 1/02/16



Source ● IIAS □ ILINet
 Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2014-2015 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 Influenza-Like Illness Visits by IHS Area
For Week: 52



% Visits for ILI Compared to Previous Week

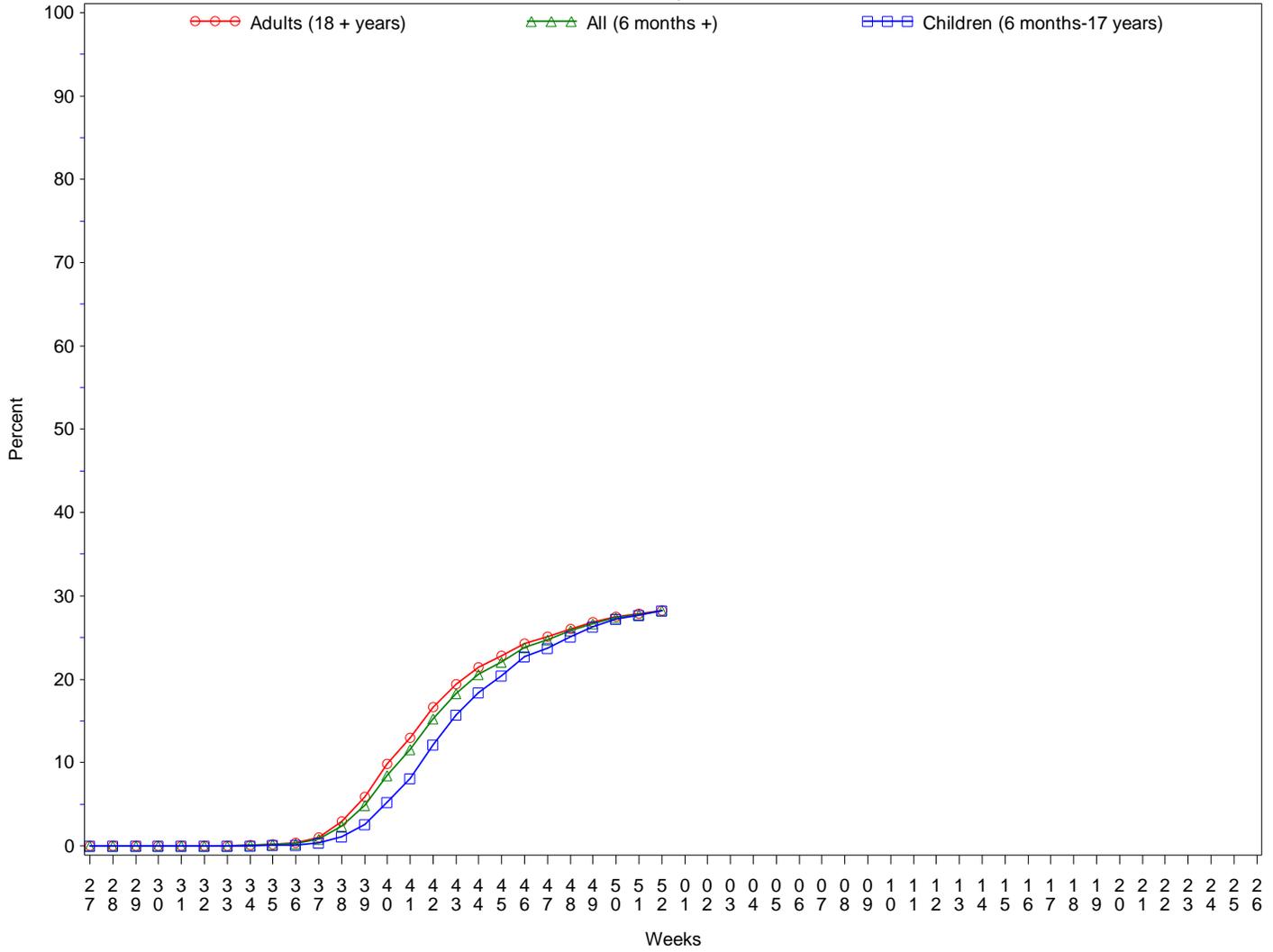
IHS Areas	% in Week 51	% in Week 52
NATIONAL	1.4	1.2
ALASKA	1.3	0.7
ALBUQUERQUE	0.8	0.6
BEMIDJI	1.4	1.1
BILLINGS	1.3	0.9
CALIFORNIA	0.7	0.6
GREAT PLAINS	1.1	0.8
NASHVILLE	1.9	2.3
NAVAJO	1.6	1.2
OKLAHOMA	0.9	1.5
PHOENIX	1.8	1.6
PORTLAND	0.7	0.8
TUCSON	2.1	2.4

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

IHS Influenza Vaccination Surveillance

- As of 1/02/2016, sites reporting to the IAS have administered 308,614 doses (1st and 2nd) of seasonal influenza vaccine to Active Clinical patients.

