



EMPLOYMENT AND  
ECONOMIC DEVELOPMENT

# Using the Social Vulnerability Index

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# Objectives and Key Results - Refresher

- Every year, DEED identifies agency wide OKRs and brings together teams to collaborate to achieve them.
- We set strong goals and regularly measure the progress.
- All towards the primary mission '*to empower the growth of the Minnesota economy for everyone*' through working together.
- Organized into three objectives with individual key results to meet each objective.



# 2023-2024 Objectives

- Objective 1: Empower Minnesota to create an economy rooted in equity – across every race, identity, and ability.
- Objective 2: Drive growth that puts Minnesota at the forefront of innovation in technology, high-tech manufacturing, and health & wellness.
- Objective 3: **Meet the moment for Minnesota’s historic workforce shortages, with collaborative efforts towards high-wage jobs with strong growth potential.**
- Learn more on [DEED’s website](#)

# *Meet the moment for Minnesota's historic workforce shortages, with collaborative efforts towards high-wage jobs with strong growth potential.*

## ***Key Results:***

- 1. DEED Workforce programs will increase by 5% the number of participants they serve who come from Quartile 1 and 2 of the Social Vulnerability Index (SVI), which includes the most vulnerable populations and areas of the state.**
2. 80% of Job Creation Fund/Minnesota Innovation Fund recipients hire at least 20% of participants from programs administered by Workforce Development and Workforce Services.
3. Improve and provide training to DEED staff, grantees and Local Workforce Development Area partners on how to assist job seekers in learning more about and entering into Occupations in Demand and the Drive for Five sectors.
4. Through the workforce digital transformation project, implement system integration and technology recommendations that support DEED in creating a better customer experience for individuals and employers.

# What is Social Vulnerability?

Michael Prideaux Performance Analyst and Researcher

# What is Social Vulnerability?

- A number of factors, including poverty, lack of access to transportation, and crowded housing may weaken a community's ability to prevent human suffering and financial loss in a disaster. These factors are known as social vulnerability.
- Many of the factors that make a community vulnerable to disaster are also major barriers to economic security (e.g. not having a vehicle).

# Updated SVI Graphic

## Overall Vulnerability

Socioeconomic Status	Below 150% Poverty
	Unemployed
	Housing Cost Burden
	No High School Diploma
	No Health Insurance
Household Characteristics	Aged 65 & Older
	Aged 17 & Younger
	Civilian with a Disability
	Single-Parent Household
	English Language Proficiency
Black Indigenous People of Color	Hispanic or Latino (of any race)
	Black or African American, Not Hispanic or Latino
	Asian, Not Hispanic or Latino
	American Indian or Alaska Native, Not Hispanic or Latino
	Native Hawaiian or Pacific Islander, Not Hispanic or Latino
	Two or More Races, Not Hispanic or Latino
Housing Type & Transportation	Other Races, Not Hispanic or Latino
	Multi-Unit Structures
	Mobile Homes
	Crowding
	No Vehicle
	Group Quarters

- For Calculating the SVI:

- Used the 2018-2022 American Community Survey (ACS) 5-Year Estimates.
- All scores are calculated on the zip code tabulation area (ZTCA) level
- Scores are then cross walked to the zip code level using a crosswalk provided by Housing and Urban Development (HUD)

- For Calculating Participants:

- Participants had to have enrolled on or after 07/01/2018
- Programs included:
  - CareerForce Employment Services
  - Veterans' Employment Program
  - Title I Programs
  - State-Funded Workforce Programs administered by Adult Career Pathways
  - Select State Youth Programs (MYP, Youth Supportive Services)
  - State Services for the Blind Workforce Development Programs



