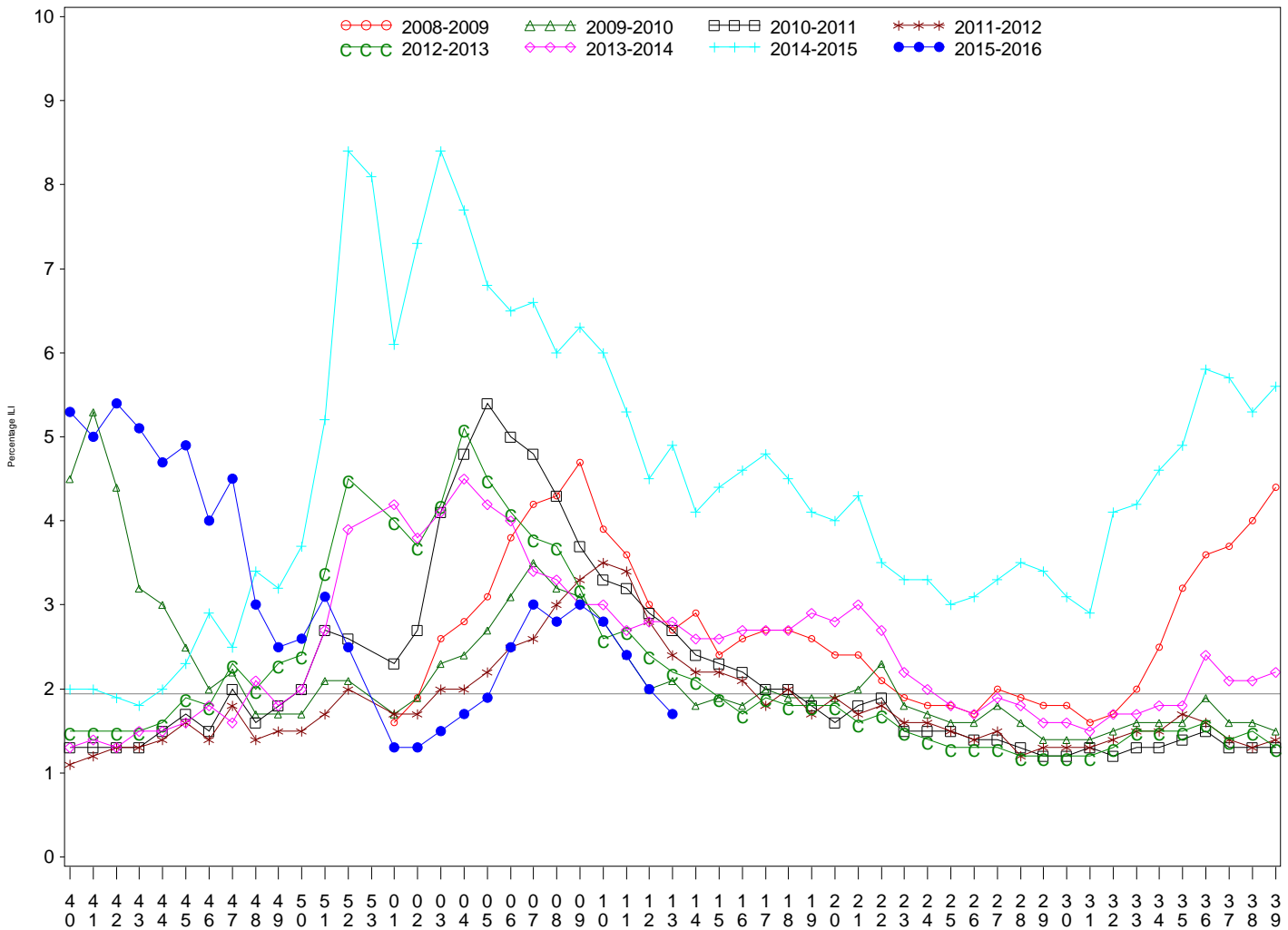




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 13: 3/27/2016 – 4/02/2016)

