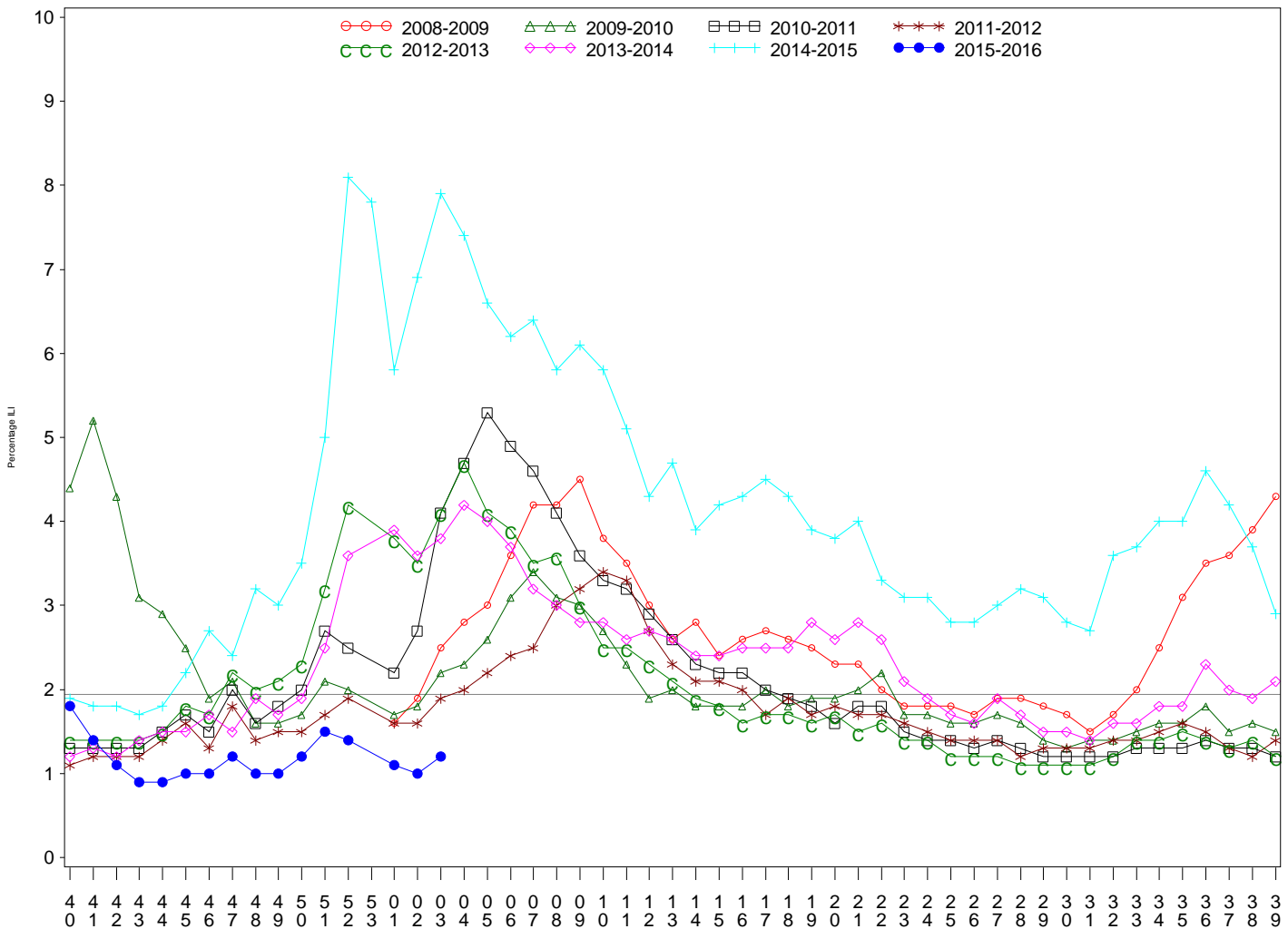




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 3: 1/17/2016 – 1/23/2016)

