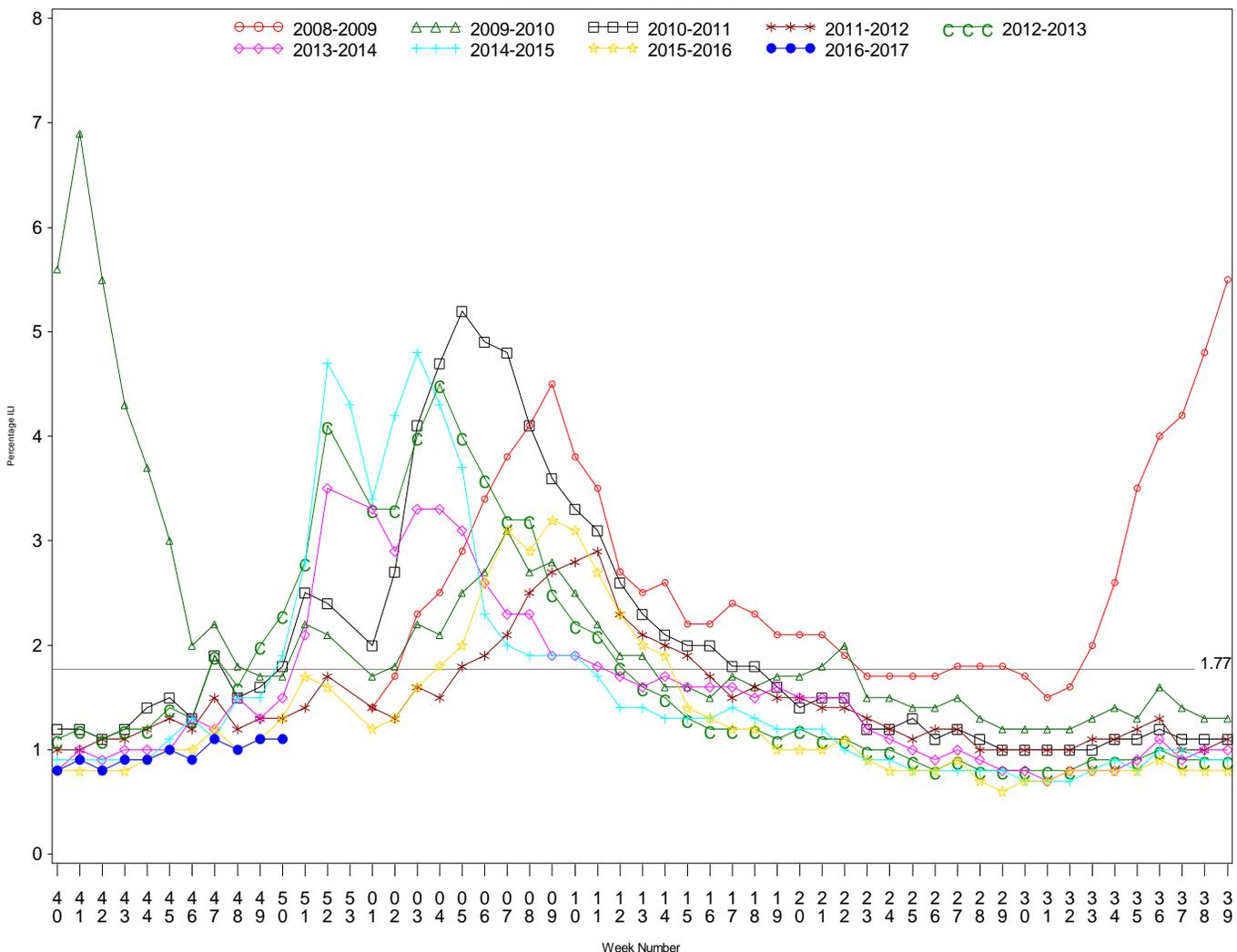




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
 (Week 50: 12/11/2016 – 12/17/2016)

- Influenza-like-illness activity is low across all IHS Regions
 - IHS ILI activity remains below the IHS threshold of 1.77%.
 - ILINet activity from CDC also remains below the ILINet baseline of 2.2%, though it is above the IHS threshold of 1.77%.
- To date IHS has administered over 264,000 doses of influenza vaccine.
- Overall, 28% of the IHS Active Clinical population received an influenza vaccine this season.

