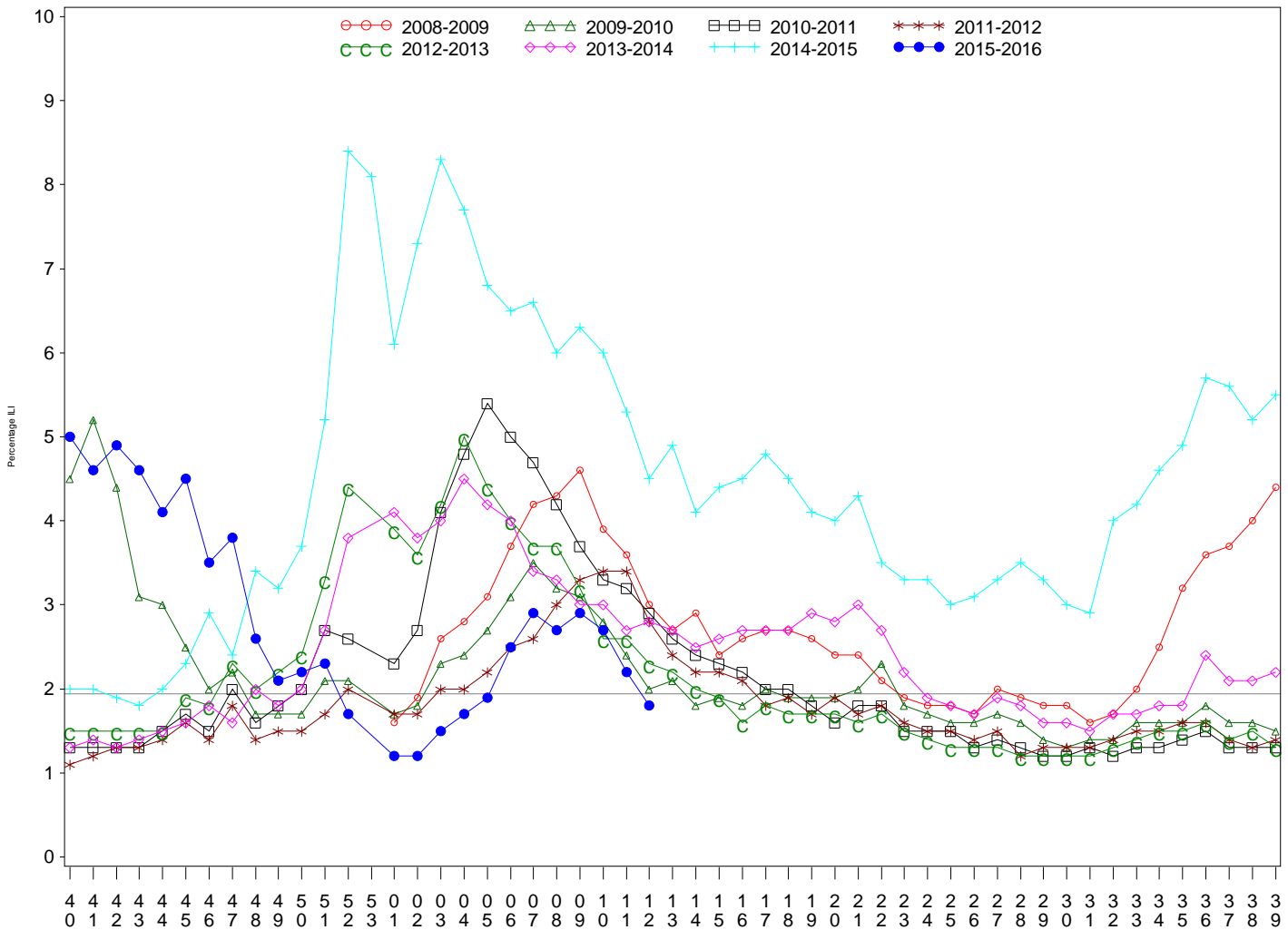




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 12: 3/20/2016 – 3/26/2016)

