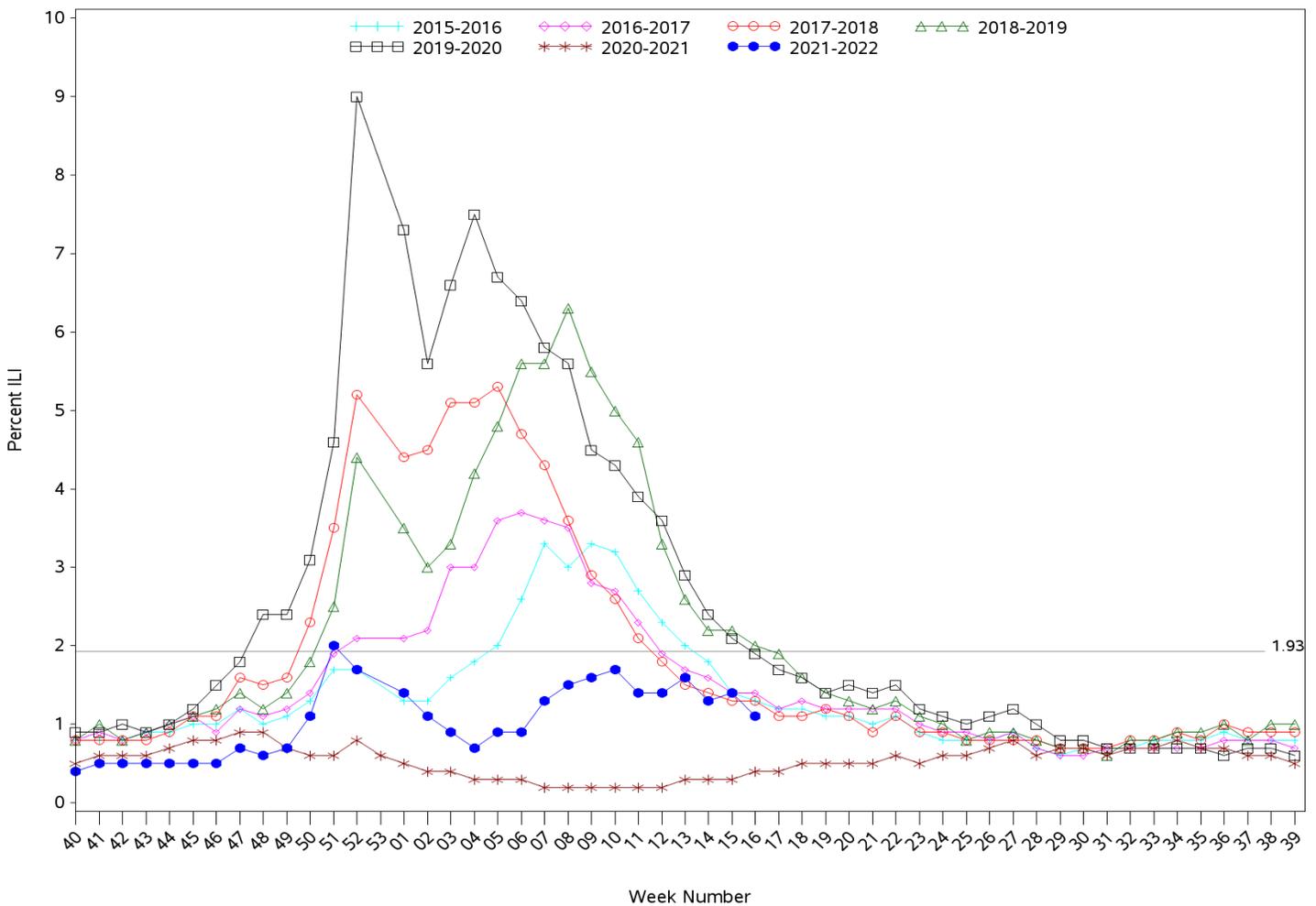




Indian Health Service
 Division of Epidemiology and Disease Prevention
Influenza-like Illness Surveillance Report
IHS Influenza Awareness System (IIAS)
(Week 16: 04/17/2022 – 04/23/2022)

- IHS national Influenza-like illness (ILI) activity is low at 1.1%, below the IHS baseline of 1.93%
 - Four of the eleven IHS Areas reported a decrease in ILI activity, while another four reported having a slight increase in ILI activity from the previous week. .
 - This week’s IHS ILI activity is below the CDC’s ILINet ILI activity for week 16 (2.17%) below the ILINet baseline (2.5%) and the IHS baseline of 1.93%.
- To date, IHS has administered 305,767 doses of influenza vaccine.
- Overall, 34.8% of the IHS Active Clinical population ages 6 months and older has received an influenza vaccine this season to date.

