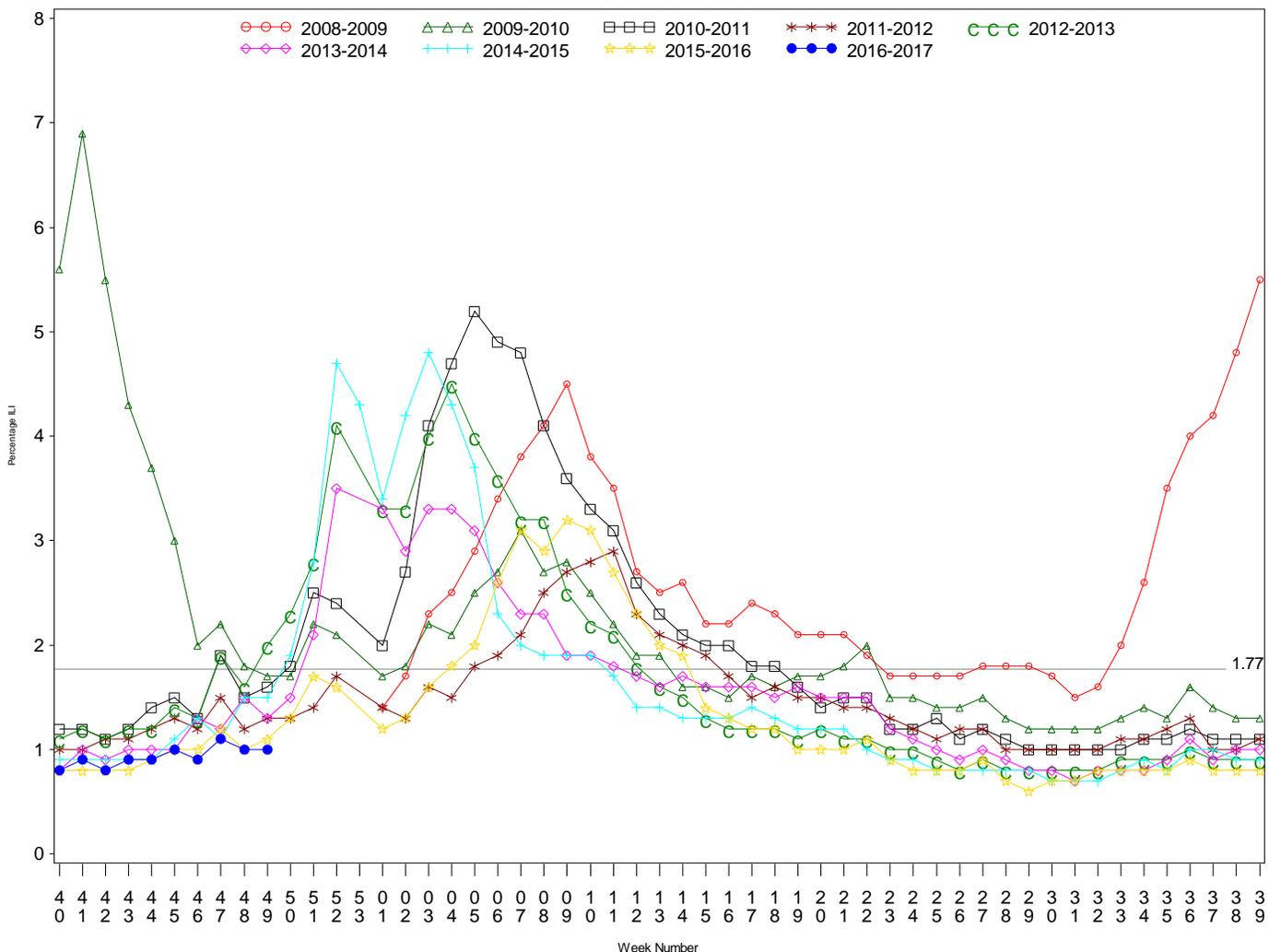




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
 (Week 49: 12/04/2016 – 12/10/2016)

- Influenza-like-illness activity is low across all IHS Regions
 - IHS ILI activity remains below the IHS threshold of 1.7%.
 - ILINet activity from CDC also remains below the ILINet baseline of 2.2%, though it has crossed the IHS threshold of 1.7%.
- To date IHS has administered over 255,000 doses of influenza vaccine.
- Overall, 27% of the IHS Active Clinical population received an influenza vaccine this season.

