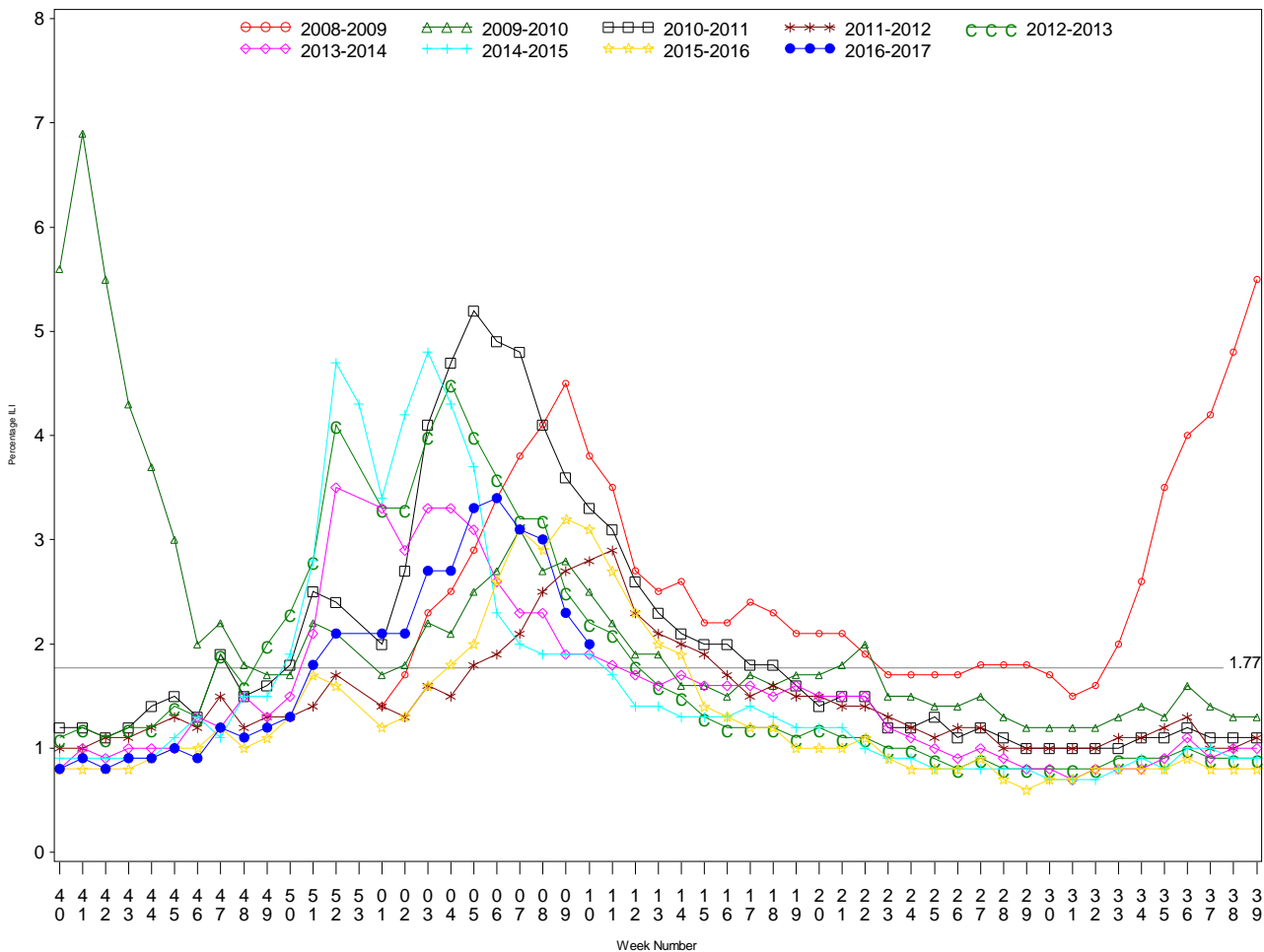




Indian Health Service
Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 10: 03/05/2017 – 03/11/2017)