All Reporting IHS Areas
Influenza-Like Illness (ILI) for Current Surveillance Year and Previous Six Surveillance Years
Percentage of Visits for ILI Visits per Week



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

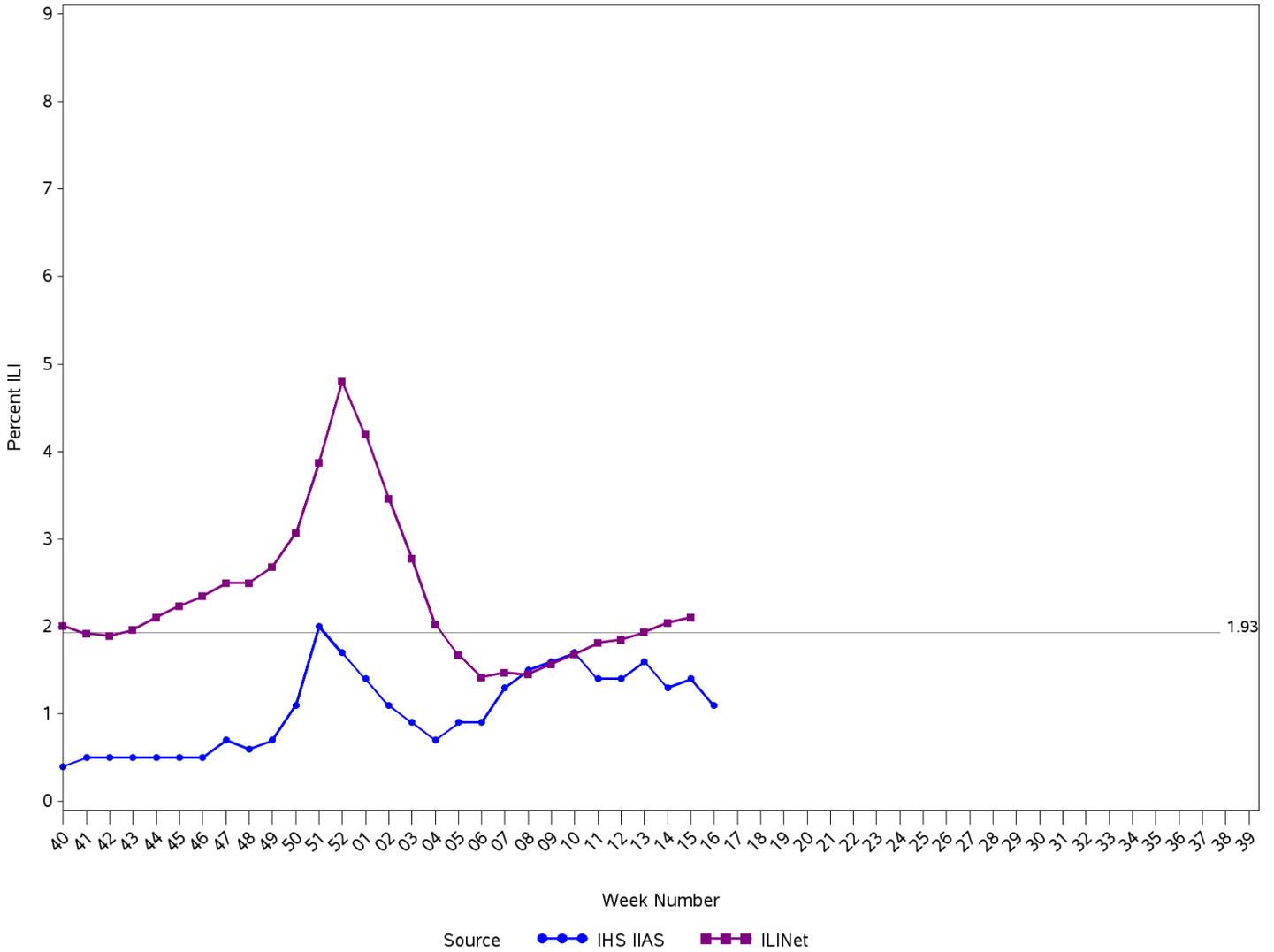
The horizontal line represents the 2021-2022 IIAS baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks (as defined by CDC) for the previous four seasons plus two standard deviations.