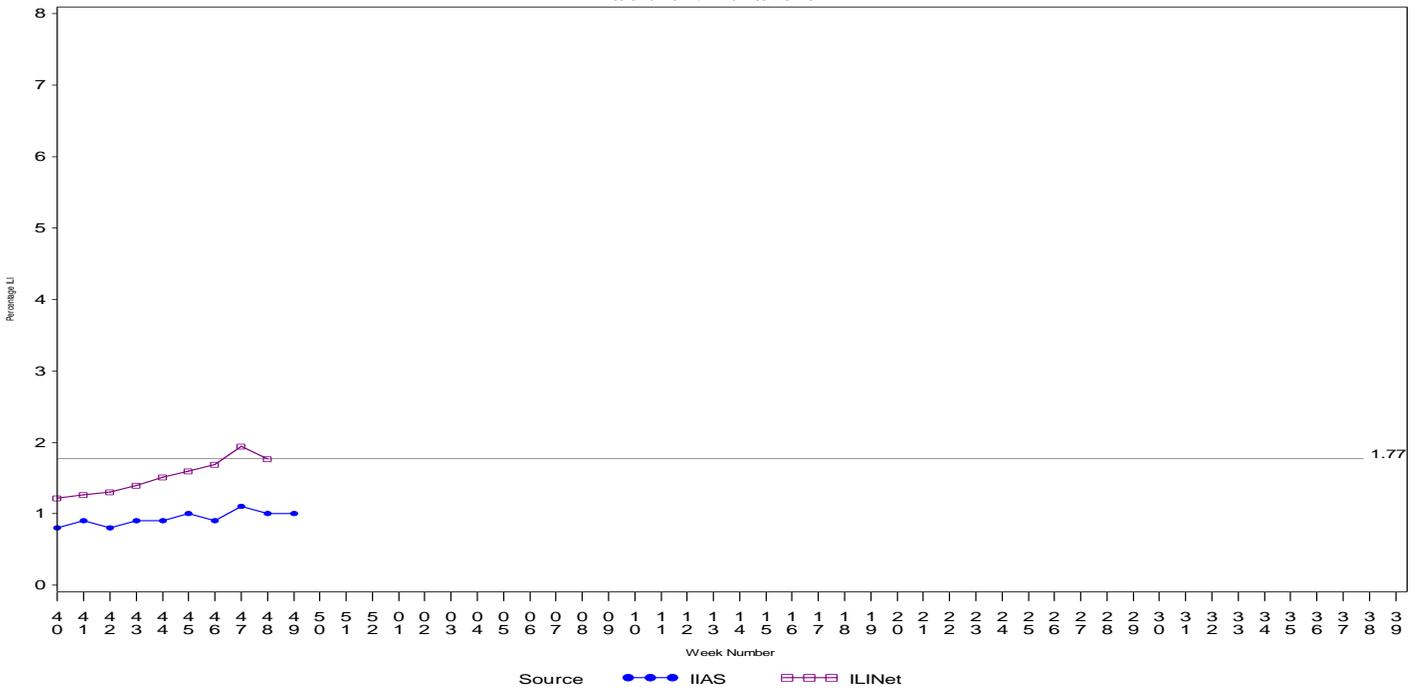
All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 12/10/2016



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS 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 Outpatient Visits for Influenza-Like Illness (ILI)

Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 12/10/2016



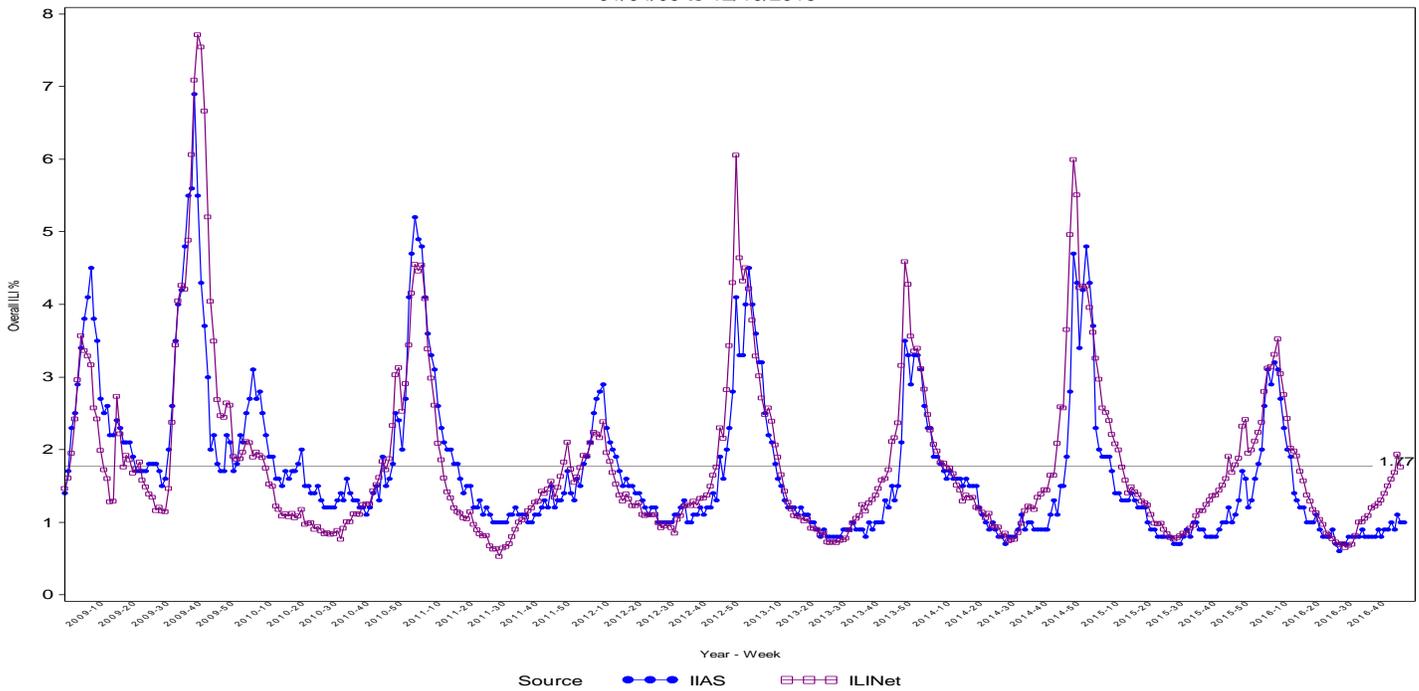
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.

Baselines are computed as the mean percentage of ILI patient visits 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

Influenza-Like Illness (ILI) All Surveillance Years - Continuous
 Percentage of Visits for ILI per week
 IIAS vs. ILINet
 01/04/09 to 12/10/2016



