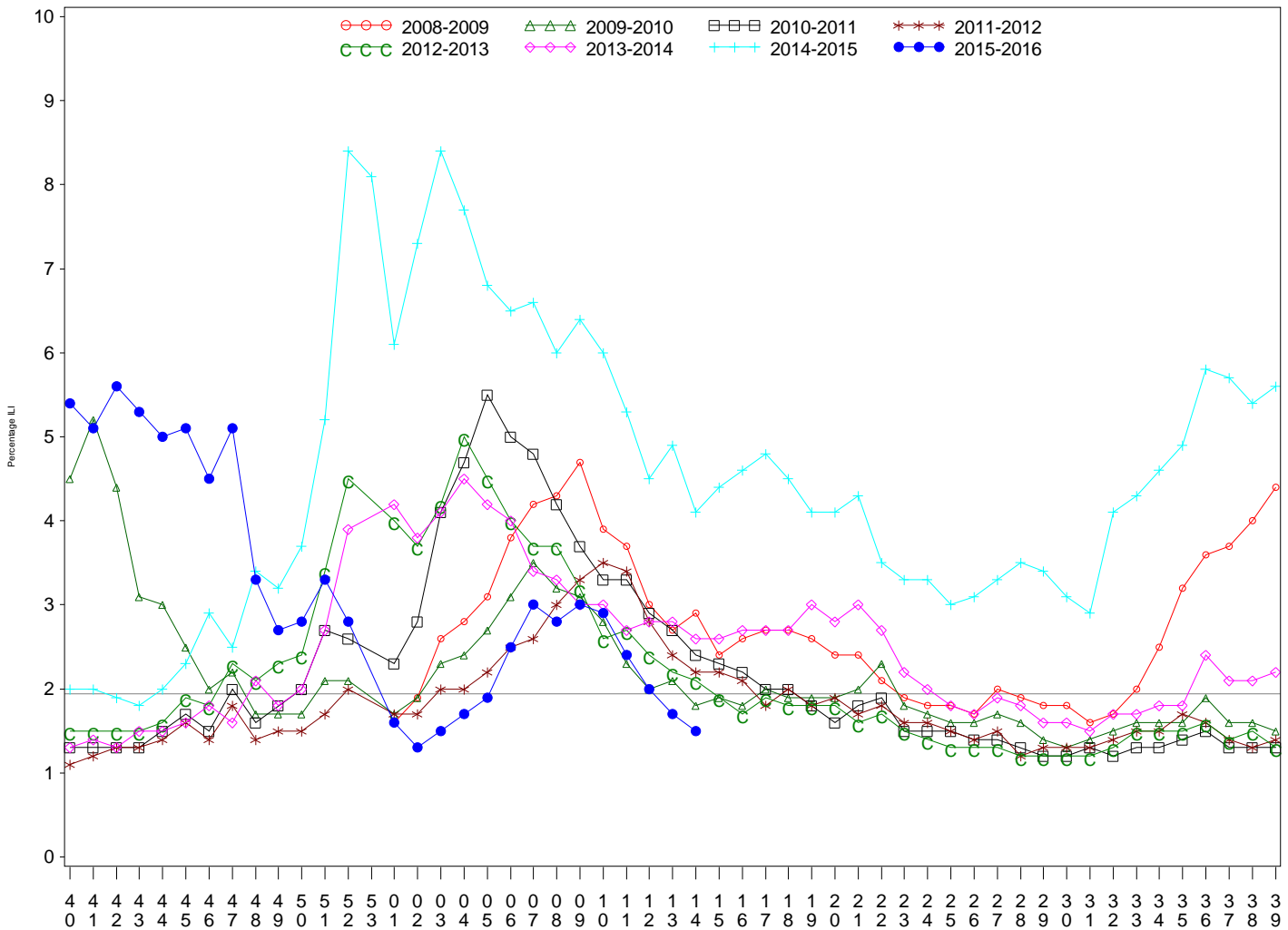




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 14: 4/3/2016 – 4/09/2016)