The horizontal line is the 2021-2022 IIAS baseline. The ILINet baseline value for 2021-2022 is 2.5.

Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks (as defined by CDC) for the previous three seasons, plus two standard deviations.

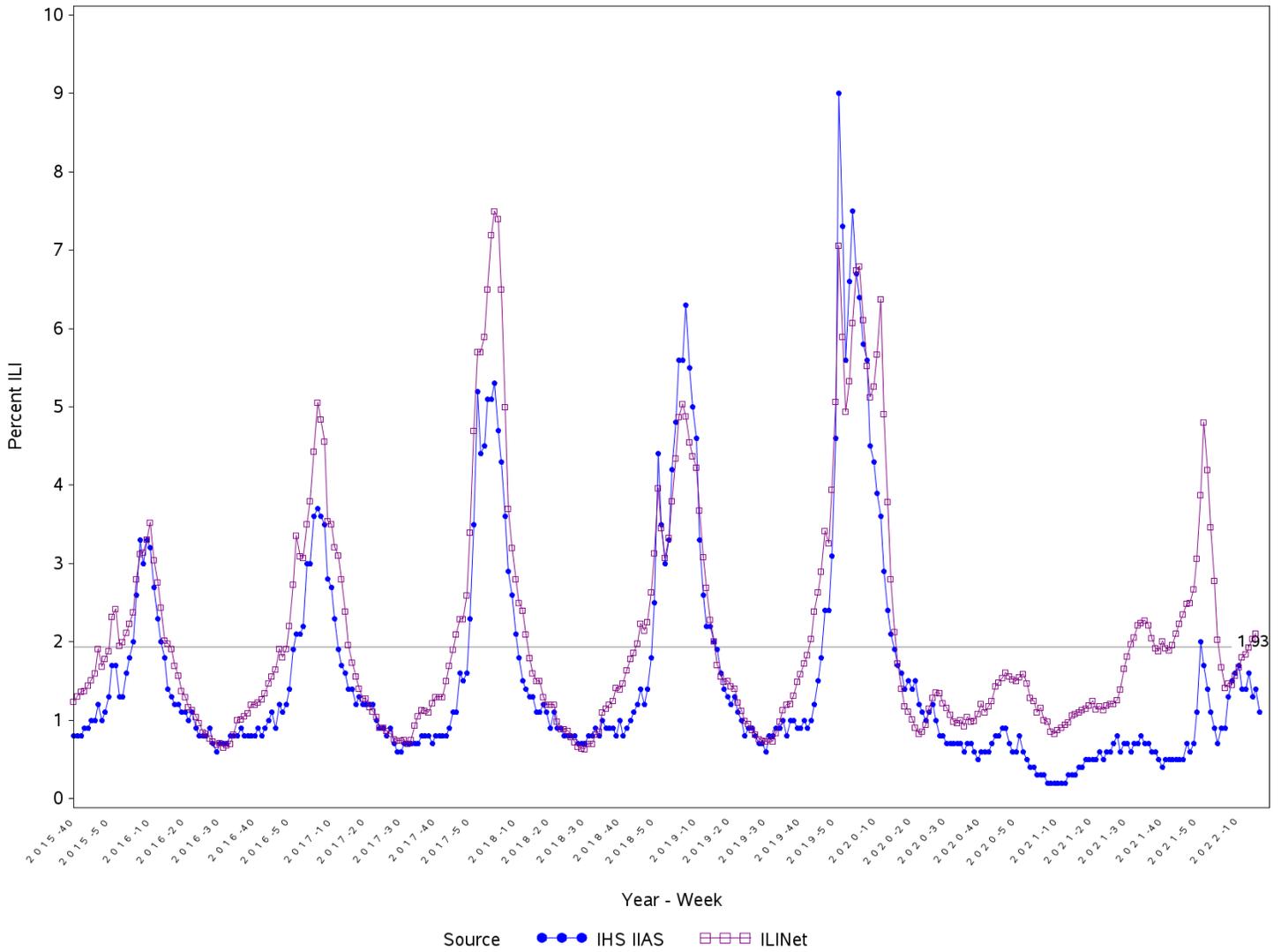
Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

Percentage of Outpatient Visits for Influenza-Like Illness (ILI)
Percent ILI for Flu Year 2021 - 2022
CDC ILINet vs. IHS Influenza-like Illness Awareness System (IIAS)
10/03/21 through 04/23/22 (Week 16)