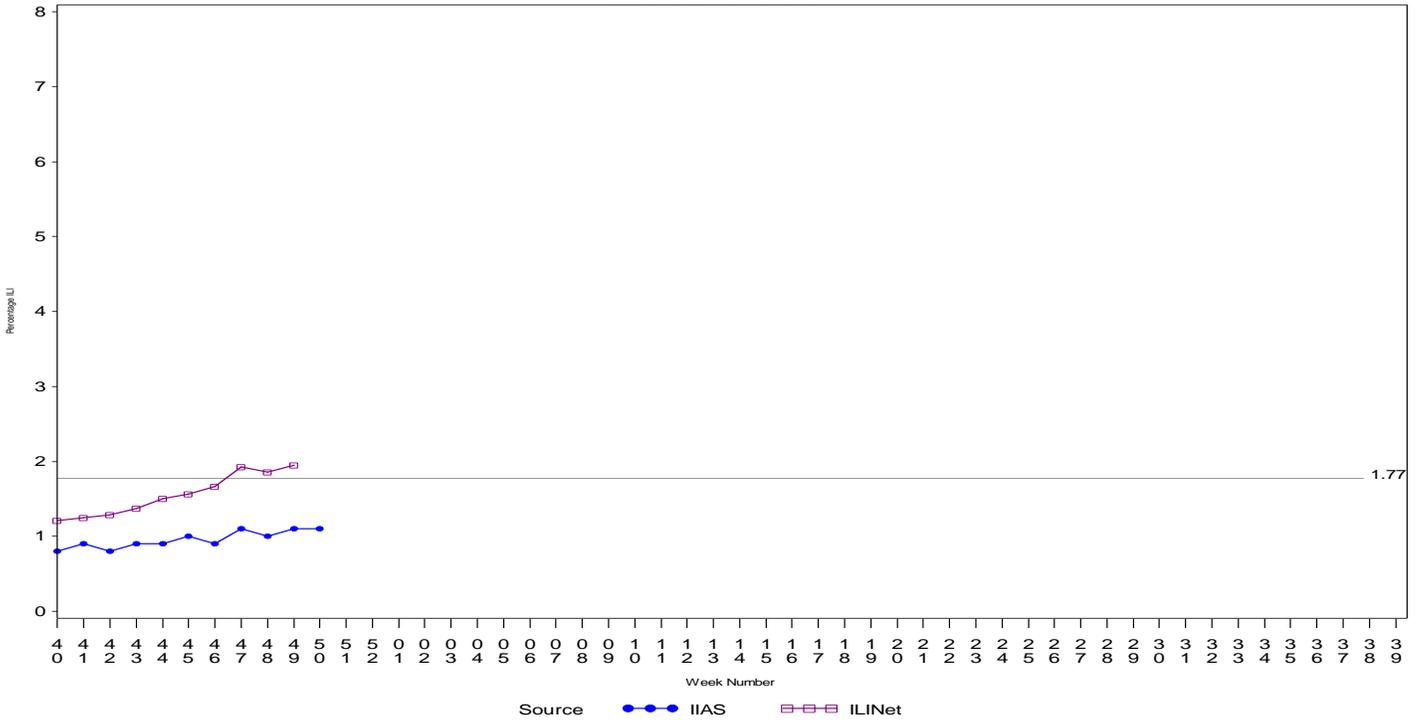
All IHS Areas
 Influenza-Like Illness (ILI) for All Surveillance Years
 Percentage of Visits for ILI per week
 01/04/09 to 12/17/2016