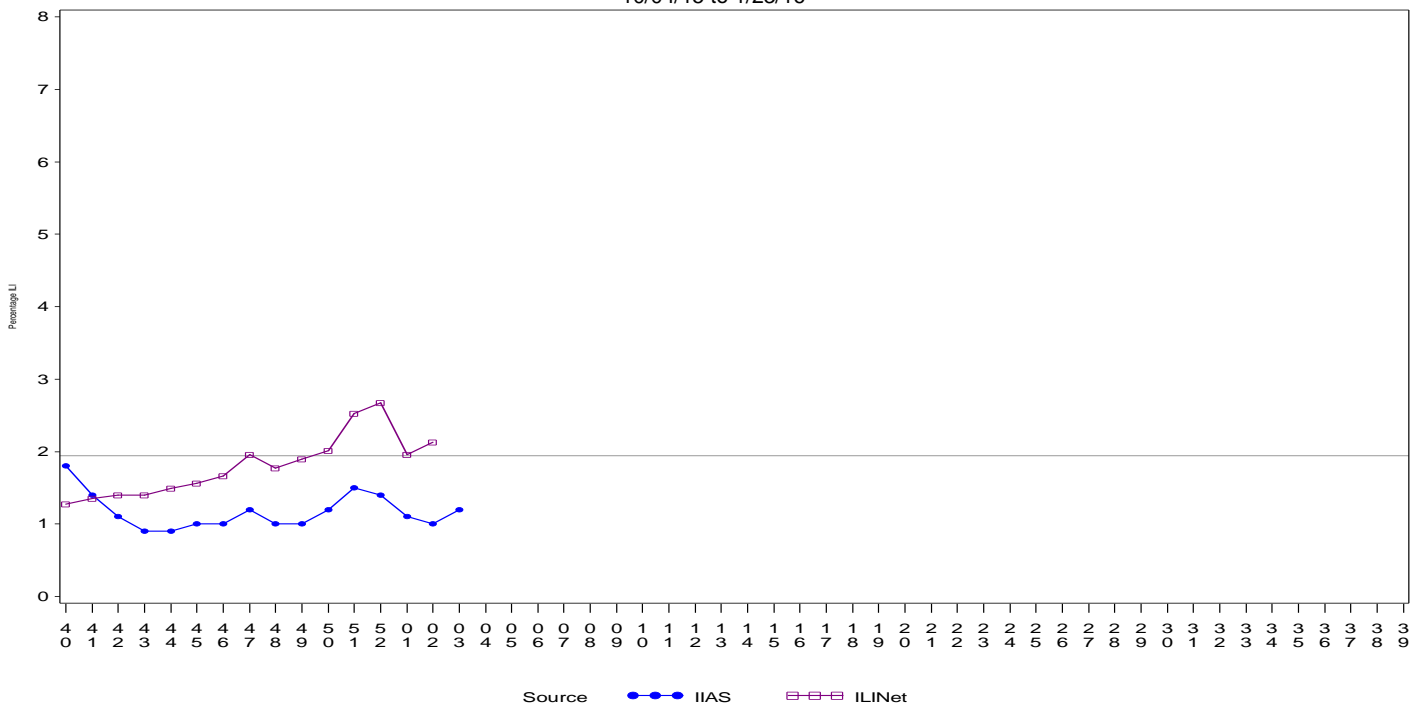
- Influenza-like-illness (ILI) activity in IHS is low, and below the national baseline.
- To date IHS has administered over 337,000 doses of influenza vaccine.
- Overall, 31% of the IHS Active Clinical population received an influenza vaccine this season.