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2021-2022 IHS Influenza-like Illness Awareness System baseline. The CDC ILINet baseline value for 2021-2022 is 2.5.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks (as defined by CDC) for the previous four seasons, plus two standard deviations.
 Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IHS IIAS - Influenza-like Illness Awareness System

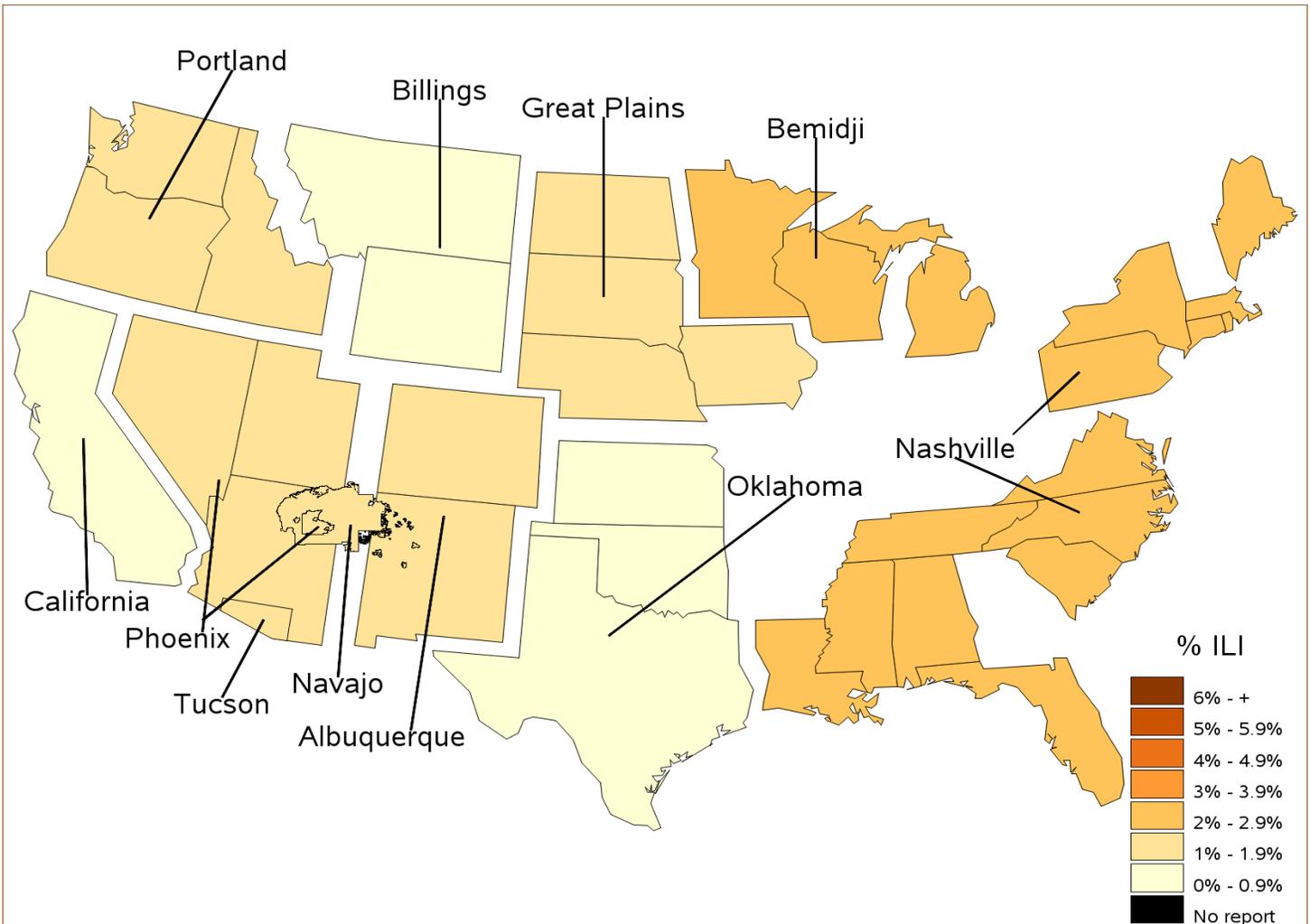
IHS Influenza-like Illness Awareness System vs. CDC ILINet
Influenza-Like Illness (ILI) for six year window from latest full week
Percentage of Visits for ILI per week
10/03/21 through 04/23/22 (Week 16)



Percent ILI visits is number of ILI visits divided by total number of daily outpatient visits.
 The horizontal line is the 2021-2022 IHS Influenza-like Illness Awareness System baseline. The CDC ILINet baseline value for 2021-2022 is 2.5.
 Baselines are computed as the mean percentage of ILI patient visits during non-influenza weeks (as defined by CDC) for the previous four seasons, plus two standard deviations.

