



# Minnesota Results First Demographics of Evidence Base



# Minnesota Results First

- Goal: Produce evidence-based information that is understood, trusted, and used by policy-makers to produce better results for Minnesotans.
- We are non-partisan and value objectivity and transparency in our work

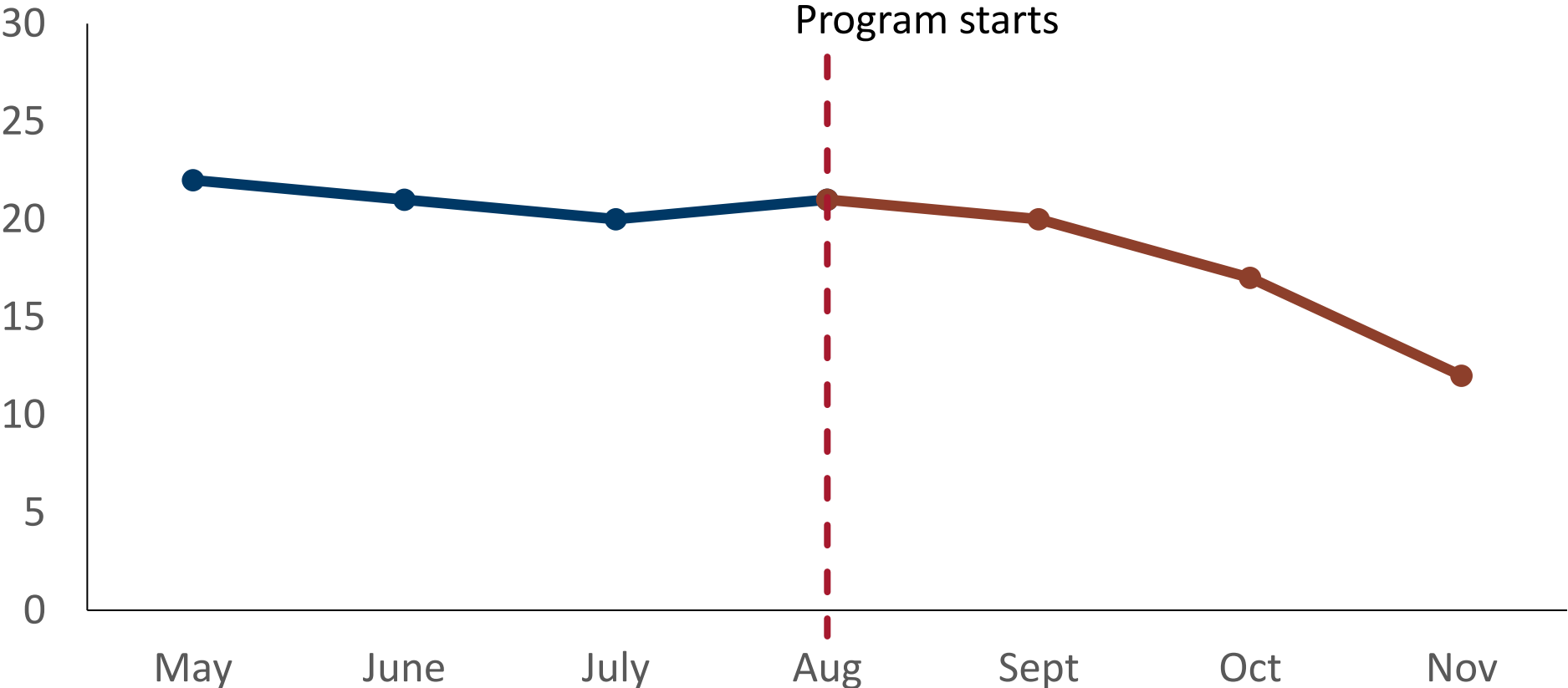
- Evidence-based Practices and Impact Evaluations
- Minnesota Inventory of Evidence-based Practices
- Demographics of Evidence-based Practices
- Summary and Opportunities

