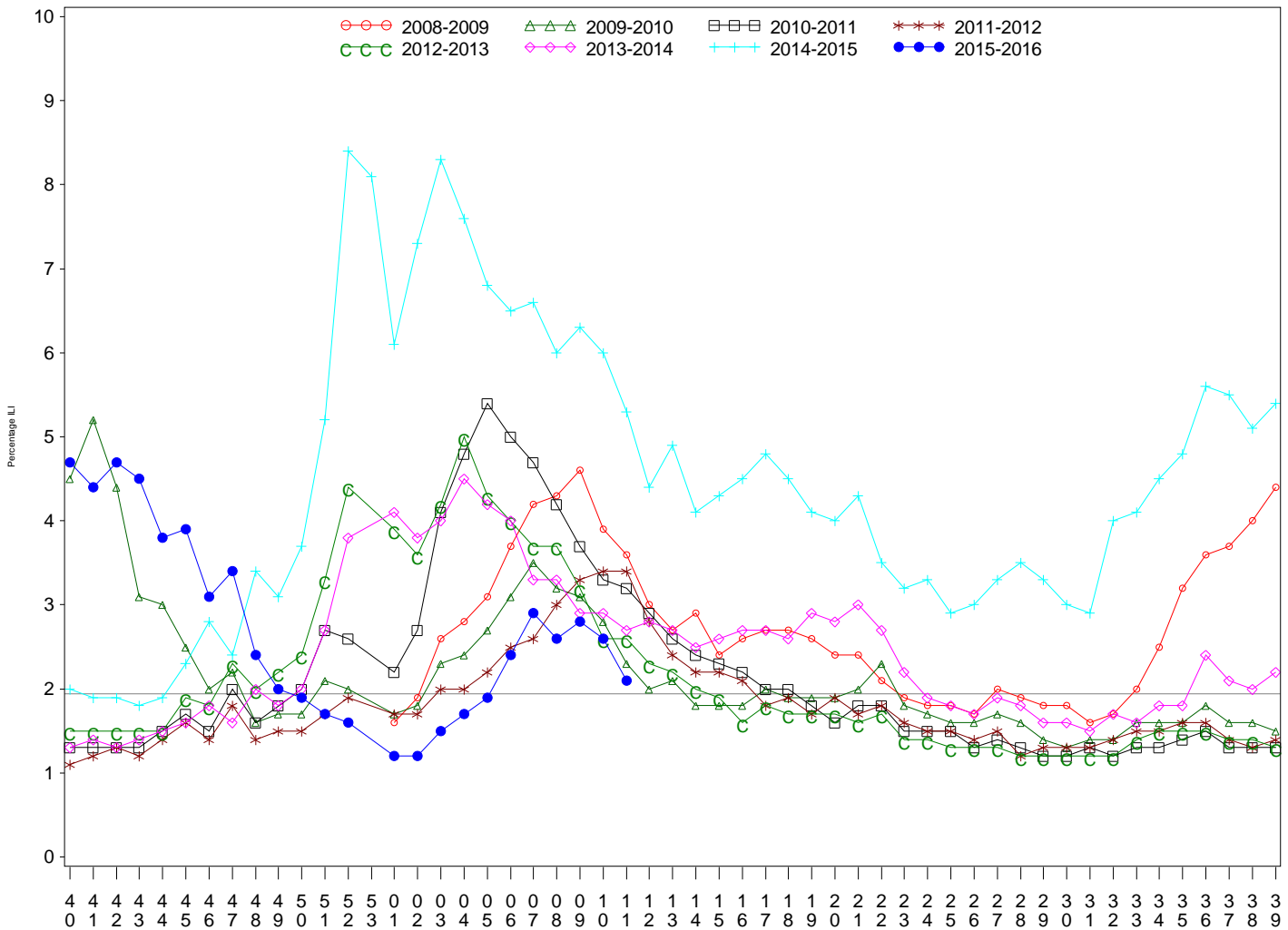




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 11: 3/13/2016 – 3/19/2016)