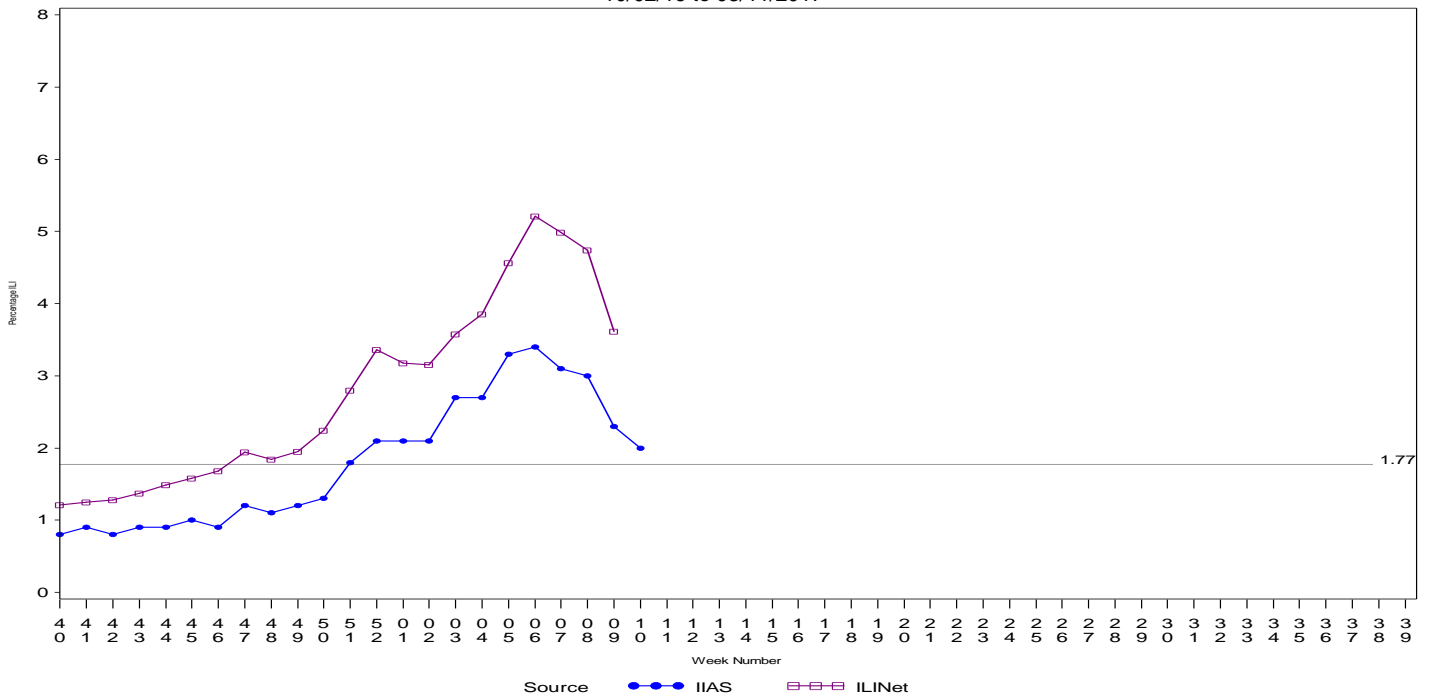
- Influenza-like-illness (ILI) activity in IHS is decreasing, but remains elevated at 2.0%, above the IHS baseline of 1.77%
 - Seven IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
 - CDC's ILINet ILI activity is 3.6%, above the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 341,000 doses of influenza vaccine.
- Overall, 34% 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 03/11/2017