# Evidence-based Practices and Impact Evaluations

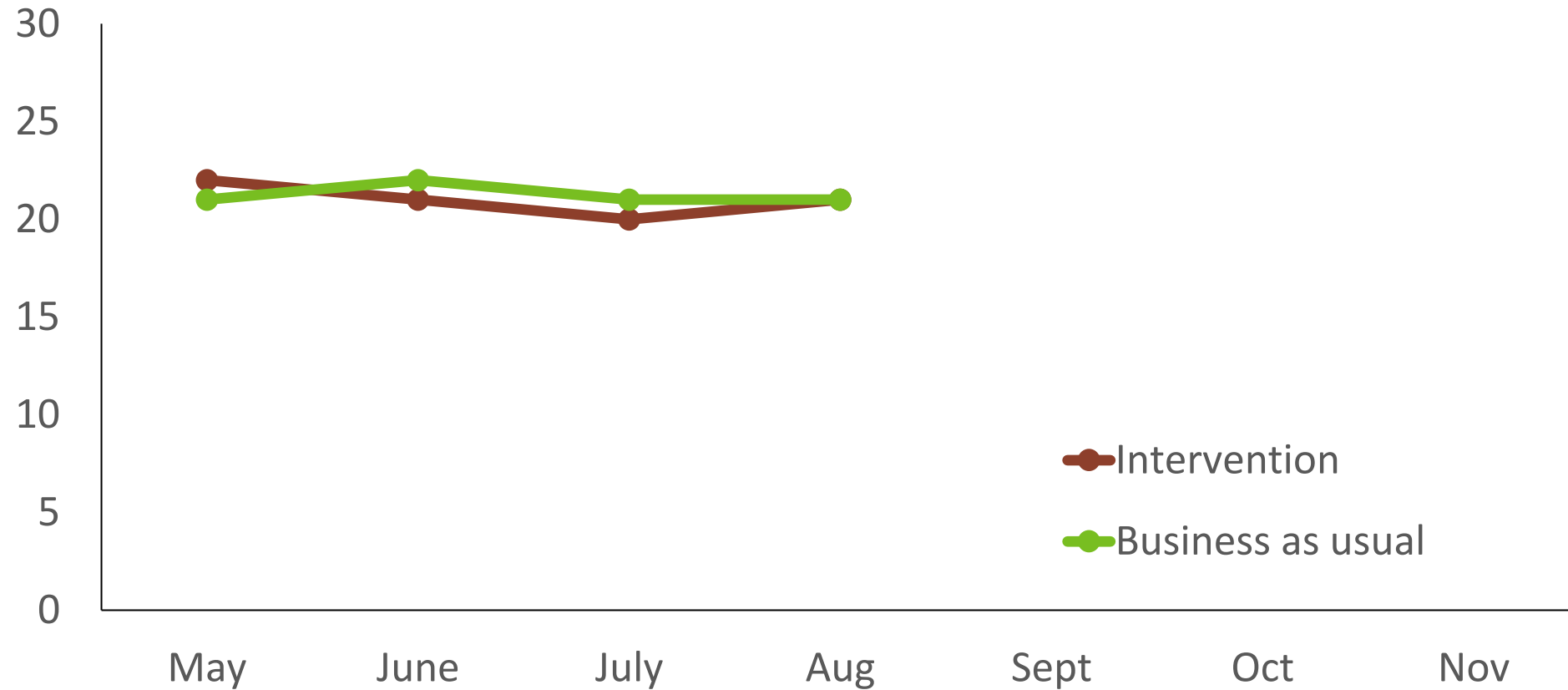
# Evidence-based Practices

- **Evidence-based practices** have been found to be effective by at least one scientific study.
- **Other practices** may be effective, but their effectiveness has not yet been scientifically studied. We call these “theory-based”

