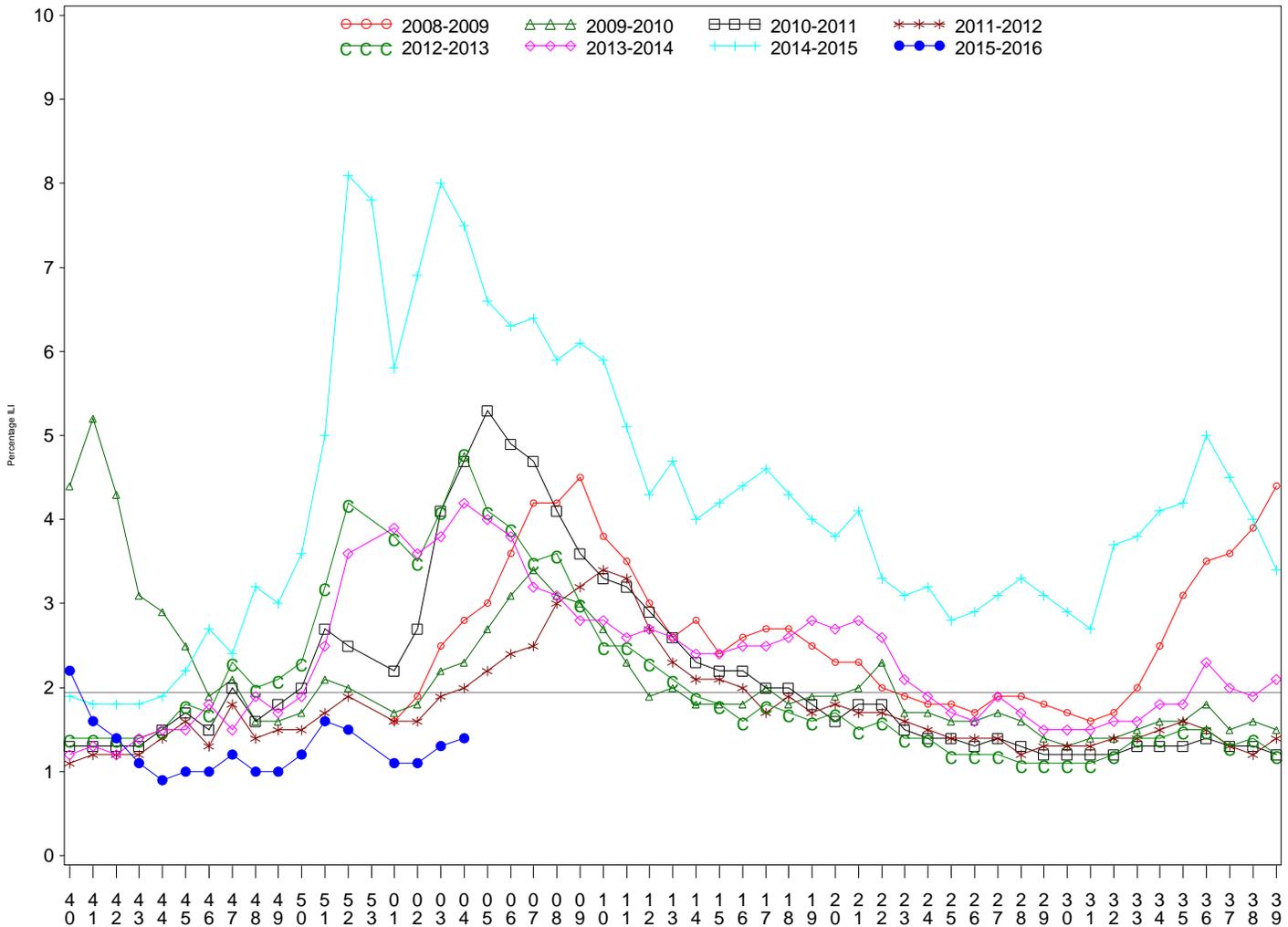




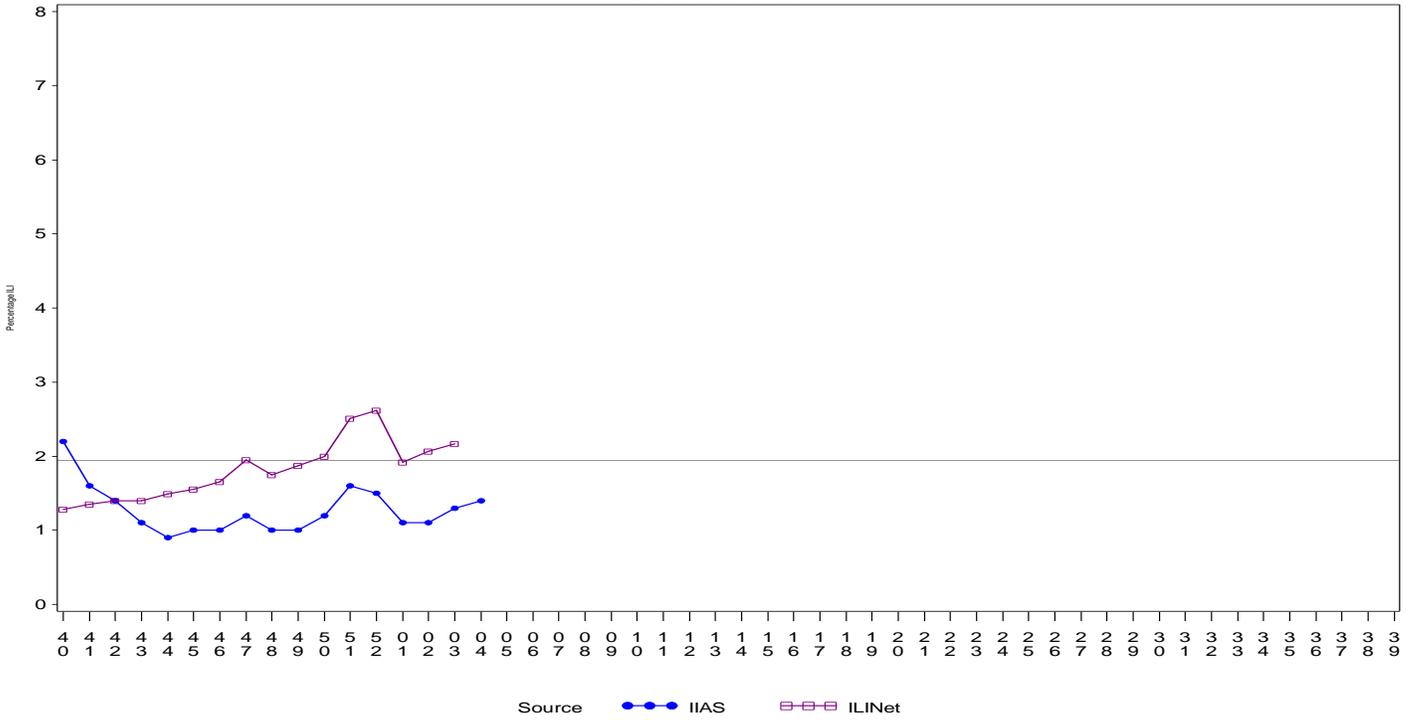
Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 4: 1/24/2016 – 1/30/2016)

- Influenza-like-illness (ILI) activity in IHS is low, and below the national baseline.
- To date IHS has administered over 344,000 doses of influenza vaccine.
- Overall, 31% 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 01/30/16

