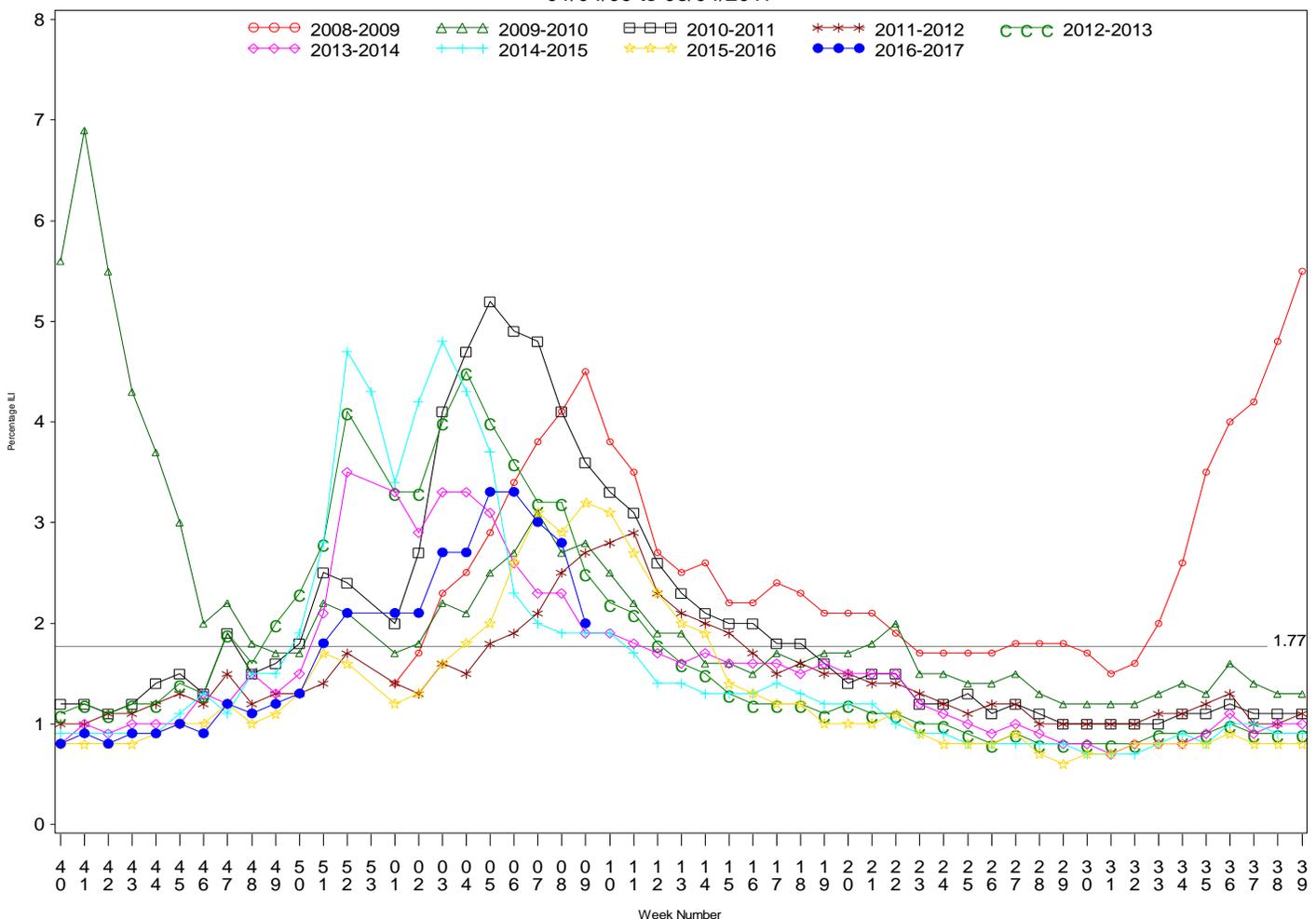




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 9: 02/26/2017 – 03/04/2017)