# Percent of Participants Served by SVI Quartile

CareerForce

Exited by 06-30-2021

Exited after 6-30-2021 or currently enrolled

68.78%

69.83%

15.92%

15.29%

15.77%

14.40%

Q1 SVI & Q2 SVI

Q3 SVI

Q4 SVI

Q1 SVI & Q2 SVI

Q3 SVI

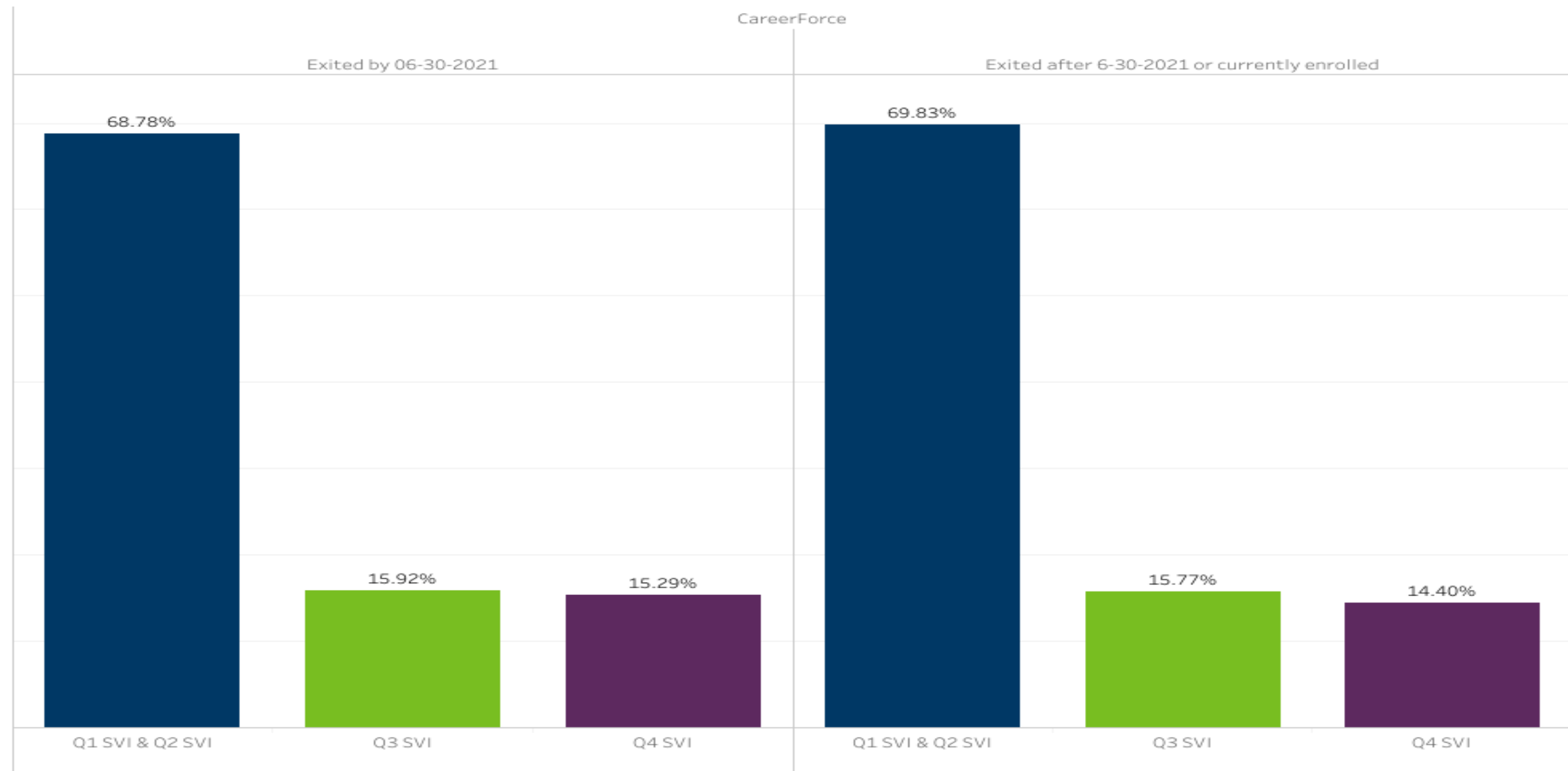
Q4 SVI

SVI (group)