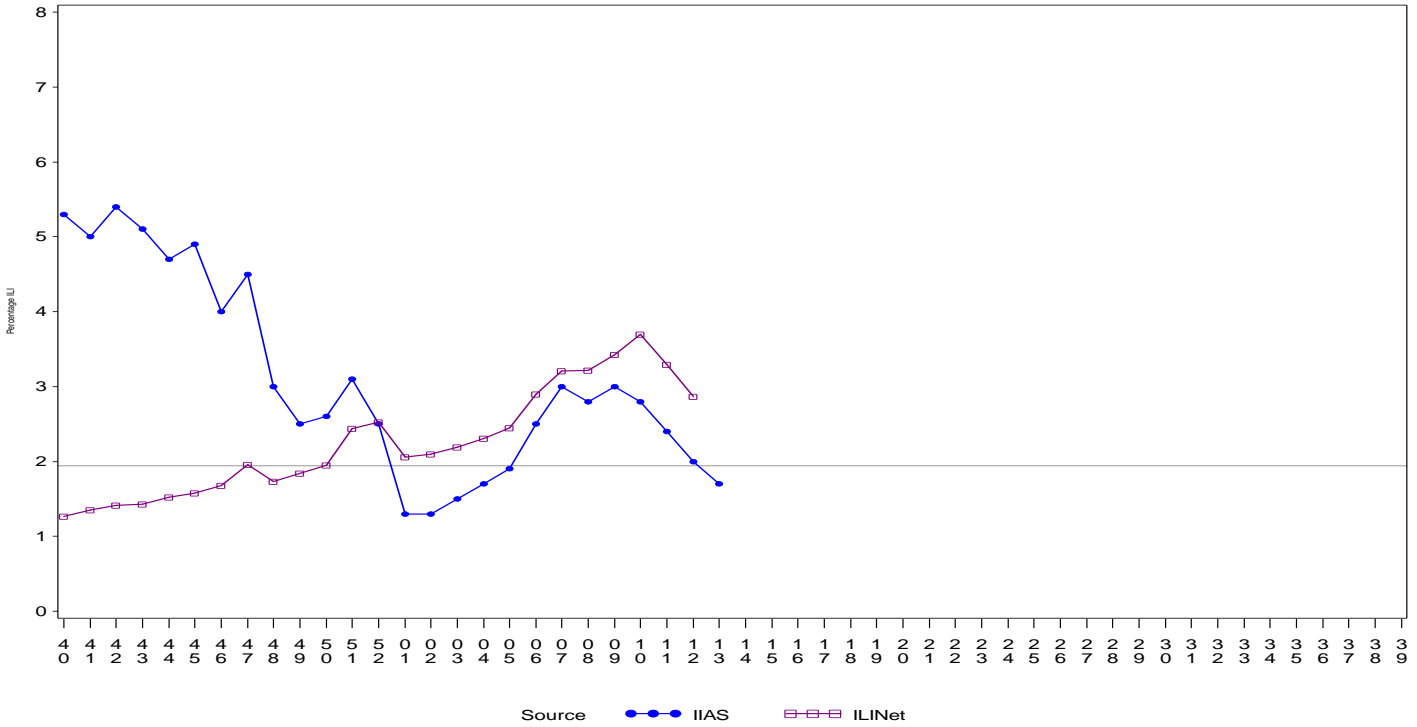
- Influenza-like-illness (ILI) activity in IHS is declining and below the national baseline.
- To date IHS has administered over 392,000 doses of influenza vaccine.
- Overall, 35% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 04/02/2016



