



AIRA
AMERICAN IMMUNIZATION
REGISTRY ASSOCIATION

INFORMATION REQUEST

Topic: COVID-19 Data and Influenza Administration Data
Visualization

Request Date: July 12, 2023

Information Requested:

The Wisconsin Department of Health is seeking information about COVID-19 data and influenza administration data visualization. Have any jurisdictions created data visualizations for respiratory vaccine data, or do you have any plans to create COVID-19 and influenza dashboards? If so, what metrics are you including?

Requesting Member: Ashley Murphy

Responding Member(s): Elizabeth Meininger (Chicago), Bethany Willson (OK)

Results:

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Chicago:

When we were working on our COVID-19 vaccine administration public-facing data revamp, we referenced Wisconsin's COVID-19 vaccine administration dashboards. We think Wisconsin has some great dashboards, so we're also interested in connecting on any new plans you may have for respiratory vaccine data visualization. We are in the process of brainstorming how we want to present RSV vaccine administration for adults and, if possible, potentially tracking monoclonal antibodies administered to infants.

COVID-19 Vaccines

We have several public-facing dashboards for COVID-19 vaccines and recently added vaccine coverage by geography (one by ZIP code and another by neighborhood subgrouped by age group and race/ethnicity). The new geography dashboards are our most interactive as of now. We've included a customized summary sentence and descriptive tool tips.



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INFORMATION REQUEST

- Geography: <https://www.chicago.gov/city/en/sites/covid-19/home/covid-dashboard/covid19-vaccine-coverage-geography.html> (newly published)
- Trends over time: <https://www.chicago.gov/city/en/sites/covid-19/home/covid-dashboard/covid19-vaccine-coverage-trends.html> (one of our original data visualizations)
- Coverage by demographic groups: <https://www.chicago.gov/city/en/sites/covid-19/home/covid-dashboard/covid19-vaccine-coverage-demographics.html> (one of our original data visualizations)
- COVID-19 vaccine effectiveness: <https://www.chicago.gov/city/en/sites/covid-19/home/vaccine-effectiveness.html> (one of our original data visualizations)

Flu Vaccines

We don't have anything public-facing for flu vaccination coverage, mainly because we have some data challenges, as Illinois doesn't have mandatory vaccine reporting. But we did build an internal Power BI dashboard last fall to estimate coverage using data from the National Immunization Survey. See attachment titled "Influenza Vaccination Coverage." Each visual has different filters. During flu season, we also update an internal line chart that compares the number of flu vaccines administered each month by season.

Oklahoma:

I have created some visualization dashboards with Power BI for COVID-19 as well as flu. I am attaching a few samples of what we send to our districts each month.

See attachment titled "Vaccine Administration Dashboard."

Influenza Vaccination Coverage by Week, Chicago

Influenza Season

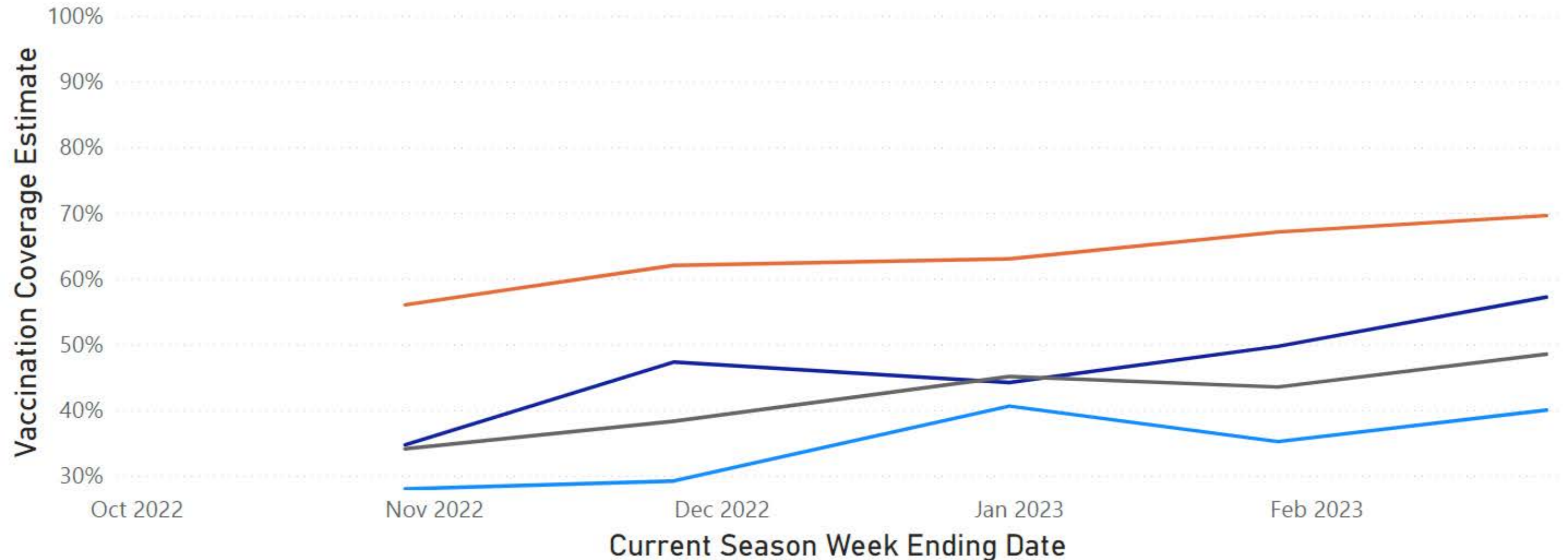
2022-2023

Age Group

All

Adults 18 Years and Older, by Age Group

Age Group ● 18-49 yrs ● 50-64 yrs ● 65+ yrs ● All Adults (18+)



Source: National Immunization Survey-Adult COVID Module

Influenza Vaccination Coverage by Week, Chicago



Influenza Season

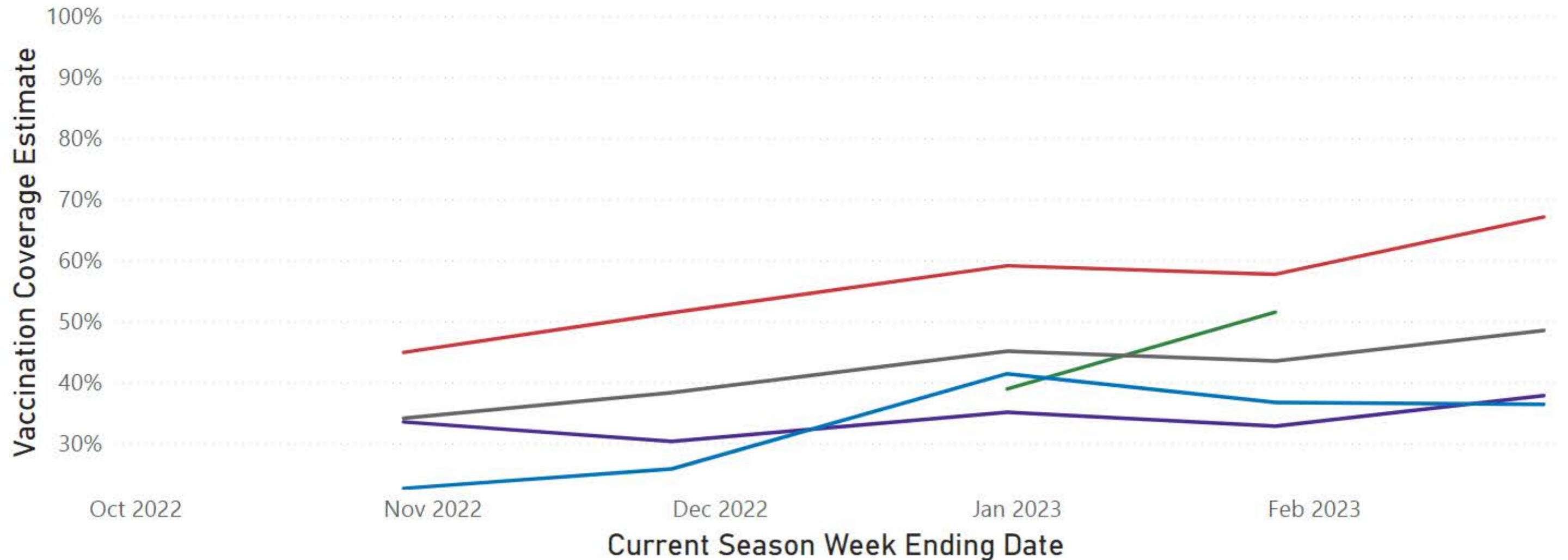
2022-2023

Race/ Ethnicity

All

Adults 18 Years and Older, by Race/ Ethnicity

Race/ Ethnicity ● Asian, Non-Hispanic ● Black, Non-Hispanic ● Hispanic ● Overall ● White, Non-Hispanic



