State of Missouri COVID-19 Response Vaccine Distribution Analysis

September 08, 2021
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This document includes COVID-19 data and analytics for the State of Missouri in support of their vaccine distribution process

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Executive Summary

VACCINE UPTAKE TRENDS

- Regions A, C and E have experienced the highest increase of COVID-19 case rates for the past 3 weeks
- Case rate hotspots persisted from last week in the core of Kansas City (11 within I-435) and St. Louis (4 inside I-270)
- The surge in cases in Wentzville and St. Peters (outside St. Louis) has persisted for 3 weeks running
- 33% of statewide case rate hotspots are either inside or within 35 miles of Region E

- Vaccine initiations fell for the 4th straight week – slight decrease in the 18+ group (-6%) and a dramatic decrease in the 12-17 population (-44%)
- Regions A, C, E, & F contained the largest percentage (86%) of vaccine uptake hotspots – mainly around St. Louis, Kansas City, Columbia/Jefferson City, and Cape Girardeau

REGION C DEEP DIVE

- Region C is the 2nd highest vaccinated region, but its share of weekly 18+ vaccinations has decreased over the last several months
- 10 Census Tracts of focus were identified based on case rate, COVID-19 vulnerability, and vaccination rates – all within northern areas of St. Louis City and St. Louis County

Note: Data on vaccinations include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, are based on residence of the 18+ individual vaccinated (unless otherwise stated), and are from 9/2/21 – provided by the State of Missouri. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/20/21 and 9/01/21 – provided by the State of Missouri. Methodology, data sources, and limitations are available in the Appendix.
13-Day* COVID-19 Case Rate Hotspots at the Census Tract Level

For the time period between 8/20/21 and 9/1/21, the change in COVID-19 case rate (per 100,000) is displayed on the left and case rate hotspots (areas with statistically significant changes in case rates in comparison to surrounding areas) are displayed on the right.

Regions A, C and E have experienced the highest increase of COVID-19 case rates and have the highest number of case rate hotspots.

27 of 82 (33%) Statewide case rate hotspots are either contained or within 35 miles of Region E (Farmington/Park Hills).

Case rate hotspots have continued to increase in Region E – with 86% (12 of 14 hotspots) in close proximity to I-55 and US-60 for the past two weeks.

*Change in case burden is typically provided as 14-day delta but due to timing of data receipt, updated to 13-day for this week.
For the time period between 8/20/21 and 9/1/21, case rate hotspots (areas with statistically significant changes in case rates in comparison to surrounding areas) are displayed on the left for Kansas City and on the right for St. Louis.

**13-Day Case Rate Hotspots**
**Kansas City Metro - 09/01/21**

**13-Day Case Rate Hotspots**
**St. Louis Metro - 09/01/21**

**Case rate hotspots** persisted in the core of **Kansas City** (11 within I-435) and **St Louis** (4 inside I-270), on par with last week.

The surge in cases in **Wentzville** and **St. Peters** (outside St. Louis) has persisted for 3 weeks running.

In **Kansas City**, 8 of 11 case rate hotspots are within the vulnerable section of the SE I-435 corridor (according to the COVID-19 Vulnerability Index), down from last week.

**Note**: Data normalized by population (per 100,000 residents) per Census Tract. COVID-19 case rate data provided by the State of Missouri as of 9/2/21. Previous 2-week change view provided in the Appendix, along with the number of hotspots per region, and the methodology, data sources, and limitations. *Change in case burden is typically provided as 14-day delta but due to timing of data receipt, updated to 13-day for this week.*
Darker shades in the map on the left indicate Census Tracts with larger vaccination gaps, with regional drill downs for Kansas City and St. Louis provided on the right.

Areas with the **largest vaccination gaps** continue to align with the **more populated areas** across Missouri – typically surrounding urban areas.

**Vaccination Gap Quintiles (#)**

- 0 – 920
- 924 – 1,351
- 1,353 – 1,834
- 1,836 – 2,417
- 2,420 – 6,370

**Note:** Data on vaccinations include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, are based on residence of the 18+ individual vaccinated (unless otherwise stated) and are from 9/2/2021. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.
Darker shades on the map on the left indicate Census Tracts with higher percentages of residents who have initiated vaccination – with regional drill downs for Kansas City and St. Louis labeled to the right.

**PERCENT WITH 1 DOSE (%)**

- **Vaccinated Categories (%)**
  - 0.0% - 29.9%
  - 30.0% - 39.9%
  - 40.0% - 49.9%
  - 50.0% - 69.9%
  - 70.0%+ (Highest)

Census Tracts with the **lowest percent vaccinated** are concentrated in more **rural areas** in Regions B, D, I, & G.

**4.7% (188K)**

**Est. Amount of 18+ Population that has Received Dose 1 but not Dose 2**

**Note:** Data on vaccinations include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, are based on residence of the 18+ individual vaccinated (unless otherwise stated) and are from 9/2/2021. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.
Darker shades on the map on the left indicate counties with larger vaccination gaps with regional drill downs for Kansas City and St. Louis labeled to the right.

Similar trends persist for the 12-17 as with the 18+ population – more populated/urban areas have the largest number of unvaccinated.

Region C continues to have the largest vaccination gap (90,175) for the 12-17 population.

Note: Data on vaccinated individuals are based on 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on the residence of the individual vaccinated, and as of 8/26/2021. All vaccinations tagged to the “<18” age group were assumed to be between ages 12-17. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.
Darker shades on the map on the left indicate counties with higher percentages of residents who have initiated vaccination – with regional drill downs for Kansas City and St. Louis labeled to the right.