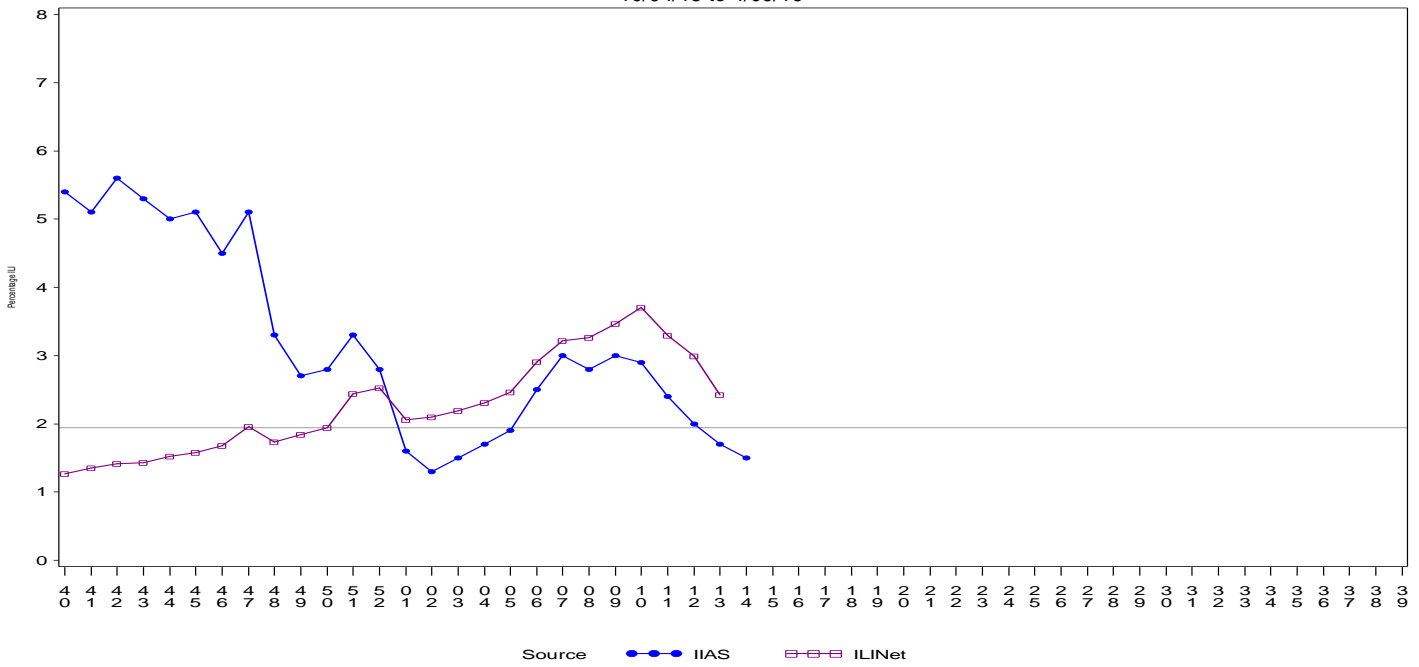
- Influenza-like-illness (ILI) activity in IHS is declining and below the national baseline.
- To date IHS has administered over 393,000 doses of influenza vaccine.
- Overall, 35% of the IHS Active Clinical population received an influenza vaccine this season.