Sources: ILINet - CDC Sentinel Surveillance System for Influenza-Like Illness, IHS IAS - Influenza-like Illness Awareness System

**Percentage of Influenza-Like Illness Visits by IHS Area
For Week Ending 04/23/22 (Week 16)**



**Percent ILI Visits*
Current week compared to previous week
For Week Ending 04/23/22 (Week 16)**

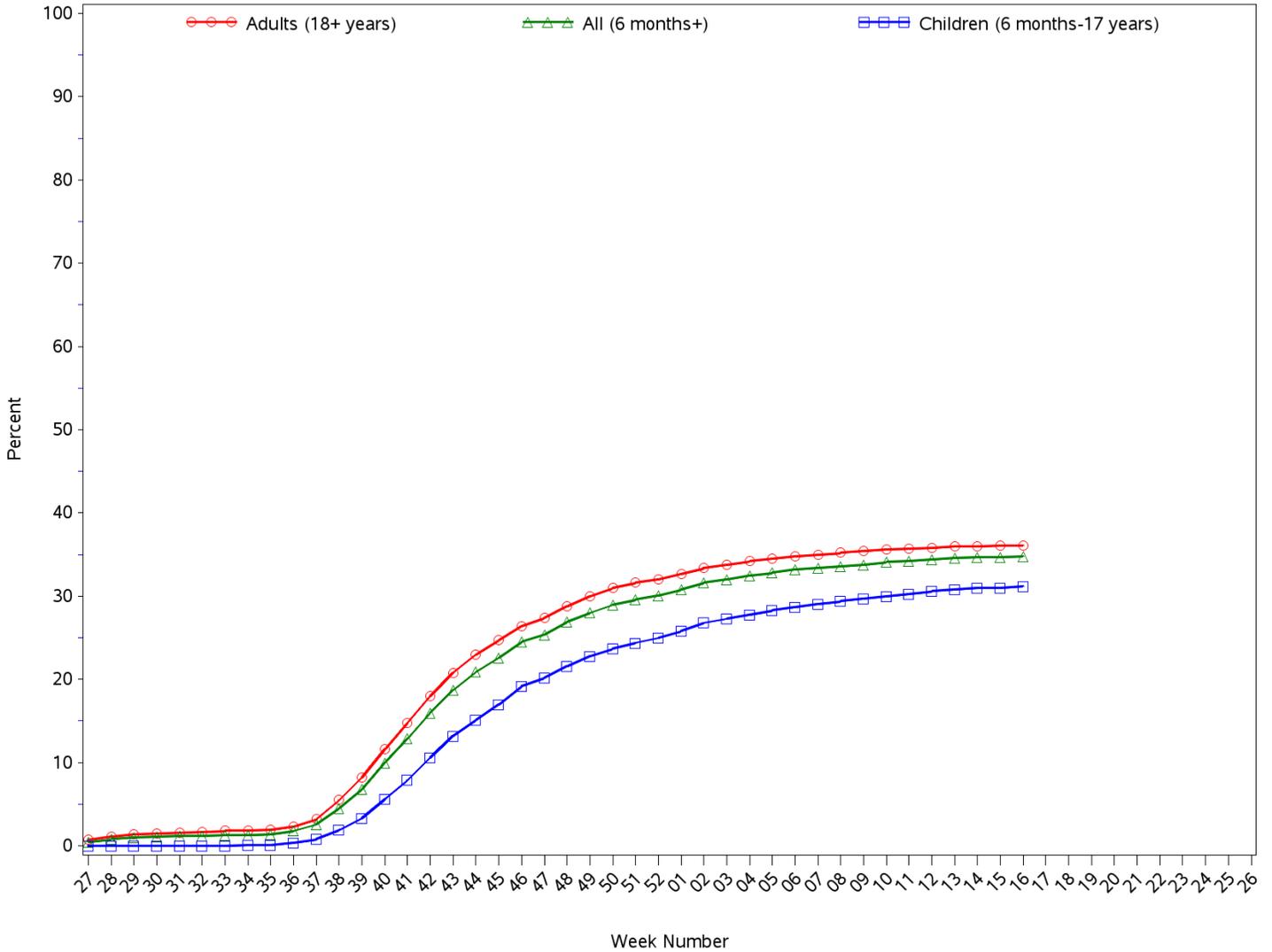
| IHS Areas | Previous Week (15) | Current Week (16) |
|------------------|---------------------------|--------------------------|
| NATIONAL | 1.4 | 1.1 |
| ALBUQUERQUE | 1.3 | 1.5 |
| BEMIDJI | 2.1 | 2.3 |
| BILLINGS | 0.8 | 0.7 |
| CALIFORNIA | 0.2 | 0.3 |
| GREAT PLAINS | 2.3 | 1.2 |
| NASHVILLE | 2.4 | 2.2 |
| NAVAJO | 1.6 | 1.2 |
| OKLAHOMA | 1.2 | 0.6 |
| PHOENIX | 1.2 | 1.5 |
| PORTLAND | 1.0 | 1.0 |
| 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 04/23/2022, sites reporting to the IIAS have administered 305,767 doses (1st and 2nd) of seasonal influenza vaccine to active clinical patients 6 months of age and older.