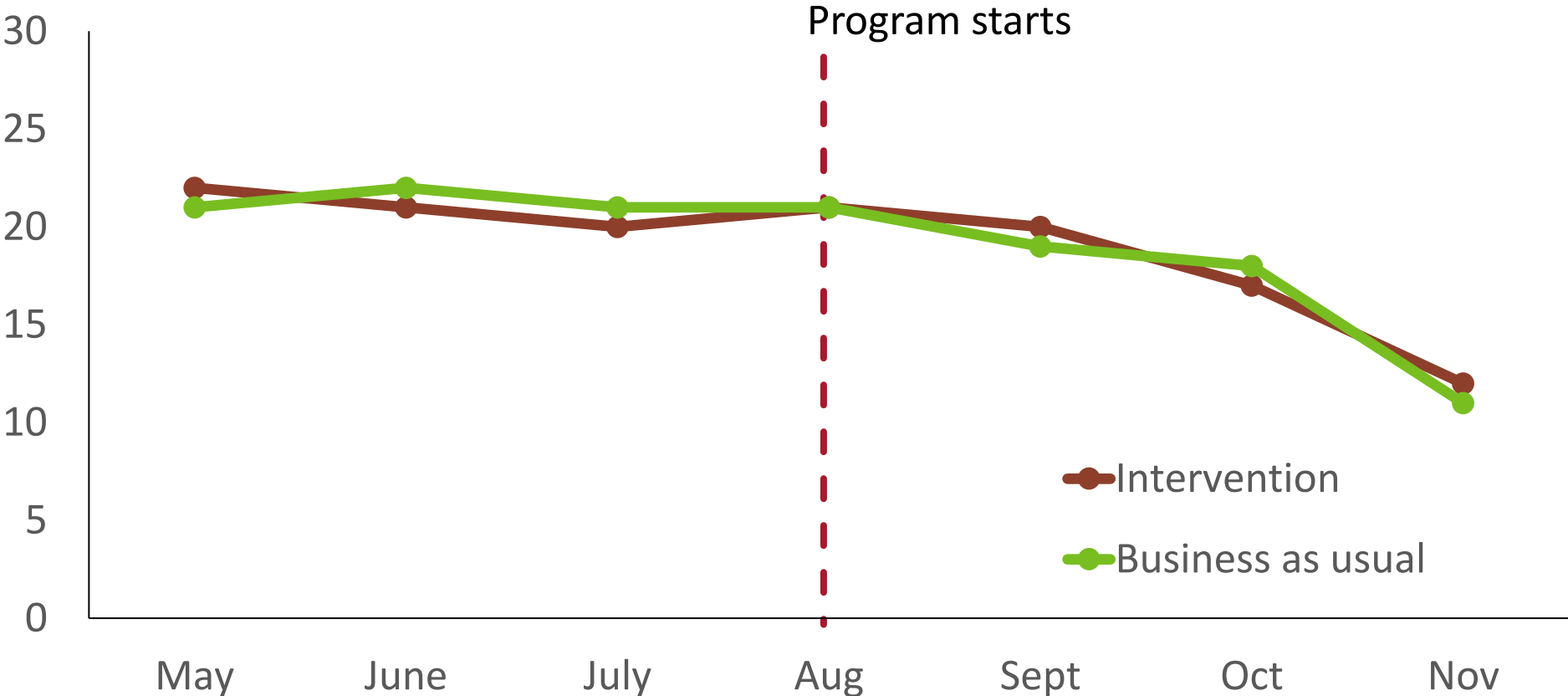
# Evaluation Design



# Evaluation Design

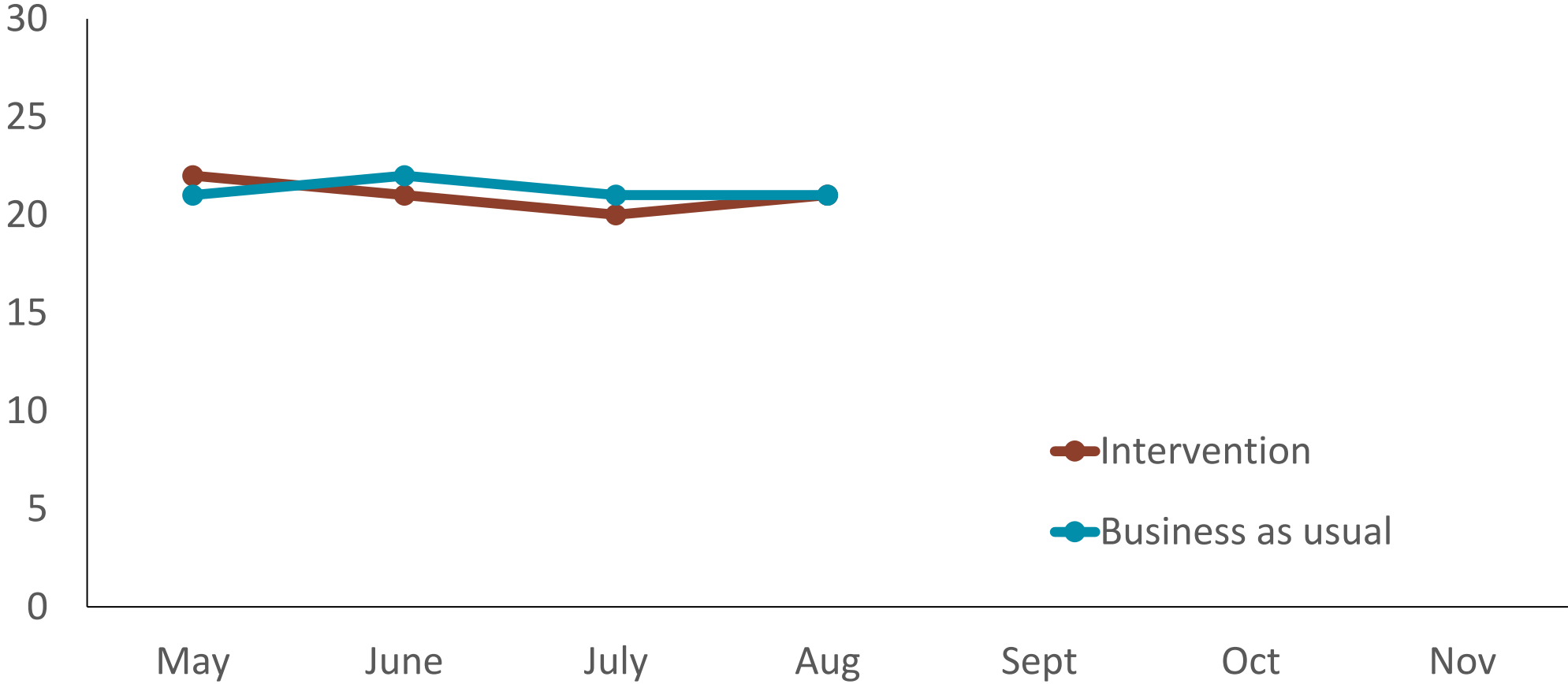