- Influenza-like-illness (ILI) activity in IHS is declining, but remains above the national baseline.
- To date IHS has administered over 384,000 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 03/19/2016

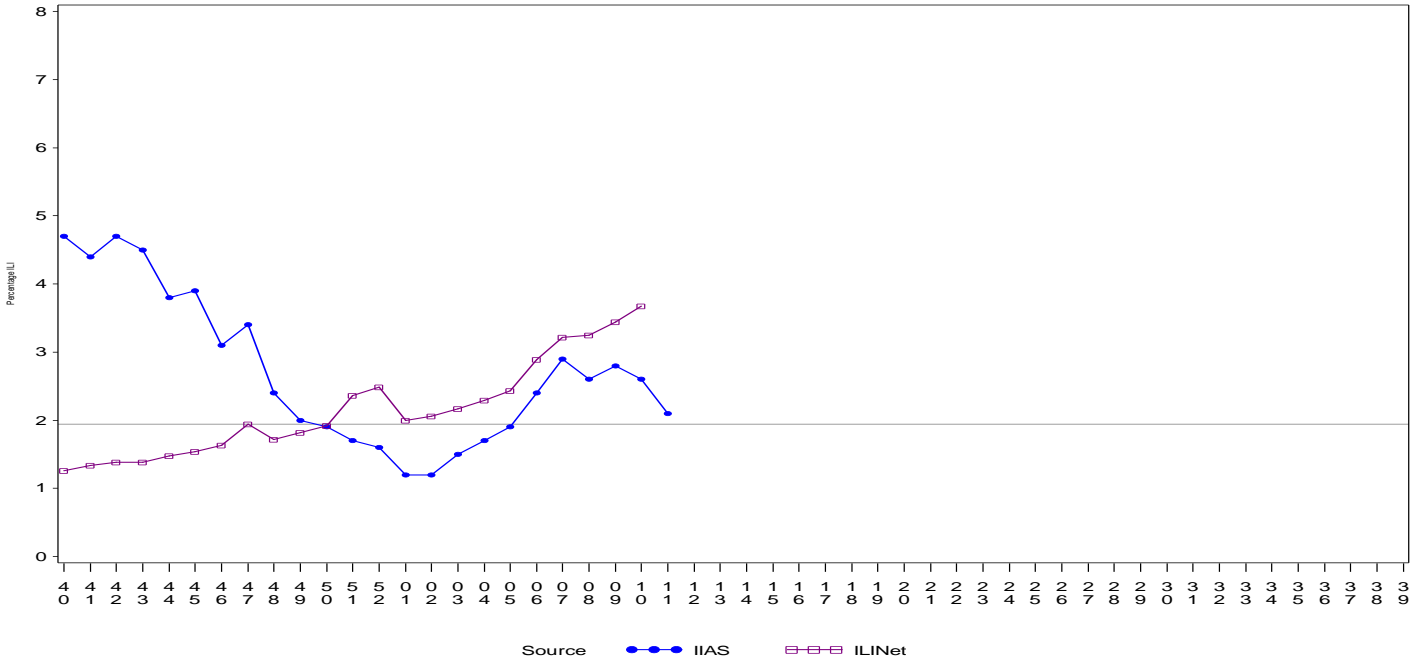


Percentage of ILI visits is number of ILI visits divided by total number of daily visits.

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.