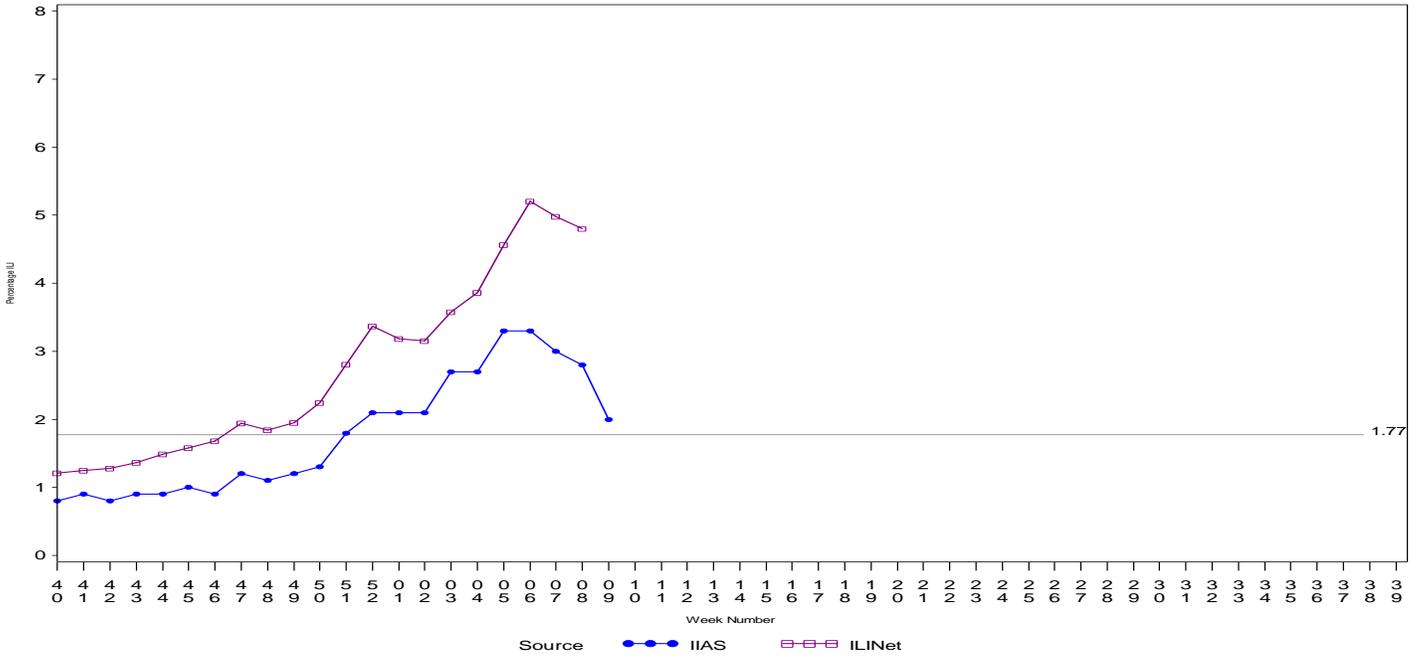
- Influenza-like-illness (ILI) activity in IHS is decreasing, but remains elevated at 2.0%, above the IHS baseline of 1.77%
 - Five IHS regions are reporting elevated ILI activity
- National ILI activity reported by CDC is also decreasing, but remains elevated
 - CDC's ILINet ILI activity is 4.8%, above the ILINet baseline (2.2%) and above the IHS baseline (1.77%).
- To date, IHS has administered over 338,000 doses of influenza vaccine.
- Overall, 33% 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 03/04/2017