Source: National Immunization Survey-Adult COVID Module

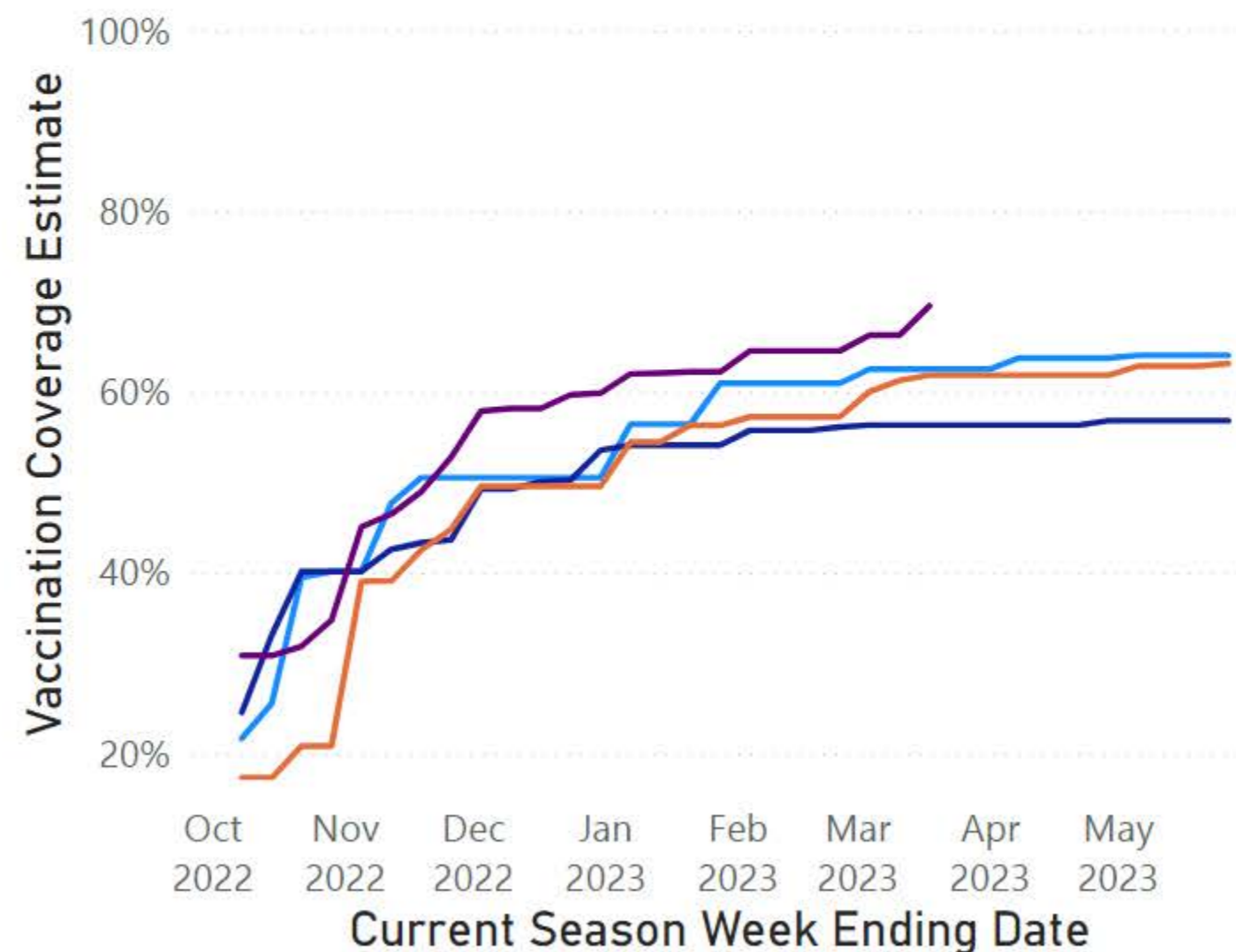
Influenza Vaccination Coverage by Week, Chicago

Influenza Season

All

Children Under 18 Years

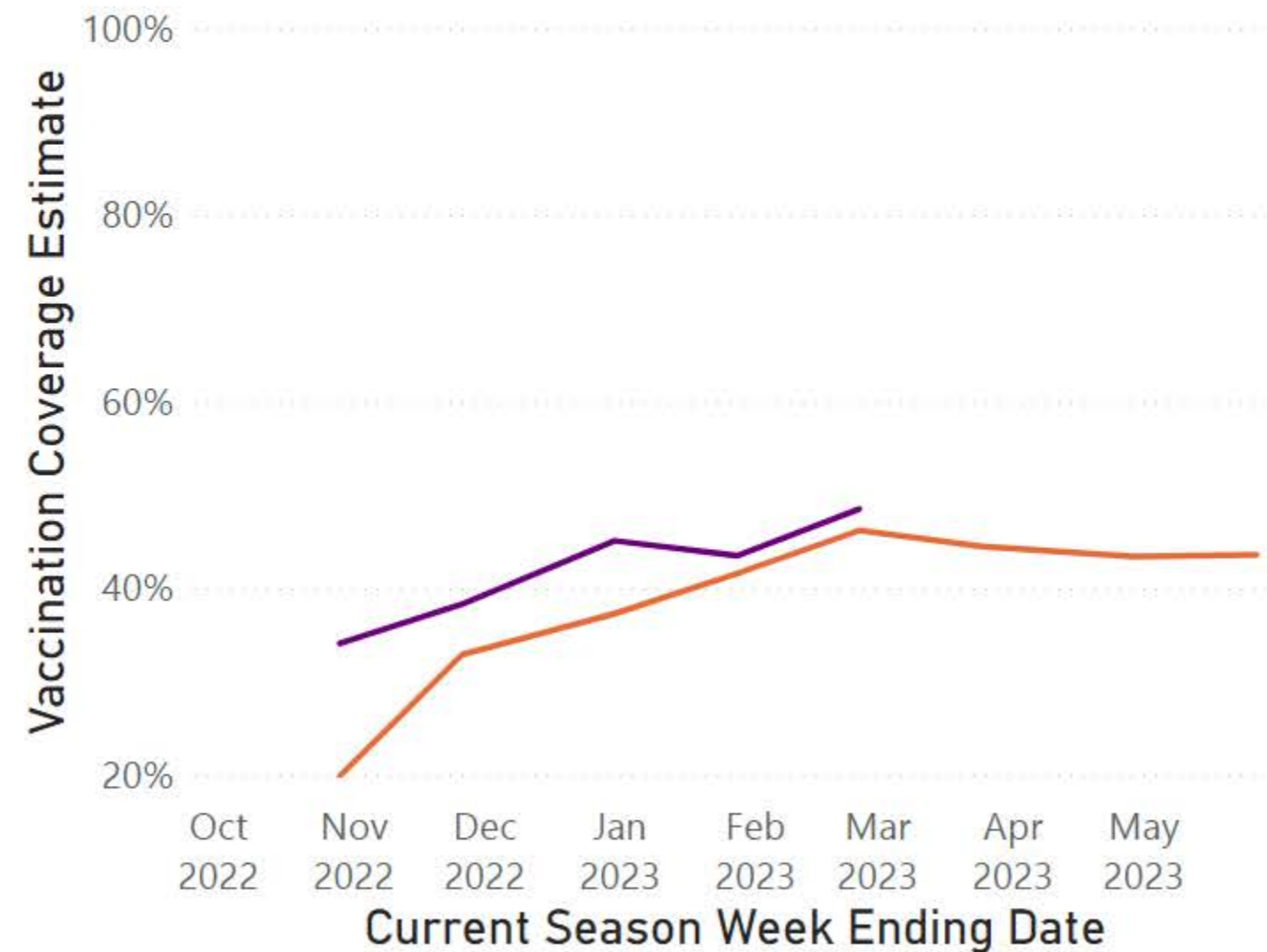
Influenza Season ● 2019-2020 ● 2020-2021 ● 2021-2022 ● 2022-2023



Source: National Immunization Survey-Flu

Adults 18 Years and Older

Influenza Season ● 2021-2022 ● 2022-2023



Source: National Immunization Survey-Adult COVID Module

MAY 2023 COVID-19 VACCINE ADMINISTRATION DASHBOARD* **



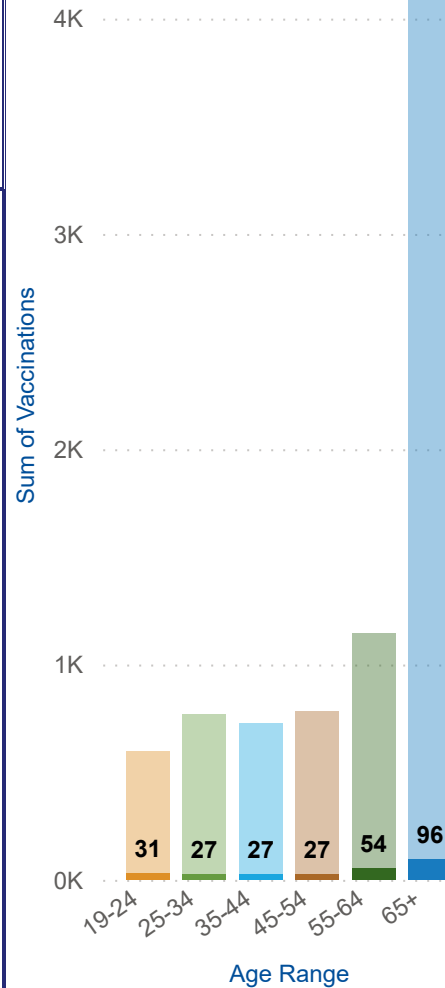
Oklahoma COVID-19
Vaccinations Administered in CY
2023 for Adults Ages 19+