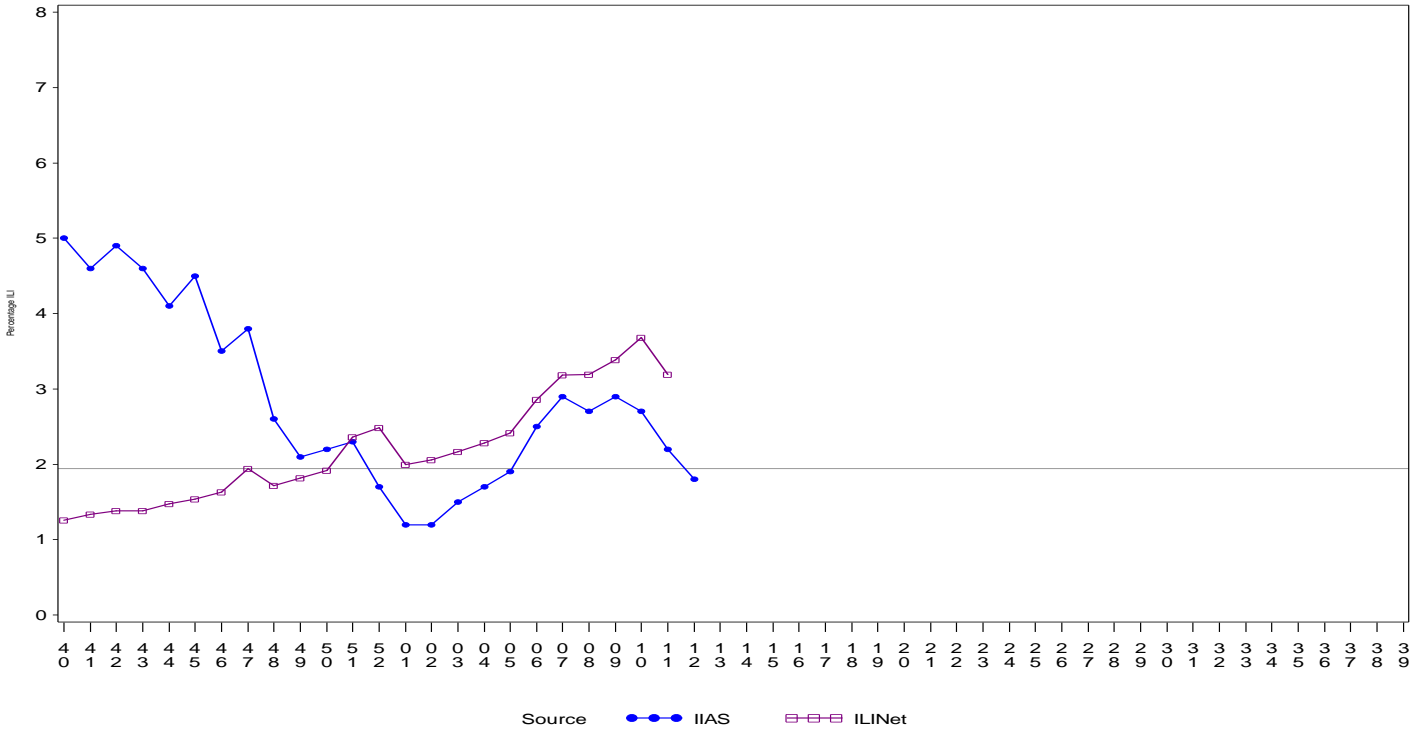
- Influenza-like-illness (ILI) activity in IHS is declining and below the national baseline.
- To date IHS has administered over 388,000 doses of influenza vaccine.
- Overall, 35% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 03/26/2016



