System Equity Evaluation Tool

Carrie Glaser, Research Analyst at Oregon CJC

Katherine Tallan, Research Analyst at Oregon CJC

Introduction: Raw Differential Representation (RDR)

The RDR is the number of *additional* individuals of a particular group receiving an outcome of interest (i.e. school discipline) than would be expected if that particular group and the comparison group were at parity.

Example: Suspension of Black students, RDR = 3

"Three more Black students received suspension than would be expected if white and Black students were at parity."

"Three fewer Black students would need to receive suspension in order for white and Black students to receive suspension at the same rate."

Rate?

Risk Ratio?

Negative RDR Values?

Introduction: Let's say you have 2 groups of people...





Example: Justice Reinvestment Program (JRP)

Question 1: Is Justice Reinvestment funding benefiting Oregonians in an equitable way?

Question 2: Are there 'missed opportunities' for prison diversion that the Grant Review Committee (GRC) can help address?





The decision that the Justice Reinvestment Program can influence is sentencing for JRPeligible crimes:

"Will this person go to prison or not?"

The RDR can tell us:

"Does this decision-making process, given existing resources, result in a disparity?"

Example: Justice Reinvestment Program (JRP)

Questions:

Is Justice Reinvestment funding benefiting Oregonians in an equitable way?

Are there 'missed opportunities' for prison diversion that the JRP Grant Review Committee can help address?

Group Definitions:

- 'Majority' = white, by gender
- 'Minority' = each non-white racial/ethnic group separately, by gender
- 'Total' = all people convicted of a nonviolent felony, by gender
- 'Target' = people sentenced to probation, by gender

RDR Displayed Over Time





Do not use your browser's back button.

Use the links below to navigate.

JRP Home

JRP County Programs

JRP Prison Use

JRP Sentencing

JRP Racial Disparity

Recidivism Portal

Incarceration Portal

Help me understand this chart!

Justice Reinvestment

Reducing Recidivism & Incarceration While Protecting Public Safety & Holding Individuals Accountable

Malheur County

Probation Use for Nonviolent (JRP) Crimes

This page examines sentencing and revocations by race and gender so that JRP resources can be allocated in an efficient and equitable manner. The information presented here is derived from DOC records for prison, jail, and probation intakes, and is limited in scope to sentencing and revocation decisions impacting those **convicted of nonviolent crimes**; it does not represent the overall disparities between racial and ethnic groups among justice-involved individuals.

To view general demographics of Oregon's incarcerated population, click here.

Probation Racial Disparity Tool

Compares the rate of probation use for people convicted of JRP-eligible crimes.

Values indicate how many more members of a minority group, convicted of a nonviolent crime, would have been sentenced to or remain in probation (as opposed to prison or jail) if there were parity between the minority and majority groups' probation use rates. Select a data point to view crime details to the right and to view cases.



Malheur County: 2012 to Present, All Races Men Hover over a bar to view a comparison of sentence lengths by race.





Asian/PI

Black Latinx

Native

Men

Women

System Equity Preview

- Apply RDR to multiple points of interaction
- Identify specific points that result in disparity
- Use the results to guide further analysis



Aspirational Example: System Equity



RDR of 2023 Latino Men DUII Data

Aspirational Example: System Equity



Summary

- RDR is useful to state governance because it measures human interactions
 - Scalable to large and small populations
- Careful selection of populations helps isolate specific points in the CJ system
 - Allows individual system actors to have ownership of outcomes
 - Addresses and informs specific policy questions
- RDR does not suggest *cause* of disparity, but can help direct research resources



Thank you!

Carrie Glaser Research Analyst Oregon Criminal Justice Commission carrie.glaser@cjc.oregon.gov Katherine Tallan Research Analyst Oregon Criminal Justice Commission <u>katherine.tallan@cjc.oregon.gov</u>





Native Female Perpetual System Equity Plot



2023 Black Female System Equity Plot





Introduction: Let's say you have 2 groups of people...



Disparity: RDR > 0



"1 more Purple person received a prison sentence than we would expect given parity between Purple and Blue."

Parity Condition:	
$\frac{Majority\ Prison\ (2)}{Majority\ Total\ (20)}=$	$=\frac{m_i}{Minority Total(10)}$
RDR To Ach	ieve Parity:
RDR = Minority	Prison (2) – m_i
RDR = 2 - $RDR = 1$	