All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 01/23/16



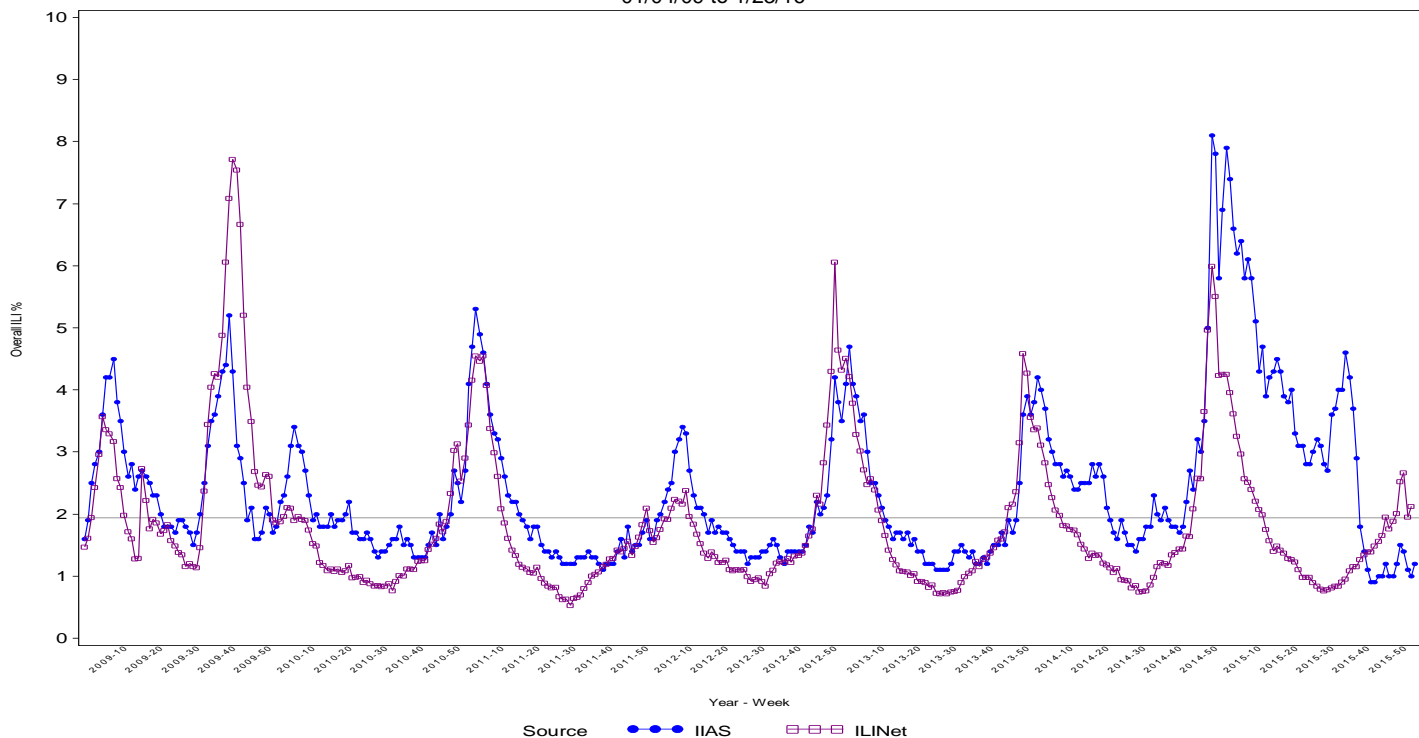
Percentage of ILI visits is number of ILI visits divided by total number of daily visits.
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.
 Sources: 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 1/23/16