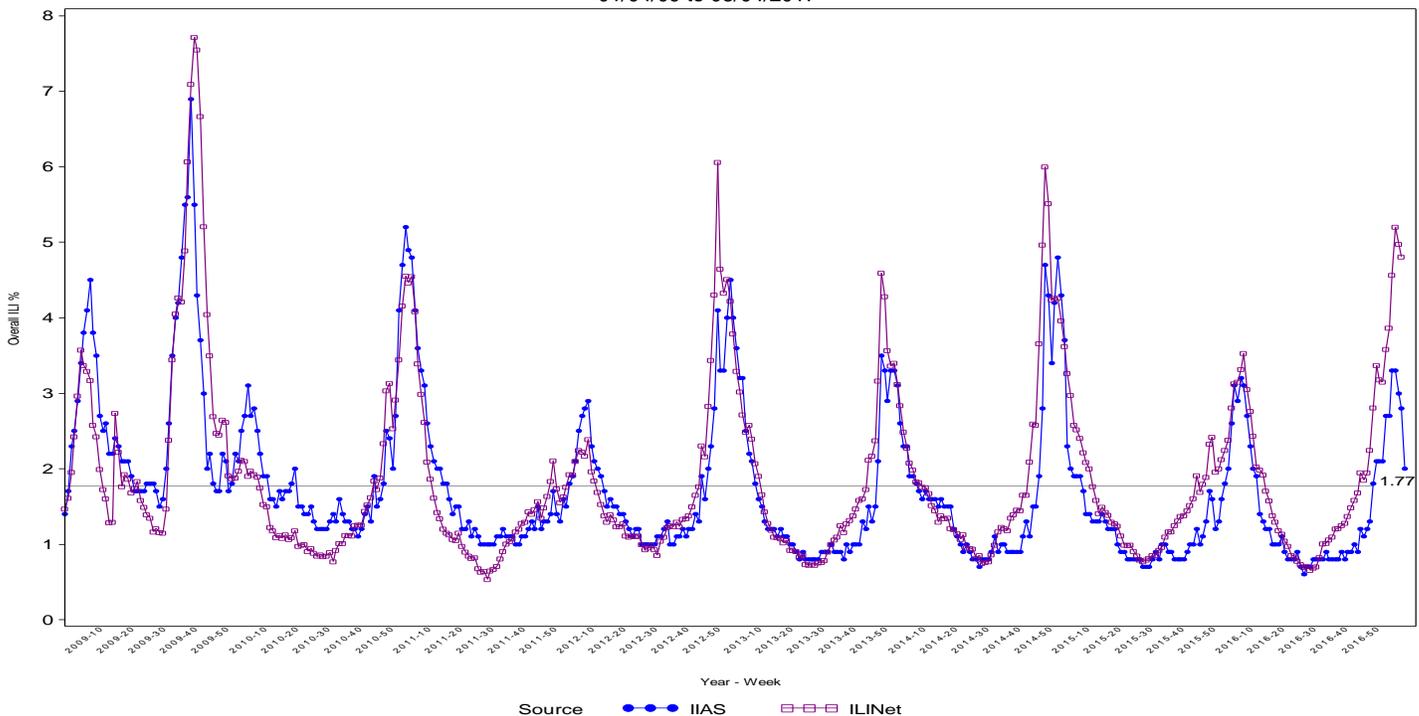
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line represents the 2016-2017 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-Influenza weeks for the previous three seasons plus two standard deviations.

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
 Percent ILI for Flu Year 2016 - 2017
 IIAS vs. ILINet
 10/02/16 to 03/04/2017