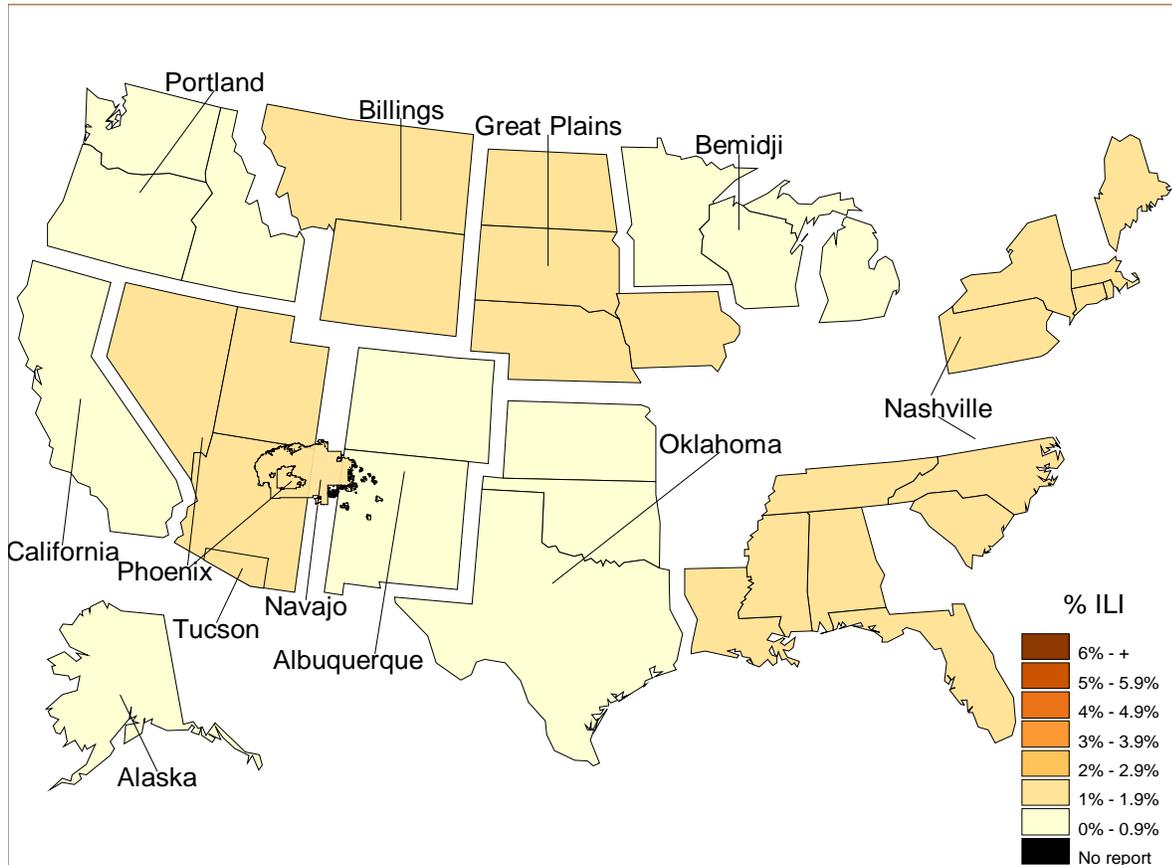
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.

The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.

Baselines are computed as the mean percentage of ILI patient visits 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