54,184

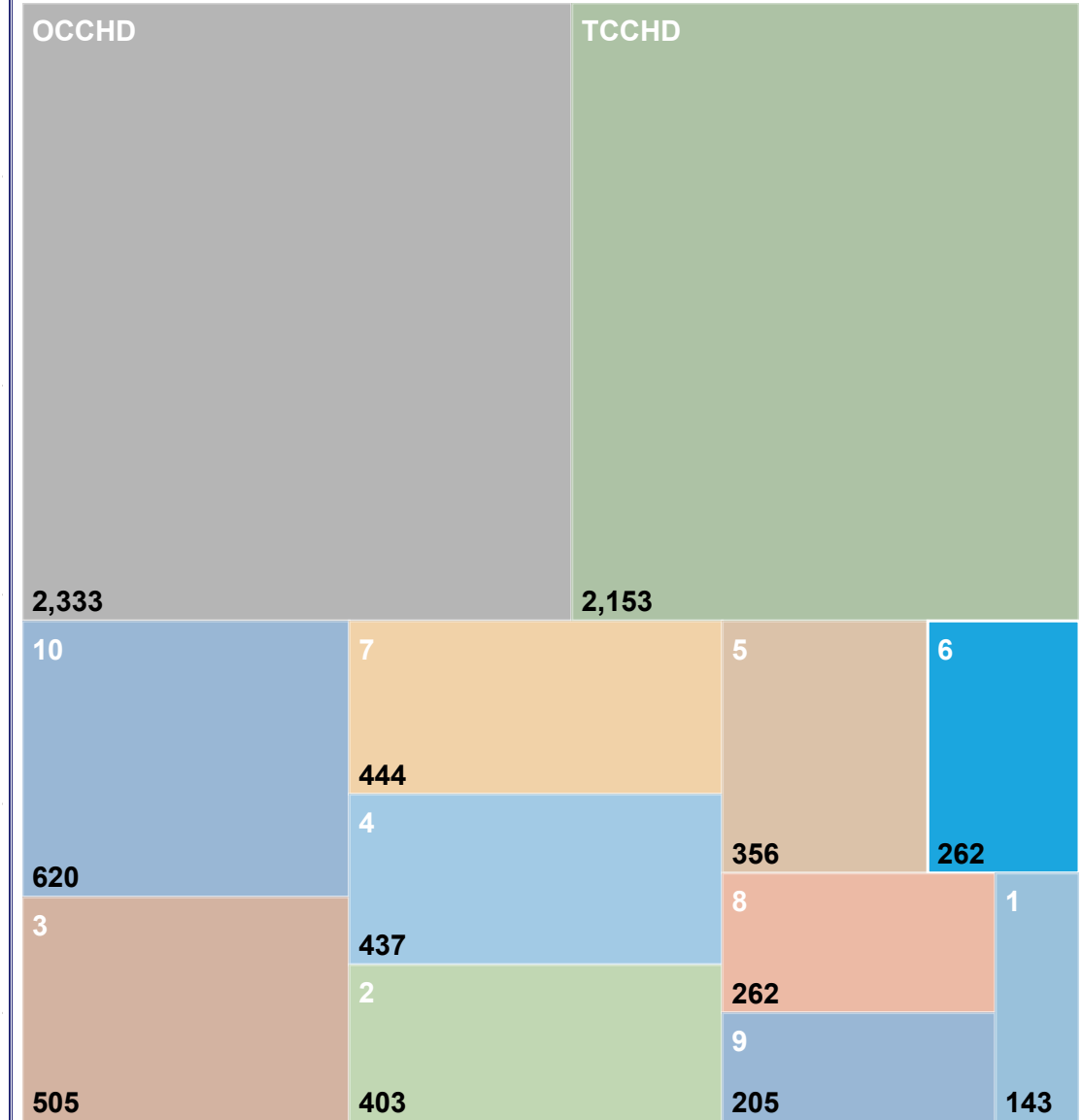
COVID-19 Vaccinations
Administered May 2023 for
Adults Ages 19+