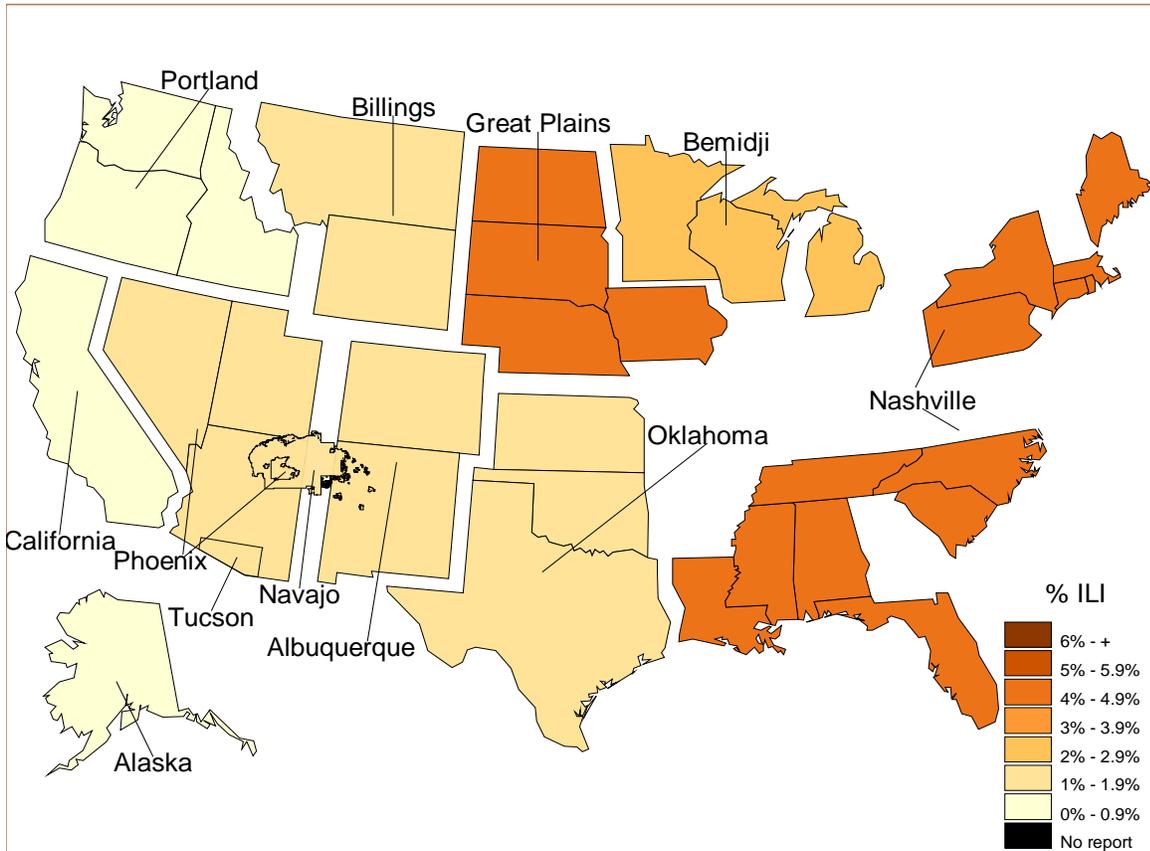
Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2016-2017 IIAS baseline. The ILINet baseline value for 2016-2017 is 2.2.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks for the previous 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 03/04/2017



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: 9



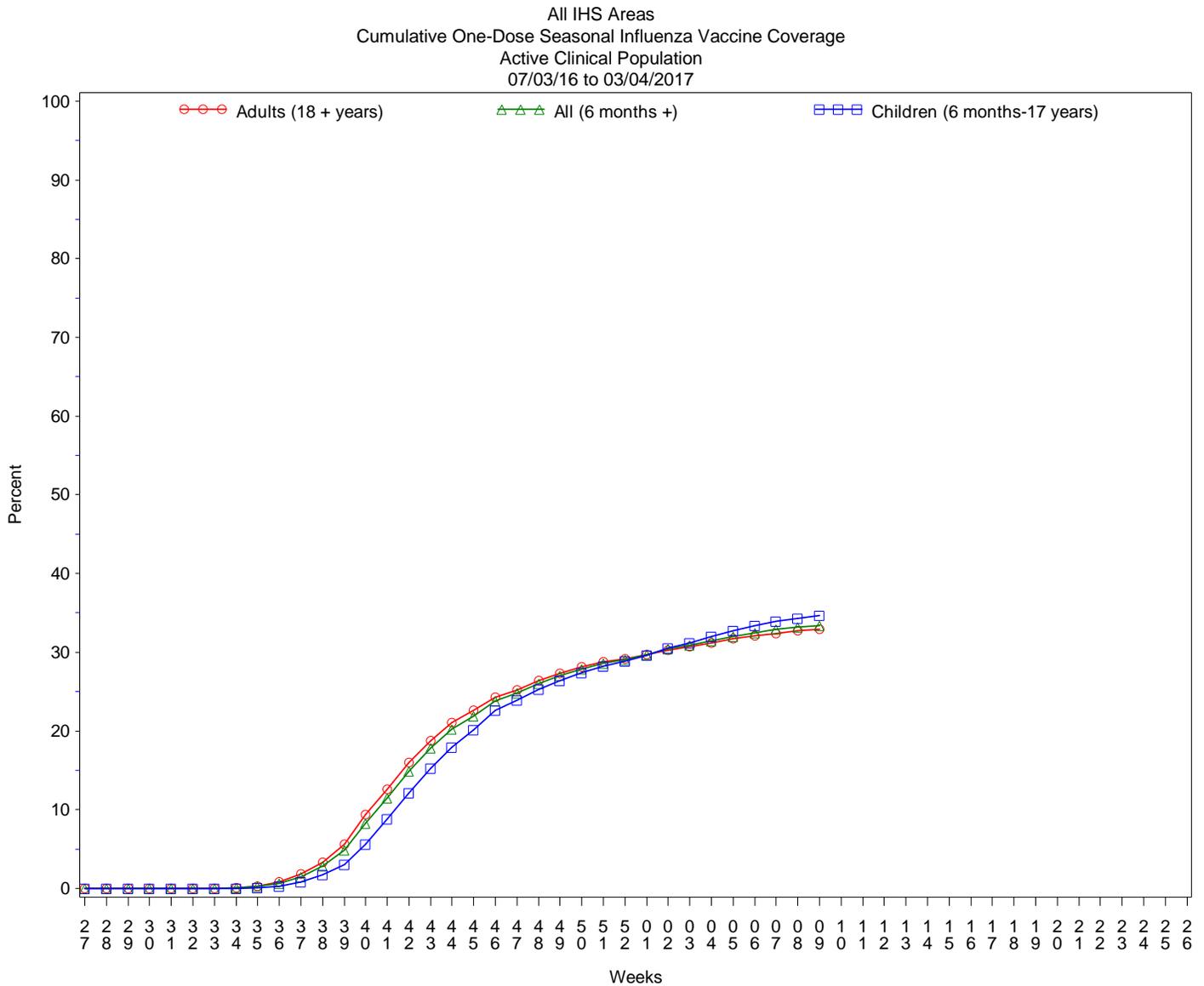
% Visits for ILI Compared to Previous Week