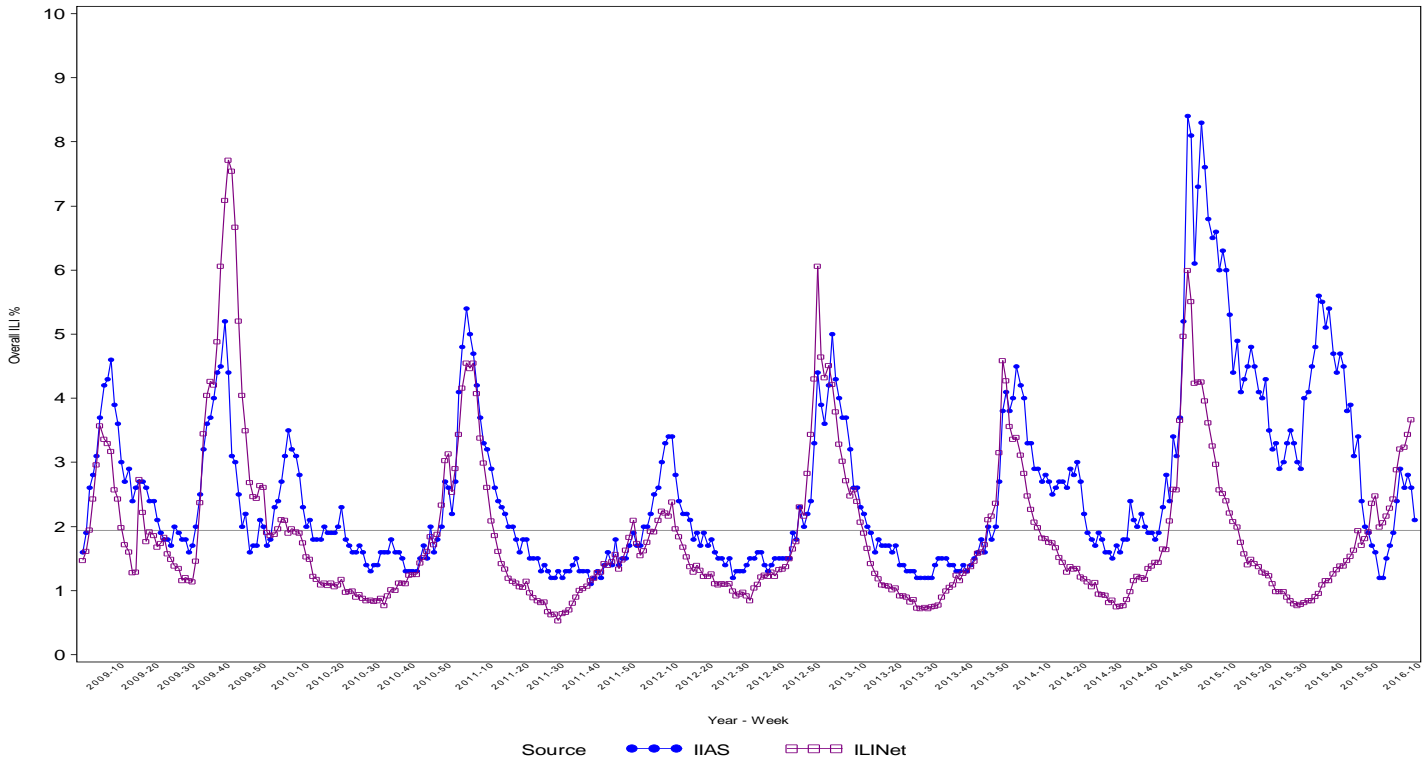
Sources: ILINet - CDC Sentinal Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Proportion of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2015 - 2016
 ILINet vs. IIAS
 10/04/15 to 3/19/16