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



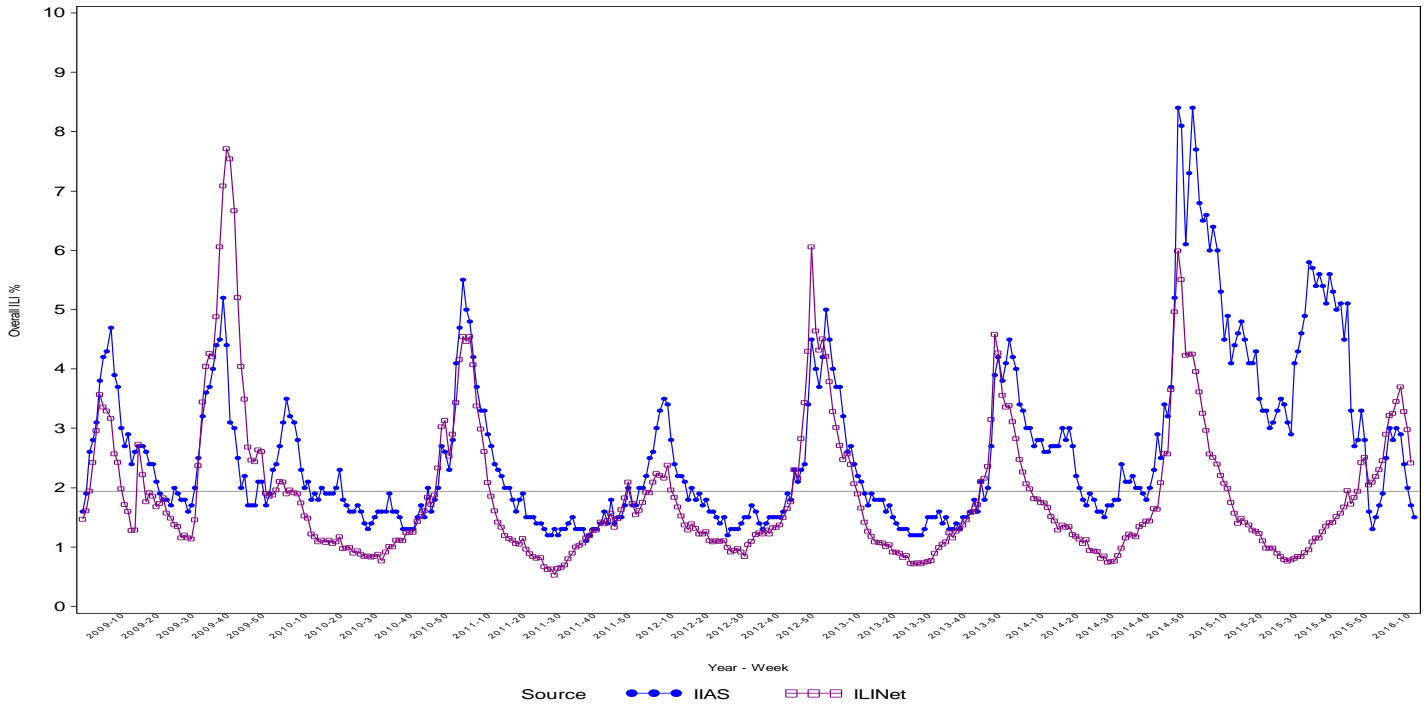
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.
 Sources: 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 4/09/16