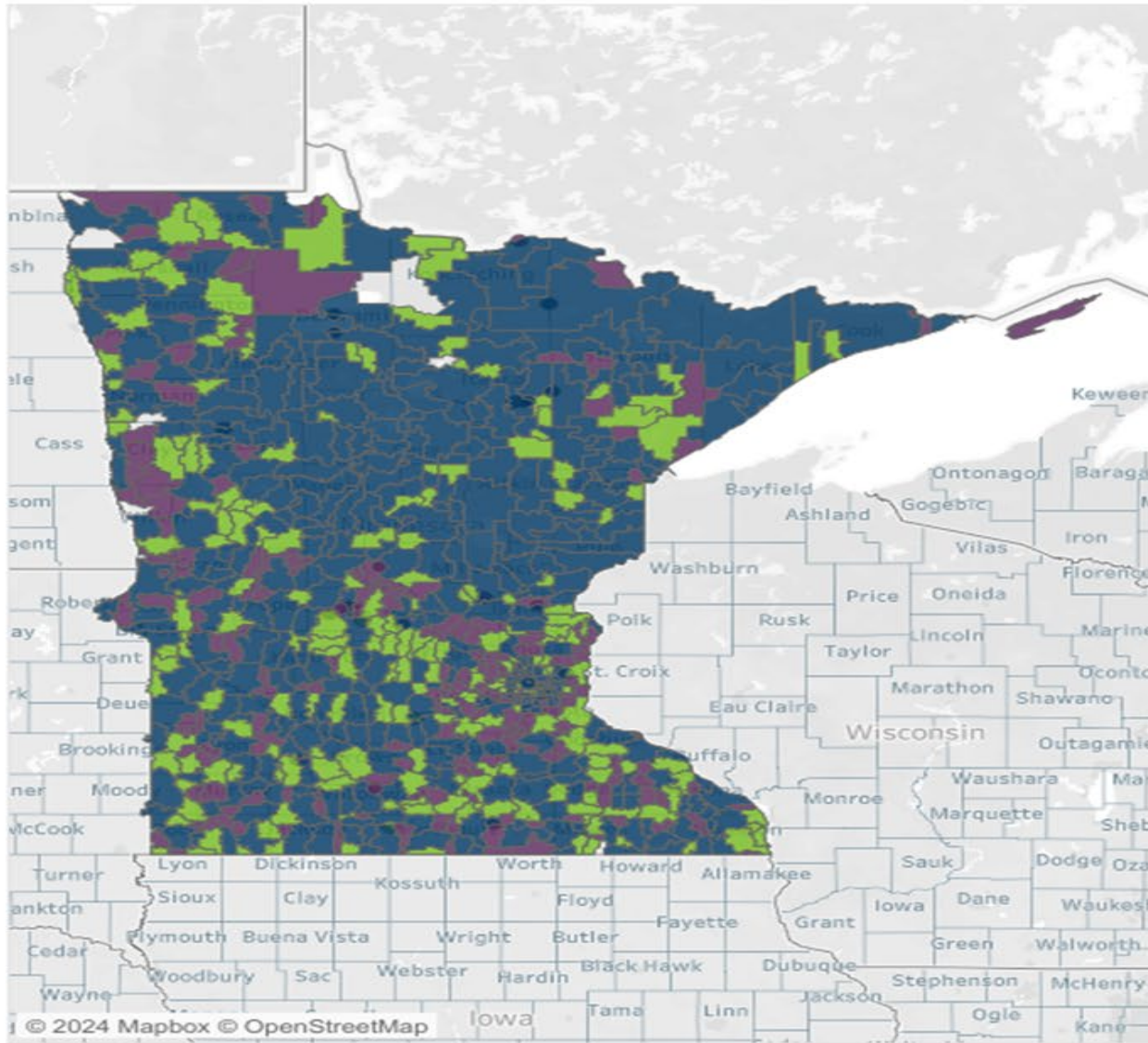
■ Q1 SVI & Q2 SVI

■ Q3 SVI

■ Q4 SVI



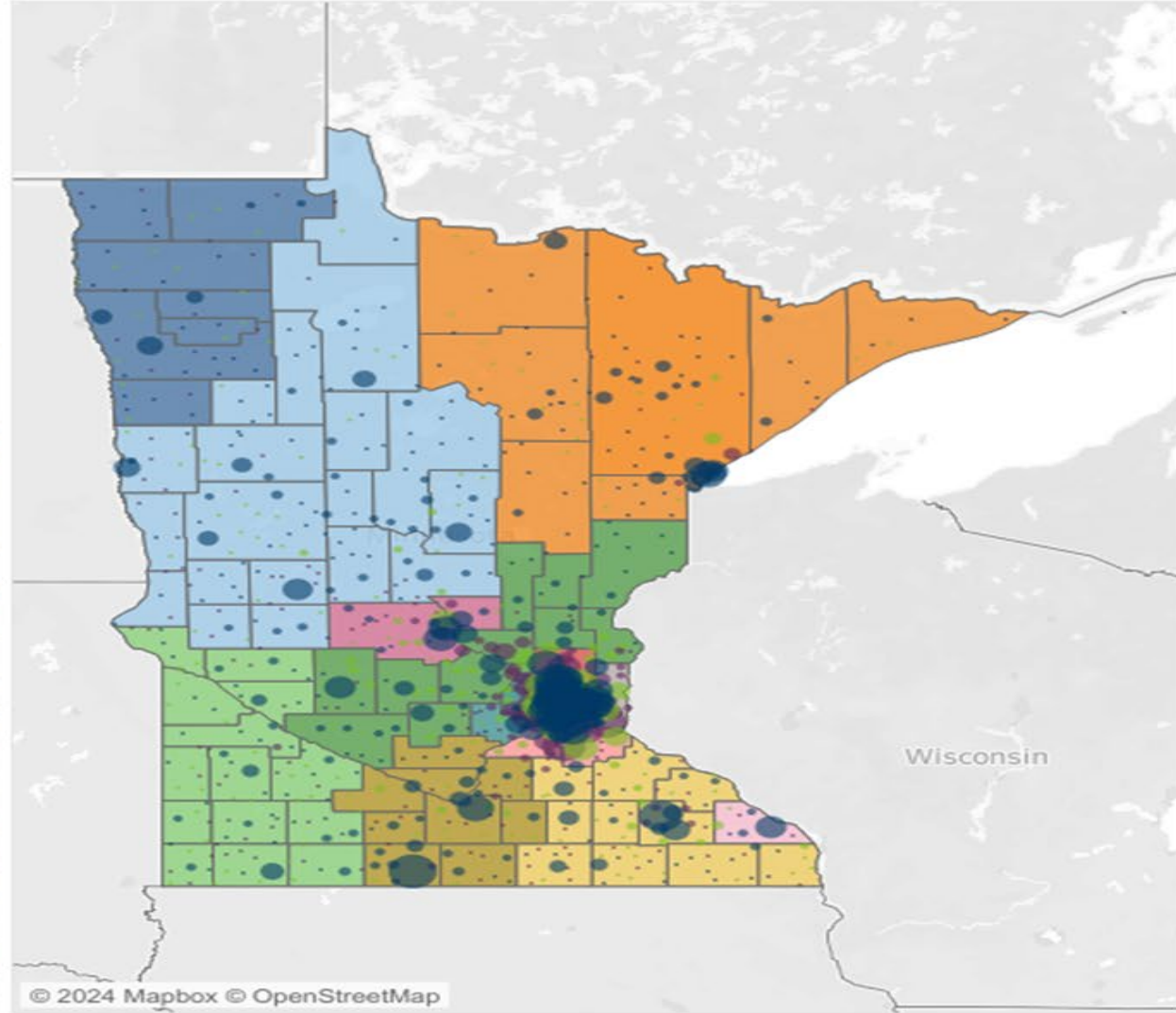
### Zip Code Coverage



**Social Vulnerability Index Quartile**

- Q1 SVI & Q2 SVI
- Q3 SVI
- Q4 SVI

### Heatmap with Local Workforce Development Areas



**Local Workforce Development Area**

- |  |  |   |   |
|--|--|---|---|
| <span style="display: inline-block; width: 15px; height: 15px; background-color: #337ab7; border: 1px solid black; margin-right: 5px;"></span> 1 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #4daf4a; border: 1px solid black; margin-right: 5px;"></span> 5 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #a6cee3; border: 1px solid black; margin-right: 5px;"></span> 9  | <span style="display: inline-block; width: 15px; height: 15px; background-color: #808080; border: 1px solid black; margin-right: 5px;"></span> 15 |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: #a6cee3; border: 1px solid black; margin-right: 5px;"></span> 2 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #4daf4a; border: 1px solid black; margin-right: 5px;"></span> 6 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #e41a1c; border: 1px solid black; margin-right: 5px;"></span> 10 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #bcbddc; border: 1px solid black; margin-right: 5px;"></span> 16 |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: #fdbf6f; border: 1px solid black; margin-right: 5px;"></span> 3 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #fdbf6f; border: 