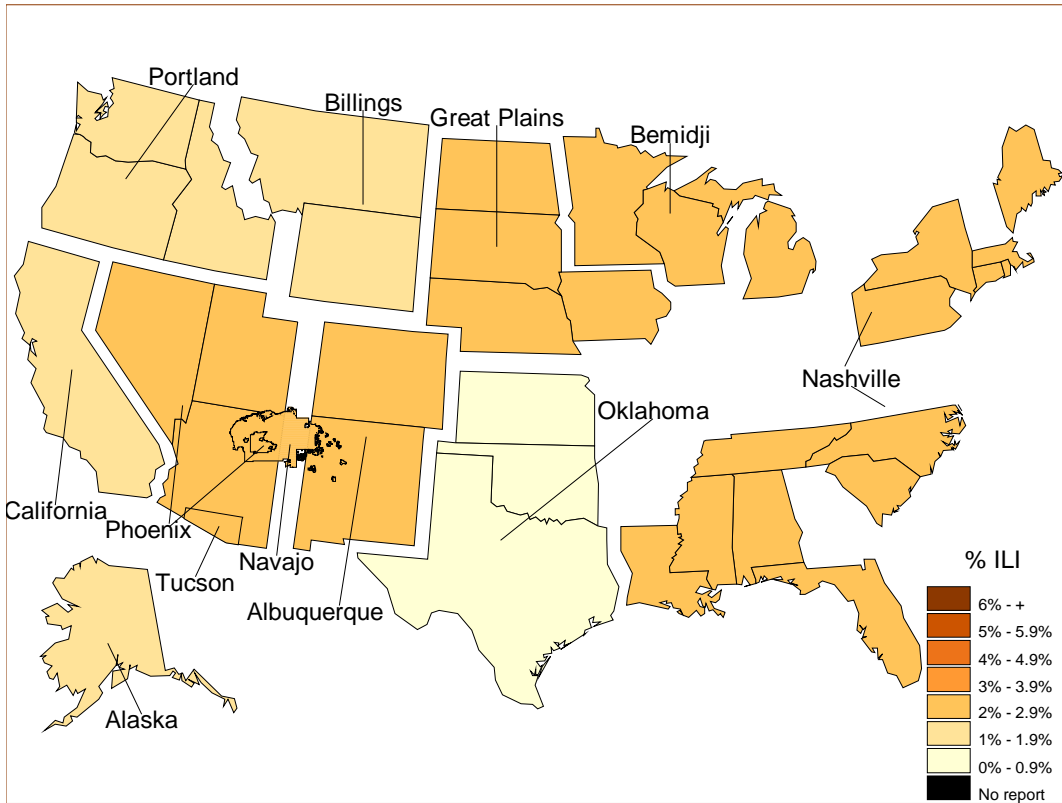
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2014-2015 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard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

IIAS versus ILINet
 Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 01/04/09 to 3/19/16