262

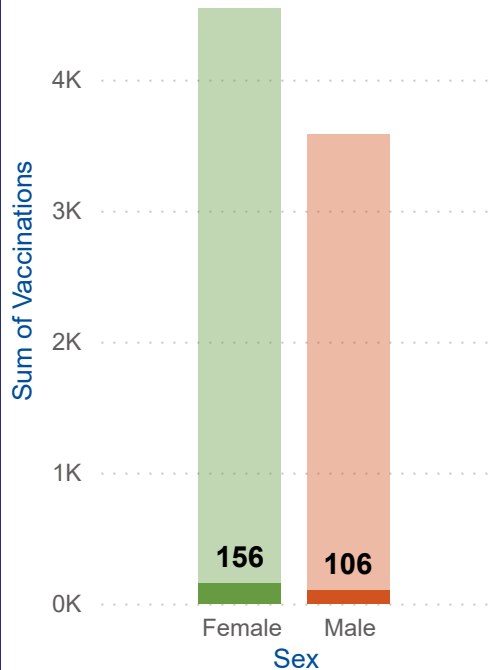
Sum of Vaccinations by Age Range



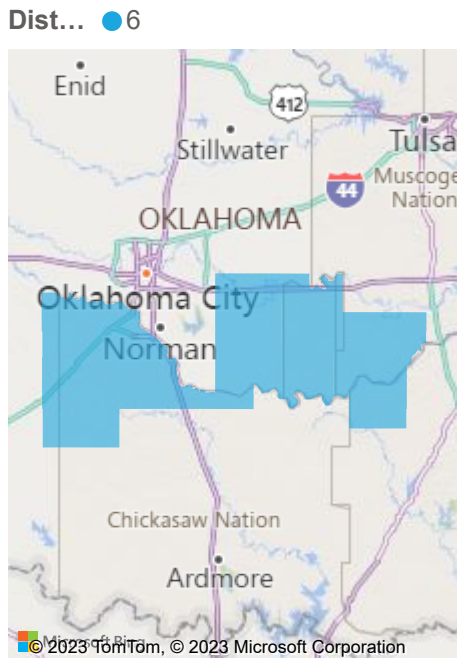
Sum of Vaccinations by District



Sum of Vaccinations by Sex



Sum of Vaccinations by County and District



*Vaccines with no location information were not included in this report

**OSIIS does not receive all vaccinations administered in Oklahoma



MAY 2023 DISTRICT-LEVEL COVID-19 VACCINE ADMINISTRATION DASHBOARD* **



District

Oklahoma COVID-19 Vaccinations Administered in CY 2023 for Adults Ages 19+

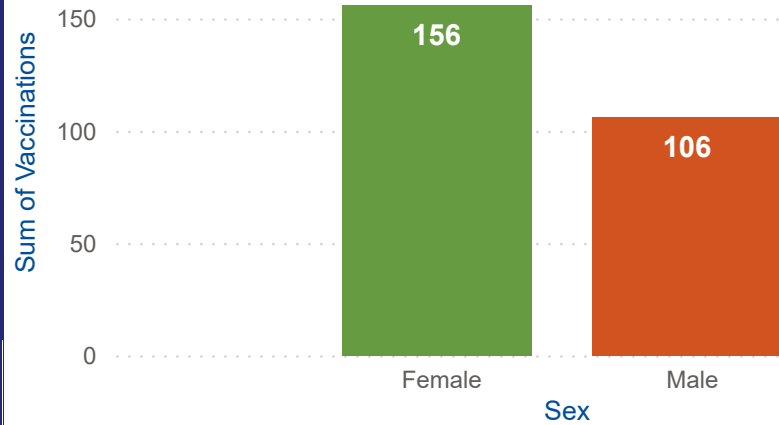
54,184

COVID-19 Vaccinations Administered May 2023 for Adults Ages 19+

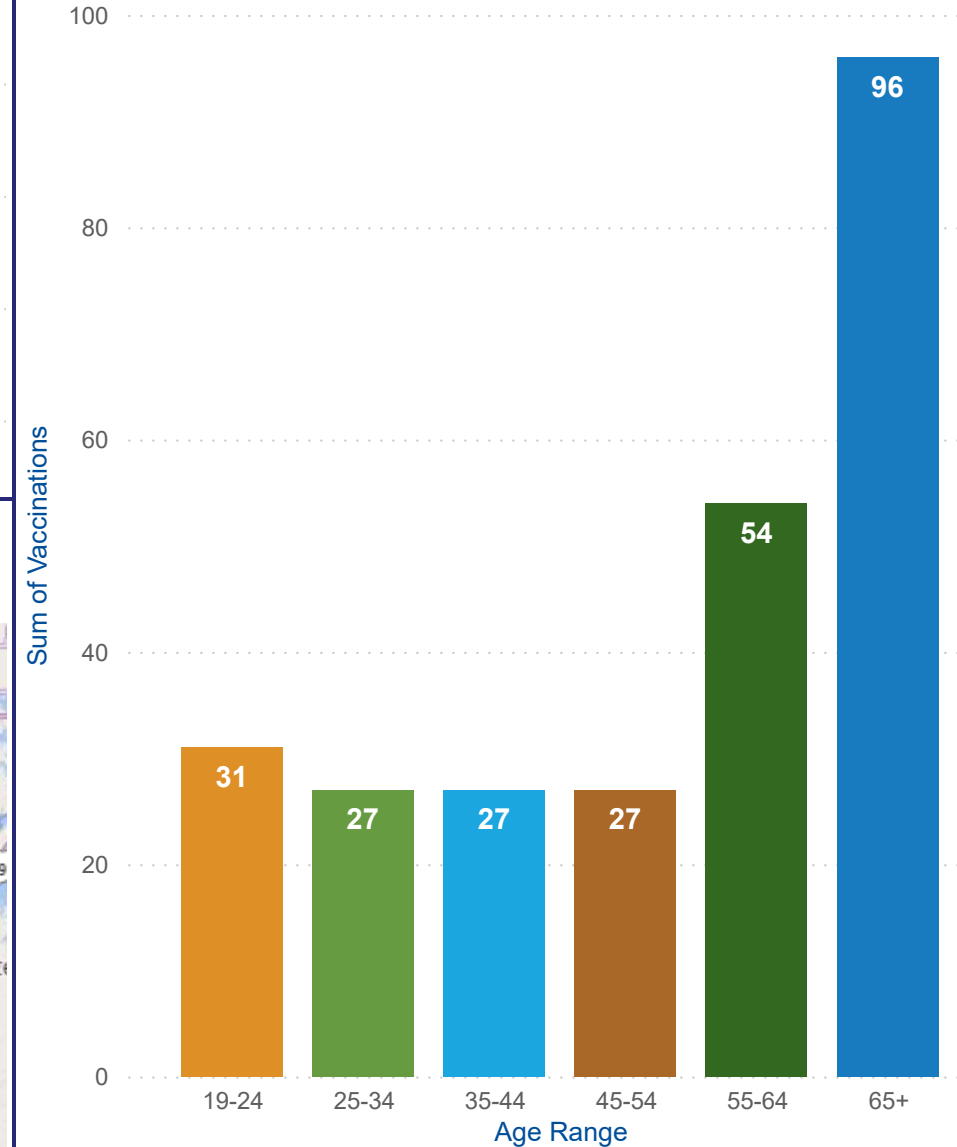
262

District	Sum of Vaccinations
6	262
Total	262

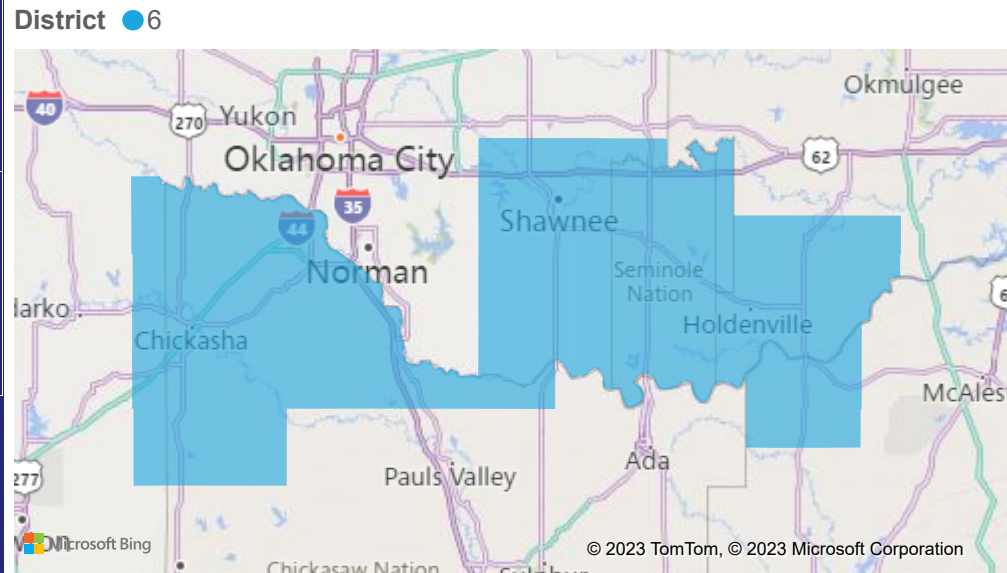
Sum of Vaccinations by Sex



Sum of Vaccinations by Age Range



Sum of Vaccinations by County and District



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MAY 2023 FLU VACCINE ADMINISTRATION DASHBOARD* **



OKLAHOMA
State Department of Health

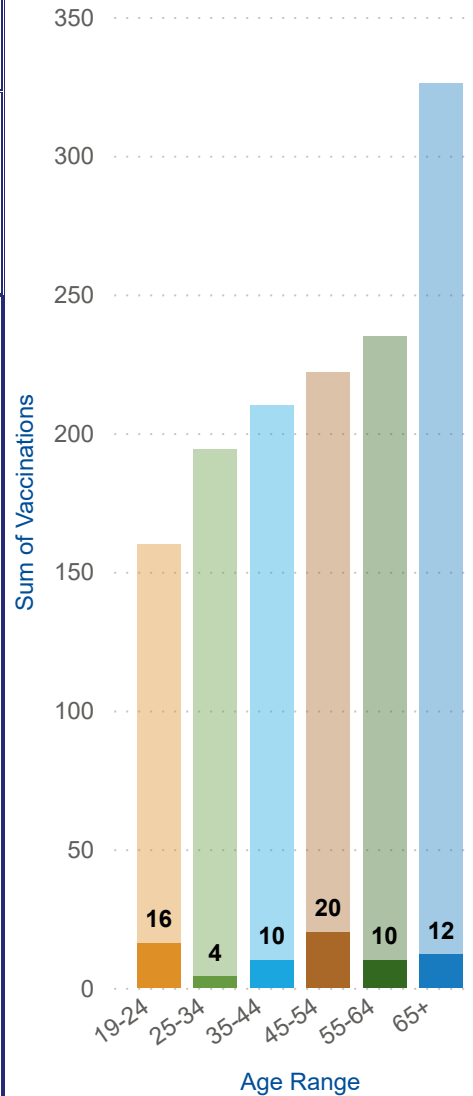
Oklahoma Flu Vaccinations Administered in Flu Season 2022-2023 for Adults Ages 19+

778,286

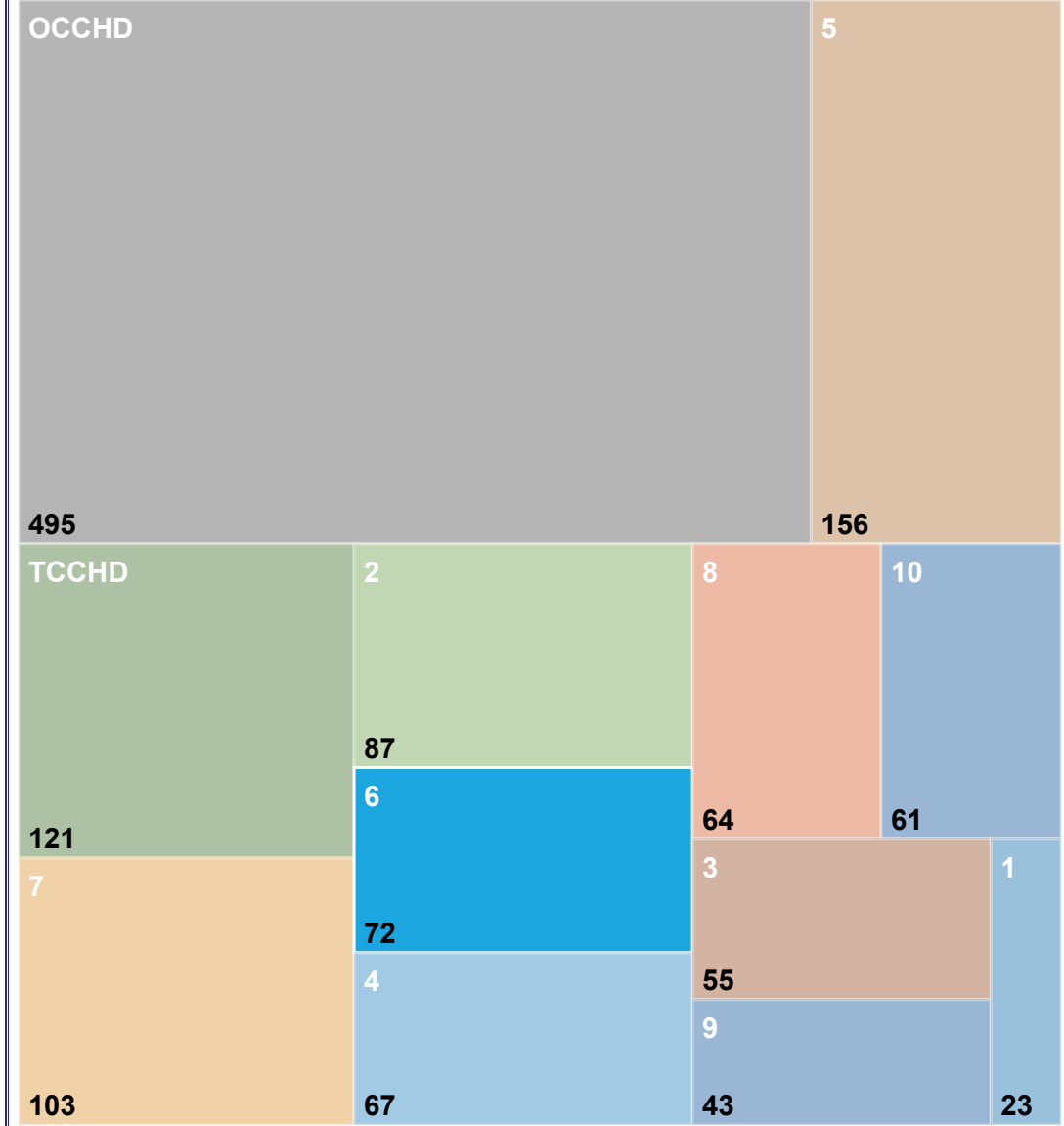
Flu Vaccinations Administered May 2023 for Adults Ages 19+