1px solid black; margin-right: 5px;"></span> 7 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #fb9a99; border: 1px solid black; margin-right: 5px;"></span> 12 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #f080f0; border: 1px solid black; margin-right: 5px;"></span> 17 |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: #fdbf6f; border: 1px solid black; margin-right: 5px;"></span> 4 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #fdbf6f; border: 1px solid black; margin-right: 5px;"></span> 8 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #fb9a99; border: 1px solid black; margin-right: 5px;"></span> 14 | <span style="display: inline-block; width: 15px; height: 15px; background-color: #f080f0; border: 1px solid black; margin-right: 5px;"></span> 18 |

# Percent of Participants Served by SVI Quartile

CareerForce

Exited before 07-01-2021

Served in the Last 90 days\* (since 11-01-2023)



69.88%



16.16%



13.95%

Q1 SVI & Q2 SVI

Q3 SVI

Q4 SVI



64.18%



15.74%



20.08%

Q1 SVI & Q2 SVI

Q3 SVI

Q4 SVI

\*-Because of the nature of CareerForce enrollment sequences, this number should be considered preliminary. PTM will confirm a finalized number by April

Last updated: 2/8/2024

SVI (group) ■ Q1 SVI & Q2 SVI ■ Q3 SVI ■ Q4 SVI

# Selected Characteristics by Census Tracts

Race/Ethnicity	Q1 SVI (High/most vulnerable)	Q2 SVI	Q3 SVI	Q4 SVI (Low/least vulnerable)
American Indian or Alaska Native	54%	17%	8%	7%
Asian or Pacific Islander	24%	22%	22%	26%