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: 11



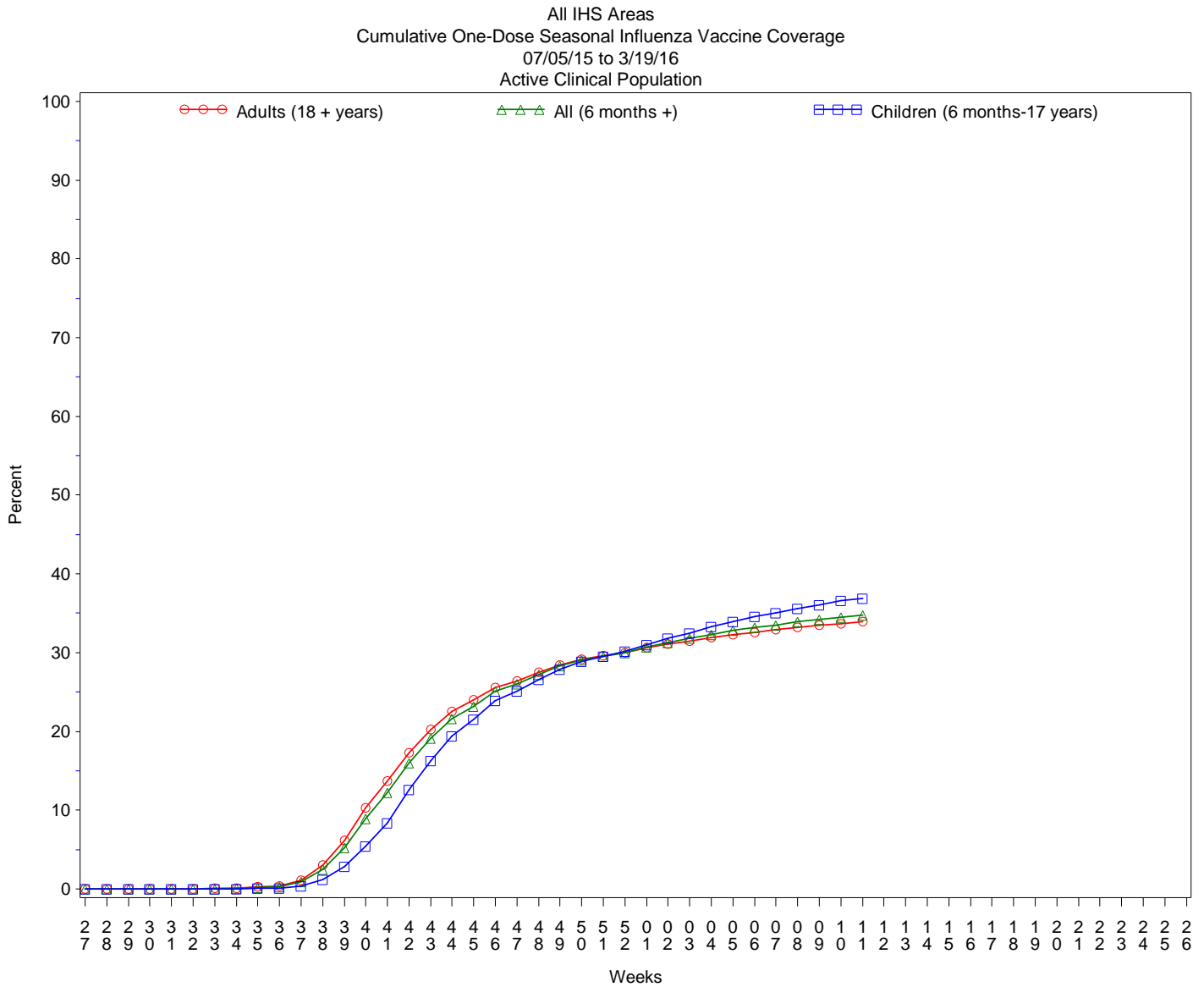
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 10	% in Week 11
NATIONAL	2.6	2.1
ALASKA	1.7	1.8
ALBUQUERQUE	2.6	2.4
BEMIDJI	3.0	2.9
BILLINGS	1.7	1.7
CALIFORNIA	1.6	1.5
GREAT PLAINS	3.5	2.3
NASHVILLE	2.5	2.0
NAVAJO	3.2	2.3
OKLAHOMA	1.2	0.8
PHOENIX	3.3	2.8
PORTLAND	2.2	1.8
TUCSON	3.1	2.3

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

IHS Influenza Vaccination Surveillance

- As of 3/19/2016, sites reporting to the IIAS have administered 384,538 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	4,929	127	2.6	33	0.7	161
6 - 23 months	24,278	15,378	63.3	4,962	20.4	20,402
2 - 4 years	59,385	20,053	33.8	715	1.2	20,885
5 - 17 years	222,807	77,807	34.9	631	0.3	78,909
18 - 49 years	463,679	126,391	27.3	953	0.2	128,380
50 - 64 years	192,992	80,563	41.7	662	0.3	81,880
65 + years	110,001	52,973	48.2	618	0.6	54,082
Children (6 months-17 years)	306,470	113,238	36.9	6,308	2.1	120,196
Adults (18 + years)	766,672	259,927	33.9	2,233	0.3	264,342
All (6 months +)	1,073,142	373,165	34.8	8,541	0.8	384,538