**PERCENT WITH 1 DOSE (%)**

- **Vaccinated Categories (%):**
  - 0.0% - 29.9%
  - 30.0% - 39.9%
  - 40.0% - 49.9%
  - 50.0% - 69.9%
  - 70.0%+ (Highest)

## The 12-17 cohort continues to lag behind 18+ – Region C has the highest percent vaccinated for this group (49% compared to 59% for 18+), while Region G has the lowest (16% compared to 43% for 18+)

Urban areas tend to have **higher rates of vaccine uptake**, although the stark divide is more apparent in the 12-17 cohort than 18+

### Note:
Data on vaccinated individuals are based on 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on the residence of the individual vaccinated, and as of 8/26/2021. All vaccinations tagged to the “<18” age group were assumed to be between ages 12-17. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.
Vaccine initiations fell for the 4th straight week with a slight decrease in the 18+ group (-6%) and a dramatic decrease in the 12-17 population (-44%).

There continues to be greater variation in vaccination for the 12-17 population with three Regions (G, B, and E) less than half the state average.

Note: All weeks are calendar weeks, defined by SMV using MMWR week, where Week 34 is 8/22 – 8/28. Data on vaccinations include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, are based on residence of the 18+ individual vaccinated, and are from 9/2/2021. J&J vaccinations are coded as both dose 1 and dose 2. Methodology, data sources, and limitations are available in the Appendix.
The visualization below displays weekly vaccination rates at the regional level. Week 34 (8/22 – 8/28) is the most recent complete week.

### 12-Week Additional Percent of 18+ Population Vaccinated by Region

- Vaccinations increased in early July a few weeks after cases surged in Missouri, largely due to the delta variant.
- Since the peak in vaccine initiations during Weeks 29-30, weekly vaccinations have decreased ~38% (from 51.1k to 31.6k).

**Note:** All weeks are calendar weeks, defined by SMW using MMWR week, where Week 34 is 8/22 – 8/28. Data on vaccinations include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, are based on residence of the 18+ individual vaccinated, and are from 9/2/2021. J&J vaccinations are coded as both dose 1 and dose 2. Methodology, data sources, and limitations are available in the Appendix.
Vaccination uptake hotspots for 08/27 - 09/02 are displayed below in red. These vaccine uptake hotspots represent the communities that far exceeded the State average for the dates indicated.

Regions A, C, E, & F contain the largest percentage (86%) of vaccine uptake hotspots throughout the State – mainly in the Census Tracts in proximity to St. Louis, Kansas City, Columbia/Jefferson City, and Cape Girardeau.


Note: Data on vaccinated individuals is based on 1st round Moderna & Pfizer vaccinations and J&J vaccinations, includes all ages, and indicates the residence of the individual vaccinated, and is as of 9/2/21. Methodology, data sources, and limitations are available in the Appendix.
Vaccination uptake deserts are displayed in shades of blue from 8/27 - 9/02, indicating Census Tracts where the weekly vaccine uptake is significantly lower than State and/or regional averages – a more sensitive test of differences in community-level uptake in comparison to the hotspot analysis.

How to interpret these maps:
- **High Vaccine Uptake**: Statistically significant clusters of high statewide initiation rates
- **High Regional Uptake**: Statistical outlier – high initiation rates surrounded by low
- **Low Vaccine Uptake/Uptake Desert**: Clusters of statistically low statewide initiation rates
- **Low Regional Uptake**: Statistical outlier – low initiation rates surrounded by high

Majority of vaccine uptake deserts (by area) exist in Regions B and H; majority of vaccine uptake deserts (by population) are in urban clusters (Kansas City, Springfield and St. Louis).

Suburban and commuting regions surrounding Kansas City, Columbia/Jefferson City, and St. Louis remained leaders in vaccine initiation.

Regional and statewide highs in vaccine initiations in Regions D and E are in locations with large vaccine gaps.
To support comparison between Regions and a deeper understanding of analyses throughout this report, the table below provides information on COVID-19 cases, cumulative vaccine uptake across age groups, and recent vaccine uptake trends at the regional level.

### Regional COVID-19 case data to supplement slides 4-5

<table>
<thead>
<tr>
<th>Region</th>
<th>Cumulative COVID-19 Case Burden (# per 100k)*</th>
<th>13-Day Change in COVID-19 Case Burden (%)*</th>
<th>COVID-19 Case Rate Hotspots (#)</th>
<th>18+ Cumulative Vax (%)</th>
<th>18+ Vax Previous Week (%)</th>
<th>12-17 Cumulative Vax (%)</th>
<th>12-17 Vax Previous Week (%)</th>
<th>Vaccine Uptake Deserts (#)</th>
<th>Vaccine Uptake Hotspots (#)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>10,249</td>
<td>1.91%</td>
<td>26</td>
<td>53.1%</td>
<td>0.7%</td>
<td>43.1%</td>
<td>1.1%</td>
<td>56</td>
<td>21</td>
</tr>
<tr>
<td>B</td>
<td>9,355</td>
<td>1.27%</td>
<td>1</td>
<td>44.0%</td>
<td>0.5%</td>
<td>16.7%</td>
<td>0.8%</td>
<td>39</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>9,769</td>
<td>1.62%</td>
<td>21</td>
<td>59.1%</td>
<td>0.6%</td>
<td><strong>49.0%</strong></td>
<td>1.0%</td>
<td><strong>251</strong></td>
<td>25</td>
</tr>
<tr>
<td>D</td>
<td>11,127</td>
<td>1.10%</td>
<td>4</td>
<td>49.7%</td>
<td>0.6%</td>
<td>30.3%</td>
<td>0.8%</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>E</td>
<td>10,932</td>
<td>2.51%</td>
<td>18</td>
<td>46.9%</td>
<td>0.9%</td>
<td>19.0%</td>
<td>1.2%</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>F</td>
<td><strong>11,909</strong></td>
<td>1.51%</td>
<td>5</td>
<td><strong>59.7%</strong></td>
<td>0.7%</td>
<td>36.8%</td>
<td>1.2%</td>
<td>0</td>
<td>17</td>
</tr>
<tr>
<td>G</td>
<td>9,109</td>
<td>1.30%</td>
<td>2</td>
<td>42.8%</td>
<td>0.6%</td>
<td><strong>15.8%</strong></td>
<td>0.7%</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>H</td>
<td>10,246</td>
<td>1.41%</td>
<td>2</td>
<td>51.4%</td>
<td>0.6%</td>
<td>25.2%</td>
<td>0.9%</td>
<td>32</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>10,038</td>
<td>1.58%</td>
<td>3</td>
<td><strong>40.8%</strong></td>
<td>0.6%</td>
<td>22.4%</td>
<td>0.8%</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