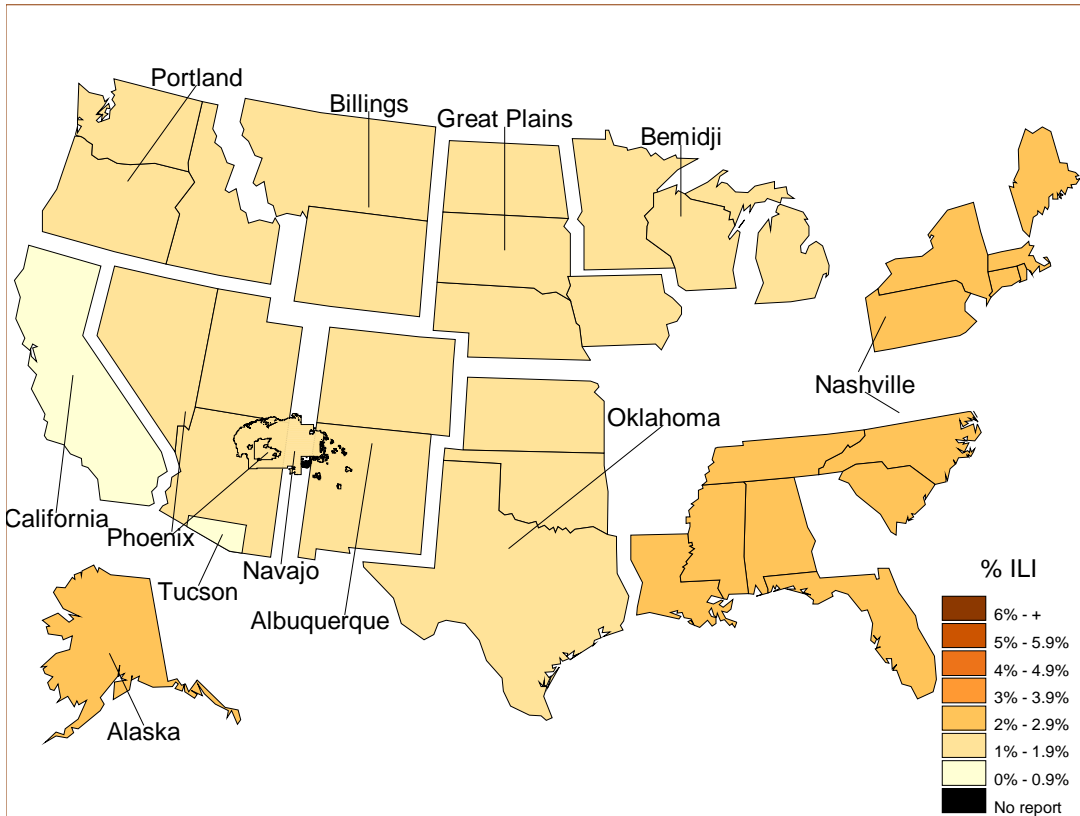
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard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