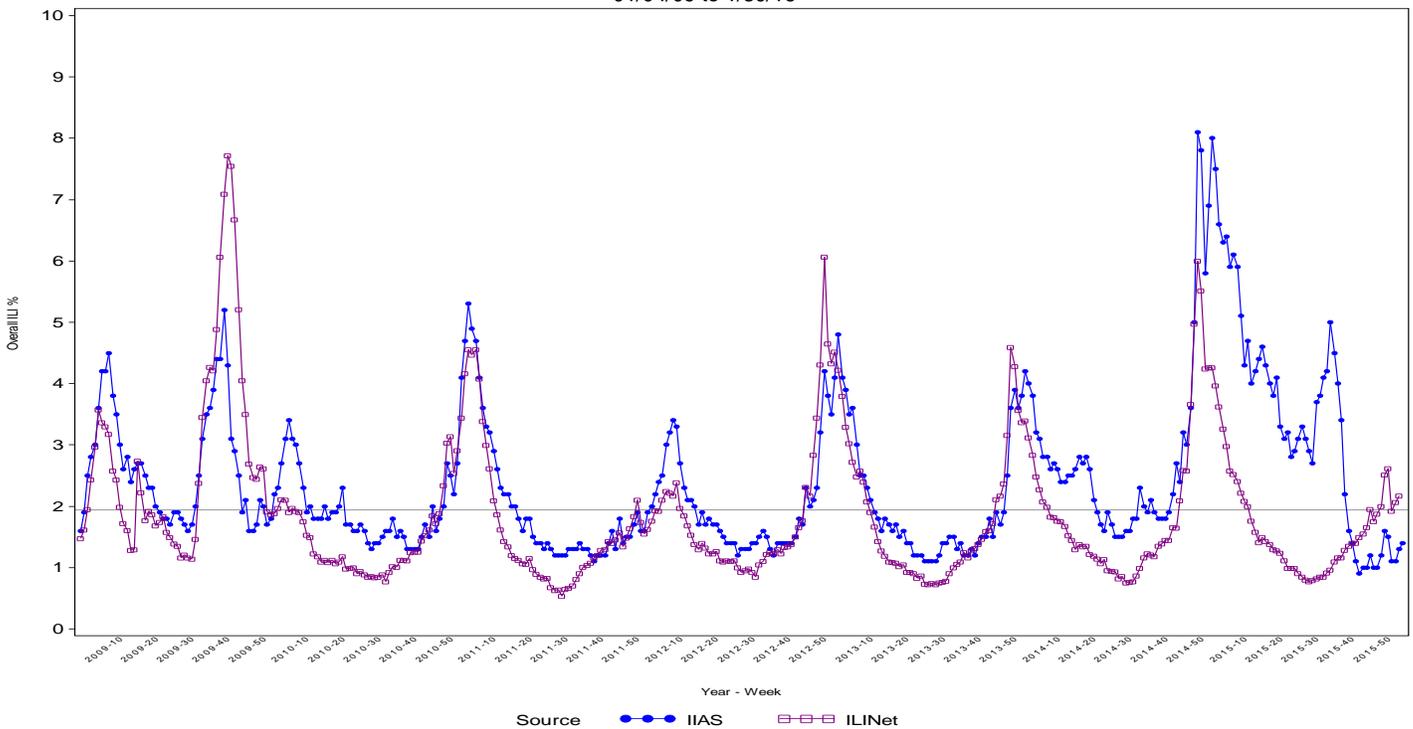


Proportion of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2015 - 2016
 ILINet vs. IIAS
 10/04/15 to 1/30/16