72

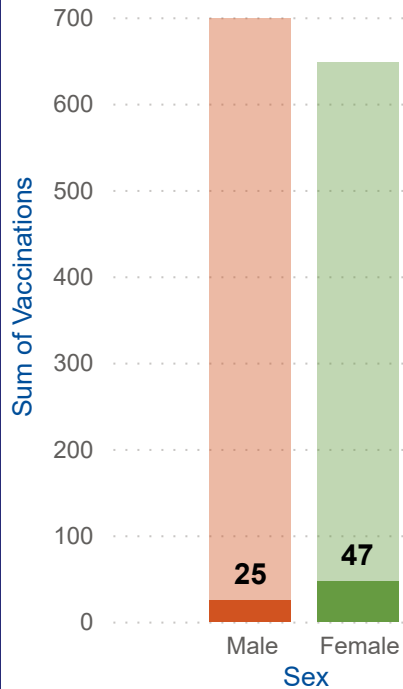
Sum of Vaccinations by Age Range



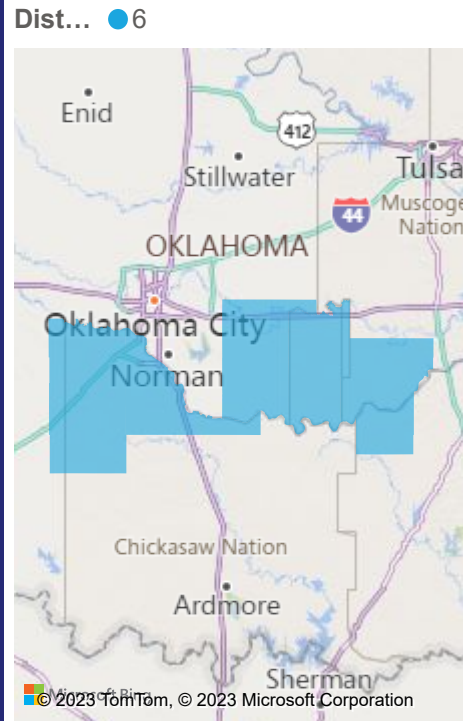
Sum of Vaccinations by District



Sum of Vaccinations by Sex



County and District



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MAY 2023 DISTRICT-LEVEL FLU VACCINE ADMINISTRATION DASHBOARD* **



District

Oklahoma Flu Vaccinations Administered in Flu Season 2022-2023 for Adults Ages 19+

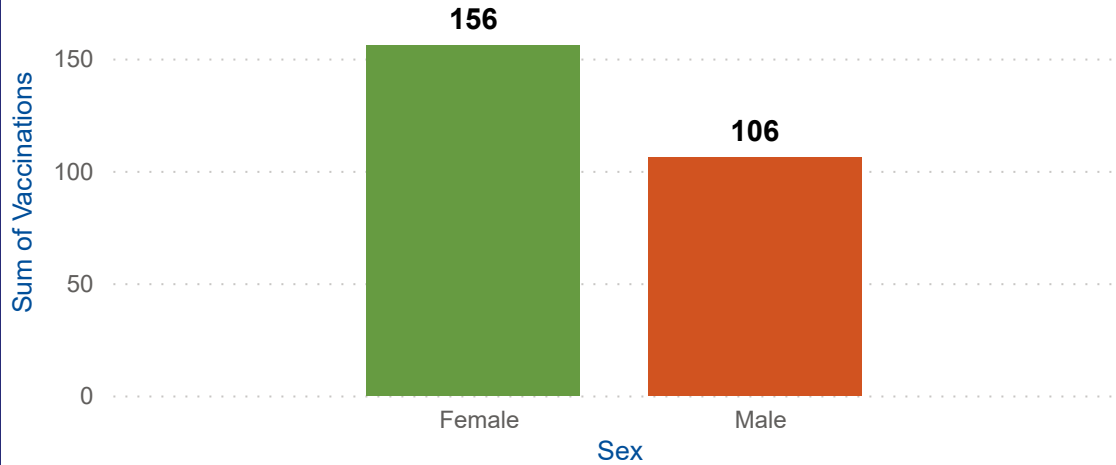
778,286

Flu Vaccinations Administered May 2023 for Adults Ages 19+

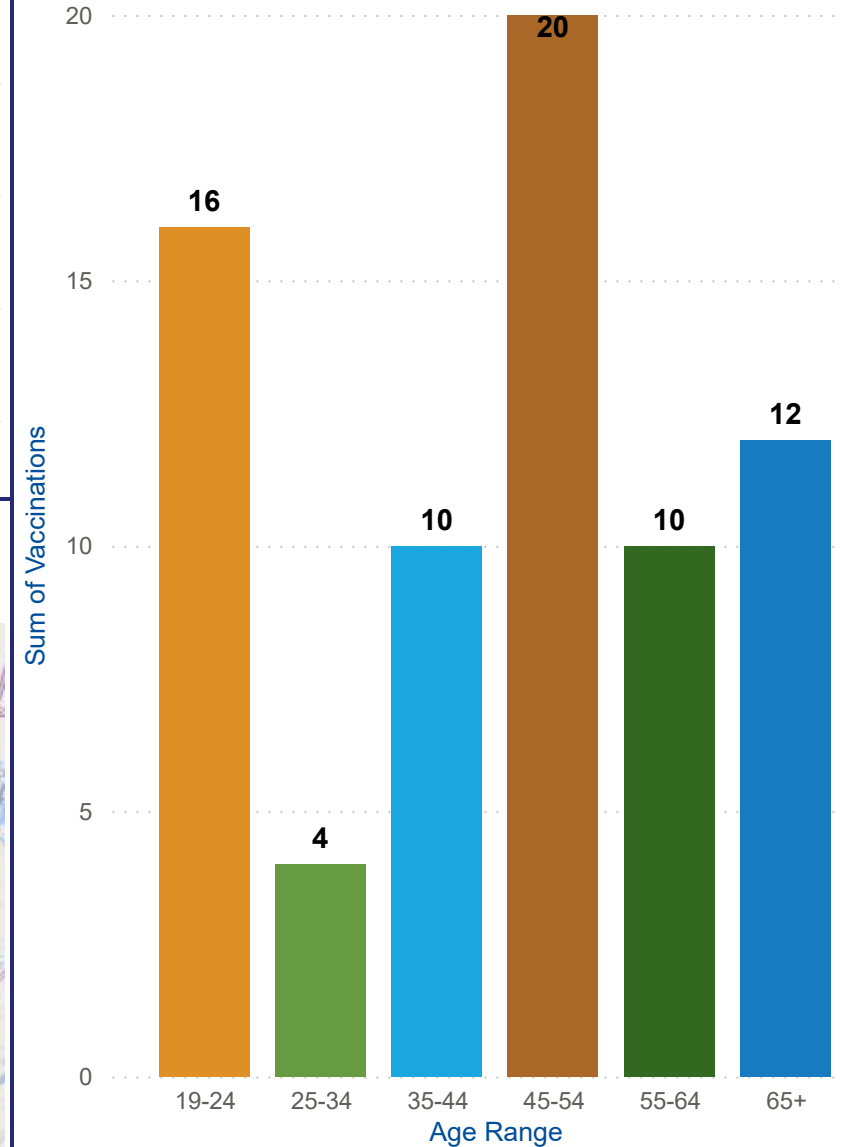
72

District	Sum of Vaccinations
6	72
Total	72

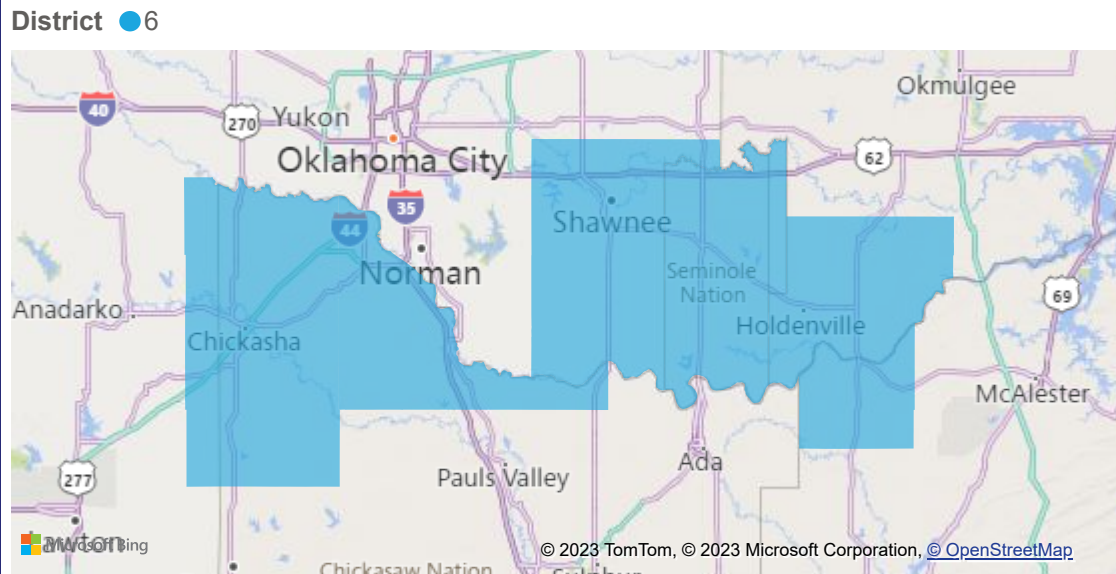
Sum of Vaccinations by Sex



Sum of Vaccinations by Age Range



Sum of Vaccinations by County and District



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**OSIS does not receive all vaccinations administered in Oklahoma