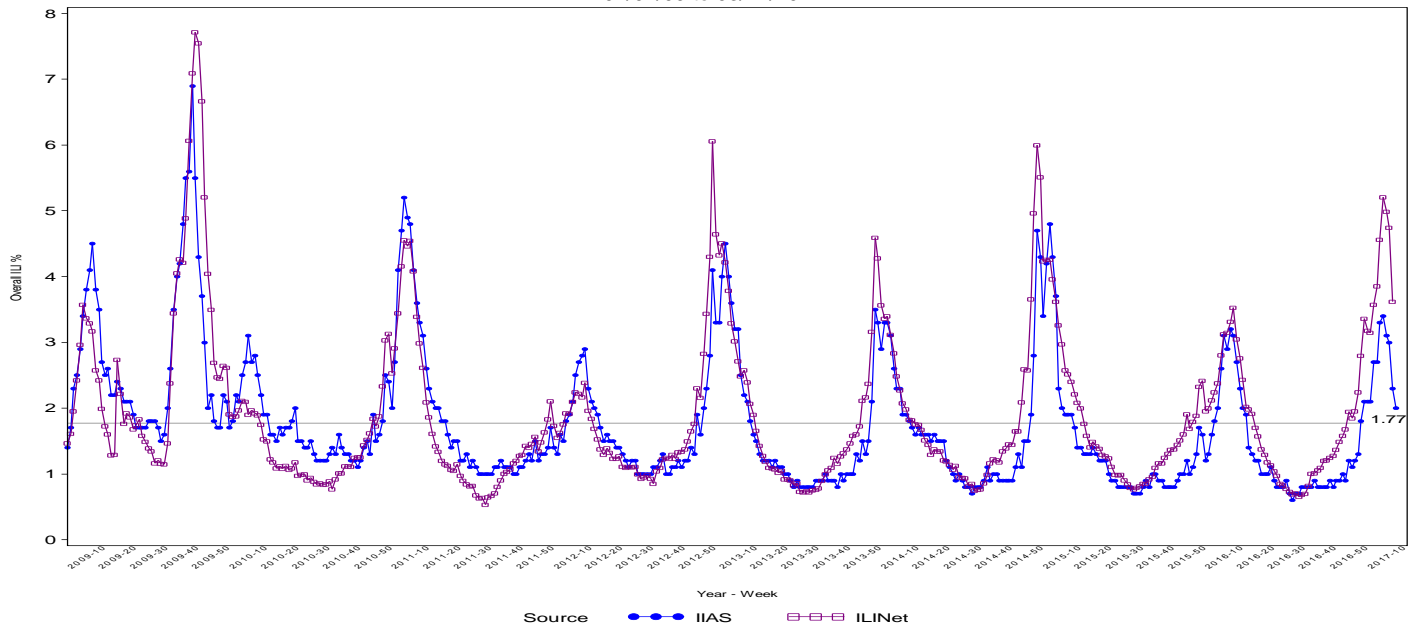
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 03/11/2017