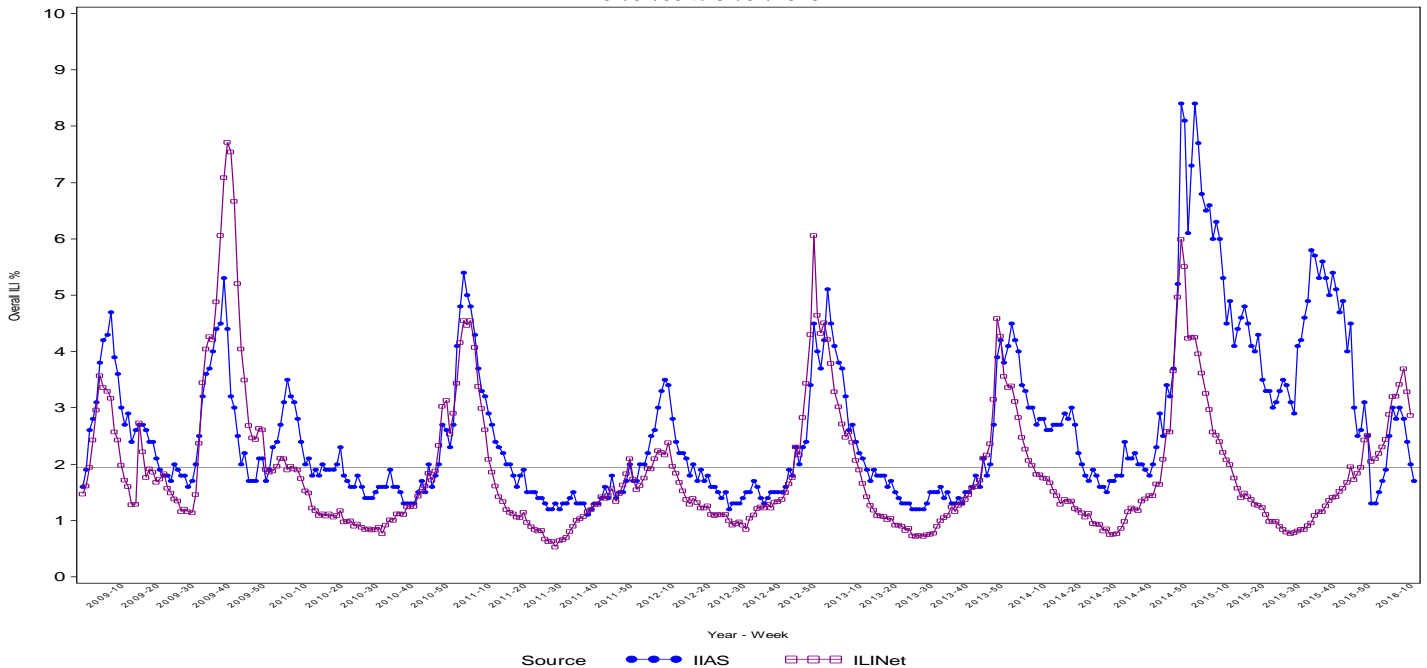
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.
 Sources: 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 4/02/16