All IHS Areas
 Cumulative One-Dose Seasonal Influenza Vaccine Coverage
 07/05/15 to 1/02/16
 Active Clinical Population



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	4,867	74	1.5	28	0.6	103
6 - 23 months	24,121	10,174	42.2	1,688	7.0	11,894
2 - 4 years	59,673	14,412	24.2	213	0.4	14,712
5 - 17 years	223,715	62,178	27.8	387	0.2	62,949
18 - 49 years	464,841	102,047	22.0	520	0.1	103,373
50 - 64 years	192,766	68,205	35.4	396	0.2	69,132
65 + years	109,048	45,750	42.0	384	0.4	46,554
Children (6 months-17 years)	307,509	86,764	28.2	2,288	0.7	89,555
Adults (18 + years)	766,655	216,002	28.2	1,300	0.2	219,059
All (6 months +)	1,074,164	302,766	28.2	3,588	0.3	308,614

* 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 Vaccination Doses Administered by Influenza Vaccination Type*

Area	INACTIVE CVX CODES*	CVX 88 FLU-NOS**	CVX 111 FLU-LAIV3	CVX 135 FLU-HIGH	CVX 140 FLU-IIV3pf	CVX 141 FLU-IIV3	CVX 144 FLU-DER-MAL	CVX 149 FLU-LAIV4	CVX 150 FLU-IIV4pf	CVX 153 FLU-cclIV3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	15	218	2	239	242	913	3	778	4006	72	.	3531	345	20	.	4	113	10501
ALB	31	131	9	1402	4518	13140	1	2142	1077	1	198	1336	660	8	.	11	360	25025
BEM	142	58	6	334	391	5848	88	702	1402	2	2	756	234	2	.	65	100	10132
BIL	6	156	4	1077	7552	3765	1	1648	3237	.	.	619	333	1	.	15	121	18535
CAO	102	239	5	1297	2211	5010	9	1471	4836	.	1	4281	491	33	.	16	269	20271
GPA	206	452	39	509	4879	14232	1	1620	3544	1	4	3986	1054	4	.	30	70	30631
NSA	1	90	.	229	1358	6088	140	363	2848	1	8	251	70	282	.	8	137	11874
NAV	136	239	2	900	312	62670	1	917	8412	1	2	3844	1532	101	.	72	553	79694
OKC	465	1174	61	1962	1460	26911	33	1388	3752	2	16	2010	679	380	33	40	179	40545
PHX	15	410	2	1876	9356	17521	14	2034	7717	.	6	603	1759	16	2	42	369	41742
POR	22	510	21	904	1938	10228	3	1862	3031	18	9	2631	287	477	.	93	140	22174
TUC	.	121	1	29	5067	358	2	236	1020	.	.	9	425	1	.	27	71	7367
	1141	3798	152	10758	39284	166684	296	15161	44882	98	246	23857	7869	1325	35	423	2482	318491

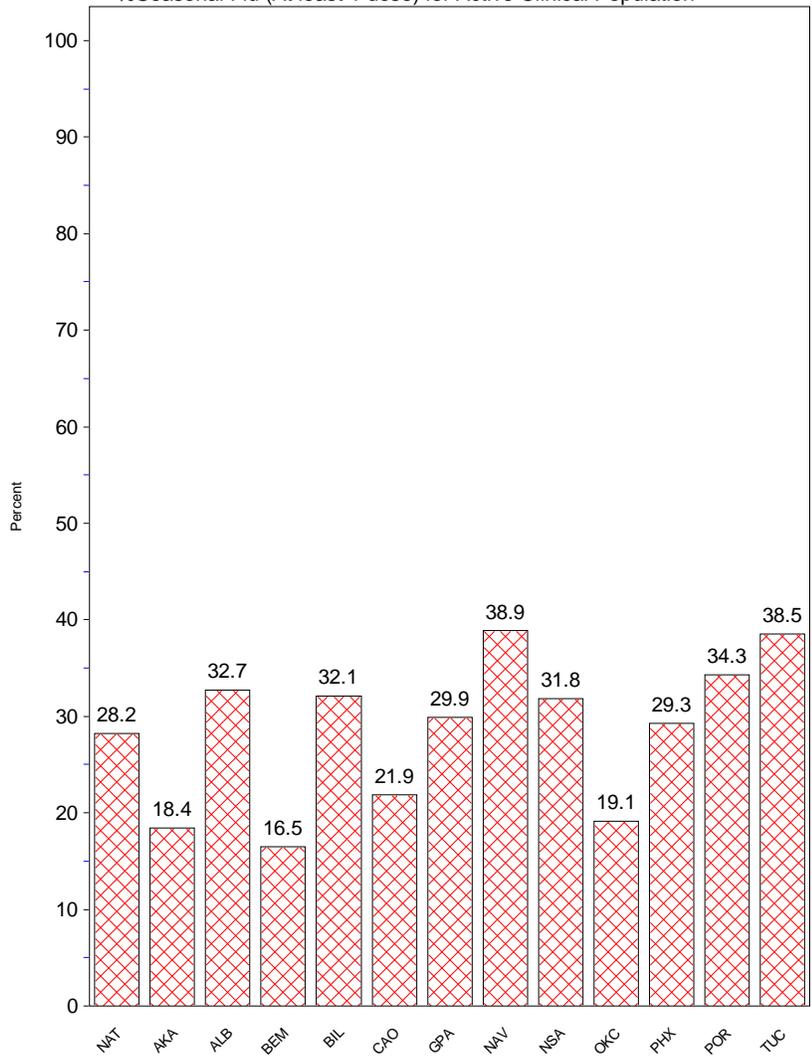
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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+)
07/05/15 to 1/02/16
%Seasonal Flu (At least 1 dose) for Active Clinical Population



- 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	290
ALASKA	12	65
ALBUQUERQUE	13	22
BEMIDJI	5	9
BILLINGS	13	24
CALIFORNIA	20	36
GREAT PLAINS	17	29
NASHVILLE	17	21
NAVAJO	8	22
OKLAHOMA	8	8
PHOENIX	17	26
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, Alaska Village Clinic.