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



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: 14



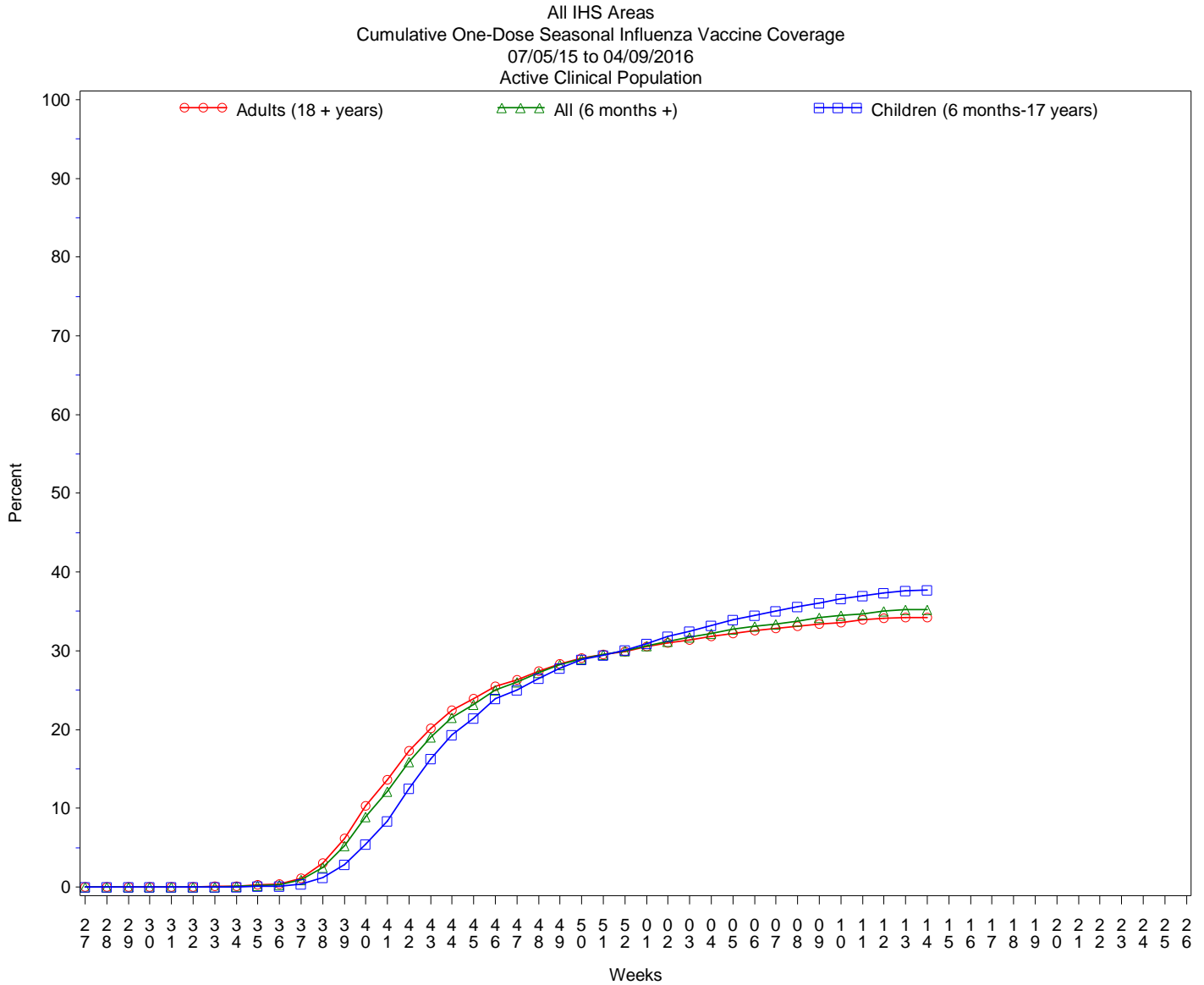
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 13	% in Week 14
NATIONAL	1.7	1.5
ALASKA	2.0	2.7
ALBUQUERQUE	1.1	1.4
BEMIDJI	2.5	1.8
BILLINGS	1.8	1.8
CALIFORNIA	0.9	0.8
GREAT PLAINS	2.4	1.6
NASHVILLE	1.8	2.1
NAVAJO	1.9	1.3
OKLAHOMA	1.2	1.0
PHOENIX	1.9	1.7
PORTLAND	1.6	1.2
TUCSON	1.7	0.9

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

IHS Influenza Vaccination Surveillance

- As of 4/09/2016, sites reporting to the IAS have administered 393,664 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	4,916	164	3.3	33	0.7	199
6 - 23 months	24,501	16,115	65.8	5,679	23.2	21,861
2 - 4 years	59,840	20,768	34.7	810	1.4	21,697
5 - 17 years	225,031	79,599	35.4	694	0.3	80,771
18 - 49 years	467,695	129,260	27.6	1,004	0.2	131,313
50 - 64 years	194,647	81,860	42.1	700	0.4	83,217
65 + years	111,130	53,659	48.3	653	0.6	54,805
Children (6 months-17 years)	309,372	116,482	37.7	7,183	2.3	124,329
Adults (18 + years)	773,472	264,779	34.2	2,357	0.3	269,335
All (6 months +)	1,082,844	381,261	35.2	9,540	0.9	393,664

* 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	36	300	4	354	394	1100	3	1015	5142	97	.	4695	512	93	.	4	215	13964
ALB	74	257	23	1540	5974	16573	1	2392	1648	1	204	1753	1140	10	.	10	393	31993
BEM	199	103	8	368	449	7152	88	1161	1895	2	3	921	355	2	.	66	126	12898
BIL	7	325	4	1151	9060	4438	1	2113	4483	3	.	757	588	2	.	15	140	23087
CAO	137	387	11	1424	2559	6504	9	2047	6054	.	1	5065	769	75	.	16	322	25380
GPA	244	983	67	540	5821	17736	1	2364	4947	4	6	5176	1833	7	.	30	117	39876
NSA	3	172	.	242	1486	7004	158	538	3175	1	10	320	98	309	.	9	186	13711
NAV	235	521	11	1081	398	74508	3	1190	11664	3	2	4641	2483	272	.	74	637	97723
OKC	1102	3011	142	2247	1714	34458	42	1998	5732	5	19	2992	1264	488	33	39	274	55560
PHX	27	654	9	2142	11975	20988	16	2499	10781	.	6	807	3145	34	2	42	441	53568
POR	37	823	28	1014	2242	12650	5	2474	4007	29	14	3395	526	544	.	96	174	28058
TUC	.	134	1	43	6288	366	2	332	1454	.	.	63	766	1	.	28	86	9564
	2101	7670	308	12146	48360	203477	329	20123	60982	145	265	30585	13479	1837	35	429	3111	405382