All Reporting IHS Areas Percentage of Seasonal Influenza Vaccine Coverage among Active Clinical Population 07/04/21 through 04/23/22 (Week 16)



**All Reporting IHS Areas
Seasonal Influenza Vaccine Coverage by Age Group*
Active Clinical Population**
07/04/21 through 04/23/22 (Week 16)**

| 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 | 2,486 | 85 | 3.4 | 200 | 8.0 | 285 |
| 6 - 23 months | 12,394 | 5,920 | 47.8 | 1,972 | 15.9 | 7,910 |
| 2 - 4 years | 33,096 | 7,808 | 23.6 | 182 | 0.5 | 8,017 |
| 5 - 17 years | 134,937 | 42,480 | 31.5 | 323 | 0.2 | 42,937 |
| 18 - 49 years | 274,539 | 76,288 | 27.8 | 35,261 | 12.8 | 111,809 |
| 50 - 64 years | 122,063 | 53,466 | 43.8 | 19,734 | 16.2 | 73,431 |
| 65 + years | 87,588 | 45,224 | 51.6 | 16,109 | 18.4 | 61,663 |
| Children (6 months-17 years) | 180,427 | 56,208 | 31.2 | 2,477 | 1.4 | 58,864 |
| Adults (18+ years) | 484,190 | 174,978 | 36.1 | 71,104 | 14.7 | 246,903 |
| All (6 months+) | 664,617 | 231,186 | 34.8 | 73,581 | 11.1 | 305,767 |

* Limited to sites that exported both doses administered along with accompanying 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.

**** Total # Doses Administered = All doses administered to patients including doses not included in coverage calculation due to lack of Active Clinical Population

**Seasonal Influenza Vaccination Code Counts by IHS Area
07/04/21 through 04/23/22 (Week 16)**

| Area | INACTIVE CVX CODES* | CVX 88 FLU-NOS** | CVX 149 FLU-LAIV4 | CVX 150 FLU-IIV4pf | CVX 158 FLU-IIV4 | CVX 161 IIV4pf ped | CVX 168 FLU-IIV3ad | CVX 171 FLU-ccl4pf | CVX 185 FLU-RIV4 | CVX 186 FLU-ccl4 | CVX 197 FLU-HIGH | CVX 205 FLU-IIV4ad | Proc 99.5 2 Vac Inf | ICD-9 V04.81 Vac Inf | CPT Billing Codes+ | Cumulative # of Doses Seasonal Flu |
|------|---------------------|------------------|-------------------|--------------------|------------------|--------------------|--------------------|--------------------|------------------|------------------|------------------|--------------------|---------------------|----------------------|--------------------|------------------------------------|
| ALB | 167 | 455 | 56 | 11,425 | 6,816 | 323 | 12 | 20 | 11 | 27 | 51 | 3,732 | 0 | 0 | 80 | 23,175 |
| BEM | 31 | 108 | 32 | 5,185 | 134 | 2 | 1 | 16 | 12 | 2 | 19 | 564 | 0 | 0 | 35 | 6,141 |
| BIL | 165 | 143 | 119 | 8,682 | 2,028 | 42 | 0 | 14 | 44 | 11 | 13 | 1,222 | 0 | 0 | 64 | 12,547 |
| CAO | 852 | 184 | 5 | 2,514 | 425 | 45 | 3 | 276 | 195 | 211 | 67 | 180 | 0 | 0 | 39 | 4,996 |
| GPA | 737 | 165 | 10 | 7,553 | 1,491 | 855 | 0 | 17 | 2 | 3 | 54 | 145 | 0 | 0 | 17 | 11,049 |
| NSA | 405 | 308 | 31 | 6,049 | 3,545 | 30 | 1 | 69 | 49 | 3 | 70 | 1,104 | 0 | 0 | 95 | 11,759 |
| NAV | 150 | 498 | 3 | 56,113 | 7,364 | 933 | 1 | 2,140 | 28 | 404 | 80,190 | 3,260 | 0 | 0 | 263 | 151,347 |
| OKC | 1,356 | 2,263 | 312 | 33,092 | 5,341 | 419 | 32 | 142 | 99 | 28 | 330 | 7,736 | 0 | 0 | 111 | 51,261 |
| PHX | 259 | 506 | 1 | 18,037 | 8,525 | 143 | 2 | 26 | 6 | 7 | 19 | 2,418 | 0 | 0 | 72 | 30,021 |
| POR | 106 | 68 | 35 | 478 | 1,559 | 19 | 0 | 186 | 2 | 1 | 25 | 114 | 0 | 0 | 13 | 2,606 |
| TUC | 27 | 9 | 0 | 6,120 | 51 | 25 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 15 | 6,254 |
| | 4,255 | 4,707 | 604 | 155,248 | 37,279 | 2,836 | 52 | 2,911 | 448 | 699 | 80,838 | 20,475 | 0 | 0 | 804 | 311,156 |