# Evaluation Design

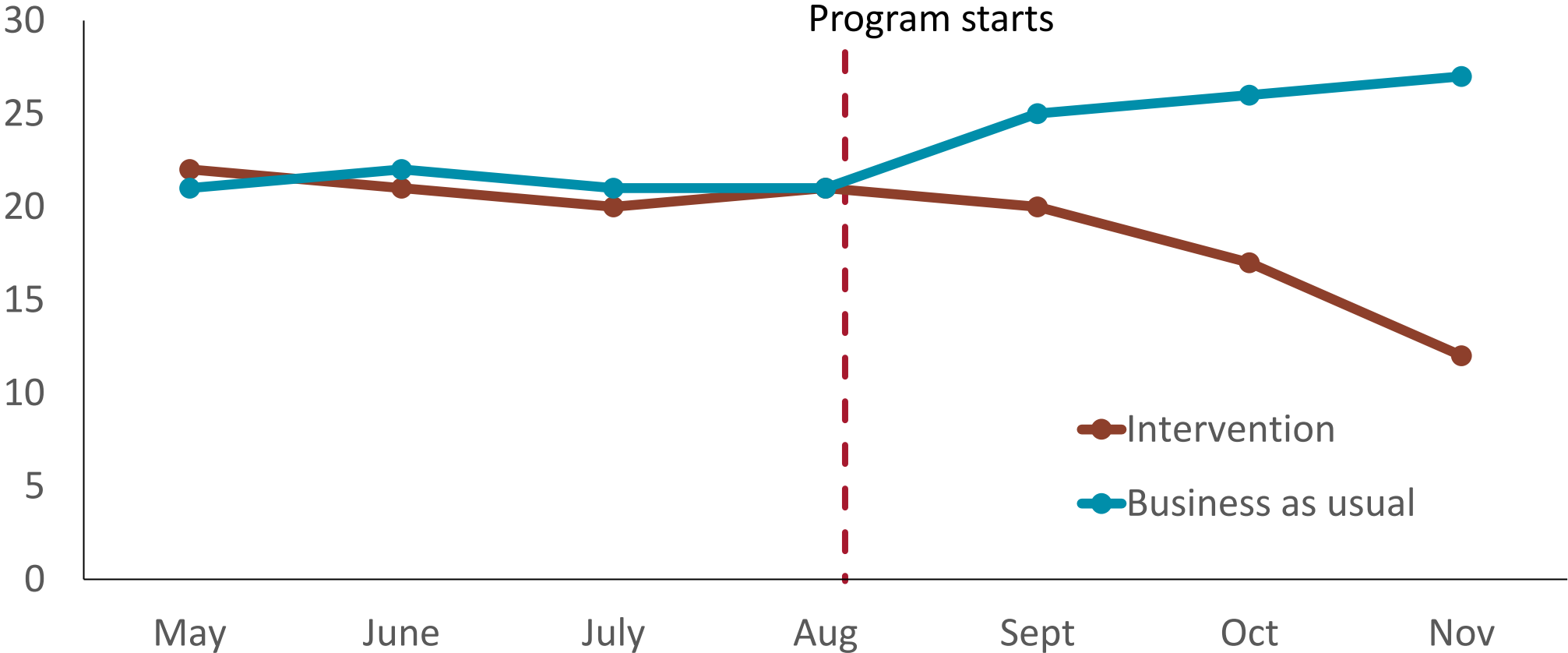




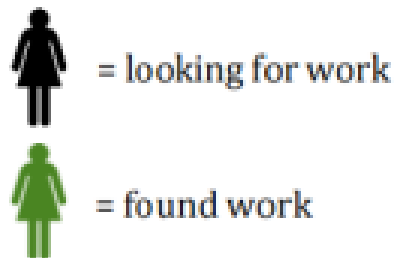
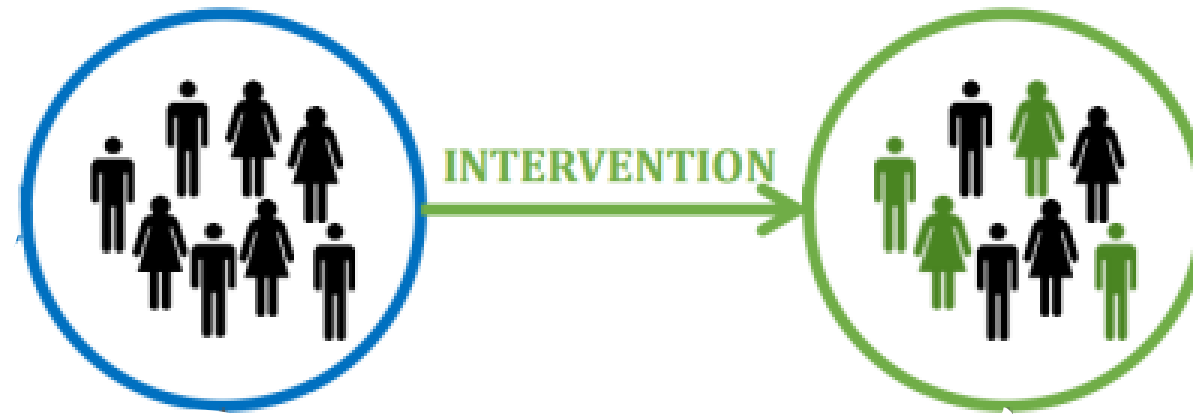
# Evaluation Design