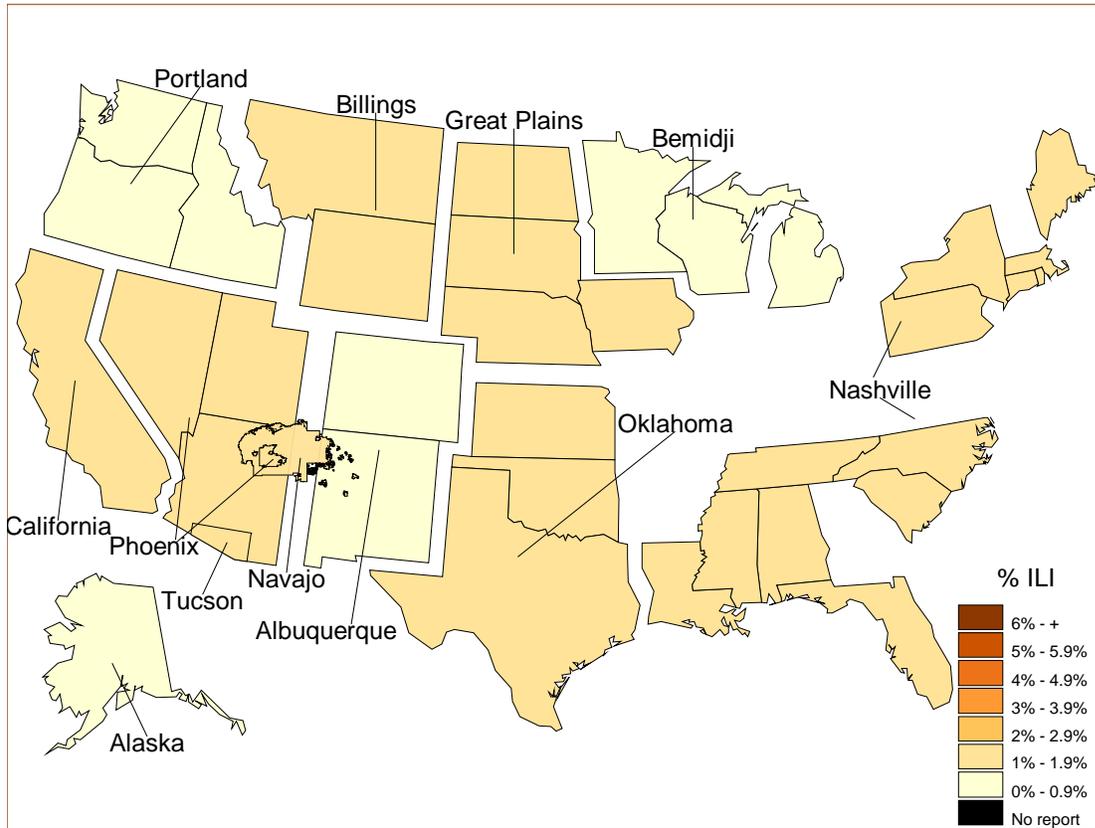
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard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

IIAS versus ILINet
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 01/04/09 to 1/30/16