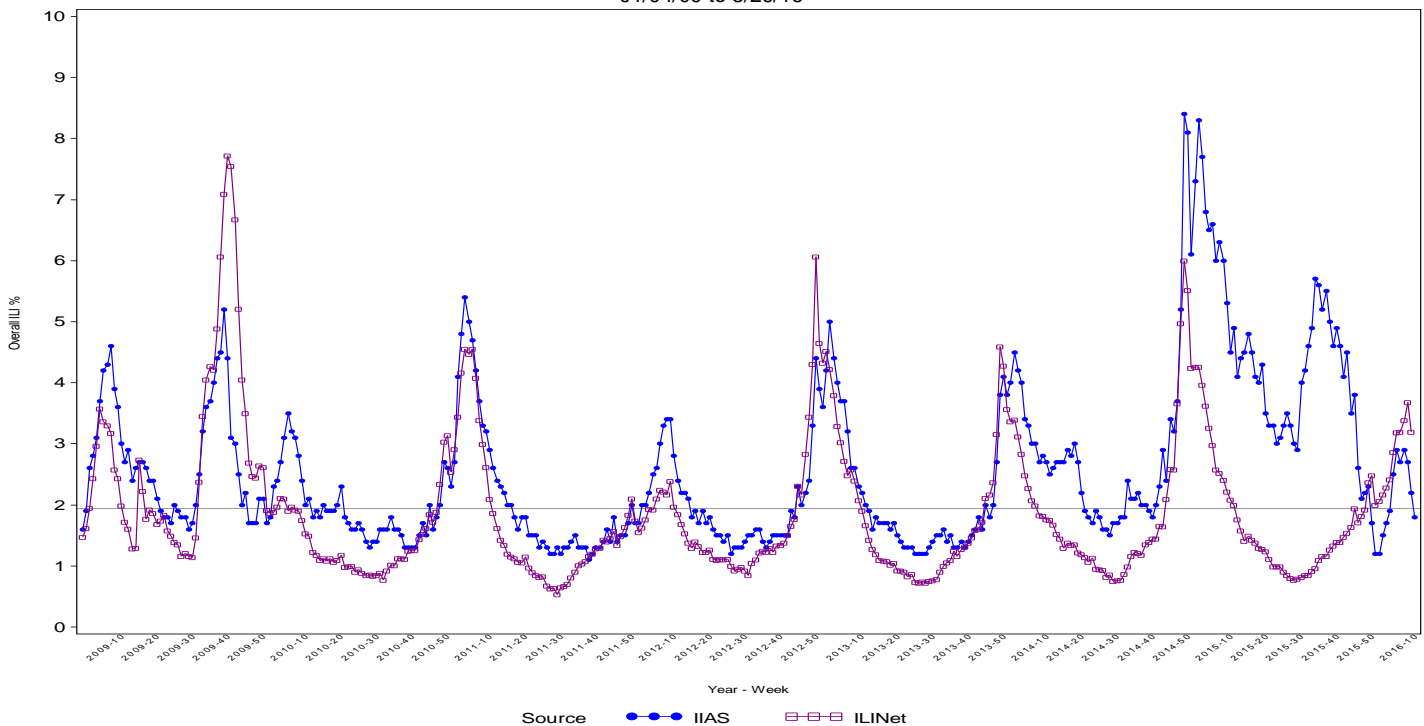
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.
 Sources: 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 3/26/16