Black or African American	53%	20%	11%	9%
Hispanic or Latinx	47%	22%	17%	14%
White	24%	22%	22%	26%
Multiple Races	35%	23%	16%	20%
Other	39%	24%	14%	20%

Other characteristics	Q1 SVI (High/most vulnerable)	Q2 SVI	Q3 SVI	Q4 SVI (Low/least vulnerable)
Limited english proficiency	59%	17%	9%	9%
Living with disabilities	34%	23%	19%	18%
MN Medicaid/MNCare enrollees	43%	23%	17%	17%
Total % of MN population	29%	22%	22%	26%

Data Source: 2015-2019 ACS Estimate.

# Selected Demographic Characteristics by SVI Quartile/Zip Code

Quartile	Veterans	Out-of-School Youth (16-19)	Unemployed People	Overall Population
Q1	41%	49%	54%	42%
Q2	24%	22%	19%	22%
Q3	19%	15%	15%	19%
Q4	16%	14%	12%	17%

Source: 2017-2021 ACS 5-Year Estimates

# How Can Performance and Technical Management/DEED Support Your Area?

- Produce custom maps for your LWDA/Region.
  - Crosswalk the SVI to other relevant sources of information (unemployment, poverty rate etc.)
  - Change geographic unit of observation, within reason (e.g., go more granular to census tract or less granular to county).
- Present to your staff or partners.
- Provide scripting (through R) so that locals can produce their own estimates and dashboards.

# Important Links

- CareerForce and Veterans' Program Dashboard:
  - <https://public.tableau.com/app/profile/magda.olson/viz/SVICareerForce/GoalTracking>
- SVI documentation:
  - [https://www.atsdr.cdc.gov/placeandhealth/svi/documentation/SVI\\_documentation\\_2020.html](https://www.atsdr.cdc.gov/placeandhealth/svi/documentation/SVI_documentation_2020.html)