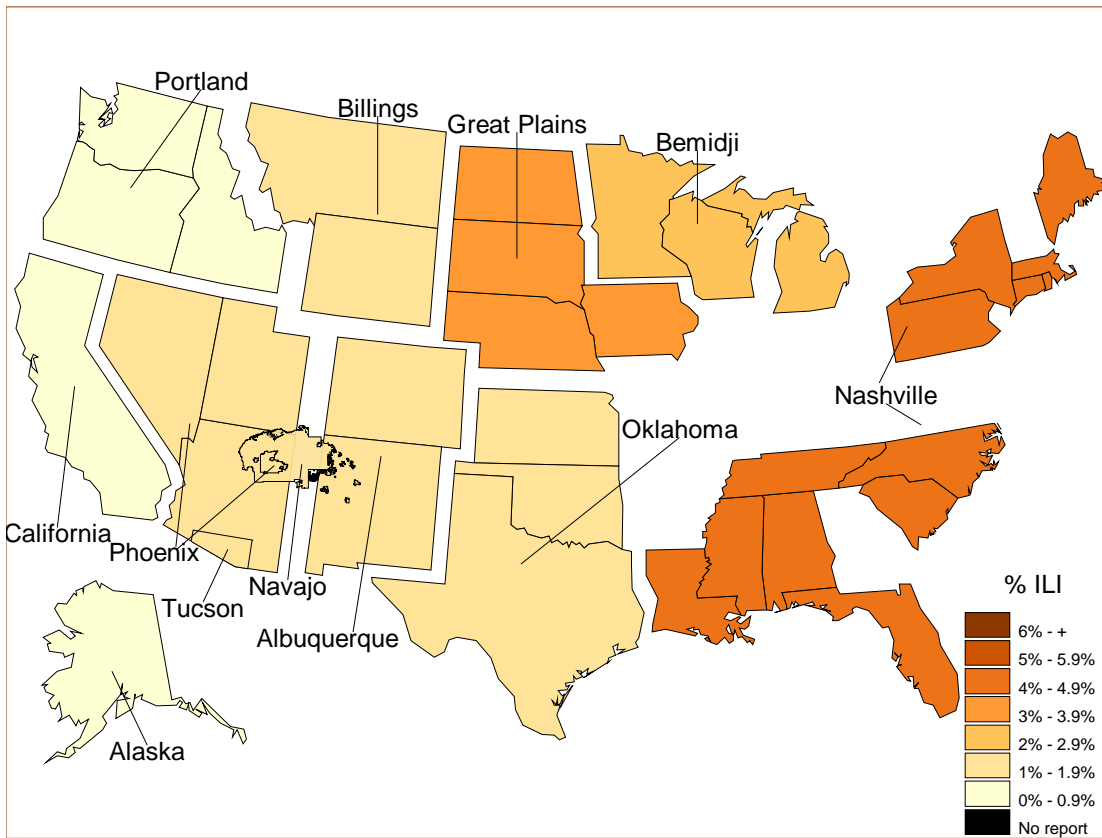
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 03/11/2017



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: 10



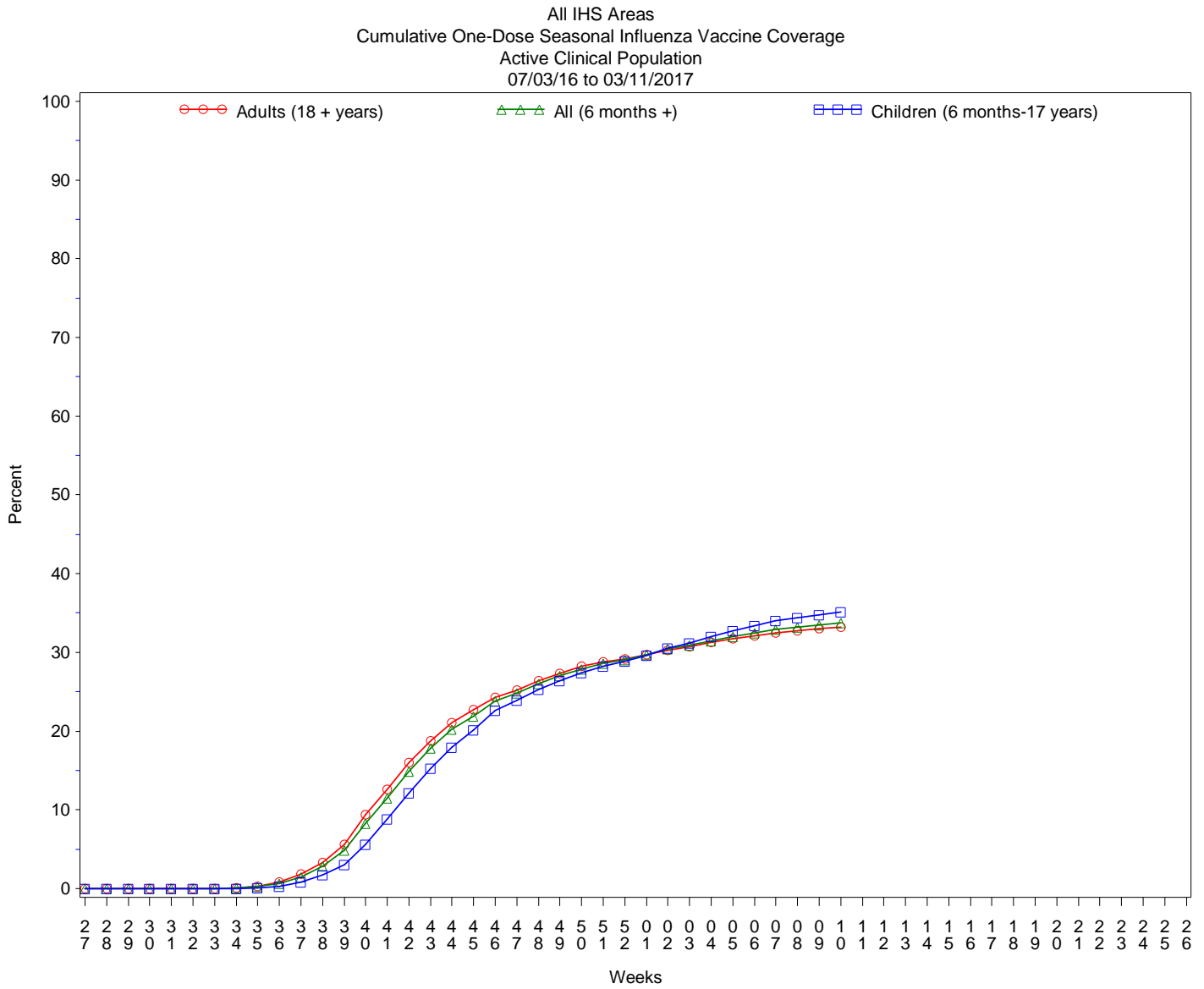
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 9	% in Week 10
NATIONAL	2.3	2.0
ALASKA	1.1	0.9
ALBUQUERQUE	1.4	1.8
BEMIDJI	2.3	2.3
BILLINGS	1.3	1.6
CALIFORNIA	0.8	0.6
GREAT PLAINS	4.8	3.7
NASHVILLE	4.6	4.5
NAVAJO	2.1	1.3
OKLAHOMA	1.8	1.8
PHOENIX	1.9	1.9
PORTLAND	0.8	0.7
TUCSON	1.6	1.9

