

v1

Maiko Hata

csv1: 10 exit categories

(for Kable table)

csv2: byrace

(imported OSEP excel, 2013-22, US/OR, deceased/continuing in Part C removed, mutated complete_or_not_eligible to combine 3 similar categories)

csv3: agg_by_race_and_state

based on “byrace”, dropped the combined 3 categories, so just total + 6 exit categories

csv 4: race_oregon

based on agg_by_race_and_state but Oregon only

csv 5: race_us

csv 6: race_us_chart

US Exit reasons by race (deleted “area”)

```
[1] "race" "withdrawal_by_parent"
[3] "attempts_to_contact_unsuccessful" "moved_out_of_state"
[5] "part_b_eligible_exiting_part_c" "complete_or_not_eligible"
[7] "part_b_eligibility_not_determined" "area"
[9] "exit_total"
```

csv 7: race_oregon_chart

Oregon Exit reasons by race chart

cleaned up to here

csv 8:

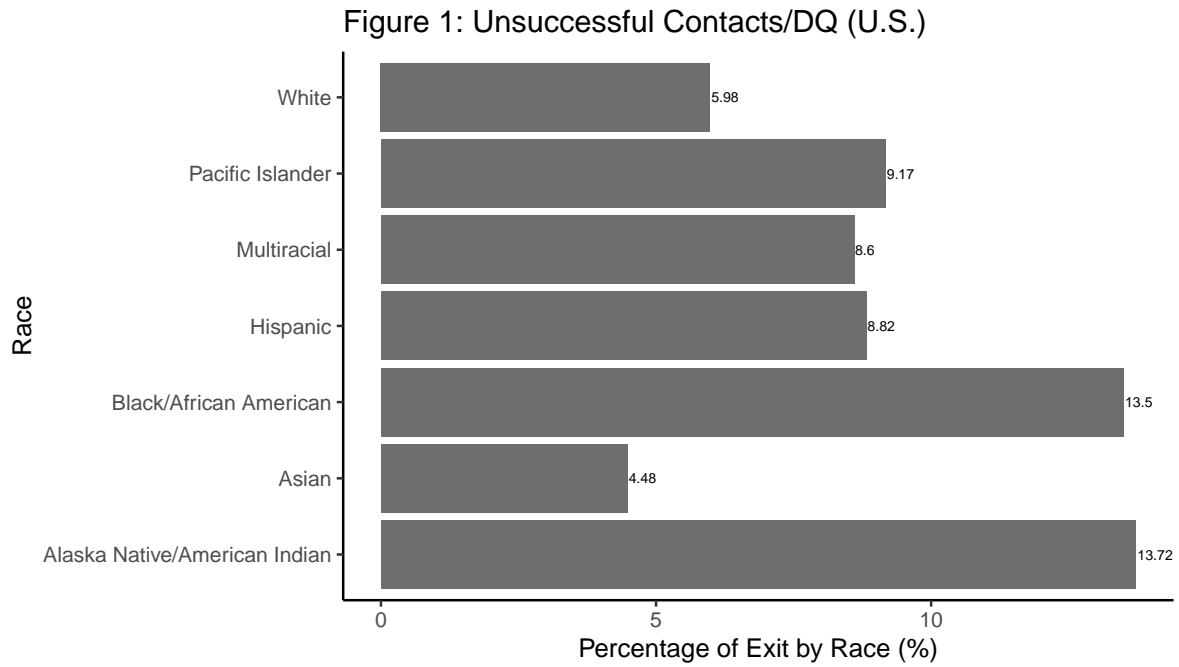
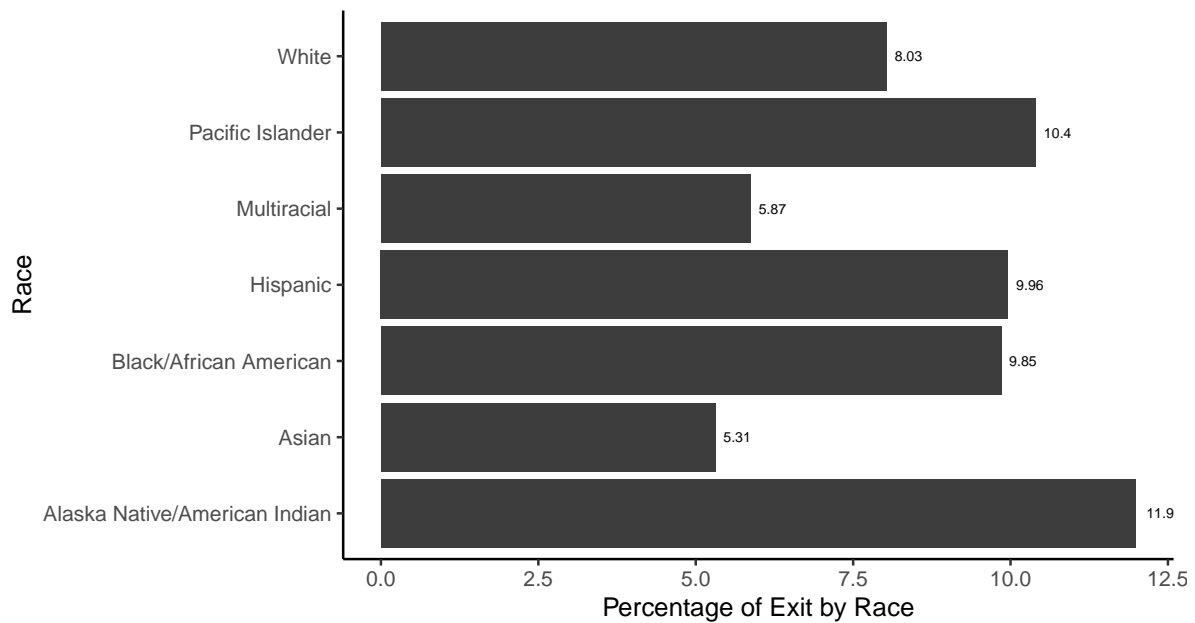