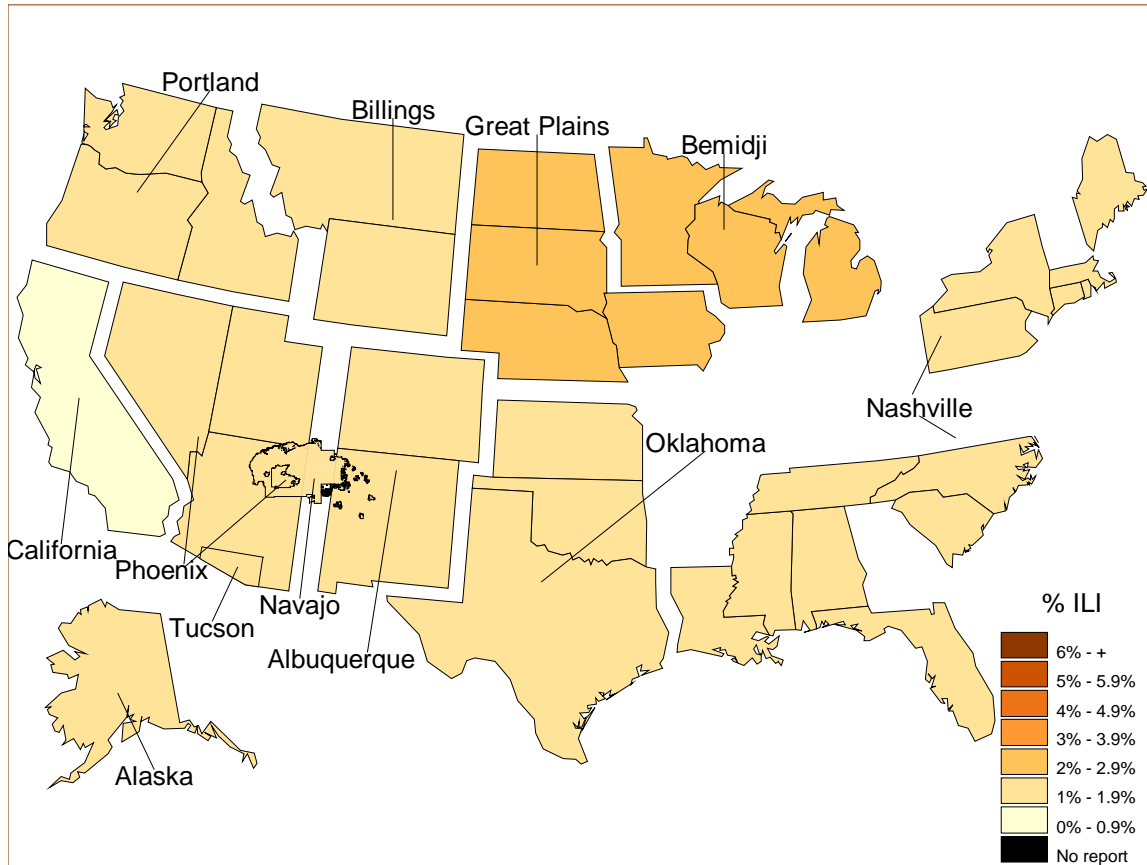
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard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

IIAS versus ILINet
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 01/04/09 to 04/02/2016



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: 13



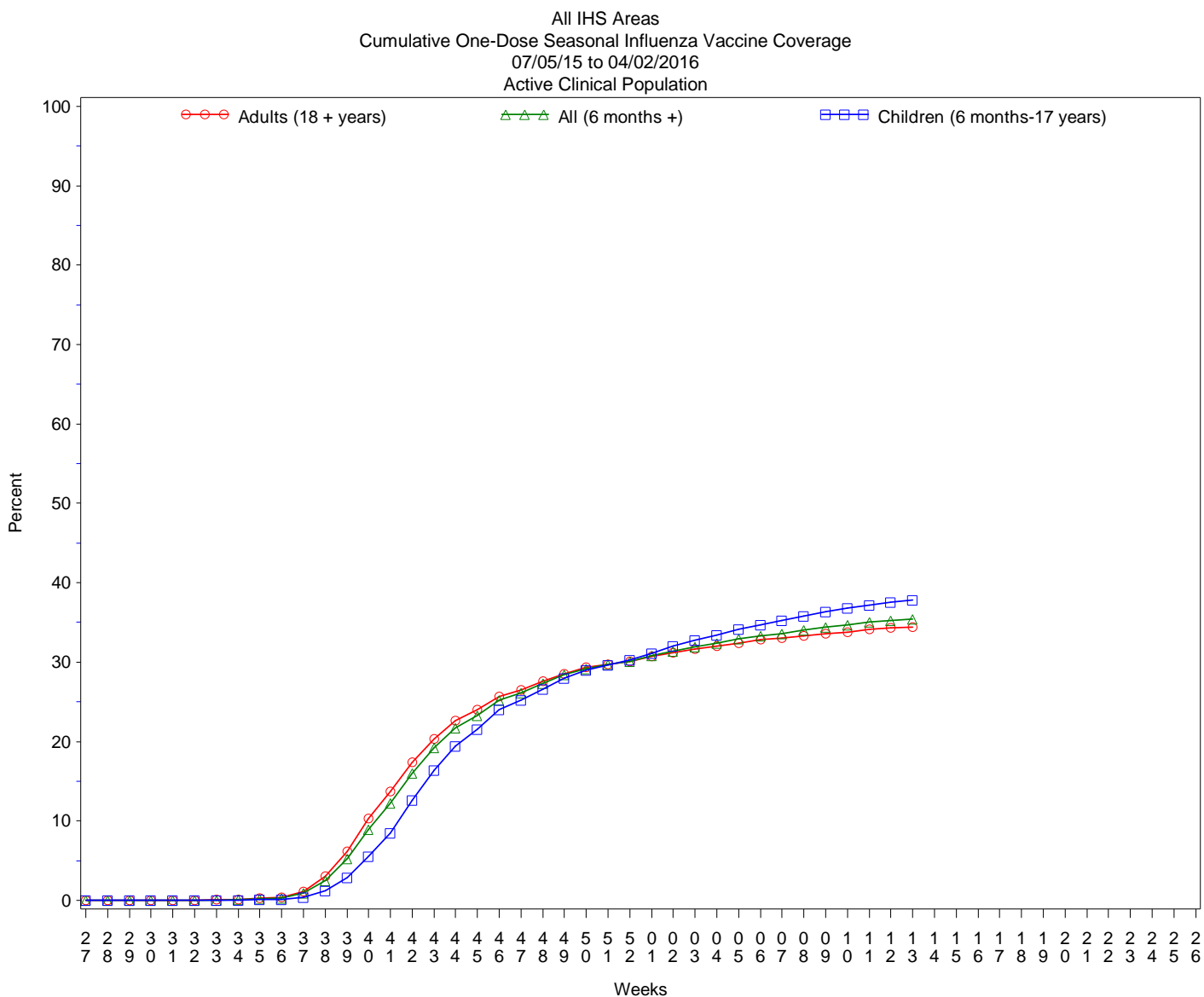
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 12	% in Week 13
NATIONAL	2.0	1.7
ALASKA	2.8	1.8
ALBUQUERQUE	1.5	1.2
BEMIDJI	2.5	2.4
BILLINGS	2.1	1.8
CALIFORNIA	1.2	0.8
GREAT PLAINS	2.6	2.3
NASHVILLE	1.6	1.8
NAVAJO	2.2	1.8
OKLAHOMA	0.8	1.2
PHOENIX	2.1	1.9
PORTLAND	1.9	1.6
TUCSON	2.9	1.7