MAY 2023 COVID-19 VACCINE ADMINISTRATION DASHBOARD* **



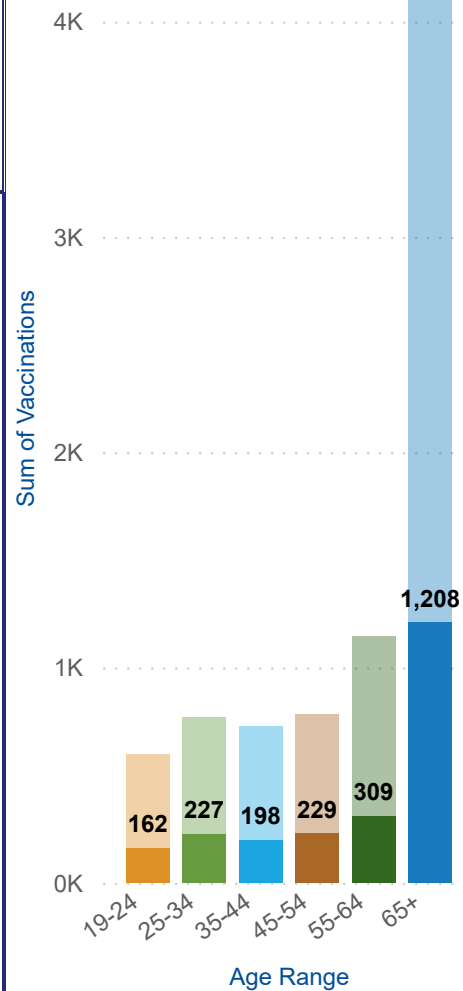
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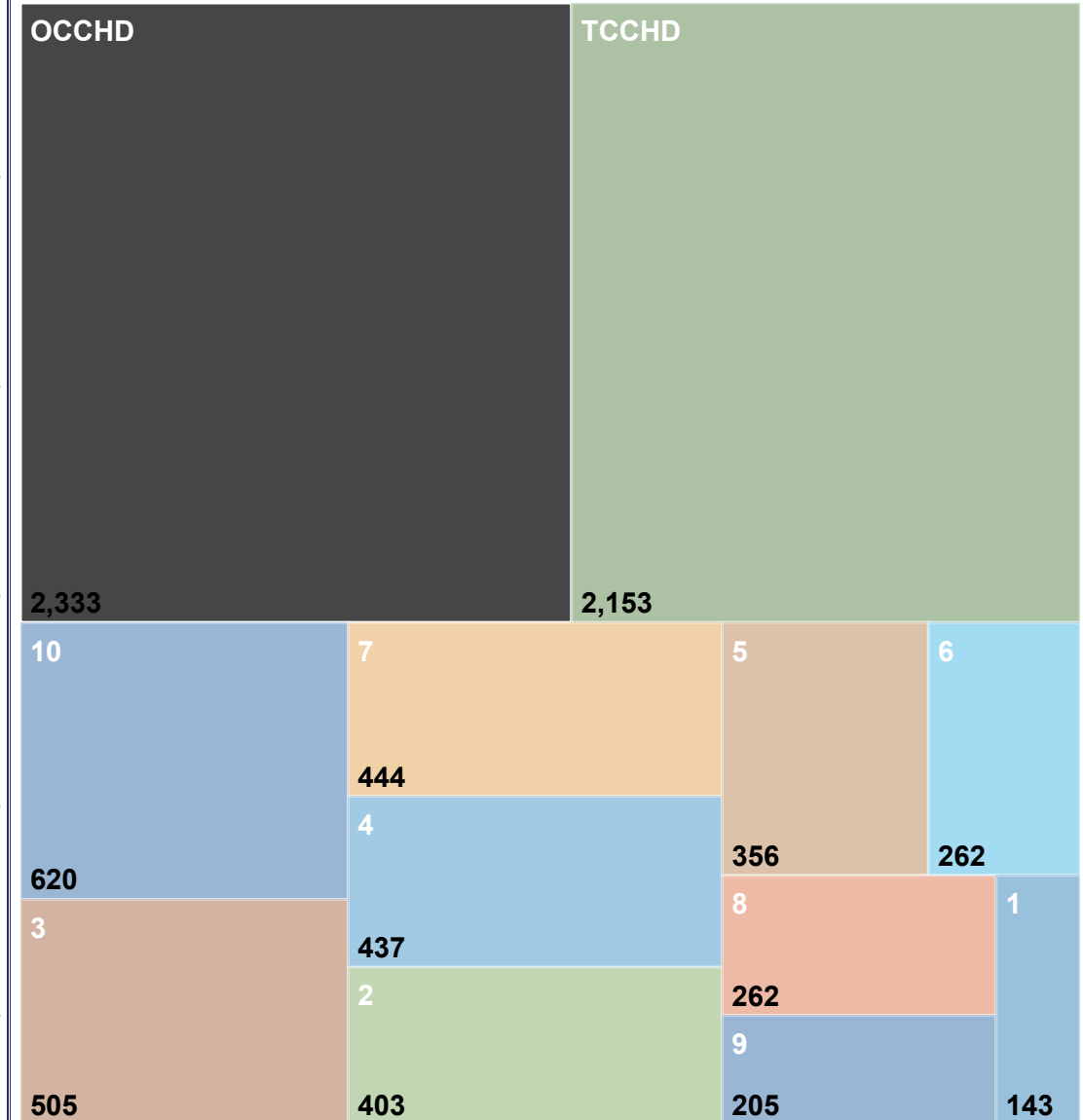
COVID-19 Vaccinations
Administered May 2023 for
Adults Ages 19+

2,333

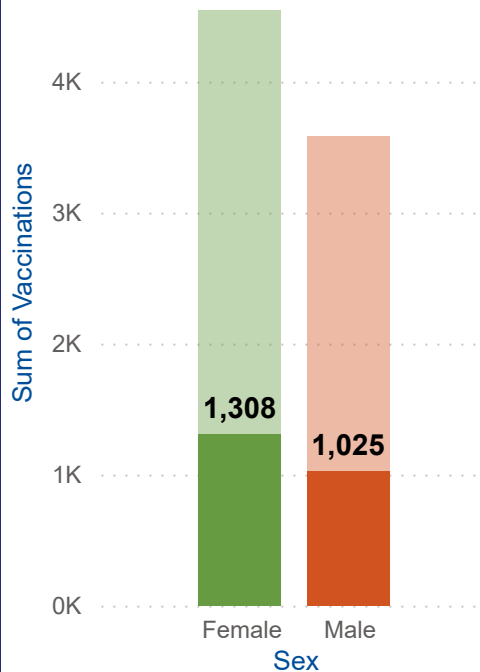
Sum of Vaccinations by Age Range



Sum of Vaccinations by District



Sum of Vaccinations by Sex



Sum of Vaccinations by County and District



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MAY 2023 DISTRICT-LEVEL COVID-19 VACCINE ADMINISTRATION DASHBOARD* **