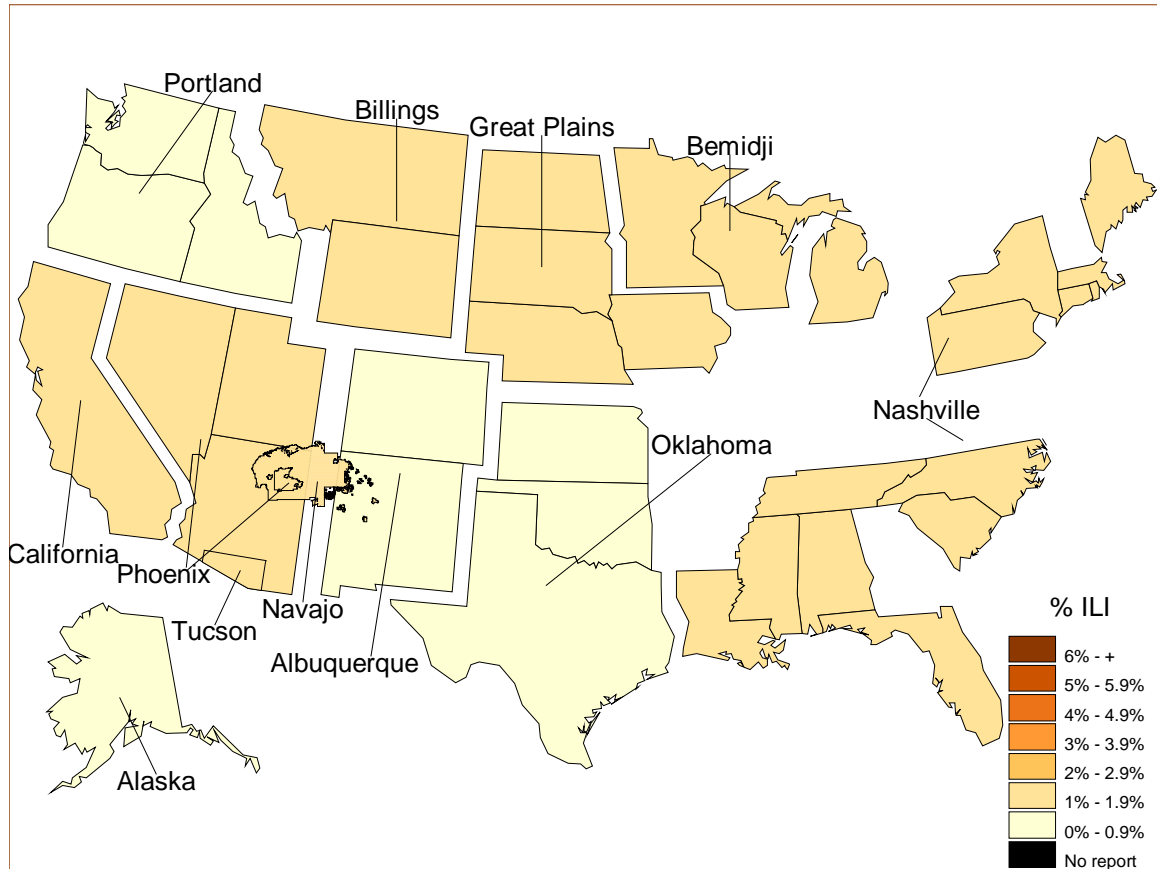
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard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

IIAS versus ILINet
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 01/04/09 to 1/23/16