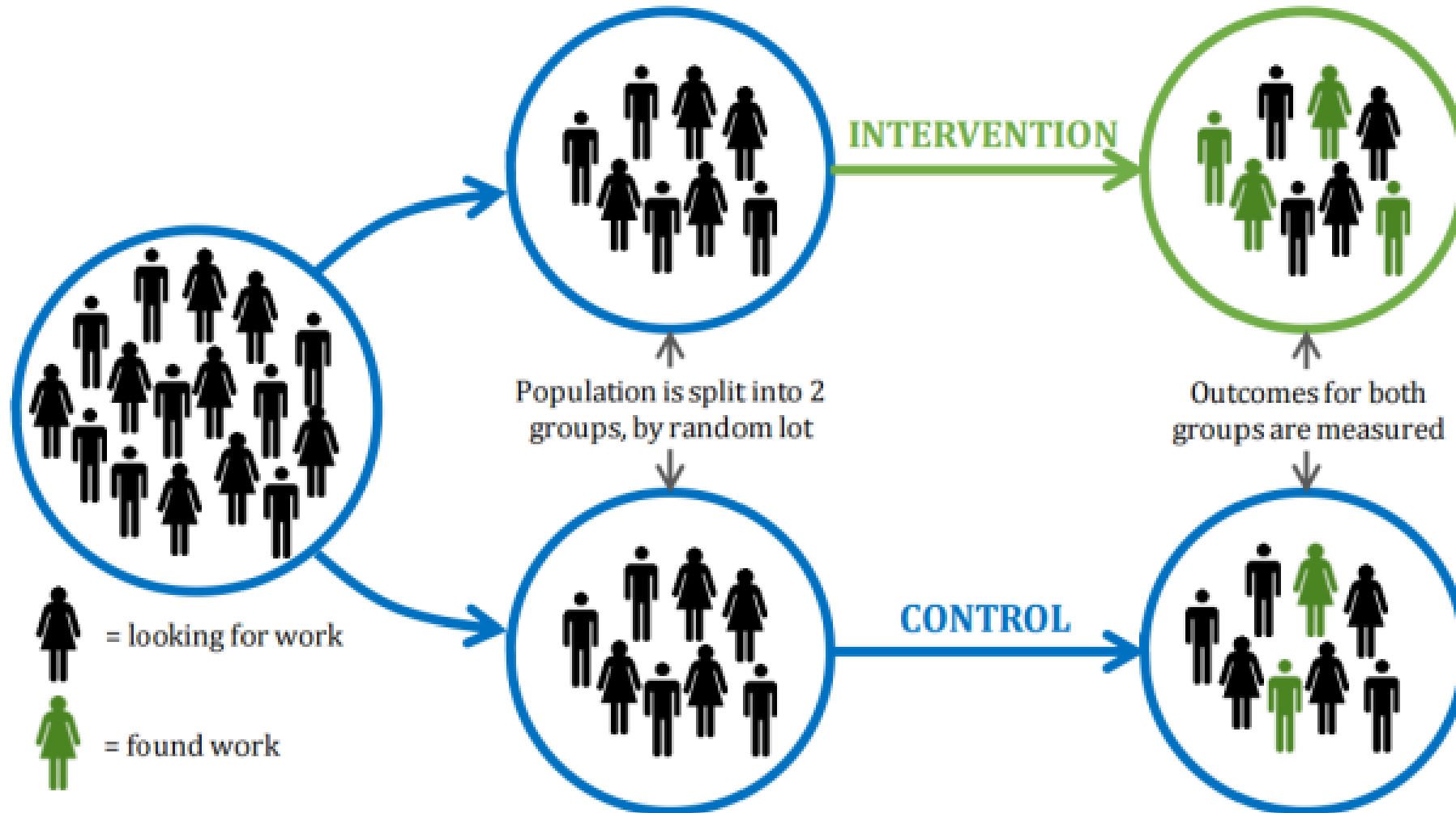
# Evaluation Design



# Method for understanding what works



# Method for understanding what works



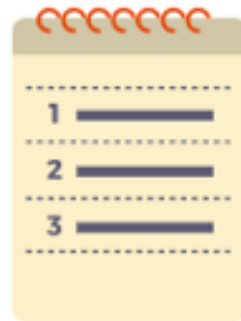
# Common opportunities for an impact evaluation

## Pilots



Example: Screen, Brief Intervention, Referral to Treatment training in 2 counties

## Waitlists



Example: Waitlists to access wraparound services

## Phased rollout



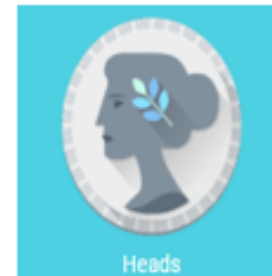
Example: A prevention curriculum phased in by region over 2 years.

## Cut-off score or amount



Example: To receive treatment services, a family must score below a certain score on an assessment.

## Random assignment



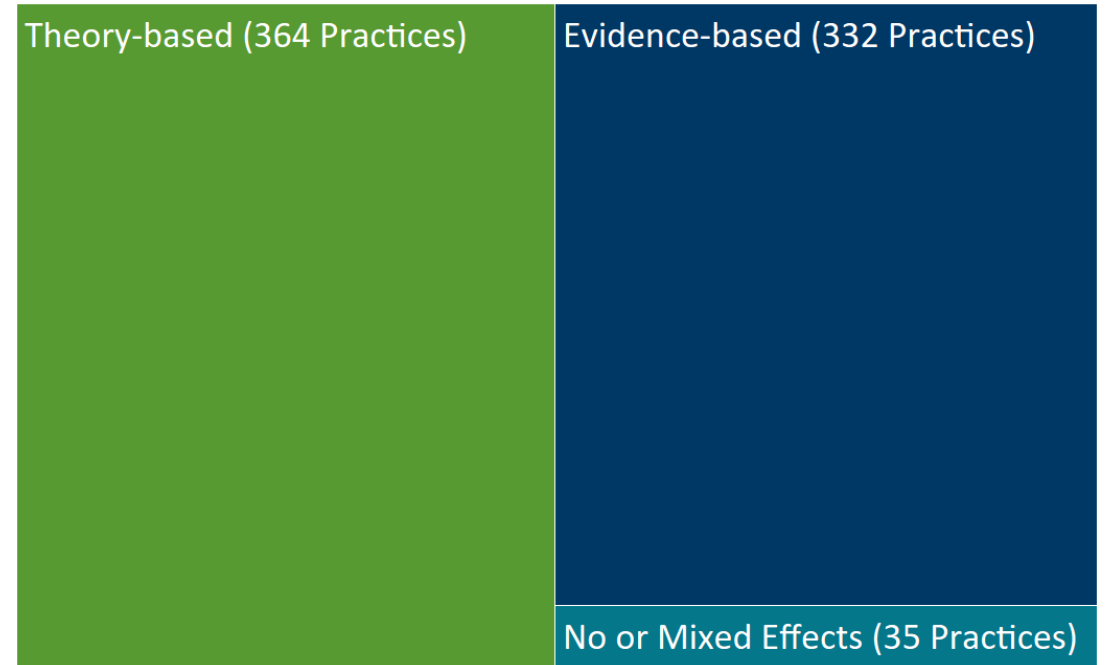
Example: A lottery to select residents for limited spots in supportive housing