Percentage of Influenza-Like Illness Visits by Region
For Week: 49



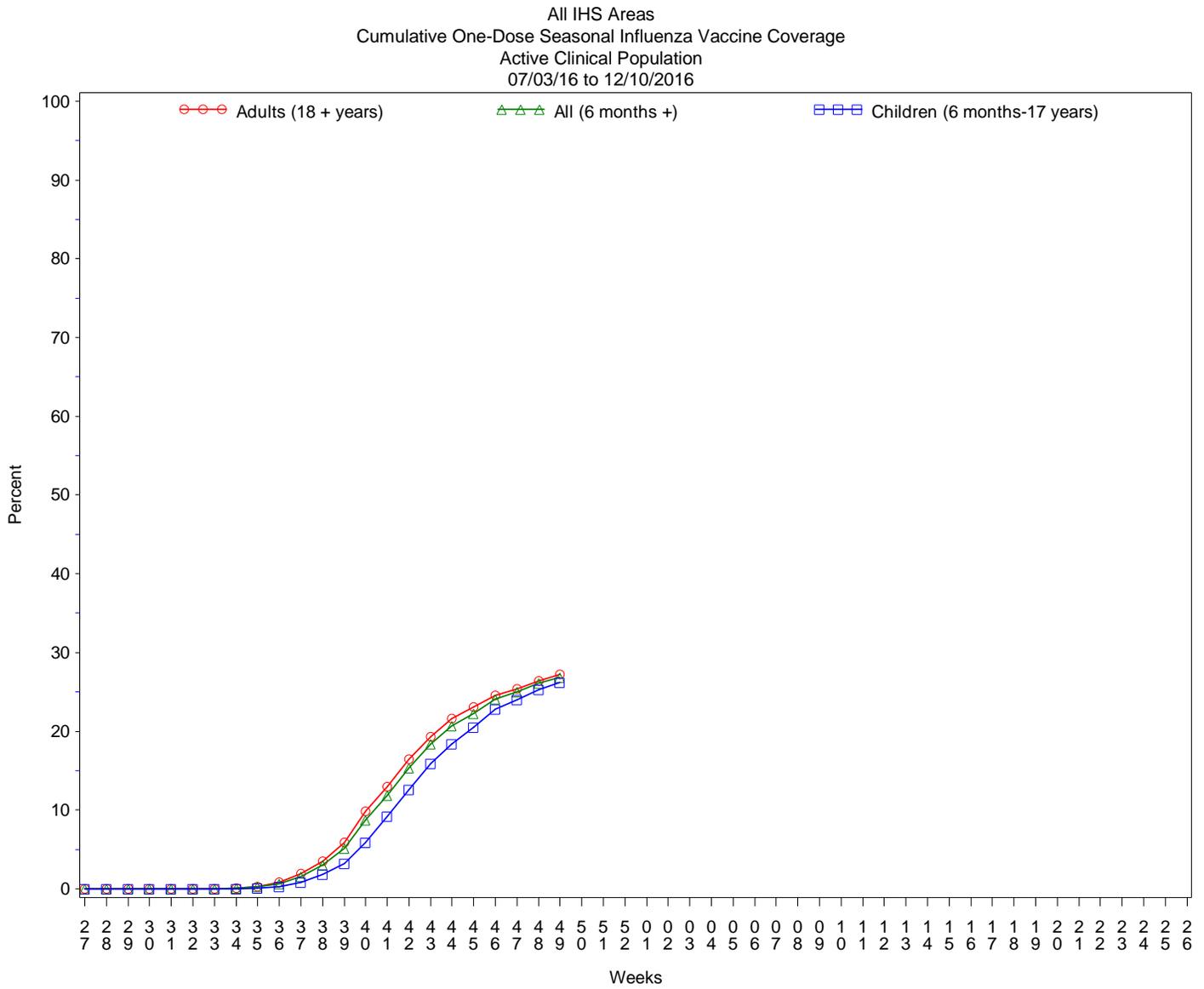
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 48	% in Week 49
NATIONAL	1.0	1.0
ALASKA	0.6	0.6
ALBUQUERQUE	0.7	0.9
BEMIDJI	0.5	0.7
BILLINGS	0.8	1.3
CALIFORNIA	0.4	0.4
GREAT PLAINS	1.4	1.2
NASHVILLE	1.6	1.8
NAVAJO	1.3	1.0
OKLAHOMA	0.5	0.4
PHOENIX	1.6	1.4
PORTLAND	0.6	0.7
TUCSON	0.7	1.0

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

IHS Influenza Vaccination Surveillance

- As of 12/10/2016, sites reporting to the IIAS have administered 255,649 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	4,478	31	0.7	0	0.0	32
6 - 23 months	21,230	8,124	38.3	1,041	4.9	9,215
2 - 4 years	52,089	11,211	21.5	169	0.3	11,466
5 - 17 years	195,968	51,099	26.1	301	0.2	51,751
18 - 49 years	399,969	83,652	20.9	342	0.1	84,692
50 - 64 years	167,828	57,052	34.0	293	0.2	57,856
65 + years	96,253	40,019	41.6	248	0.3	40,669
Children (6 months-17 years)	269,287	70,434	26.2	1,511	0.6	72,432
Adults (18 + years)	664,050	180,723	27.2	883	0.1	183,217
All (6 months +)	933,337	251,157	26.9	2,394	0.3	255,649