*Both the cumulative COVID-19 Case Burden and Change in COVID-19 Case Burden were weighted averages using ACS total population. Change in case burden is typically provided as 14-day delta but due to timing of data receipt, updated to 13-day for this week. Note: Data on vaccinated individuals are based on 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on the residence of the individual (18+) vaccinated, and as of 9/2/21. COVID-19 case rate provided by the State of Missouri as of 9/2/21. Methodology, data sources, and limitations are available in the Appendix.

For internal use only by State of Missouri. Output based on available data.
Region C Deep-Dive

As presented on 9/2
Executive Summary

- **Over the past 4 weeks, case rates** have persistently **increased** in Region C - rapidly accelerating through 8/12-8/26, from comparatively low levels

- Case hotspots outside of St. Louis **emerge at central locations within counties** or at **transportation route junctions**, such as Farmington or Wentzville

- Region C is the 2nd highest vaccinated, but its share of weekly 18+ vaccinations has **decreased** over the last several months

- Vaccine uptake deserts cover **large portions of central St. Louis** – a ring of low uptake follows the **I-270 outer belt** and the outer reaches of **I-64 and I-70**

**REGIONAL & COUNTY TRENDS**

- 10 CTs of focus were identified based on COVID-19 case rate change, % vaccinated, and the COVID-19 Vulnerability Index (CVI) – all 10 are within the **northern areas of St. Louis City/St. Louis County**, and have populations that are **less than 50% vaccinated**

- **All 10 Census Tracts identified are in the top 100 statewide** of our COVID-19 Vulnerability Index (CVI)

- Within these Census Tracts, residents tend to be more **racially diverse and religious**, have **lower levels of income and educational attainment**, and are less likely to have **health insurance** than the average Missourian

**TARGET CENSUS TRACTS**

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**Note:** Data is provided by the State of Missouri and includes 1st round Moderna & Pfizer vaccinations and J&J vaccinations, are based on residence of the 18+ individual vaccinated (unless otherwise stated), and are from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.
COVID-19 Case Rate Spread Over Time

These visuals display the evolution of 14-day COVID-19 case rates over the past 4 full weeks (Aug 5th - Aug 26th) in Region C.

KEY OBSERVATIONS

- Over the past 4 weeks, case rates have persistently increased and spread across Region C – rapidly accelerating the week of 8/12 and persisting in weeks following.
- Initial spread followed major transportation routes (e.g. I-55, I-64, US 67, MO 100) and secondary spread expanded outward from those transportation routes.
- The high levels of disease spread across Region C is potentially extending to neighboring regions (e.g. Region E).

Note: Data normalized by population (per 100,000 residents) per Census Tract. COVID-19 case rate data provided by the State of Missouri as of 8/26/21. See Appendix for methodology, data sources, and limitations. *Week* corresponds with MMWR. Copyright © 2021 Deloitte Development LLC. All rights reserved. Deloitte Consulting LLP Trade Secret and Confidential.
COVID-19 Case Rate Hotspots at the Census Tract Level

The visual on the left depicts case rate hotspots – areas with statistically significant changes in case rates in comparison to surrounding areas – between 8/13-8/26

14-Day Case Rate Hotspots (8/13-8/26)

KEY OBSERVATIONS

- For the two-week period through August 26th, case rate hotspots in Region C followed transportation routes within and outside of St. Louis, specifically I-70
- Hotspots outside of St. Louis emerge at central locations within counties or at transportation route junctions, such as Farmington or Wentzville
- Recent patterns of case spread in St. Louis reflect a similar connection to transportation routes and activity centers across the State

Note: Data normalized by population (per 100,000 residents) per Census Tract. COVID-19 case rate data provided by the State of Missouri as of 08/26/21. See Appendix for methodology, data sources, and limitations.
The visual and table below depict percent vaccinated and vaccination gap across Region C

Region C Percent Vaccinated (%)

<table>
<thead>
<tr>
<th>Rank</th>
<th>Census Tract</th>
<th>County</th>
<th>Adult Population</th>
<th>% Vaccinated</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29189211500</td>
<td>St. Louis</td>
<td>3,097</td>
<td>33.58%</td>
</tr>
<tr>
<td>2</td>
<td>29189210200</td>
<td>St. Louis</td>
<td>4,234</td>
<td>33.80%</td>
</tr>
<tr>
<td>3</td>
<td>29189212102</td>
<td>St. Louis</td>
<td>2,286</td>
<td>34.73%</td>
</tr>
<tr>
<td>4</td>
<td>29221460500</td>
<td>Washington</td>
<td>3,288</td>
<td>34.91%</td>
</tr>
<tr>
<td>5</td>
<td>29189212101</td>
<td>St. Louis</td>
<td>3,295</td>
<td>36.48%</td>
</tr>
<tr>
<td>6</td>
<td>29221460100</td>
<td>Washington</td>
<td>5,486</td>
<td>36.66%</td>
</tr>
<tr>
<td>7</td>
<td>29510107500</td>
<td>St. Louis City</td>
<td>2,287</td>
<td>36.73%</td>
</tr>
<tr>
<td>8</td>
<td>29187950400</td>
<td>St. Francois</td>
<td>5,845</td>
<td>37.14%</td>
</tr>
<tr>
<td>9</td>
<td>29187950101</td>
<td>St. Francois</td>
<td>4,465</td>
<td>37.20%</td>
</tr>
<tr>
<td>10</td>
<td>29099700503</td>
<td>Jefferson</td>
<td>3,185</td>
<td>37.27%</td>
</tr>
</tbody>
</table>