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

IHS Influenza Vaccination Surveillance

- As of 03/11/2017, sites reporting to the IIAS have administered 341,492 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	4,619	71	1.5	0	0.0	73
6 - 23 months	22,493	13,802	61.4	4,089	18.2	17,995
2 - 4 years	54,919	17,445	31.8	630	1.1	18,207
5 - 17 years	206,908	68,668	33.2	492	0.2	69,668
18 - 49 years	420,898	111,097	26.4	664	0.2	112,733
50 - 64 years	176,107	71,940	40.9	484	0.3	73,112
65 + years	101,539	48,871	48.1	406	0.4	49,777
Children (6 months-17 years)	284,320	99,915	35.1	5,211	1.8	105,870
Adults (18 + years)	698,544	231,908	33.2	1,554	0.2	235,622
All (6 months +)	982,864	331,823	33.8	6,765	0.7	341,492

* 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**	CV X 111 FLU - LAI V3	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	CV X 153 FLU - ccII V3	CVX 155 FLU-RIV3	CVX 158 IIV4	CVX 161 IIV4pf -ped	CVX 166	Proc 99.5 2 Vac Inf	ICD-9 V04.8 1 Vac Inf	CPT Billing Codes +	Cumulative # of Doses Seasonal Flu
AKA	4	329	0	485	43	626	1	0	6570	1	2	4005	638	22	0	0	84	12810
ALB	1	213	0	1327	621	11497	1	0	5306	0	6	2219	839	1	0	0	97	22128
BEM	297	123	0	455	28	3039	0	2	4340	18	4	3735	446	47	0	2	264	12800
BIL	5	277	0	1048	15	2361	0	0	11980	0	2	1788	1174	167	0	0	135	18952
CAO	19	224	0	1432	34	3065	1	8	8893	0	2	5918	1876	60	0	2	137	21671
GPA	3	521	0	1101	164	13547	0	0	13546	12	26	6025	1447	9	0	0	95	36496
NSA	254	361	0	357	154	5903	246	0	4340	4	20	356	254	348	0	0	147	12744
NAV	32	421	1	1887	28	10782	9	0	14430	1	2	48127	3301	1080	0	0	222	80323
OKC	286	2544	1	2513	16	30128	7	1	10160	1	18	3107	1802	553	0	0	240	51377
PHX	3	592	0	1595	106	11928	29	0	23347	0	21	818	3147	2	0	0	260	41848
POR	10	473	1	808	1330	8596	16	1	5829	29	26	3735	456	1337	0	0	903	23550
TUC	0	60	0	34	29	11	0	0	7205	1	0	49	611	0	0	0	43	8043
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	914	6140	3	13042	2568	101483	310	12	115946	67	129	79882	15991	3626	0	4	2627	342744