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: 4



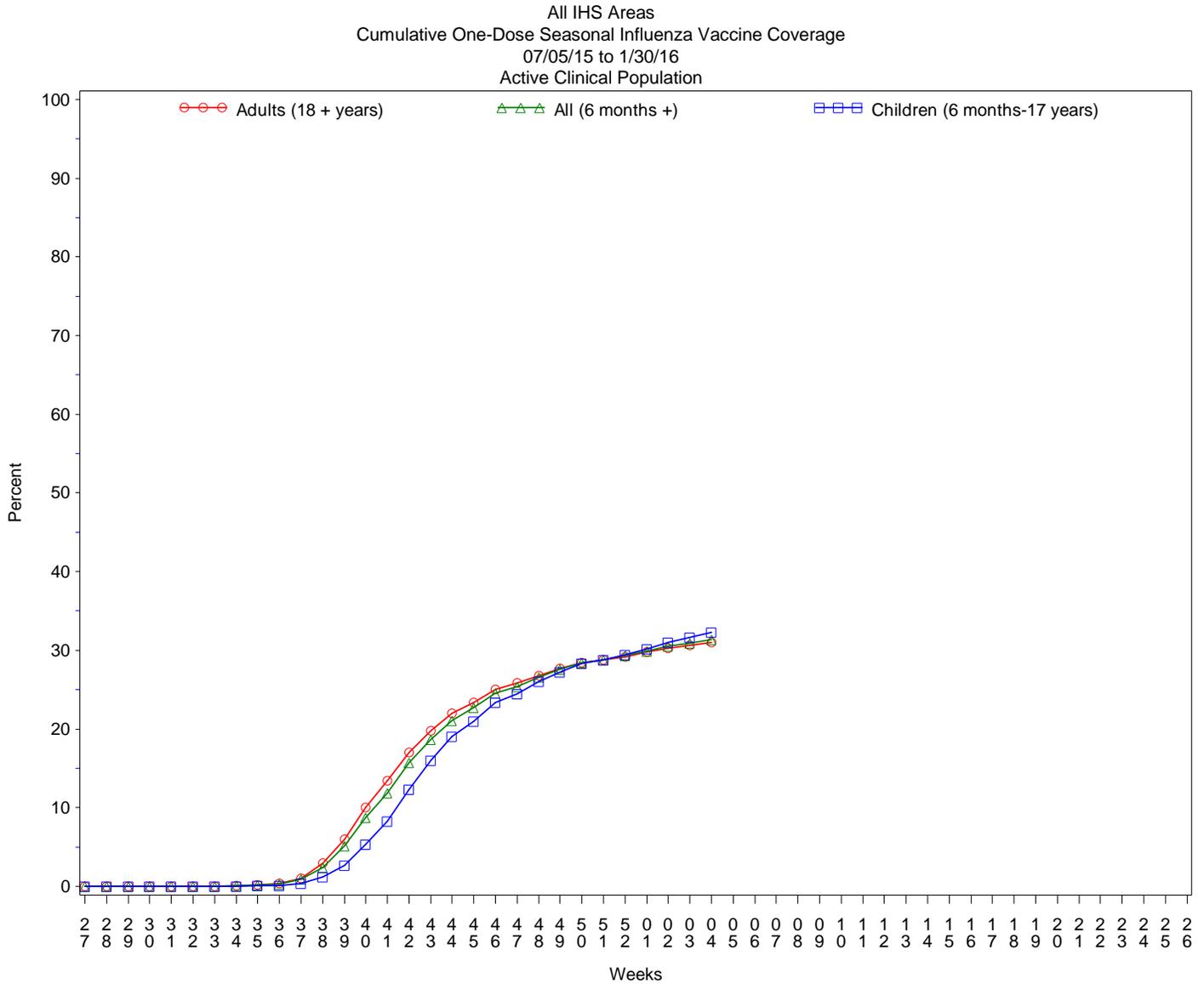
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 3	% in Week 4
NATIONAL	1.3	1.4
ALASKA	1.0	0.8
ALBUQUERQUE	0.8	0.8
BEMIDJI	1.2	0.5
BILLINGS	1.1	1.4
CALIFORNIA	1.0	1.2
GREAT PLAINS	1.2	1.1
NASHVILLE	1.4	1.4
NAVAJO	1.6	1.7
OKLAHOMA	0.8	1.2
PHOENIX	1.6	1.9
PORTLAND	0.9	0.8
TUCSON	1.9	1.7

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

IHS Influenza Vaccination Surveillance

- As of 1/30/2016, sites reporting to the IIAS have administered 344,322 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	4,914	84	1.7	31	0.6	116
6 - 23 months	24,171	12,484	51.6	2,959	12.2	15,489
2 - 4 years	59,502	16,958	28.5	403	0.7	17,469
5 - 17 years	222,737	69,422	31.2	489	0.2	70,351
18 - 49 years	463,539	113,505	24.5	700	0.2	115,116
50 - 64 years	192,683	74,375	38.6	524	0.3	75,484
65 + years	109,384	49,461	45.2	494	0.5	50,413
Children (6 months-17 years)	306,410	98,864	32.3	3,851	1.3	103,309
Adults (18 + years)	765,606	237,341	31.0	1,718	0.2	241,013
All (6 months +)	1,072,016	336,205	31.4	5,569	0.5	344,322