* 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 Vaccine Doses Administered by Influenza Vaccine 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-LAIV 4	CVX 150 FLU-IIV4pf	CVX 153 FLU-cclIIV3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Proc 99.52 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Codes+	Cumulative # of Doses Seasonal Flu
AKA	2	88	0	356	34	529	1	0	4965	0	2	2931	329	18	0	0	45	9300
ALB	1	130	0	1223	467	8552	1	0	3945	0	6	1801	484	1	0	0	73	16684
BEM	256	76	0	350	9	1809	0	1	3201	5	4	3211	196	40	0	1	154	9313
BIL	5	207	0	846	10	1991	0	0	8913	0	0	1558	768	130	0	0	106	14534
CAO	6	150	0	1235	17	2251	1	7	7054	0	2	4118	1113	60	0	1	105	16120
GPA	1	359	0	977	135	10910	0	0	10722	12	25	4903	807	9	0	0	109	28969
NSA	182	322	0	342	100	4930	209	0	3557	4	15	324	113	294	0	0	103	10495
NAV	18	236	1	1627	8	8664	7	0	10847	0	0	35782	2093	945	0	0	166	60394
OKC	237	1470	0	2232	6	23574	4	1	7574	1	13	2002	1064	510	0	0	203	38891
PHX	2	376	0	1096	22	7653	9	0	16646	0	19	360	1601	1	0	0	221	28006
POR	7	255	0	657	1061	7119	9	1	4263	28	19	2707	273	1048	0	0	726	18173
TUC	0	42	0	24	23	4	0	0	5272	1	0	31	288	0	0	0	34	5719
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	717	3713	1	10965	1892	77986	241	10	86959	51	105	59728	9129	3056	0	2	2045	256600

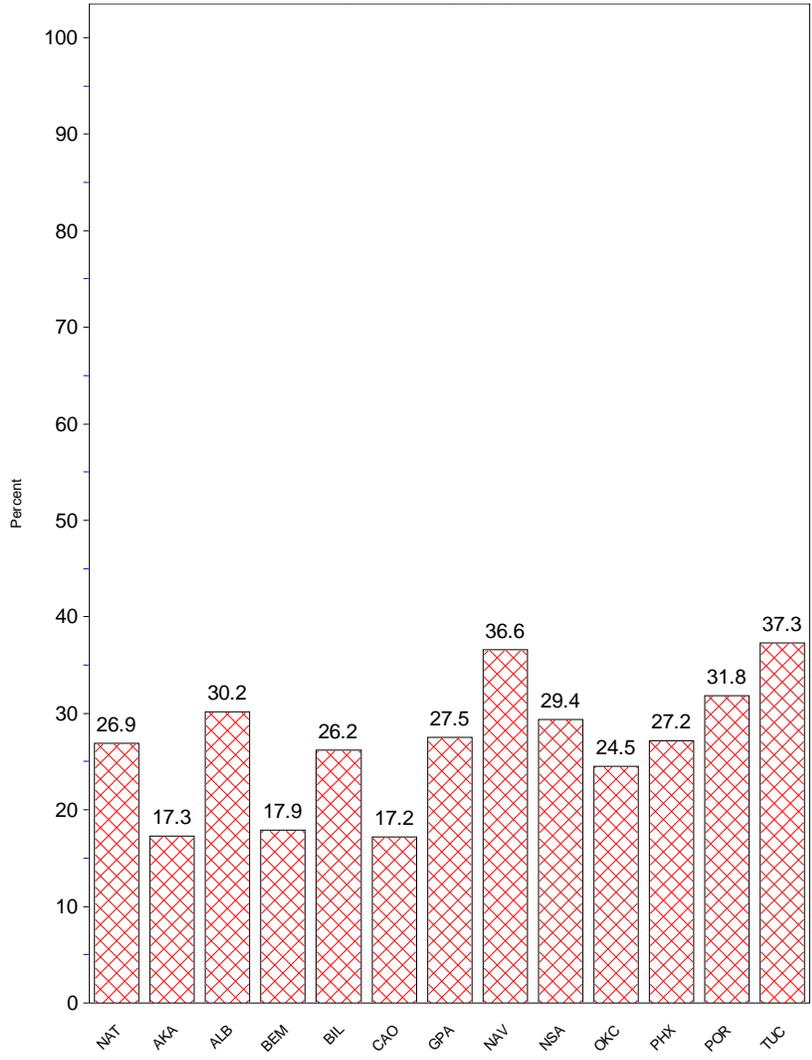
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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+)
%Seasonal Flu (At least 1 dose) for Active Clinical Population
07/03/16 to 12/10/2016



- 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	154	283
ALASKA	7	52
ALBUQUERQUE	12	16
BEMIDJI	5	12
BILLINGS	12	19
CALIFORNIA	22	38
GREAT PLAINS	18	32
NASHVILLE	18	22
NAVAJO	7	19
OKLAHOMA	18	22
PHOENIX	13	23
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, and Alaska Village Clinic.