# Minnesota Inventory of Evidence-based Practices

# Minnesota Inventory

## The Minnesota inventory includes:

- 20 outcome measures
- 11 programmatic areas
- Evidence-based determinations for 730 services/programs,
  - Uses existing research and self-generated “new” evidence



<https://mn.gov/mmb/results-first/inventory>

# Minnesota Inventory

Search service name by keyword

Total number of services/programs in table below that match your search: **731**

<p><b>Rating</b></p> <input checked="" type="checkbox"/> (All) <input checked="" type="checkbox"/> Mixed Effects <input checked="" type="checkbox"/> No Effect <input checked="" type="checkbox"/> Promising <input checked="" type="checkbox"/> Proven Effective <input checked="" type="checkbox"/> Theory Based <p>Cancel    Apply</p>	<p><b>Area of interest</b></p> <input checked="" type="checkbox"/> (All) <input checked="" type="checkbox"/> Child stability <input checked="" type="checkbox"/> Criminal justice <input checked="" type="checkbox"/> Early childhood <input checked="" type="checkbox"/> Employment and econo... <input checked="" type="checkbox"/> Family stability <input checked="" type="checkbox"/> General / physical health <p>Cancel    Apply</p>	<p><b>Service population</b></p> <input checked="" type="checkbox"/> (All) <input checked="" type="checkbox"/> Null <input checked="" type="checkbox"/> Adults <input checked="" type="checkbox"/> All children <input checked="" type="checkbox"/> Culturally specific <input checked="" type="checkbox"/> Families <input checked="" type="checkbox"/> Gender-specific <p>Cancel    Apply</p>	<p><b>Outcome</b></p> <input checked="" type="checkbox"/> (All) <input checked="" type="checkbox"/> Additional outcomes <input checked="" type="checkbox"/> Alcohol use <input checked="" type="checkbox"/> Child maltreatment <input checked="" type="checkbox"/> Crime (including recidivis... <input checked="" type="checkbox"/> Employment / earnings <input checked="" type="checkbox"/> Enhancement in child or ... <p>Cancel    Apply</p>	<p><b>Service location</b></p> <input checked="" type="checkbox"/> (All) <input checked="" type="checkbox"/> Null <input checked="" type="checkbox"/> Correctional setting <input checked="" type="checkbox"/> Court <input checked="" type="checkbox"/> Educational setting <input checked="" type="checkbox"/> Family foster care <input checked="" type="checkbox"/> In home or community <p>Cancel    Apply</p>
---	--	--	--	--

Service	Service description	Rating	Source of evidence
12-step Facilitation Therapy	A brief, structured approach to facilitating early recovery from alcohol and other drug abuse. The intervention is based on the principles of 12-step fellowships, such as alcoholics or narcotics anonymous..	Proven Effective	NREPP
21st Century Community Learning Centers	21st Century Community Learning Centers (21st CCLC) is a grant program to provide out-of-school time support to students. Centers are intended to help students meet state and local student standards in core academic sub..	Theory Based	Not at this time



Two common questions asked about using EBPs:

- Are the people studied in the underlying research representative of those served by Minnesota programs?
- Do these programs work for Minnesotans?

# Demographics of Evidence-based Practices

# Demographics of Evidence Base

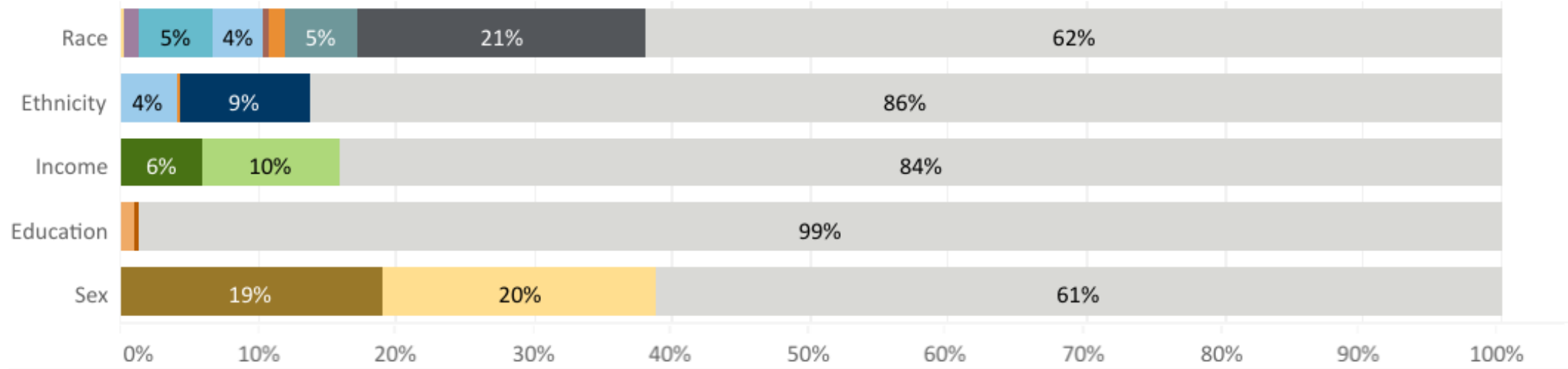
To determine who was included in evidence-based studies, beginning in early 2019, we reviewed the demographic characteristics of people studied in over 1,300 papers cited by evidence clearinghouses (such as PEW and WSIPP) for all evidence-based programs in the Minnesota Inventory.