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

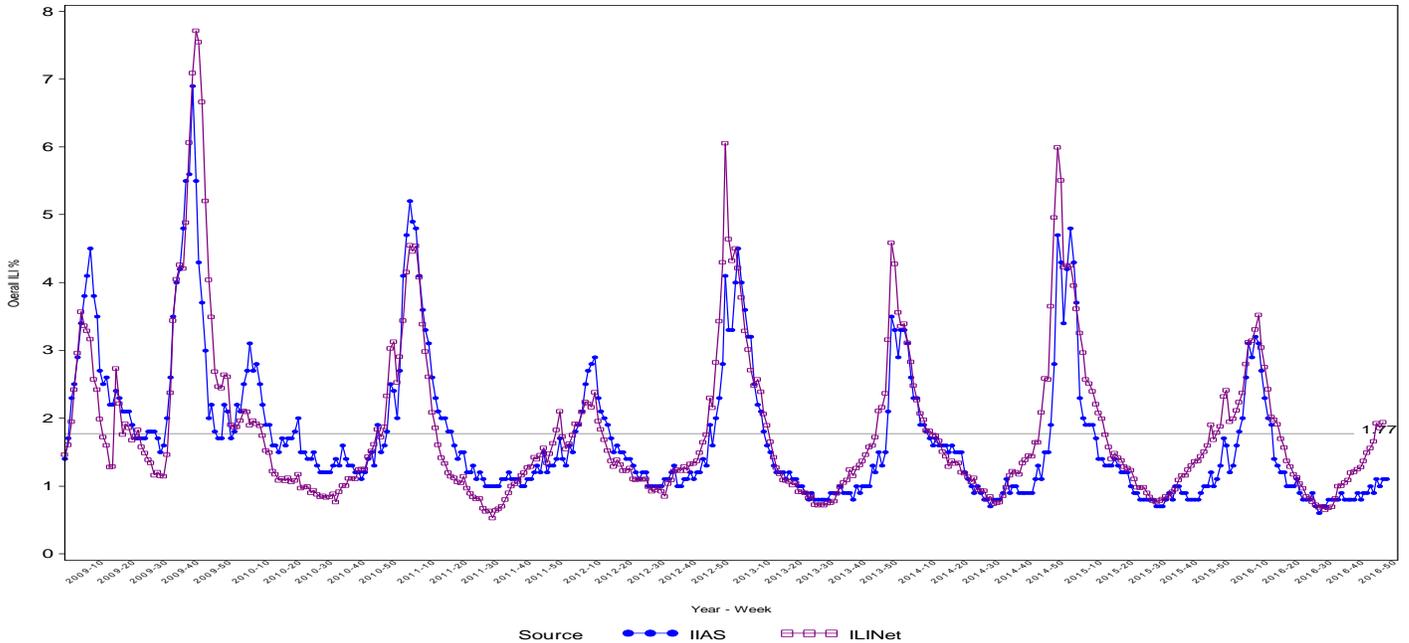
The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 12/17/2016