* 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-ccIIV3	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	32	296	4	343	376	1089	3	1002	5067	81	.	4593	494	86	.	4	205	13675
ALB	65	245	23	1529	5799	16180	1	2383	1575	1	202	1699	1075	10	.	10	387	31184
BEM	188	100	7	355	442	6864	88	1101	1783	2	3	915	325	2	.	66	117	12358
BIL	7	289	4	1135	8903	4367	1	2071	4317	1	.	734	545	2	.	15	146	22537
CAO	134	358	10	1404	2527	6160	9	1976	5911	.	1	4924	729	72	.	16	318	24549
GPA	233	935	66	538	5699	17333	1	2335	4743	4	6	5047	1756	6	.	30	106	38838
NSA	2	165	.	244	1472	6938	158	532	3157	1	10	316	94	303	.	8	179	13579
NAV	208	477	10	1066	384	73103	3	1172	11278	3	2	4542	2294	262	.	74	633	95511
OKC	1085	2904	140	2225	1688	33932	41	1970	5654	4	19	2962	1200	474	33	40	276	54647
PHX	23	619	9	2127	11725	20663	16	2491	10474	.	6	798	2937	31	2	42	434	52397
POR	34	791	28	1009	2189	12453	5	2398	3927	27	13	3341	470	545	.	96	169	27495
TUC	.	133	1	43	6104	365	2	327	1403	.	.	61	714	1	.	28	85	9267
	2011	7312	302	12018	47308	199447	328	19758	59289	124	262	29932	12633	1794	35	429	3055	396037

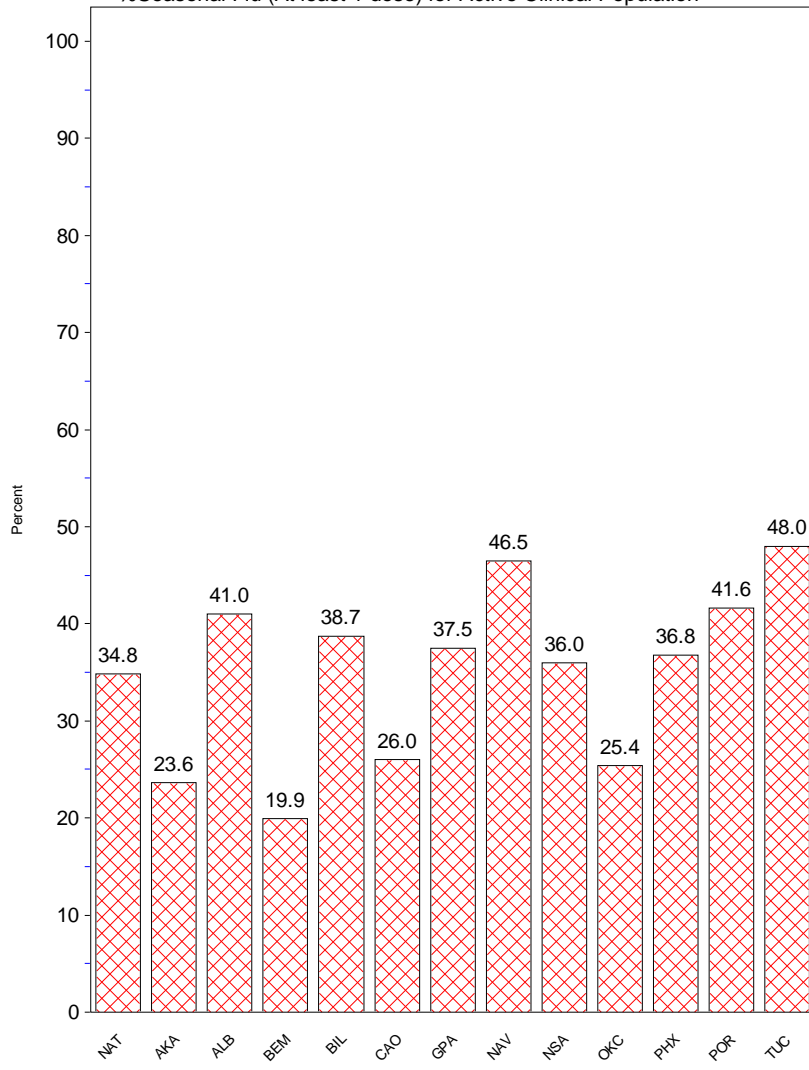
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 03/19/16
%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	164	316
ALASKA	11	69
ALBUQUERQUE	13	22
BEMIDJI	5	12
BILLINGS	12	17
CALIFORNIA	20	36
GREAT PLAINS	18	33
NASHVILLE	18	23
NAVAJO	8	22
OKLAHOMA	17	21
PHOENIX	18	30
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.