IHS Areas	% in Week 8	% in Week 9
NATIONAL	2.8	2.0
ALASKA	1.1	0.7
ALBUQUERQUE	2.2	1.4
BEMIDJI	3.3	2.5
BILLINGS	2.3	1.1
CALIFORNIA	1.1	0.7
GREAT PLAINS	5.2	4.3
NASHVILLE	4.3	4.3
NAVAJO	3.0	1.8
OKLAHOMA	2.8	1.6
PHOENIX	2.3	1.6
PORTLAND	0.8	0.8
TUCSON	1.7	1.5

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

IHS Influenza Vaccination Surveillance

- As of 03/04/2017, sites reporting to the IIAS have administered 338,074 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	56	1.2	0	0.0	58
6 - 23 months	22,486	13,525	60.1	3,854	17.1	17,478
2 - 4 years	54,909	17,162	31.3	589	1.1	17,874
5 - 17 years	206,922	68,019	32.9	489	0.2	69,009
18 - 49 years	420,923	109,989	26.1	650	0.2	111,602
50 - 64 years	176,159	71,433	40.6	474	0.3	72,593
65 + years	101,527	48,619	47.9	399	0.4	49,518
Children (6 months-17 years)	284,317	98,706	34.7	4,932	1.7	104,361
Adults (18 + years)	698,609	230,041	32.9	1,523	0.2	233,713
All (6 months +)	982,926	328,747	33.4	6,455	0.7	338,074

* 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	327	0	481	43	623	1	0	6512	1	2	3970	625	22	0	0	84	12695
ALB	1	213	0	1321	616	11380	1	0	5246	0	6	2213	829	1	0	0	95	21922
BEM	295	118	0	451	28	2959	0	2	4268	12	4	3719	429	47	0	2	263	12597
BIL	5	273	0	1044	15	2344	0	0	11852	0	2	1768	1150	167	0	0	131	18751
CAO	19	222	0	1423	34	3053	1	8	8837	0	2	5873	1841	60	0	2	136	21511
GPA	3	515	0	1096	161	13412	0	0	13422	12	26	5948	1412	9	0	0	94	36110
NSA	254	361	0	357	144	5864	244	0	4304	4	20	356	238	348	0	0	142	12636
NAV	31	411	1	1875	28	10694	9	0	14296	1	2	47563	3246	1080	0	0	224	79461
OKC	277	2527	1	2508	15	30006	7	1	10090	1	18	3080	1742	553	0	0	239	51065
PHX	3	583	0	1583	103	11767	29	0	23101	0	20	781	3064	2	0	0	252	41288
POR	10	470	1	805	1328	8552	14	1	5781	29	26	3716	448	1313	0	0	899	23393
TUC	0	60	0	33	29	11	0	0	7070	1	0	47	583	0	0	0	43	7877
HQ	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	902	6082	3	12977	2544	100665	306	12	114779	61	128	79034	15607	3602	0	4	2602	339308