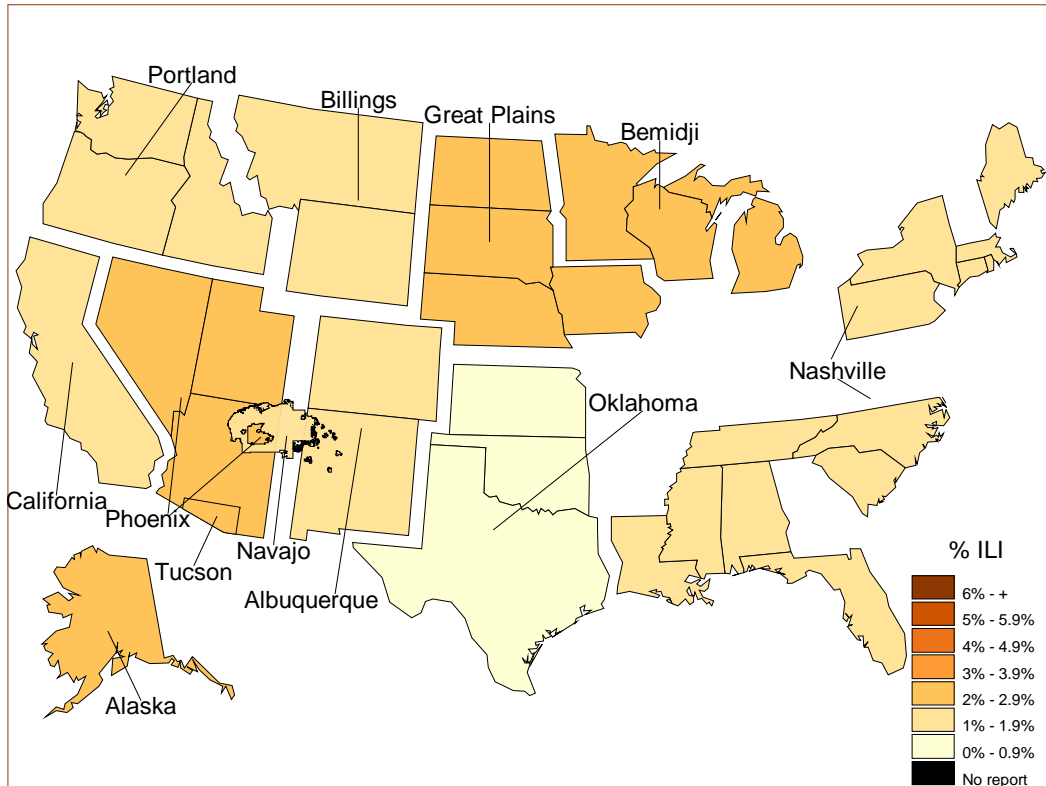
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard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

IIAS versus ILINet
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 01/04/09 to 3/26/16