Cumulative Vaccination Status

Key:
- Vaccinated (%) | 484 CTs
  - 0% - 29.9% | 80
  - 30% - 39.9% | 33
  - 40.0% - 49.9% | 32
  - 50.0% - 69.9% | 107
  - 70.0% - 99.9% | 232

Top 10 CTs by Vaccination Gap (#)

232 of 484 (48%) Census Tracts in Region C have over 70% of their populations vaccinated.

Nine of the top 10 Census Tracts with the highest number of remaining unvaccinated are outside of the most urban areas.

Note: Data provided by the State of Missouri and are based on 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on the residence of the individual vaccinated, and as of 8/26/2021. Methodology, data sources, and limitations are available in the Appendix.
Vaccine uptake deserts are shown in blue over a 4-week period, identifying Census Tracts where vaccine uptake for that time period was significantly lower than State average.

**Region C Share of Missouri’s 18+ Initiations**

![Graph showing Region C Share of Missouri’s 18+ Initiations]

**Vaccine Uptake Deserts Aug 5th - Aug 26th**

**St. Louis Metro**

**Legend**

- **High Vaccine Uptake**
  - Statistically significant clusters of high initiation rates in comparison to State average
- **High Regional Vaccine Uptake**
  - Statistical outlier – high initiation rates surrounded by low
- **Low Regional Vaccine Uptake**
  - Statistical outlier – low initiation rates surrounded by high
- **Low Vaccine Uptake/Uptake Desert**
  - Clusters of statistically low initiation rates in comparison to State average

- **Vaccine Uptake Desert Analysis - 4 weeks (8/26)**
  - State Average
  - High vaccine uptake
  - High Regional Uptake
  - Low Regional Uptake
  - Low Vaccine Uptake

**How to interpret these maps:**

- High Vaccine Uptake
- High Regional Vaccine Uptake
- Low Regional Vaccine Uptake
- Low Vaccine Uptake/Uptake Desert

**Region C** is the 2nd highest vaccinated in the State, but its share of weekly 18+ vaccinations has decreased over the last several months.

Vaccine uptake deserts cover large portions of central St. Louis – a ring of low uptake follows the I-270 outer belt and the outer reaches of I-64 and I-70.

**Northern and central communities** connected to St. Louis via highway have shown higher vaccine uptake, potentially reinforcing an urban-suburban disconnect in uptake.

**Notes:**

- Vaccine uptake desert analyses employ Local Moran’s I test for spatial autocorrelation. Data provided by the State of Missouri on 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the individual vaccinated (all ages), and from 8/26/2021. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.

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Target Census Tracts

Potential Areas to Focus Outreach Initiatives
Potential Target Census Tracts in Region C

The map below highlights Census Tracts that could be targeted for outreach within Region C.

To identify target tracts in Region C, we analyzed relationships between:

1. 14-Day COVID-19 case rate burden/change
2. Percent of population vaccinated
3. Ranking based on the COVID-19 Vulnerability Index (CVI)*

Using the above methodology, below are the top 10 Census Tracts, which are discussed further in the following slides:

<table>
<thead>
<tr>
<th>Rank</th>
<th>Census Tract</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>29189212102</td>
<td>St. Louis County</td>
</tr>
<tr>
<td>2</td>
<td>29189212101</td>
<td>St. Louis County</td>
</tr>
<tr>
<td>3</td>
<td>29510107400</td>
<td>St. Louis City</td>
</tr>
<tr>
<td>4</td>
<td>29189213800</td>
<td>St. Louis County</td>
</tr>
<tr>
<td>5</td>
<td>29510107200</td>
<td>St. Louis City</td>
</tr>
<tr>
<td>6</td>
<td>29189210502</td>
<td>St. Louis County</td>
</tr>
<tr>
<td>7</td>
<td>29510106100</td>
<td>St. Louis City</td>
</tr>
<tr>
<td>8</td>
<td>29189210300</td>
<td>St. Louis County</td>
</tr>
<tr>
<td>9</td>
<td>29189212002</td>
<td>St. Louis County</td>
</tr>
<tr>
<td>10</td>
<td>29189211500</td>
<td>St. Louis County</td>
</tr>
</tbody>
</table>

Note: Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.

*CVI includes percent below 138% FPL, 1+ comorbidity, minority, cumulative case rate, and percent unvaccinated.
How to Take Action with this Data

Demographic and behavioral characteristics of each area, coupled with local points of interest (POIs), can enable understanding of local nuances to conduct more targeted outreach in a given community.

What are the key characteristics of this population?

✓ Review COVID-19 metrics
✓ Develop a deeper understanding of the Census Tract’s demographic traits, values/preferences, needs, and potential barriers to access

Where are optimal locations to conduct outreach?

✓ Pinpoint areas of high and low density for both vulnerable populations and sample Points of Interest
✓ Identify potential partners based on insights from the key characteristics and the Points of Interest list
How to Take Action with this Data

The following intend to leverage local knowledge in combination with the local characteristics and POIs to enable targeted interventions that boost vaccine uptake.