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: 3



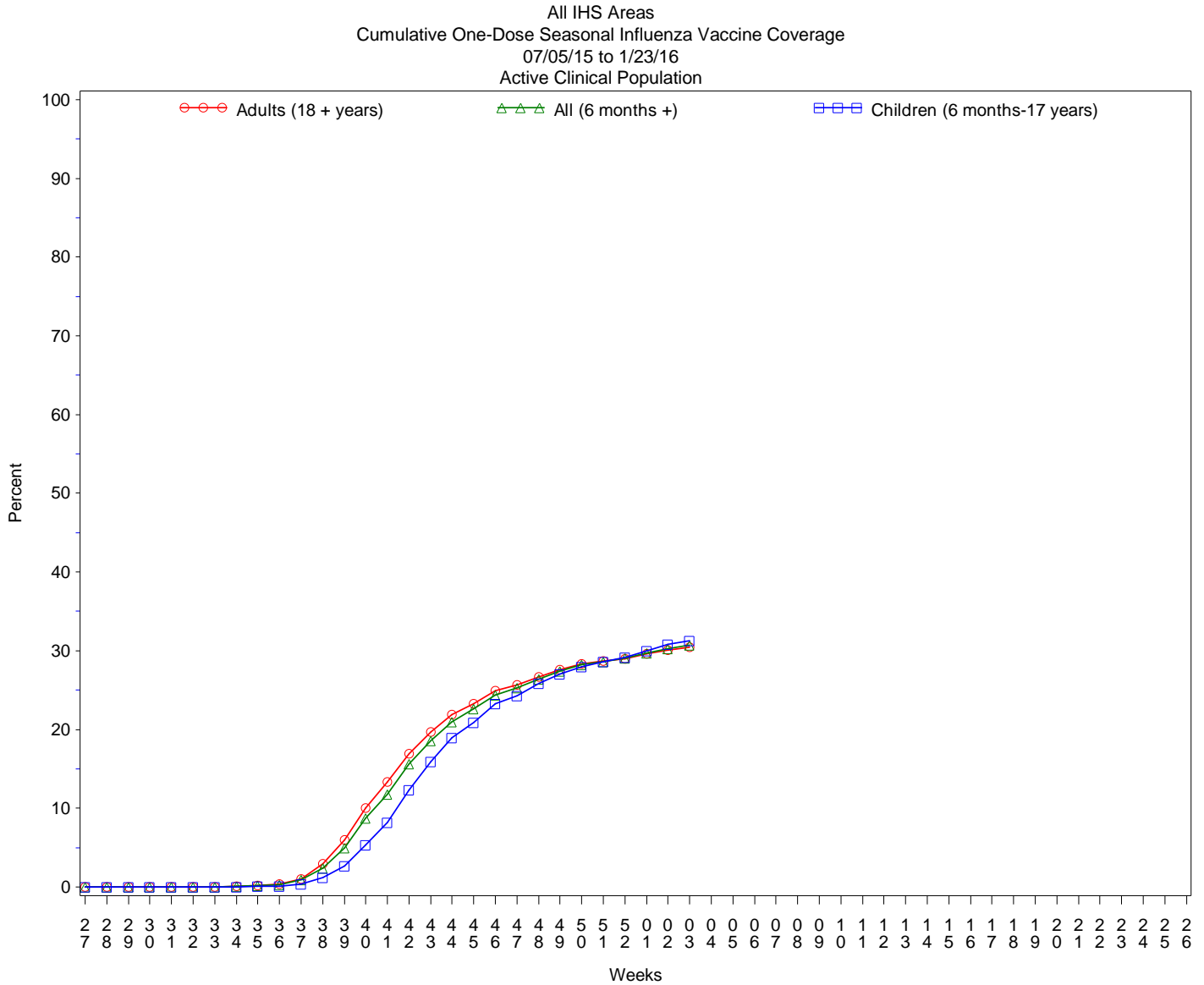
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 2	% in Week 3
NATIONAL	1.0	1.2
ALASKA	0.9	0.9
ALBUQUERQUE	0.8	0.8
BEMIDJI	1.0	1.1
BILLINGS	0.9	1.1
CALIFORNIA	0.7	1.0
GREAT PLAINS	0.9	1.1
NASHVILLE	1.6	1.4
NAVAJO	1.4	1.5
OKLAHOMA	0.7	0.8
PHOENIX	1.3	1.5
PORTLAND	1.0	0.8
TUCSON	0.7	1.6

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

IHS Influenza Vaccination Surveillance

- As of 1/23/2016, sites reporting to the IAS have administered 337,620 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	4,864	82	1.7	31	0.6	114
6 - 23 months	24,154	12,017	49.8	2,678	11.1	14,740
2 - 4 years	59,721	16,360	27.4	357	0.6	16,823
5 - 17 years	223,796	68,073	30.4	467	0.2	68,968
18 - 49 years	465,065	111,375	23.9	679	0.1	112,958
50 - 64 years	192,802	73,322	38.0	494	0.3	74,392
65 + years	109,090	48,812	44.7	473	0.4	49,739
Children (6 months-17 years)	307,671	96,450	31.3	3,502	1.1	100,531
Adults (18 + years)	766,957	233,509	30.4	1,646	0.2	237,089
All (6 months +)	1,074,628	329,959	30.7	5,148	0.5	337,620