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: 12



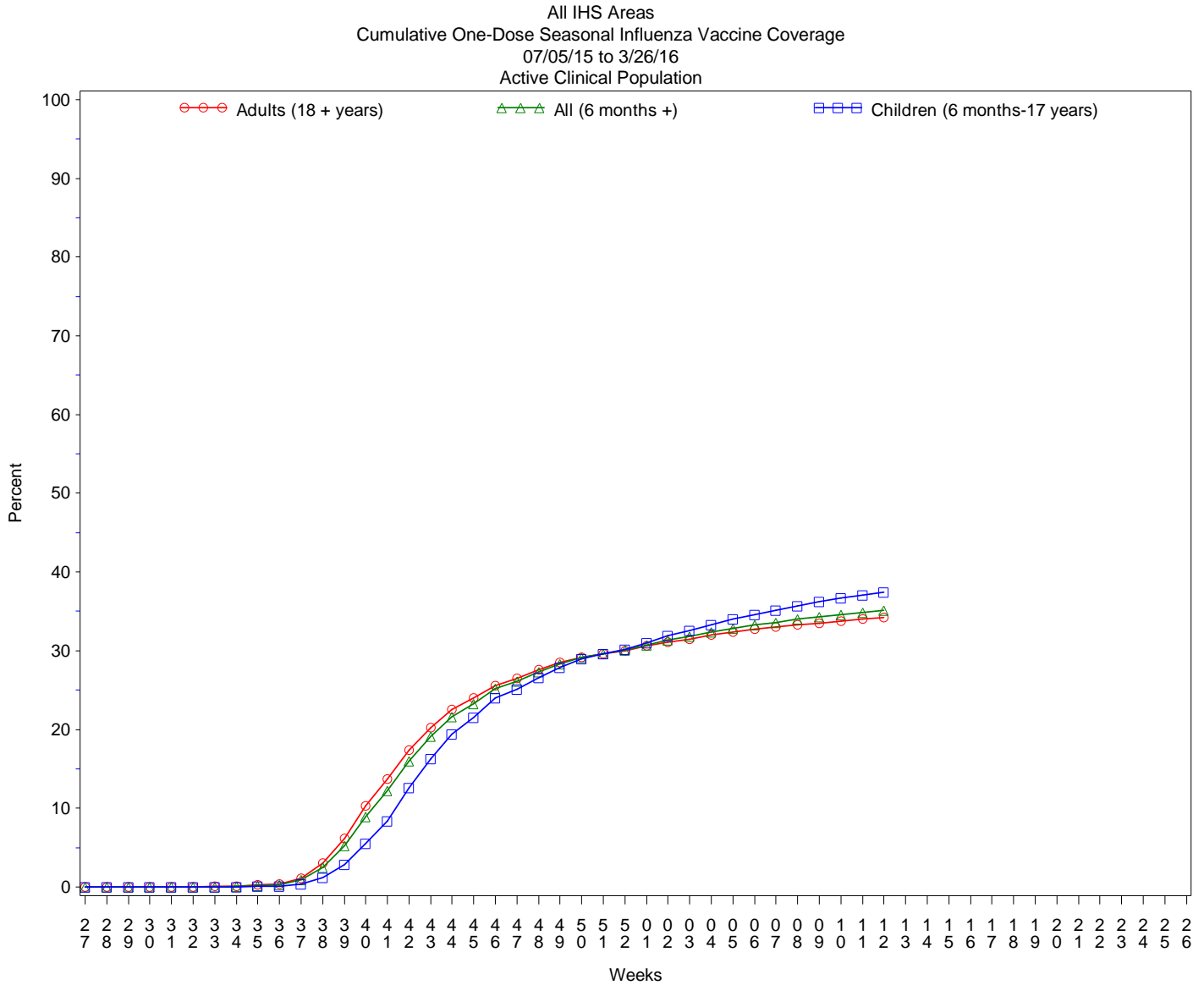
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 11	% in Week 12
NATIONAL	2.2	1.8
ALASKA	2.4	2.2
ALBUQUERQUE	2.3	1.5
BEMIDJI	2.6	2.3
BILLINGS	1.8	1.9
CALIFORNIA	1.6	1.1
GREAT PLAINS	2.5	2.4
NASHVILLE	2.1	1.6
NAVAJO	2.6	1.9
OKLAHOMA	0.9	0.7
PHOENIX	2.9	2.1
PORTLAND	2.0	1.7
TUCSON	2.5	2.8

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

IHS Influenza Vaccination Surveillance

- As of 3/26/2016, sites reporting to the IAS have administered 388,862 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	4,932	144	2.9	33	0.7	179
6 - 23 months	24,307	15,679	64.5	5,223	21.5	20,964
2 - 4 years	59,434	20,364	34.3	757	1.3	21,240
5 - 17 years	223,090	78,655	35.3	650	0.3	79,777
18 - 49 years	464,198	127,849	27.5	981	0.2	129,870
50 - 64 years	193,241	81,246	42.0	685	0.4	82,586
65 + years	110,148	53,303	48.4	629	0.6	54,425
Children (6 months-17 years)	306,831	114,698	37.4	6,630	2.2	121,981
Adults (18 + years)	767,587	262,398	34.2	2,295	0.3	266,881
All (6 months +)	1,074,418	377,096	35.1	8,925	0.8	388,862

* 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	INACTIV E 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	CV X 166	Proc 99.52 Vac Inf	ICD-9 V04.81 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	34	298	4	344	380	1091	3	1009	5101	84	.	4620	506	91	.	4	213	13782
ALB	68	249	23	1539	5898	16394	1	2386	1608	1	204	1723	1100	10	.	10	390	31604
BEM	190	102	8	367	446	7071	88	1146	1852	2	3	919	342	2	.	66	124	12728
BIL	7	306	4	1140	8980	4394	1	2098	4385	1	.	743	570	2	.	15	140	22786
CAO	134	372	10	1405	2540	6253	9	1986	5960	.	1	4941	742	75	.	16	321	24765
GPA	241	963	67	538	5759	17529	1	2355	4825	4	6	5112	1779	6	.	30	120	39335
NSA	2	166	.	244	1472	6959	158	538	3161	1	10	319	95	308	.	9	182	13624
NAV	213	489	11	1074	390	73827	3	1178	11428	3	2	4576	2349	266	.	74	634	96517
OKC	1092	2966	141	2237	1695	34231	41	1986	5700	4	19	2972	1223	485	33	39	274	55138
PHX	23	633	9	2135	11852	20855	16	2497	10612	.	6	801	3028	33	2	42	437	52981
POR	34	804	28	1012	2219	12570	5	2451	3982	28	14	3372	509	545	.	96	170	27839
TUC	.	133	1	43	6175	366	2	330	1422	.	.	61	726	1	.	28	86	9374
	2038	7481	306	12078	47806	201540	328	19960	60036	128	265	30159	12969	1824	35	429	3091	400473