**What are general considerations for outreach?**

**PREPARATION**

**Understand the population.**
Make space for open dialogue to grasp local concerns. When possible, supplement quantitative data about the community with personal stories via listening sessions/focus groups – ideally including local leaders.

**Co-create solutions.**
Collaborate with target communities to build action plans for their neighborhoods, highlighting the community's involvement – potentially resulting in higher buy-in and more tailored solutions.

**Involve trusted messengers.**
Use local expertise and key population characteristics to identify and involve community leaders, to build trust and get involved in outreach.

**MESSAGING**

**Address concerns.**
Work through fears and anxieties with empathy, providing factual information and being transparent on unknowns. Listening and acknowledging concerns can be especially effective when coming from the right trusted messenger.

**Keep it simple.**
Create materials that are easy to understand/culturally inclusive yet informative, especially for low literacy populations. Consider infographics with images and icons to convey the most important information.

**Highlight personal stories.**
Leveraging the power of narrative over statistics, share stories about people similar to the target community who have been vaccinated, highlighting how they overcame their concerns/barriers and how it has benefited them.

**TAKING ACTION**

**Remove barriers.**
Meet people where they are – mobile clinics at homes, schools, and places of work with weekend/evening hours. Encourage local employers to offer paid time off and/or childcare to get the shot. Consider offering vaccination along with other routine care or social services.

**Make specific plans.**
For people who intend to be vaccinated but haven't, breaking down the goal can help. Support taking concrete steps like booking an appointment and ask for barriers they might encounter (e.g., transportation) and work through solutions.
This tract at a glance:

<table>
<thead>
<tr>
<th>Age Distribution</th>
<th>Race Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Black or African</td>
</tr>
<tr>
<td>18-34</td>
<td>American</td>
</tr>
<tr>
<td></td>
<td>White</td>
</tr>
<tr>
<td></td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td>Hispanic or</td>
</tr>
<tr>
<td></td>
<td>Latine</td>
</tr>
</tbody>
</table>

**VALUES & PREFERENCES**

- **41%** seek out primary care providers **compared to 80% statewide**
- **58%** seek out hospitals, ERs, and/or urgent care clinics **compared to 5% statewide**
- **1%** use community and/or retail health clinics **compared to 13% statewide**

**ACCESS FACTORS**

- **Income Below $30K**
  - 77%
- **Lacking Broadband**
  - 16%
- **Uninsured**
  - 22%
- **Disability**
  - 16%

**COVID-19 METRICS**

- **34.73%** Percent Vaccinated
- **14%** 14-Day Change in Case Rate

**Note:** Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin of error associated with them.

**Key**

- Census Tract
- State Average

**Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin of error associated with them.**
Census Tract: 29189212102
ST. LOUIS COUNTY

POINTS OF INTEREST
Sites for Outreach & Vaccination Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country Club Hills Police Department</td>
<td>Police / fire</td>
<td>7422 Eunice Ave</td>
</tr>
<tr>
<td>Kim Nails</td>
<td>Barber / salon</td>
<td>7224 West Florissant Ave</td>
</tr>
</tbody>
</table>

Legend
- **Point of Interest (POI)**
- **Vulnerable Population**
  (Low to high density)
  <$30k income and/or 1+ comorbidities and/or racial/ethnic minority
Target Census Tract #2 | Key Characteristics

This tract at a glance:

VALUES & PREFERENCES
- 43% seek out primary care providers compared to 80% statewide
- 56% seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide
- 1% use community and/or retail health clinics compared to 13% statewide

ACCESS FACTORS
- Income Below $30K: 82%
- Lacking Broadband: 25%
- Labor Force & Unemployment: 70% participate compared to 63% statewide
- Disability: 15%

Note: Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin-of-error associated with them.

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Census Tract: 29189212101

S T. L O U I S  C O U N T Y

POINTS OF INTEREST
Sites for Outreach & Vaccination Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Church Calvary West Missionary Baptist</td>
<td>Worship</td>
<td>5733 Hodiamont Ave</td>
</tr>
<tr>
<td>Dab's Beauty Salon</td>
<td>Barber / salon</td>
<td>7030 West Florissant Ave</td>
</tr>
<tr>
<td>Ecclesia of Christ</td>
<td>Worship</td>
<td>6349 Lalite Ave</td>
</tr>
<tr>
<td>Head Turners Hair &amp; Nail Designs</td>
<td>Barber / salon</td>
<td>6342 Lucille Ave</td>
</tr>
<tr>
<td>Kingdom Studio Salon</td>
<td>Barber / salon</td>
<td>7123 West Florissant Ave</td>
</tr>
<tr>
<td>Lively Hope Church of God</td>
<td>Worship</td>
<td>6518 West Florissant Ave</td>
</tr>
<tr>
<td>Metropolitan Missionary Baptist Church of Jennings</td>
<td>Worship</td>
<td>5300 Helen Ave</td>
</tr>
<tr>
<td>Monument of Faith Church of God In Christ</td>
<td>Worship</td>
<td>5400 Janet Ave</td>
</tr>
<tr>
<td>Pam's Hair Design</td>
<td>Barber / salon</td>
<td>7032 West Florissant Ave</td>
</tr>
<tr>
<td>Word of Faith Foursquare Church</td>
<td>Worship</td>
<td>6923 West Florissant Ave</td>
</tr>
</tbody>
</table>

Legend

- **Point of Interest (POI)**
- **Vulnerable Population**
  - (Low to high density)
  - <$30k income and/or 1+ comorbidities and/or racial/ethnic minority
St. Louis City, MO
29510107400

This tract at a glance:

VALUES & PREFERENCES
- 41% seek out primary care providers compared to 80% statewide
- 58% seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide
- 1% use community and/or retail health clinics compared to 13% statewide

ACCESS FACTORS

COVID-19 METRICS
- 38.53% Percent Vaccinated
- 10% 14-Day Change in Case Rate

1,345 # Unvaccinated
7,493 per 100k Cumulative COVID-19 Case Burden

Note: Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin-of-error associated with them.