From each paper, we extracted the following information:

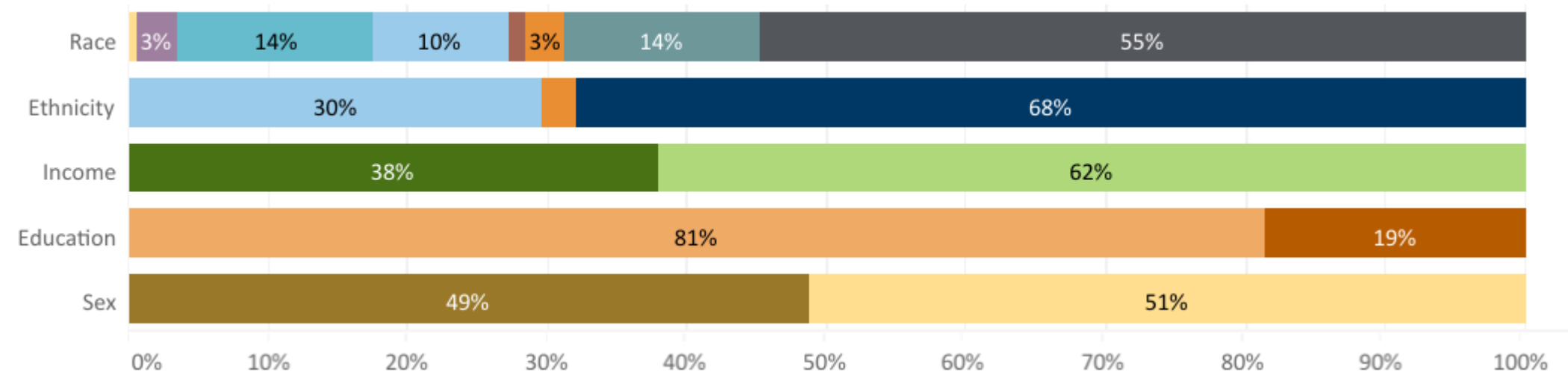
- Sample size
- Number of people studied by:
  - Race
  - Ethnicity
  - Income
  - Education
  - Sex

# Demographics of Evidence Base

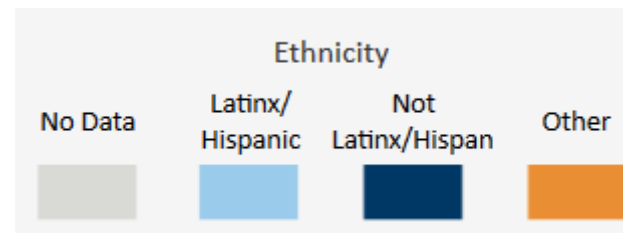
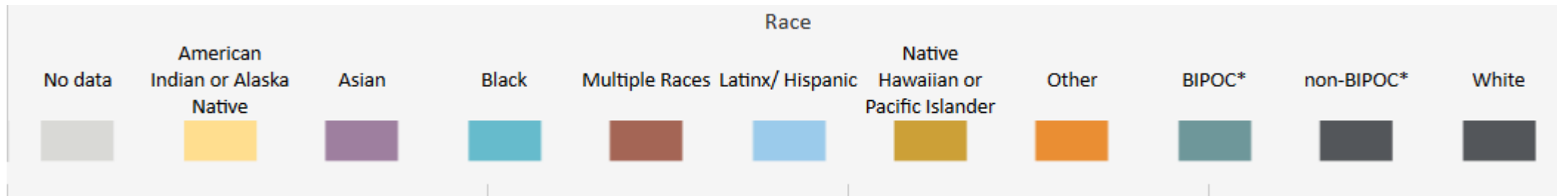
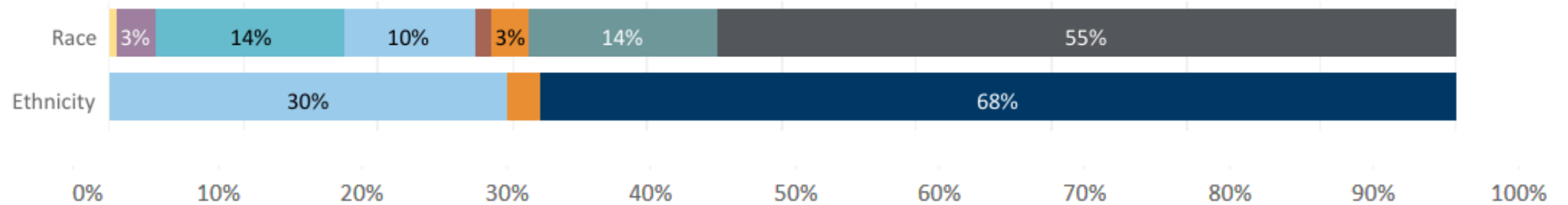
## Study participant demographics for all evidence-based programs