OKLAHOMA
State Department of Health

District

Oklahoma COVID-19 Vaccinations Administered in CY 2023 for Adults Ages 19+

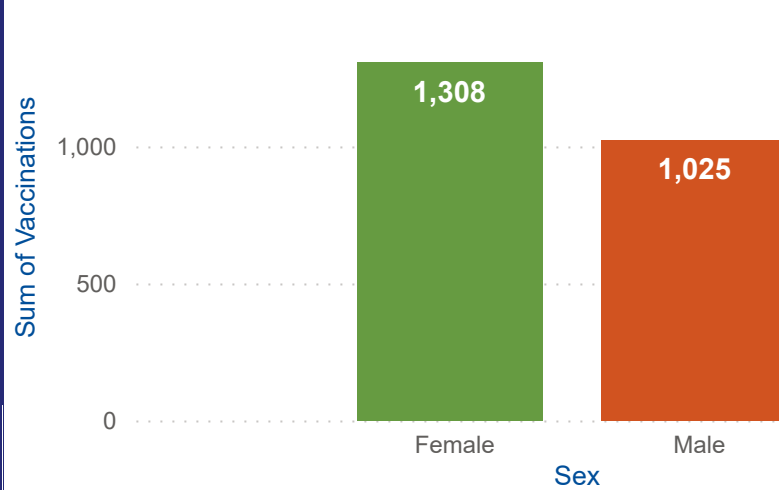
54,184

COVID-19 Vaccinations Administered May 2023 for Adults Ages 19+

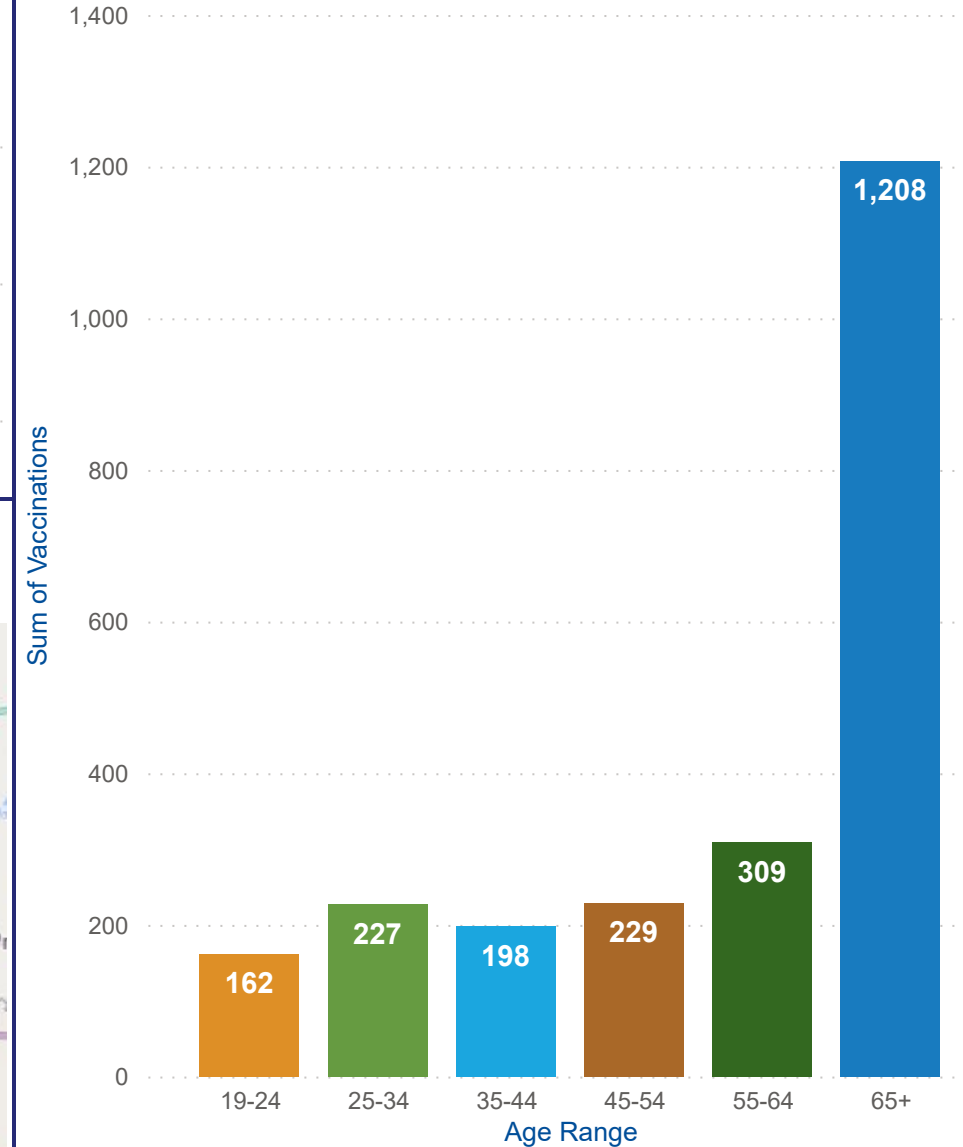
2,333

District	Sum of Vaccinations
OCCHD	2,333
Total	2,333

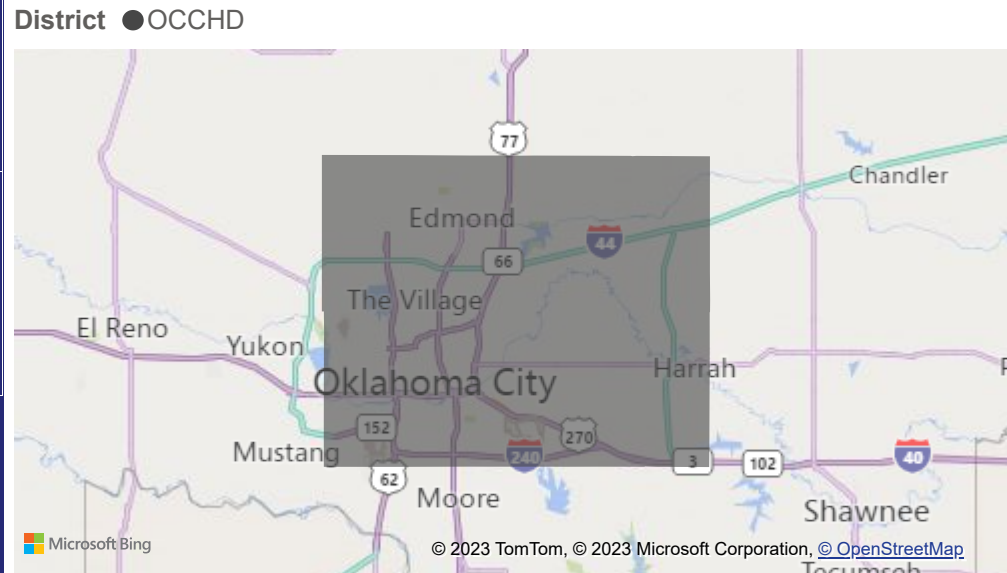
Sum of Vaccinations by Sex



Sum of Vaccinations by Age Range



Sum of Vaccinations by County and District



*Vaccines with no location information were not included in this report

**OSIIS does not receive all vaccinations administered in Oklahoma

MAY 2023 FLU VACCINE ADMINISTRATION DASHBOARD* **



OKLAHOMA
State Department of Health

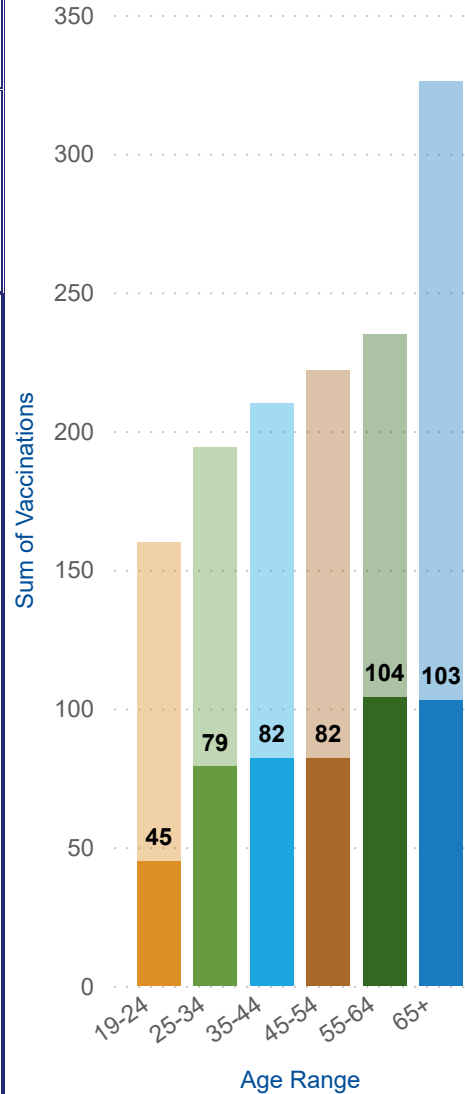
Oklahoma Flu Vaccinations Administered in Flu Season 2022-2023 for Adults Ages 19+

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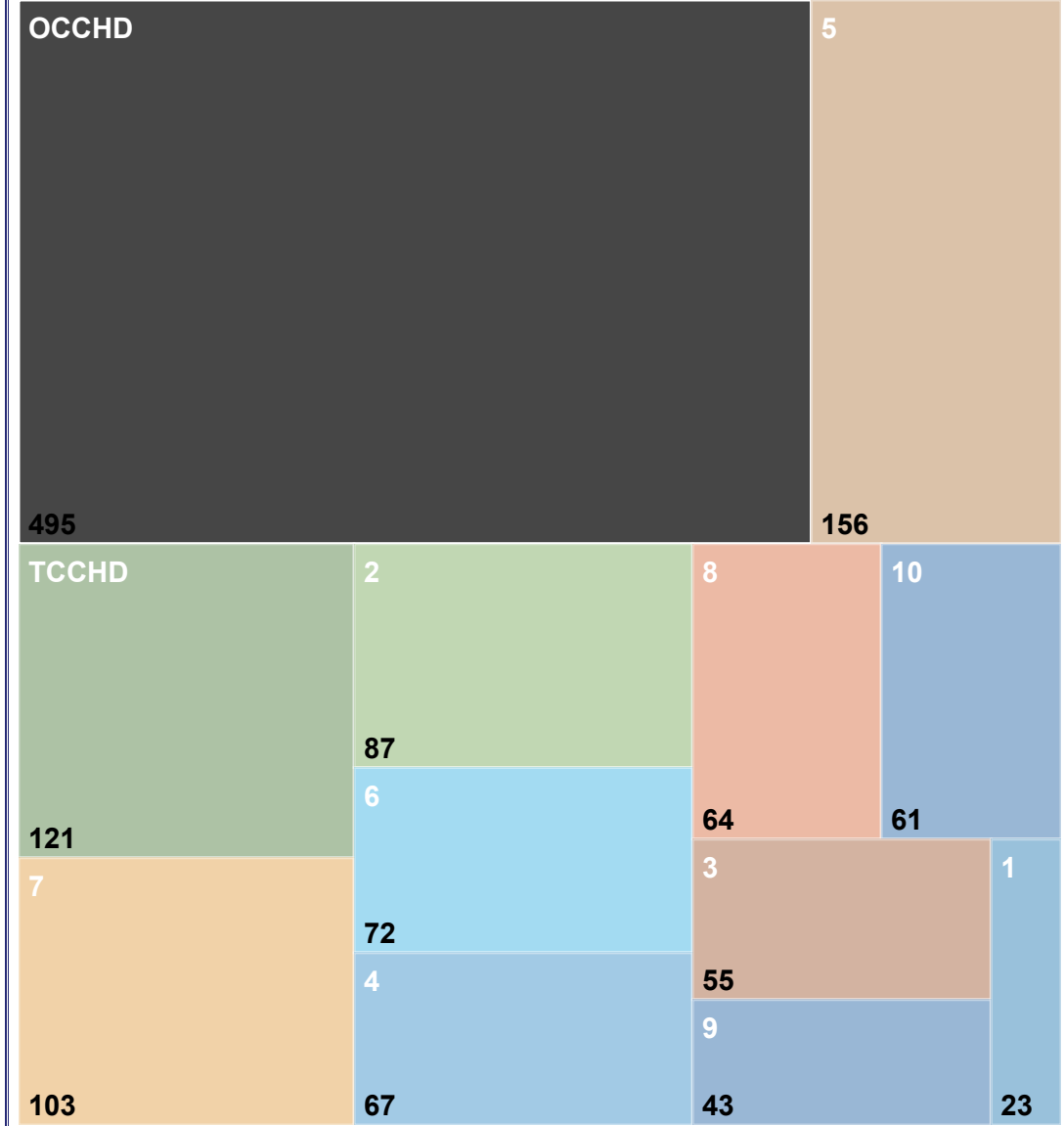
Flu Vaccinations Administered May 2023 for Adults Ages 19+