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## Points of Interest

**Census Tract: 29510107400**

**St. Louis City**

### Points of Interest

**Name** | **Type** | **Address**
--- | --- | ---
Aspire Academy | Schools | 5421 Thekla Avenue
Bishop Larry Henderson Ministries | Worship | 5001 Emerson Ave
New Star Missionary Baptist Church | Worship | 5201 Thrush Ave
Northway Supermarket | Grocery | 5590 W Florissant Ave
Walbridge Elem. Community Ed. | Schools | 5000 Davison Avenue

---

**Legend**

- **Point of Interest (POI)**
- **Vulnerable Population**
  - (Low to high density)
- <$30k income and/or 1+ comorbidities and/or racial/ethnic minority

For internal use only by State of Missouri. Output based on available data.
This tract at a glance:

VALUES & PREFERENCES

48% seek out primary care providers compared to 80% statewide

51% seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide

1% use community and/or retail health clinics compared to 13% statewide

ACCESS FACTORS

Income Below $30K

71%

25%

Lacking Broadband

26%

15%

Net Worth <= $0

55%

27%

Labor Force & Unemployment

58% participate compared to 63% statewide

12% unemployed compared to 5% statewide

Disability

17%

14%

Note: Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin-of-error associated with them.
**Target Census Tract #4 | Vulnerable Population and Points of Interest**

**Census Tract: 29189213800  
S.T. LOUIS COUNTY**

---

**POINTS OF INTEREST**

Sites for Outreach & Vaccination Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beverly Hills Pharmacy</td>
<td>Pharmacy</td>
<td>7150 Natural Bridge</td>
</tr>
<tr>
<td>Hair Commanders</td>
<td>Barber / salon</td>
<td>7118 Natural Bridge Rd</td>
</tr>
<tr>
<td>Hillsdale Police Department</td>
<td>Police / fire</td>
<td>6614 Jesse Jackson Ave</td>
</tr>
<tr>
<td>Krispy Krunchy Chicken</td>
<td>Restaurant</td>
<td>6150 Natural Bridge Ave</td>
</tr>
<tr>
<td>Solid Rock Church</td>
<td>Worship</td>
<td>6400 Saint Louis Ave</td>
</tr>
<tr>
<td>Tnt</td>
<td>Grocery</td>
<td>6711 Saint Louis Ave</td>
</tr>
</tbody>
</table>

---

**Legend**

- **Point of Interest (POI)**
- **Vulnerable Population**  
  (Low to high density)
- <$30k income and/or 1+ comorbidities and/or racial/ethnic minority
Target Census Tract #5 | Key Characteristics

This tract at a glance:

VALUES & PREFERENCES

- 38% seek out primary care providers compared to 80% statewide
- 62% seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide
- 0% use community and/or retail health clinics compared to 13% statewide

ACCESS FACTORS

- Income Below $30K: 86%
- Lacking Broadband: 36%
- Labor Force & Unemployment: 61% participate compared to 63% statewide
- Net Worth <= $0: 69%
- Uninsured: 20%
- Disability: 30%
- 14%

COVID-19 METRICS

- 41.46% Percent Vaccinated
- 15% 14-Day Change in Case Rate
- 576.0 # Unvaccinated
- 7,155 per 100k Cumulative COVID-19 Case Burden

Note: Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin-of-error associated with them.
## Points of Interest

Sites for Outreach & Vaccination Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Celestial Temple of Peace Church</td>
<td>Worship</td>
<td>5501 Oriole Ave</td>
</tr>
<tr>
<td>El Bethel Baptist Church</td>
<td>Worship</td>
<td>5401 Gilmore Ave</td>
</tr>
<tr>
<td>Greater Calvary Missionary Baptist Church</td>
<td>Worship</td>
<td>5202 Riverview Blvd</td>
</tr>
<tr>
<td>Greater St Paul Missionary Baptist Church</td>
<td>Worship</td>
<td>5503 Gilmore Ave</td>
</tr>
<tr>
<td>Saint Louis Fire Department Station 27</td>
<td>Police / fire</td>
<td>5435 Partridge Ave</td>
</tr>
<tr>
<td>St Matthew Lutheran Church Mo Synod</td>
<td>Worship</td>
<td>5403 Wren Ave</td>
</tr>
<tr>
<td>Transportation and Law</td>
<td>Schools</td>
<td>5140 Riverview Blvd</td>
</tr>
</tbody>
</table>

### Legend

- **Point of Interest (POI)**
- **Vulnerable Population** (Low to high density)
  - <$30k income and/or 1+ comorbidities and/or racial/ethnic minority
Target Census Tract #6 | Key Characteristics

This tract at a glance:

VALUES & PREFERENCES
- **48%** seek out primary care providers compared to 80% statewide
- **51%** seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide
- **1%** use community and/or retail health clinics compared to 13% statewide

ACCESS FACTORS
- **Income Below $30K**
  - **25%**
  - **66%**
- **Lacking Broadband**
  - **17%**
  - **15%**
- **Net Worth <= $0**
  - **27%**
  - **54%**
- **Uninsured**
  - **23%**
  - **14%**
- **Labor Force & Unemployment**
  - **62%** participate compared to 63% statewide
  - **7%** unemployed compared to 5% statewide
- **Disability**
  - **18%**
  - **14%**

**COVID-19 METRICS**
- **43.23%** Percent Vaccinated
- **4%** 14-Day Change in Case Rate
- **1,816** # Unvaccinated
- **13,375** per 100k Cumulative COVID-19 Case Burden