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

IHS Influenza Vaccination Surveillance

- As of 4/02/2016, sites reporting to the IIAS have administered 392,065 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	4,884	156	3.2	33	0.7	191
6 - 23 months	24,335	15,972	65.6	5,480	22.5	21,515
2 - 4 years	59,361	20,632	34.8	780	1.3	21,531
5 - 17 years	223,130	79,244	35.5	681	0.3	80,402
18 - 49 years	464,034	128,853	27.8	996	0.2	130,894
50 - 64 years	193,290	81,668	42.3	694	0.4	83,019
65 + years	110,402	53,564	48.5	647	0.6	54,704
Children (6 months-17 years)	306,826	115,848	37.8	6,941	2.3	123,448
Adults (18 + years)	767,726	264,085	34.4	2,337	0.3	268,617
All (6 months +)	1,074,552	379,933	35.4	9,278	0.9	392,065

* 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	35	300	4	354	389	1101	3	1015	5140	96	.	4680	511	93	.	4	213	13938
ALB	72	256	23	1540	5949	16545	1	2386	1639	1	204	1738	1128	10	.	10	393	31895
BEM	195	103	8	367	448	7143	88	1156	1888	2	3	921	354	2	.	66	126	12870
BIL	7	322	4	1147	9041	4428	1	2111	4447	2	.	755	577	2	.	15	137	22996
CAO	136	378	10	1405	2554	6317	9	1988	6001	.	1	4953	749	75	.	16	322	24914
GPA	242	979	67	539	5805	17675	1	2362	4907	4	6	5155	1817	7	.	30	124	39720
NSA	3	172	.	244	1484	6997	158	539	3169	1	10	320	98	309	.	9	185	13698
NAV	233	512	11	1080	397	74337	3	1185	11605	3	2	4636	2430	271	.	74	639	97418
OKC	1100	3010	141	2247	1709	34436	41	1997	5723	5	19	2986	1251	488	33	39	274	55499
PHX	24	646	9	2138	11868	20965	16	2497	10721	.	6	804	3081	34	2	42	440	53293
POR	34	820	28	1013	2237	12625	5	2468	3999	29	14	3392	519	544	.	96	173	27996
TUC	.	133	1	43	6224	366	2	331	1449	.	.	63	752	1	.	28	87	9480
	2081	7631	306	12117	48105	202935	328	20035	60688	143	265	30403	13267	1836	35	429	3113	403717