495

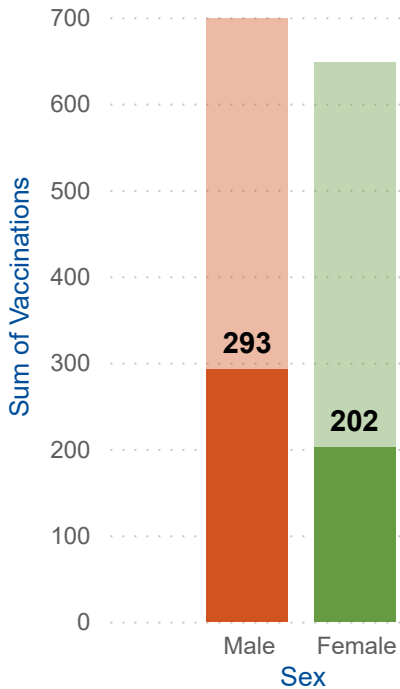
Sum of Vaccinations by Age Range



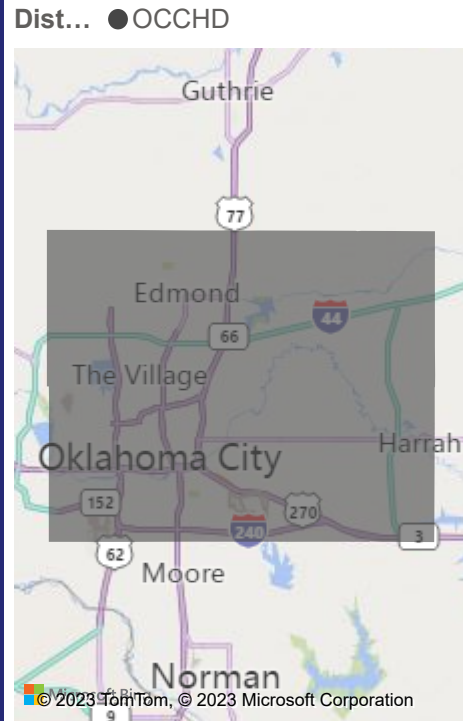
Sum of Vaccinations by District



Sum of Vaccinations by Sex



County and District



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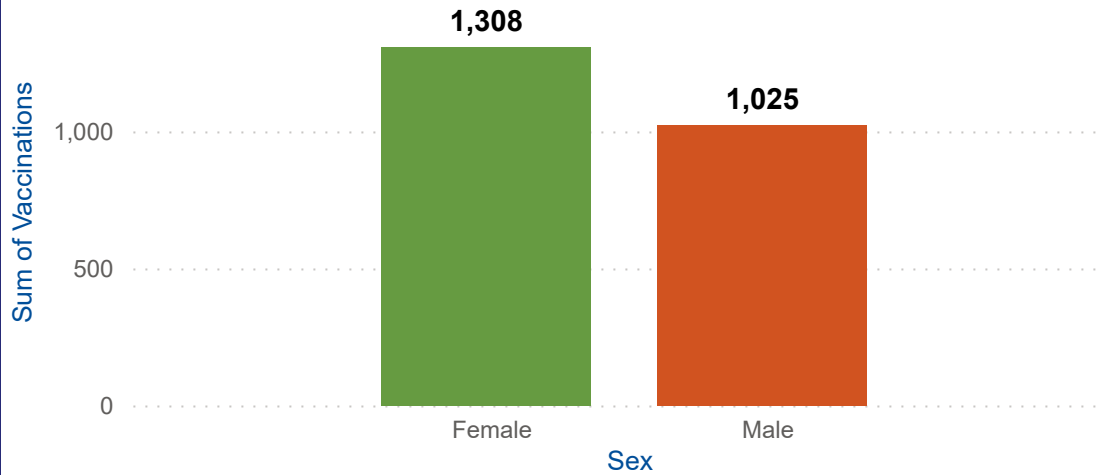
MAY 2023 DISTRICT-LEVEL FLU VACCINE ADMINISTRATION DASHBOARD* **



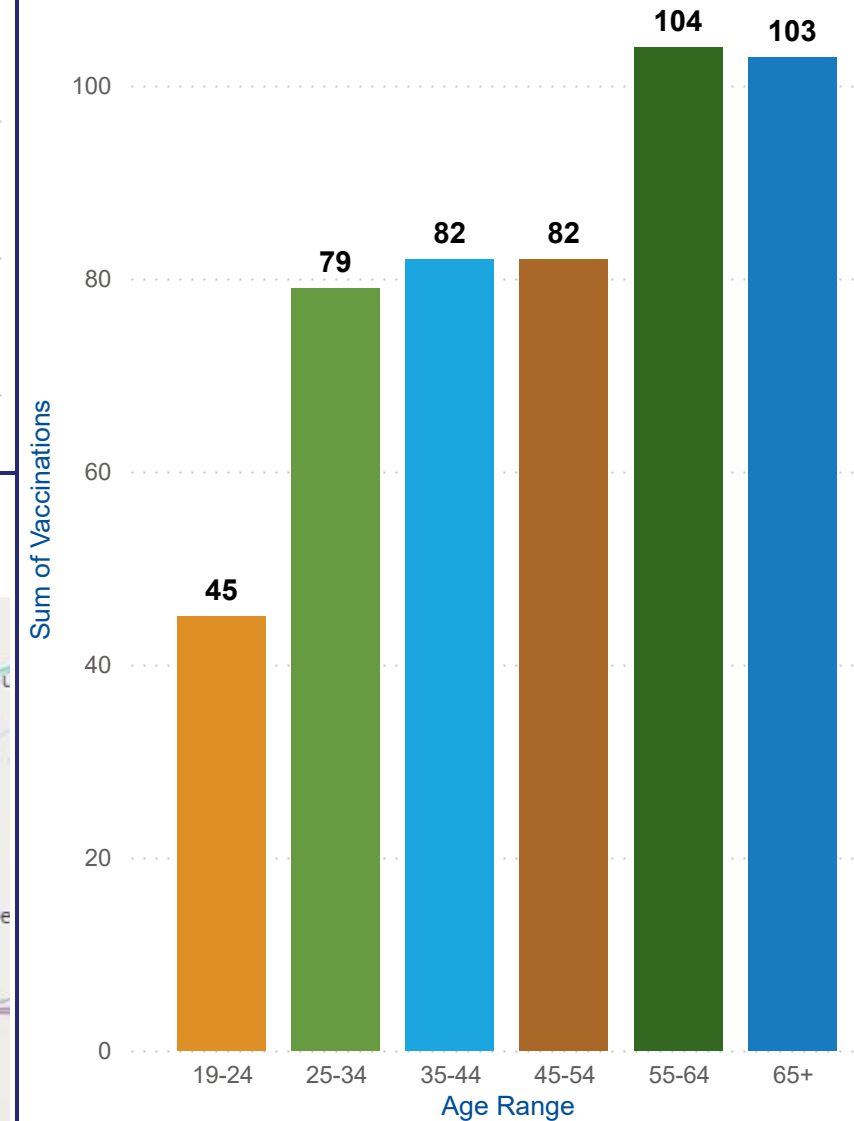
OKLAHOMA
State Department of Health

District

Sum of Vaccinations by Sex



Sum of Vaccinations by Age Range



Oklahoma Flu Vaccinations Administered in Flu Season 2022-2023 for Adults Ages 19+

778,286

Flu Vaccinations Administered May 2023 for Adults Ages 19+

495

District	Sum of Vaccinations
OCCHD	495
Total	495

Sum of Vaccinations by County and District



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