**KEY**
- **Census Tract**
- **State Average**

**Note:** Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin-of-error associated with them.
**Target Census Tract #6 | Vulnerable Population and Points of Interest**

Census Tract: 29189210502  
ST. LOUIS COUNTY

![Map of Census Tract 29189210502 with points of interest marked]

**POINTS OF INTEREST**
Sites for Outreach & Vaccination Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Access Barbershop</td>
<td>Barber / salon</td>
<td>9989 Lewis and Clark Blvd</td>
</tr>
<tr>
<td>Believers Chapel Bible Church</td>
<td>Worship</td>
<td>10340 Halls Ferry Rd</td>
</tr>
<tr>
<td>Dwight McDaniels Ministerial Center</td>
<td>Worship</td>
<td>10212 Halls Ferry Rd</td>
</tr>
<tr>
<td>Meadows Elem.</td>
<td>Schools</td>
<td>9801 Edgefield</td>
</tr>
<tr>
<td>Moline Acres Police Department Moline Acres Missouri</td>
<td>Police / fire</td>
<td>2449 Chambers Rd</td>
</tr>
<tr>
<td>Saint Louis County Library, Lewis &amp; Clark Branch</td>
<td>Library</td>
<td>9909 Lewis and Clark Blvd, Saint Louis, Missouri, 63136</td>
</tr>
<tr>
<td>The Temple Non Denominational Church</td>
<td>Worship</td>
<td>10112 Royal Dr</td>
</tr>
<tr>
<td>Touba Professional African Hair Braiding</td>
<td>Barber / salon</td>
<td>9922 Halls Ferry Rd</td>
</tr>
<tr>
<td>Walgreens #05047</td>
<td>Pharmacy</td>
<td>2202 Chambers Rd</td>
</tr>
<tr>
<td>Word Christian Fellowship</td>
<td>Worship</td>
<td>9930 Halls Ferry Rd</td>
</tr>
</tbody>
</table>

**Legend**

- Point of Interest (POI)
- Vulnerable Population (Low to high density)
  - <$30k income and/or 1+ comorbidities and/or racial/ethnic minority

---

For internal use only by State of Missouri. Output based on available data.
Census Tract Statistics

**Values & Preferences**
- 45% seek out primary care providers compared to 80% statewide
- 54% seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide
- 0% use community and/or retail health clinics compared to 13% statewide

**Access Factors**
- Income Below $30K: 84%
- Lacking Broadband: 47%
- Net Worth <= $0: 65%
- Uninsured: 25%
- Disability: 27%

**COVID-19 Metrics**
- 43.43% Percent Vaccinated
- 7% 14-Day Change in Case Rate
- 878.0 # Unvaccinated
- 8,996 per 100k Cumulative COVID-19 Case Burden

**Note:** Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin-of-error associated with them.
Target Census Tract #7 | Vulnerable Population and Points of Interest

Census Tract: 29510106100

S T. L O U I S C I T Y

POINTS OF INTEREST
Sites for Outreach & Vaccination Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bostick Temple Church of God In Christ</td>
<td>Worship</td>
<td>1448 Hodiamont Ave</td>
</tr>
<tr>
<td>Emmanuel M B Church</td>
<td>Worship</td>
<td>1385 Goodfellow Blvd</td>
</tr>
<tr>
<td>Faith Deliverance Church</td>
<td>Worship</td>
<td>1455 Hodiamont Ave</td>
</tr>
<tr>
<td>Friendly Temple M B Church</td>
<td>Worship</td>
<td>5544 Dr Martin Luther King Dr</td>
</tr>
<tr>
<td>Jerusalem M B Church</td>
<td>Worship</td>
<td>5596 Ridge Ave</td>
</tr>
<tr>
<td>Krispy Krunchy Chicken</td>
<td>Restaurant</td>
<td>5588 Dr Martin Luther King Dr</td>
</tr>
<tr>
<td>Saint Louis Fire Department Station 13</td>
<td>Police / fire</td>
<td>1400 Shawmut Pl</td>
</tr>
<tr>
<td>Sandwich Depot</td>
<td>Restaurant</td>
<td>5753 Page Blvd</td>
</tr>
<tr>
<td>St Augustine Church</td>
<td>Worship</td>
<td>1371 Hamilton Ave</td>
</tr>
<tr>
<td>Tabernacle Memorial Church of God In Christ</td>
<td>Worship</td>
<td>1475 Hamilton Ave</td>
</tr>
<tr>
<td>YMCA</td>
<td>Neighborhood / community</td>
<td>5555 Page Blvd</td>
</tr>
</tbody>
</table>

Legend

- **Point of Interest (POI)**
- **Vulnerable Population**
  - (Low to high density)
  - <$30k income and/or 1+ comorbidities and/or racial/ethnic minority
Target Census Tract #8 | Key Characteristics

This tract at a glance:

VALUES & PREFERENCES
- 52% seek out primary care providers compared to 80% statewide
- 47% seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide
- 1% use community and/or retail health clinics compared to 13% statewide

ACCESS FACTORS
- Income Below $30K: 64%
- Lacking Broadband: 16%
- Labor Force & Unemployment: 72% participate compared to 63% statewide
- Net Worth <= $0: 61%
- Uninsured: 20%
- Disability: 23%
- 1,445 # Unvaccinated
- 14,936 per 100k
- Census Tract
- State Average

COVID-19 METRICS
- 43.84% Percent Vaccinated
- 6% 14-Day Change in Case Rate

Note: Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file. All census tract statistics have a margin-of-error associated with them.
Target Census Tract #8 | Vulnerable Population and Points of Interest