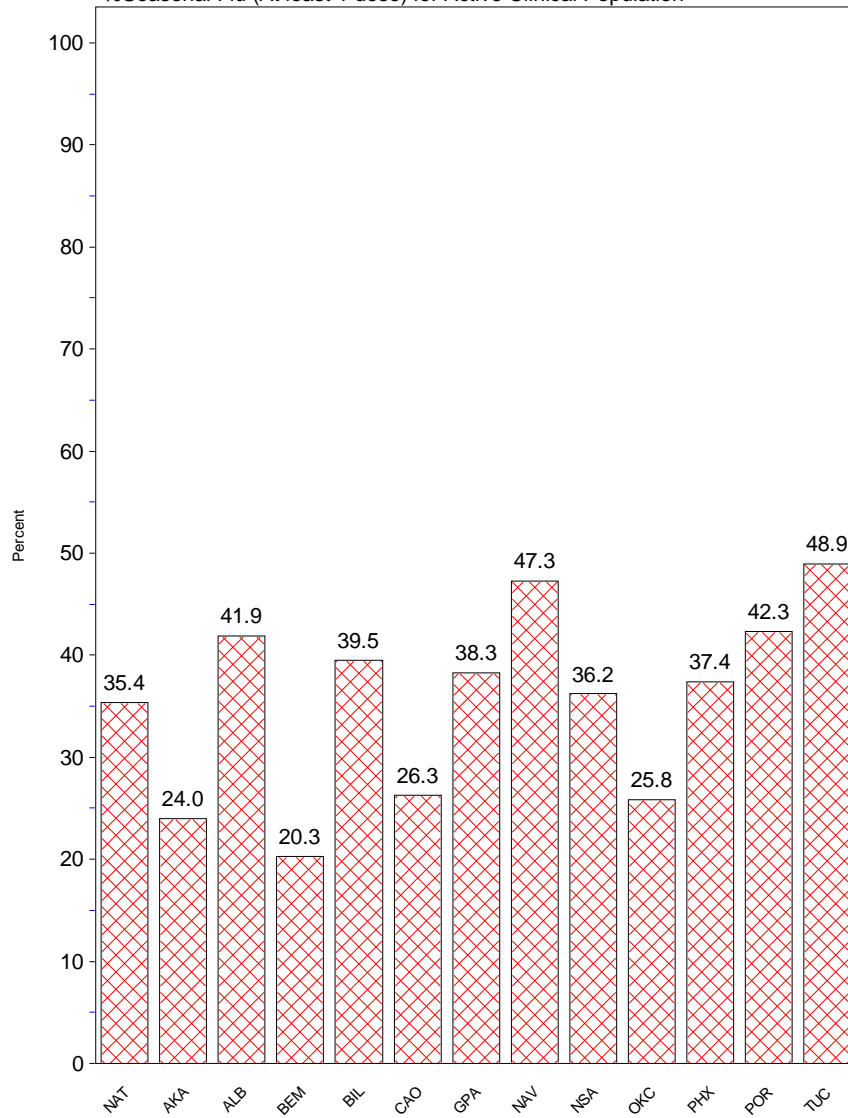
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 04/02/2016
%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	164	310
ALASKA	11	67
ALBUQUERQUE	13	21
BEMIDJI	5	11
BILLINGS	12	19
CALIFORNIA	19	35
GREAT PLAINS	18	31
NASHVILLE	18	22
NAVAJO	8	21
OKLAHOMA	18	22
PHOENIX	18	31
PORTLAND	23	26
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.