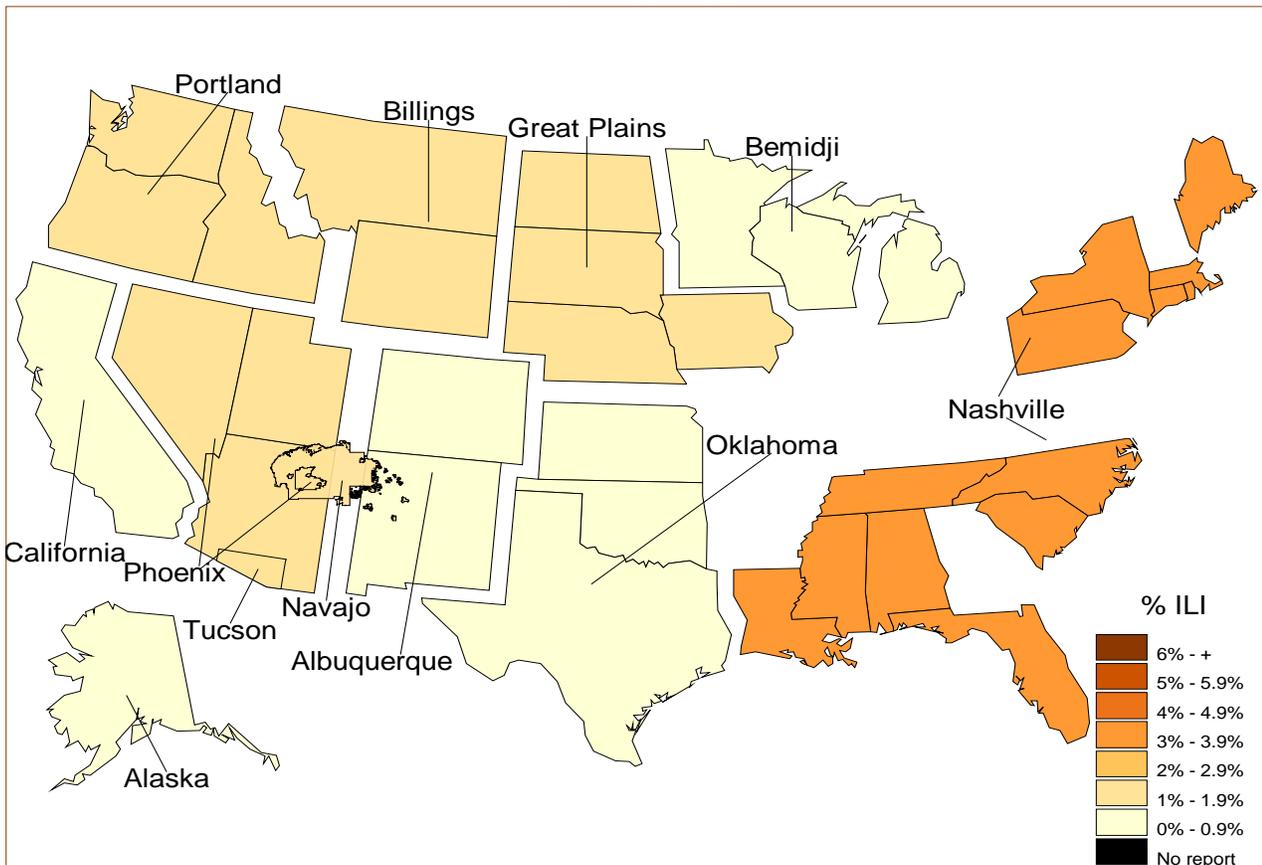
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous three seasons, plus two standard deviations.
 Sources: ILINet - CDC Sentinel 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 12/17/2016



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 Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Percentage of Influenza-Like Illness Visits by Region
For Week: 50