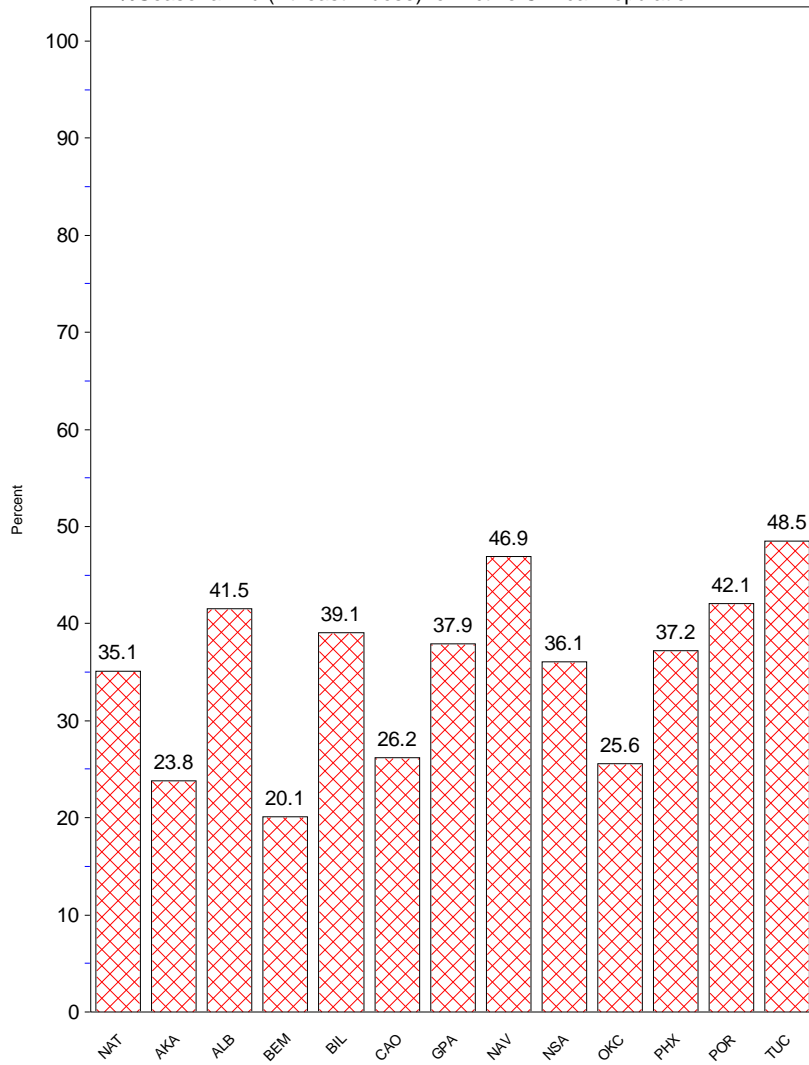
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 mons+)
07/05/15 to 03/26/16
%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	171	326
ALASKA	12	72
ALBUQUERQUE	13	22
BEMIDJI	10	17
BILLINGS	12	18
CALIFORNIA	19	35
GREAT PLAINS	18	32
NASHVILLE	19	24
NAVAJO	8	22
OKLAHOMA	18	22
PHOENIX	18	31
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, Alaska Village Clinic.