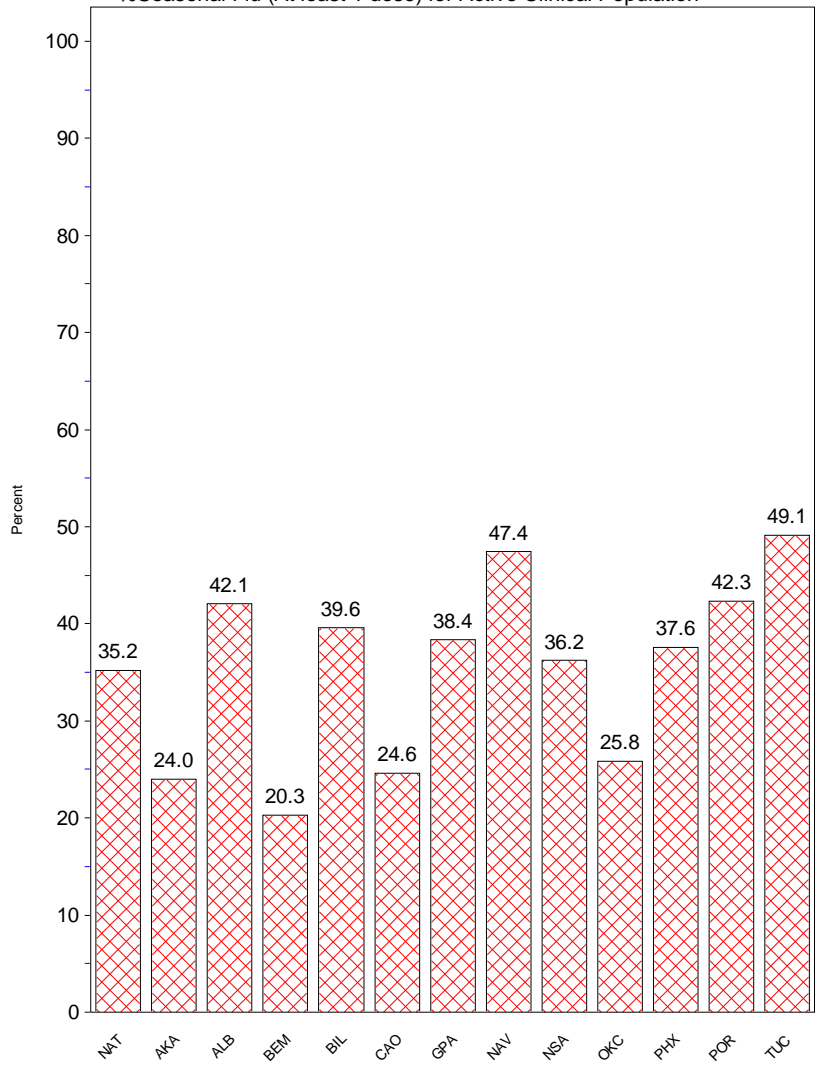
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 04/09/2016
%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	165	310
ALASKA	11	65
ALBUQUERQUE	13	21
BEMIDJI	5	10
BILLINGS	12	20
CALIFORNIA	20	36
GREAT PLAINS	18	31
NASHVILLE	18	22
NAVAJO	8	22
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.