* 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	241	3	296	344	987	3	867	4394	80	.	4017	381	21	.	4	122	11777
ALB	43	168	9	1453	4988	14192	1	2224	1295	1	199	1452	788	9	.	11	382	27215
BEM	169	64	6	342	411	6306	88	837	1534	2	3	840	258	2	.	66	111	11039
BIL	6	198	4	1101	8062	3987	1	1810	3616	.	.	662	389	1	.	15	120	19972
CAO	115	295	7	1348	2350	5407	9	1674	5203	.	1	4552	578	41	.	16	293	21889
GPA	219	778	52	516	5183	15198	1	1815	3849	1	4	4328	1203	5	.	31	94	33277
NSA	2	113	.	237	1407	6397	149	416	2989	1	9	259	75	292	.	8	149	12503
NAV	153	308	3	952	324	66302	1	1012	9297	1	2	4103	1794	114	.	72	584	85022
OKC	931	1785	117	2143	1568	30589	33	1740	4858	2	17	2582	943	411	33	40	234	48026
PHX	18	486	6	1973	10286	18774	14	2232	8675	.	6	707	2170	21	2	42	391	45803
POR	27	597	21	927	2023	10834	4	2021	3273	19	11	2843	344	497	.	94	146	23681
TUC	.	126	1	37	5416	361	2	271	1142	.	.	20	519	1	.	27	80	8003
	1700	5159	229	11325	42362	179334	306	16919	50125	107	252	26365	9442	1415	35	426	2706	348207

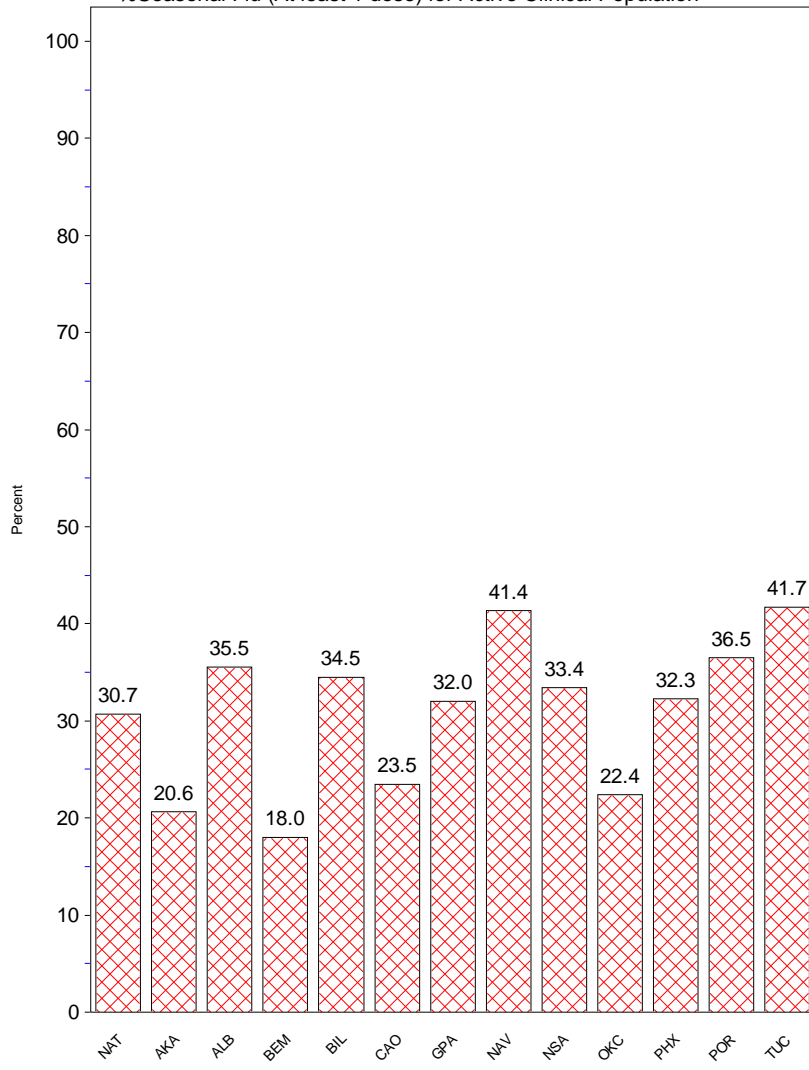
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 1/23/16
%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	166	324
ALASKA	12	70
ALBUQUERQUE	13	22
BEMIDJI	6	10
BILLINGS	13	25
CALIFORNIA	20	36
GREAT PLAINS	17	33
NASHVILLE	18	22
NAVAJO	8	22
OKLAHOMA	19	25
PHOENIX	18	31
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.