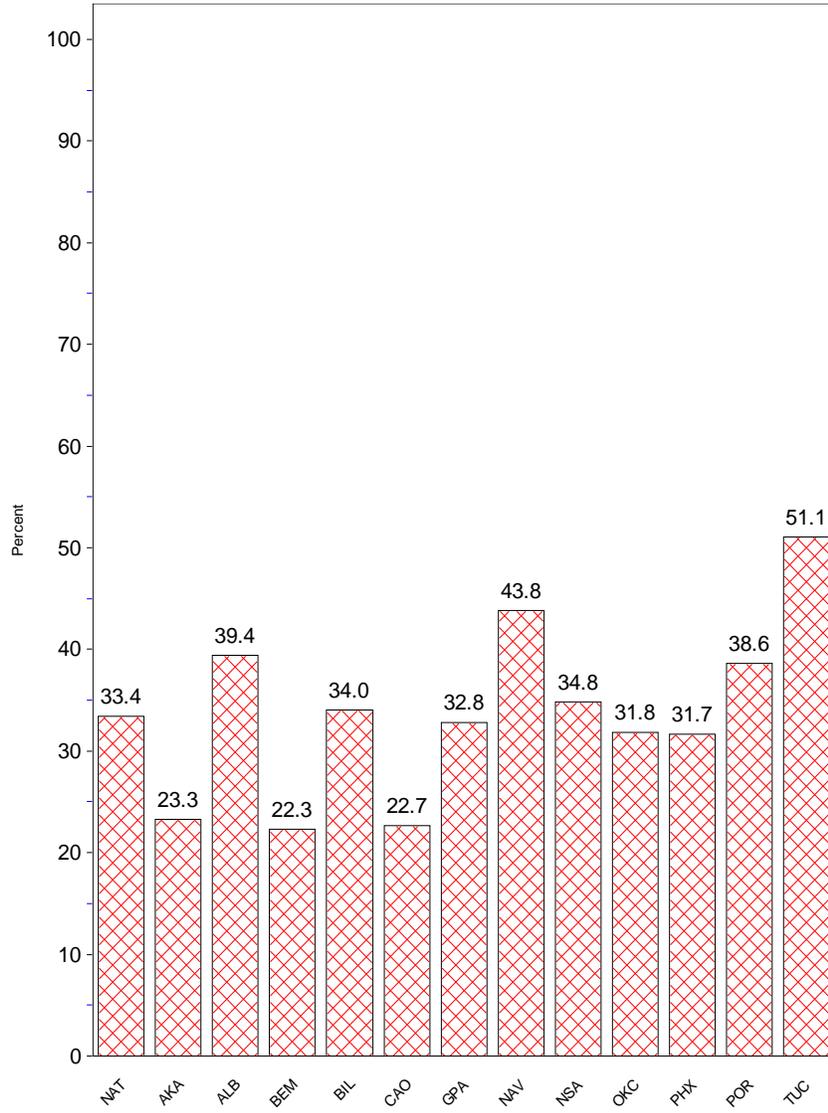
* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 123 (FLU-H5N1), and 151 (FLU-NasNOS) should not be used to document flu vaccines given this flu season. Doses are NOT deduplicated.

** 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 03/04/2017



- 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	159	291
ALASKA	6	48
ALBUQUERQUE	12	17
BEMIDJI	6	13
BILLINGS	13	24
CALIFORNIA	22	33
GREAT PLAINS	18	35
NASHVILLE	20	25
NAVAJO	7	19
OKLAHOMA	18	22
PHOENIX	15	27
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.