* 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.

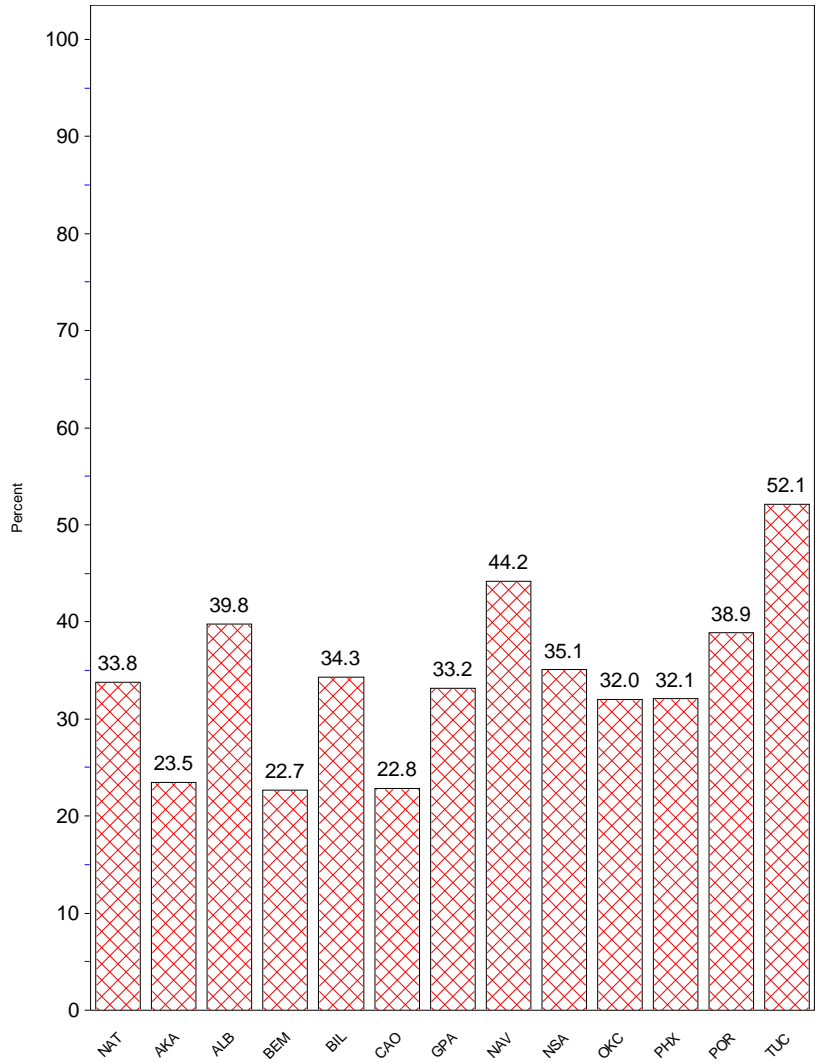
Doses are NOT deduplicated.

** 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 03/11/2017



- 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	294
ALASKA	6	48
ALBUQUERQUE	12	16
BEMIDJI	9	18
BILLINGS	13	23
CALIFORNIA	22	31
GREAT PLAINS	18	34
NASHVILLE	20	25
NAVAJO	8	20
OKLAHOMA	18	22
PHOENIX	15	27
PORTLAND	22	26
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.