## Study participant demographics (excluding missing data)

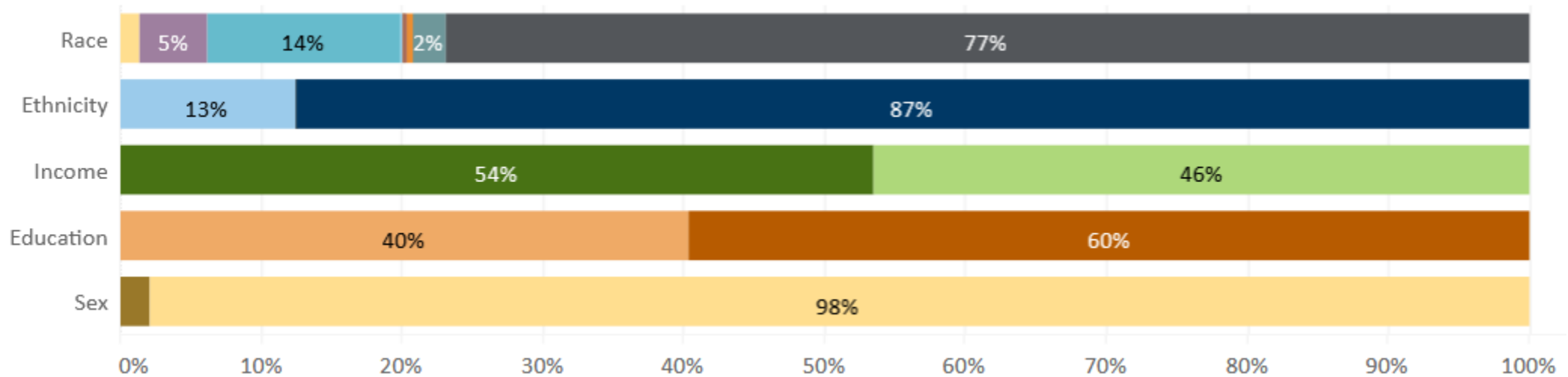


## Study participant demographics (excluding missing data)



# Program-level Demographic Example

## Cognitive Behavioral Therapy (CBT) for adults on Supervision

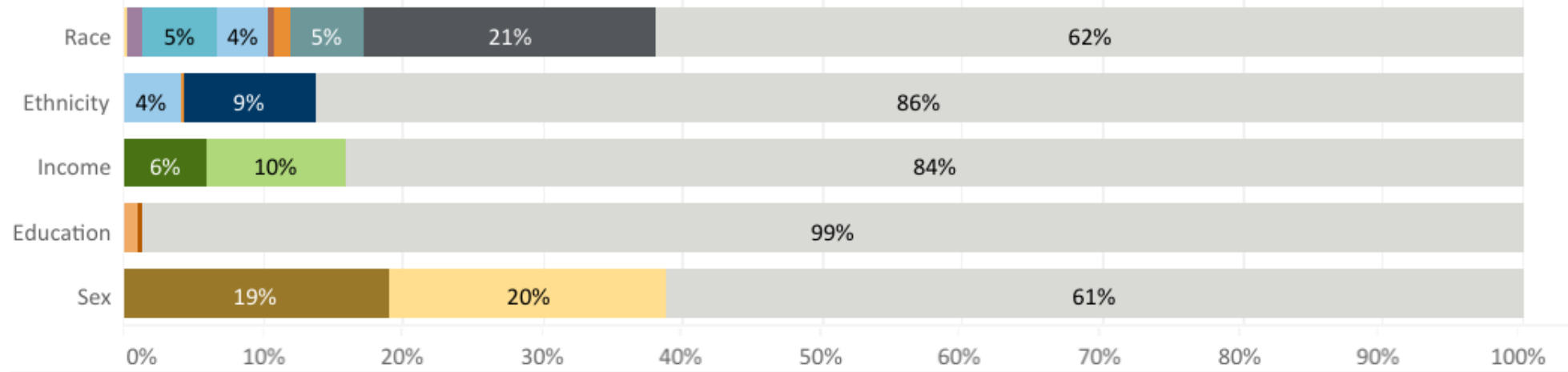


# Summary and Opportunities



- The results of our analysis provide some confidence that the evidence basis for these programs often reflects Minnesotans served.
- However, in many cases, the underlying evidence does not disaggregate outcomes by demographic characteristics.

# Opportunities



- In order to help policymakers and program managers identify and implement evidence-based programs that work for communities in need, wherever possible, we recommend that researchers:
  - Include demographic information of study participants and
  - Use sample sizes and research designs that allow them to report impacts by detailed characteristics

# Results First Resources

- Results First website: <https://mn.gov/mmb/results-first/>
- Using Evidence in Policymaking website: <https://mn.gov/mmb/evidence/>
  - Definitions of evidence
  - Resources for finding quality evidence
  - Trainings
- Minnesota Inventory: <https://mn.gov/mmb/results-first/inventory/>
- Demographics of evidence base: <https://mn.gov/mmb/results-first/evidence-base-demographics/>

# Contact Information

Patrick Carter

Minnesota Management and Budget

[patrick.w.carter@state.mn.us](mailto:patrick.w.carter@state.mn.us)