* 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	17	244	3	304	354	1000	3	878	4463	80	.	4085	386	22	.	4	123	11966
ALB	44	174	9	1469	5131	14535	1	2251	1335	1	199	1493	840	9	.	11	382	27884
BEM	173	66	6	344	417	6381	88	880	1572	2	3	859	268	2	.	66	114	11241
BIL	6	203	4	1115	8224	4057	1	1875	3710	.	.	676	408	1	.	15	125	20420
CAO	115	297	7	1363	2384	5528	9	1723	5300	.	1	4631	599	47	.	16	296	22316
GPA	223	829	56	517	5305	15463	1	1861	4049	1	4	4429	1263	5	.	30	87	34123
NSA	2	115	.	239	1416	6479	150	437	3011	1	9	261	75	298	.	8	150	12651
NAV	165	328	3	980	334	67447	2	1037	9623	1	2	4149	1831	152	.	72	595	86721
OKC	969	1841	117	2154	1569	30846	33	1781	4943	2	18	2597	981	411	33	40	246	48581
PHX	19	496	7	1997	10513	19072	16	2295	8925	.	6	739	2274	23	2	42	398	46824
POR	27	621	23	941	2042	11003	4	2079	3358	21	11	2924	362	516	.	94	148	24174
TUC	.	127	1	38	5484	361	2	278	1164	.	.	25	535	1	.	27	80	8123
	1760	5341	236	11461	43173	182172	310	17375	51453	109	253	26868	9822	1487	35	425	2744	355024

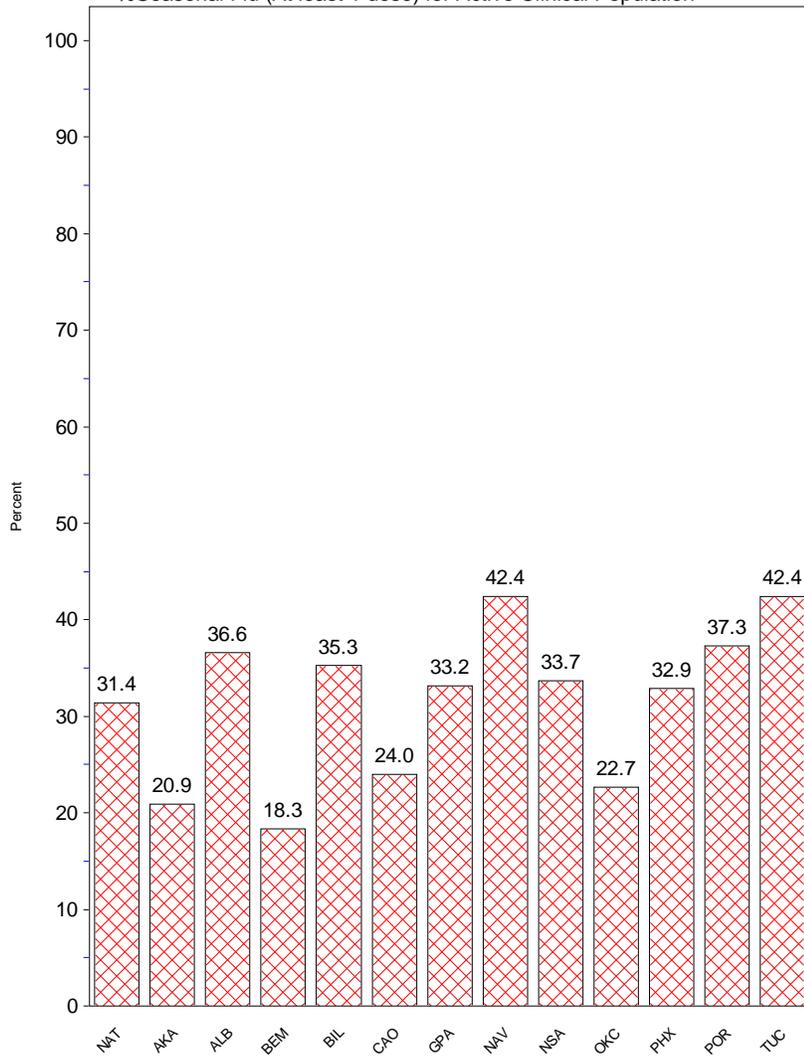
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 1/30/16
%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	307
ALASKA	11	66
ALBUQUERQUE	13	23
BEMIDJI	5	11
BILLINGS	13	25
CALIFORNIA	20	36
GREAT PLAINS	17	32
NASHVILLE	17	22
NAVAJO	8	22
OKLAHOMA	8	10
PHOENIX	18	31
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, Alaska Village Clinic.