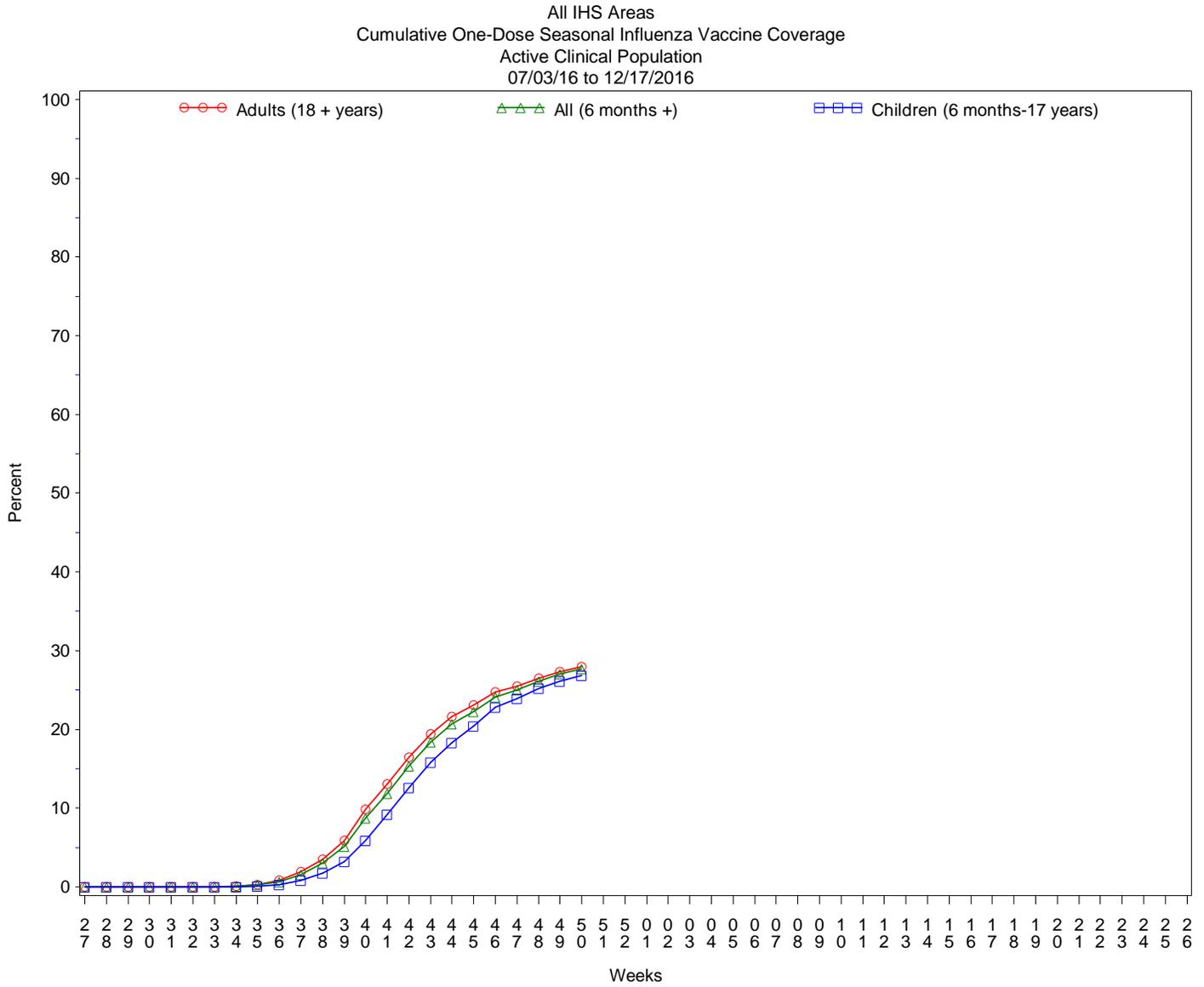
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 49	% in Week 50
NATIONAL	1.1	1.1
ALASKA	0.6	0.3
ALBUQUERQUE	1.0	0.9
BEMIDJI	0.8	0.8
BILLINGS	1.3	1.0
CALIFORNIA	0.4	0.7
GREAT PLAINS	1.3	1.0
NASHVILLE	2.0	3.3
NAVAJO	1.2	1.1
OKLAHOMA	0.4	0.4
PHOENIX	1.5	1.5
PORTLAND	0.9	1.1
TUCSON	1.1	1.2

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

IHS Influenza Vaccination Surveillance

- As of 12/17/2016, sites reporting to the IIAS have administered 264,431 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	32	0.7	0	0.0	33
6 - 23 months	21,230	8,616	40.6	1,256	5.9	9,974
2 - 4 years	52,089	11,674	22.4	201	0.4	12,031
5 - 17 years	195,968	52,195	26.6	312	0.2	53,269
18 - 49 years	399,969	86,098	21.5	370	0.1	87,526
50 - 64 years	167,828	58,644	34.9	312	0.2	59,708
65 + years	96,253	41,110	42.7	267	0.3	41,923
Children (6 months-17 years)	269,287	72,485	26.9	1,769	0.7	75,274
Adults (18 + years)	664,050	185,852	28.0	949	0.1	189,157
All (6 months +)	933,337	258,337	27.7	2,718	0.3	264,431