Patient Counts Not Deduplicated

* Inactive CVX Codes 15 (FLU-TIVhx), 16 (FLU-WHOLE), 111 (FLU-LAIV3), 123 (FLU-H5N1), 135 (FLU-HIGH), 140 (FLU-IIV3pf), 141 (FLU-IIV3), 144 (FLU-DERMAL), 151 (FLU-NasNOS),

153 (FLU-ccIIV3), 155 (FLU-RIV3), 160 (H5N1,adj)and 166 (FLU-DERM4) should not be used to document flu vaccines administered during flu season 2020-2021.

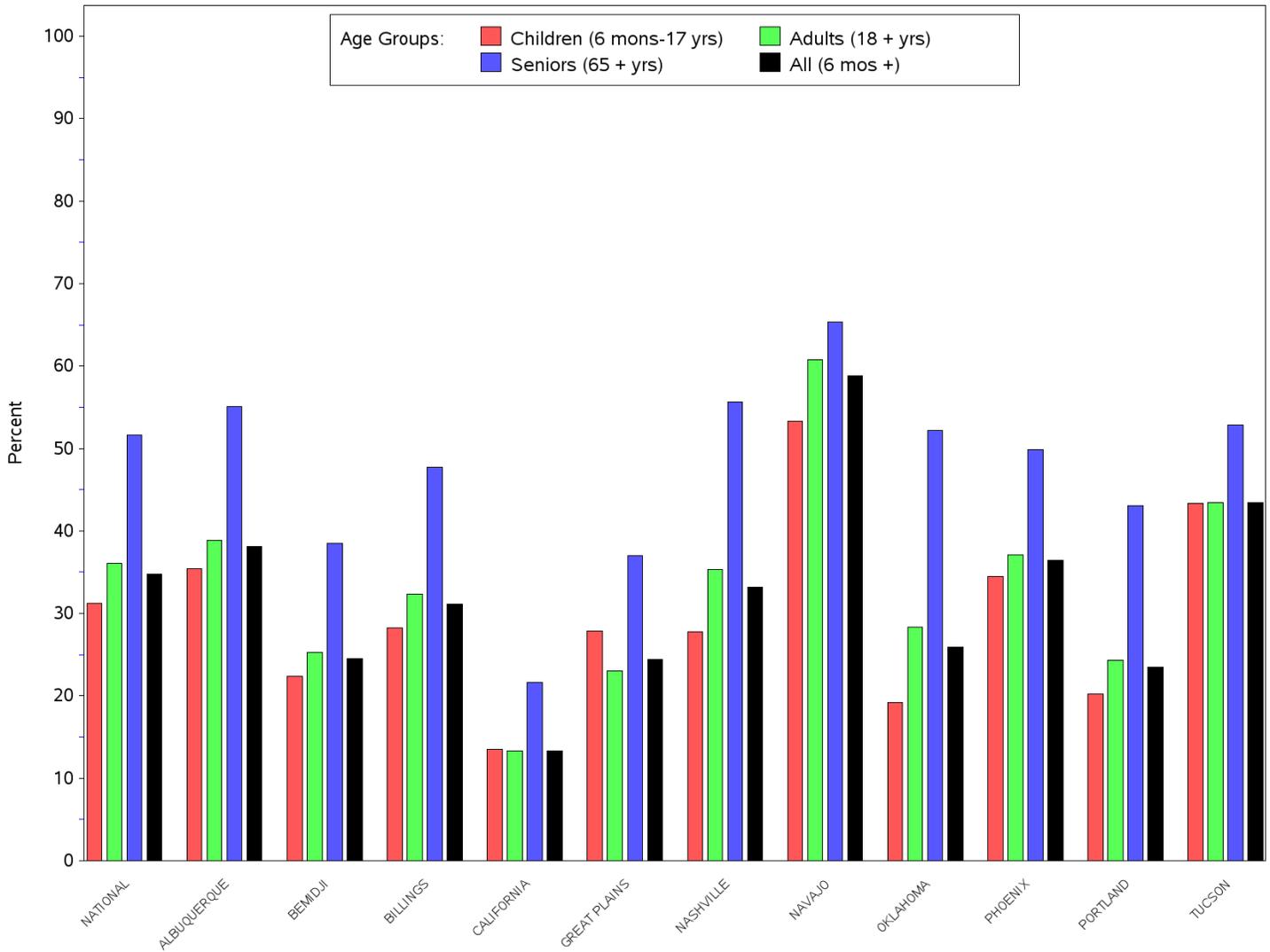
** CVX Code 88 (FLU-NOS) should only be used to document flu vaccines given elsewhere when flu vaccine type is unknown.