Census Tract: 29189210300
ST. LOUIS COUNTY

POINTS OF INTEREST
Sites for Outreach & Vaccination Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Nations Christian Church</td>
<td>Worship</td>
<td>10047 Jeffrey Dr</td>
</tr>
<tr>
<td>Berea Lutheran Church</td>
<td>Worship</td>
<td>9915 Diamond Dr</td>
</tr>
<tr>
<td>Diamond Drive Deli</td>
<td>Grocery</td>
<td>9939 Diamond Dr</td>
</tr>
<tr>
<td>Greater Faith Temple Worship Center</td>
<td>Worship</td>
<td>10057 Sheldon Dr</td>
</tr>
<tr>
<td>Han D Mart</td>
<td>Grocery</td>
<td>163 Chambers Rd</td>
</tr>
<tr>
<td>Jesus Is All Ministries</td>
<td>Worship</td>
<td>111 Sheldon Rd</td>
</tr>
<tr>
<td>Krispy Krunchy Chicken</td>
<td>Restaurant</td>
<td>352 Chambers Rd</td>
</tr>
<tr>
<td>Pavilion of Praise Christian Church</td>
<td>Worship</td>
<td>526 Chambers Rd</td>
</tr>
<tr>
<td>Riverview Fire Protection District Station 1</td>
<td>Police / fire</td>
<td>9933 Diamond Dr</td>
</tr>
<tr>
<td>Shear Perfection</td>
<td>Barber / salon</td>
<td>9863 Diamond Dr</td>
</tr>
</tbody>
</table>

Legend

- **Point of Interest (POI)**
- **Vulnerable Population** (Low to high density)
- <$30k income and/or 1+ comorbidities and/or racial/ethnic minority
Target Census Tract #9 | Key Characteristics

This tract at a glance:

VALUES & PREFERENCES

- 37% seek out primary care providers compared to 80% statewide
- 63% seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide
- 0% use community and/or retail health clinics compared to 13% statewide

ACCESS FACTORS

- Income Below $30K: 25%
- Lacking Broadband: 19%
- Labor Force & Unemployment: 64% participate compared to 63% statewide
- Disability: 16%
- Net Worth <= $0: 27%
- Uninsured: 26%

COVID-19 METRICS

- 47.27% Percent Vaccinated
- 6% 14-Day Change in Case Rate
- 1,158 Unvaccinated
- 21,357 per 100k Cumulative COVID-19 Case Burden

Note: Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.

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Census Tract: 29189212002
ST. LOUIS COUNTY

Points of Interest
Sites for Outreach & Vaccination Events

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALDI</td>
<td>Grocery</td>
<td>8445 Lucas and Hunt Rd</td>
</tr>
<tr>
<td>Christ Community United Methodist Church</td>
<td>Worship</td>
<td>8841 Lucas and Hunt Rd</td>
</tr>
<tr>
<td>Coleman Wright CME Church</td>
<td>Worship</td>
<td>9777 Halls Ferry Rd</td>
</tr>
<tr>
<td>CVS/pharmacy #18031</td>
<td>Pharmacy</td>
<td>8037 West Florissant Ave</td>
</tr>
<tr>
<td>Long Nails</td>
<td>Barber / salon</td>
<td>8005 West Florissant Ave Ste K</td>
</tr>
<tr>
<td>Nail Trap</td>
<td>Barber / salon</td>
<td>9108 West Florissant Ave</td>
</tr>
<tr>
<td>Schnucks</td>
<td>Grocery</td>
<td>8037 West Florissant Ave</td>
</tr>
<tr>
<td>Young Womens Christian</td>
<td>Worship</td>
<td>2650 Lordan Dr</td>
</tr>
</tbody>
</table>

Legend

- Point of Interest (POI)
- Vulnerable Population
  (Low to high density)
  <$30k income and/or 1+ comorbidities and/or racial/ethnic minority

For internal use only by State of Missouri. Output based on available data.
This tract at a glance:

VALUES & PREFERENCES

- 47% seek out primary care providers compared to 80% statewide
- 52% seek out hospitals, ERs, and/or urgent care clinics compared to 5% statewide
- 1% use community and/or retail health clinics compared to 13% statewide

ACCESS FACTORS

- Income Below $30K: 70%
- Lacking Broadband: 14%
- Labor Force & Unemployment: 74% participate compared to 63% statewide
- Net Worth <= $0: 60%
- Uninsured: 19%
- Disability: 12%
- 2,057 # Unvaccinated
- 8,572 per 100k Cumulative COVID-19 Case Burden

Note: Data are provided by the State of Missouri and include 1st round Moderna & Pfizer vaccinations and J&J vaccinations, based on residence of the 18+ individual vaccinated (unless otherwise stated), and from 8/26/21. COVID-19 case rate data is a change analysis of rates (cases per 100k) using data from 8/13/21 to 8/26/21. Methodology, data sources, and limitations are available in the Appendix. Full data set provided in corresponding Excel file.
Appendix
14-Day COVID-19 Case Rate Hotspots at the Census Tract Level

For the time period between 8/12/21 and 8/26/21, the change in COVID-19 case rate (per 100,000) is displayed on the left and case rate hotspots (areas with statistically significant changes in case rates in comparison to surrounding areas) are displayed on the right.

14-Day Case Rate Change

14-Day Case Rate Hotspots

Regions A, E and F have experienced the highest increase of COVID-19 case rates for the past 3 weeks. Case rate hotspots have considerably increased in Region E - with 82% (14 of 17 hotspots) in close proximity to I-55 and US-60.

Cape Girardeau, Mississippi, New Madrid, Scott, and Stoddard counties represent a small, but growing cluster of increasing case rates and 9 case rate hotspots.

Note: Data normalized by population (per 100,000 residents) per Census Tract. COVID-19 case rate data provided by the State of Missouri as of 8/26/21. Previous 2-week change view provided in the Appendix, along with methodology, data sources, and limitations.

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