* 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	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-LAIV 4	CVX 150 FLU-IIV4pf	CVX 153 FLU-ccIIV3	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	90	0	375	36	534	1	0	5030	0	2	2997	342	19	0	0	45	9473
ALB	1	138	0	1237	501	8906	1	0	4090	0	6	1843	521	1	0	0	76	17321
BEM	259	80	0	364	9	1899	0	1	3326	5	4	3239	211	40	0	1	155	9593
BIL	5	213	0	857	10	2034	0	0	9212	0	0	1598	810	135	0	0	111	14985
CAO	7	158	0	1269	17	2369	1	7	7327	0	2	4290	1220	60	0	2	108	16837
GPA	3	377	0	1003	137	11216	0	0	11010	12	26	5018	876	9	0	0	101	29788
NSA	193	327	0	346	111	5121	211	0	3664	4	18	329	119	299	0	0	110	10852
NAV	22	266	1	1664	16	9009	8	0	11128	0	1	37251	2217	968	0	0	173	62724
OKC	248	1588	0	2300	10	24321	4	1	7805	1	13	2069	1146	521	0	0	209	40236
PHX	2	408	0	1128	24	7893	12	0	17180	0	19	381	1713	1	0	0	220	28981
POR	7	275	1	688	1115	7291	9	1	4429	28	19	2804	288	1072	0	0	736	18763
TUC	0	45	0	26	23	4	0	0	5482	1	0	34	317	0	0	0	35	5967
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	749	3967	2	11257	2009	80597	247	10	89683	51	110	61853	9780	3125	0	3	2079	265522

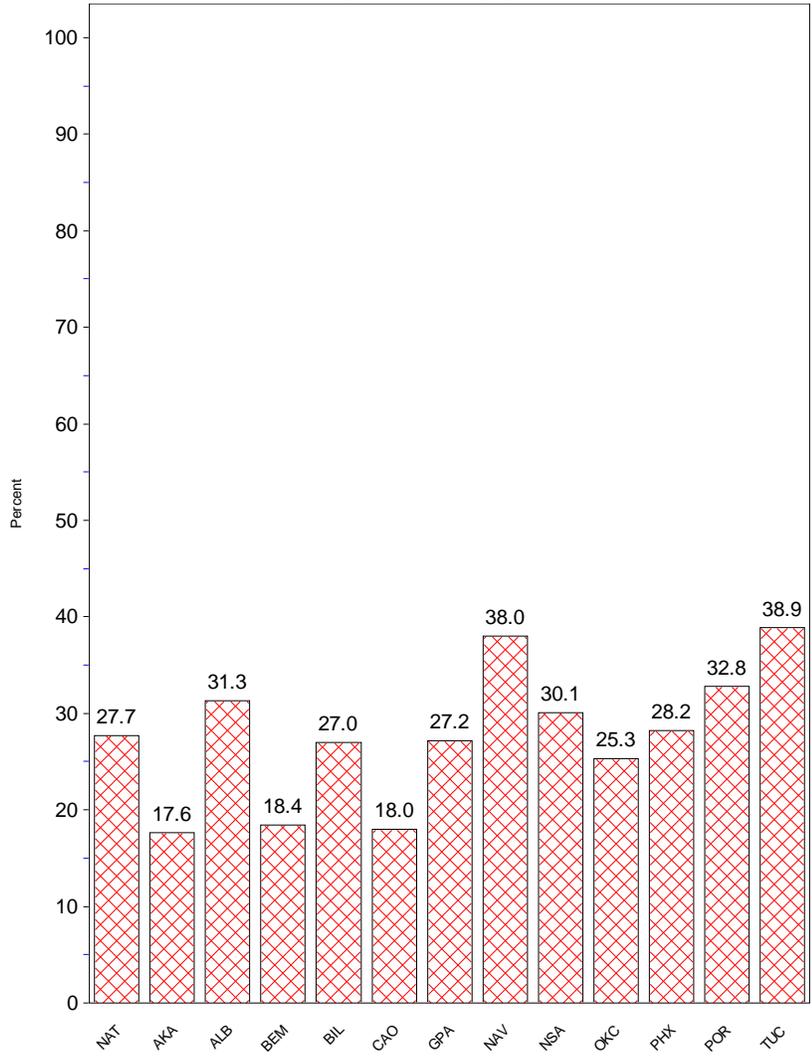
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 12/17/2016



- 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	153	278
ALASKA	7	47
ALBUQUERQUE	12	16
BEMIDJI	5	12
BILLINGS	12	18
CALIFORNIA	21	32
GREAT PLAINS	18	37
NASHVILLE	18	23
NAVAJO	7	19
OKLAHOMA	18	22
PHOENIX	13	23
PORTLAND	21	25
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.