+ CPT Flu codes include: 90654-90658,90662, 90672, 90673, 90685, 90686, G0008, and 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.

Starting in Week 11, 2022 CVX 197 FLU-HIGH and CVX 205 FLU-IIV4ad were updated in the flu vaccination logic.

All Reporting IHS Areas
Influenza Vaccine Coverage for all Age Groups for National and in each Area
% Seasonal Flu (At Least 1 Dose) for Active Clinical Population
07/04/21 through 04/23/22 (Week 16)



All Reporting IHS Areas
Influenza Vaccine Coverage for all Age Groups for National and in each Area
% Seasonal Flu (At Least 1 Dose) for Active Clinical Population
07/04/21 through 04/23/22 (Week 16)

| Area | Children (6 mons-17 yrs) | Adults (18+ yrs) | Seniors (65+ yrs) | All (6 mons +) |
|--------------|-----------------------------|---------------------|----------------------|-------------------|
| NATIONAL | 31.2 | 36.1 | 51.6 | 34.8 |
| ALBUQUERQUE | 35.4 | 38.9 | 55.1 | 38.1 |
| BEMIDJI | 22.4 | 25.3 | 38.5 | 24.5 |
| BILLINGS | 28.2 | 32.3 | 47.7 | 31.1 |
| CALIFORNIA | 13.5 | 13.3 | 21.6 | 13.3 |
| GREAT PLAINS | 27.9 | 23.0 | 37.0 | 24.4 |
| NASHVILLE | 27.8 | 35.3 | 55.6 | 33.2 |
| NAVAJO | 53.3 | 60.8 | 65.3 | 58.8 |
| OKLAHOMA | 19.2 | 28.3 | 52.2 | 25.9 |
| PHOENIX | 34.5 | 37.1 | 49.9 | 36.4 |
| PORTLAND | 20.2 | 24.3 | 43.1 | 23.5 |
| TUCSON | 43.3 | 43.4 | 52.8 | 43.4 |

Number of RPMS Databases Reporting for Week Ending 04/23/22 (Week 16)

| IHS Area | # of RPMS Databases Reporting* | # of Facilities Reporting** |
|--------------|--------------------------------|-----------------------------|
| NATIONAL | 100 | 175 |
| ALBUQUERQUE | 14 | 20 |
| BEMIDJI | 3 | 6 |
| BILLINGS | 10 | 20 |
| CALIFORNIA | 11 | 15 |
| GREAT PLAINS | 7 | 10 |
| NASHVILLE | 20 | 24 |
| NAVAJO | 6 | 23 |
| OKLAHOMA | 18 | 37 |
| PHOENIX | 6 | 12 |
| PORTLAND | 4 | 5 |
| TUCSON | 1 | 3 |

* Exporting databases may include data from multiple facilities.

** Includes only facility categories: Hospital, Health Center, Health Station and Health Location