Figure 2: Unsuccessful Contacts/DQ (Oregon)



The chi-square indicated that there was a statistically significant association between children being Black/African American or White and them leaving EI due to being disqualified nationally. The chi-square test indicated, X-squared (222556.00, N = 2,088,058), $p < 2.2e-16$ or 0.0000000000000002 ($p < .001$).

Cohen's h was calculated to evaluate the effect size of the analysis. The result indicated a small to medium effect size, $h = 0.259$. However, even though effect size shows the magnitude of the difference, it is not necessarily considered to be a direct indication of the importance of the findings (Morgan et al., 2020).

References

- Annie E. Casey Foundation. (2024, July). Child population by race and ethnicity. KIDS COUNT Data Center. <https://datacenter.aecf.org/data/tables/103-child-population-by-race-and-ethnicity#detailed/1/any/false/1095,2048,574,1729,37,871,870,573,869,36/72,66,67,8367,69,70,71,12/423,424>
- Castillo, W. & Strunk, K. (2024, November 15). How to QuantCrit [PowerPoint slides]. <https://www.sree.org/critical-perspectives>
- Crenshaw, K. (1989). Demarginalizing the intersection of race and sex: A Black feminist critique of antidiscrimination doctrine, feminist theory and antiracist politics. *University of Chicago Legal Forum*, 1989(1), 139-167.
- Early Childhood Technical Assistance Center [ecta], (2023, October 6). *Part C of IDEA*. ecta. <https://ectacenter.org/partc/partc.asp>
- Individuals with Disabilities Education Act, 20 U.S.C. § 1400 (2004).
- Morgan, G.A., Barrett, K.C., Leech, N.L., & Gloeckner, G.W. (2020). *IBM SPSS for introductory statistics: Use and interpretation*. Routledge.
- Morgan, P. L., Farkas, G., Hillemeier, M. M., & Maczuga, S. (2012). Are minority children disproportionately represented in Early Intervention and Early Childhood Special Education? *Educational Researcher*, 41(9), 339–351. <https://doi.org/10.3102/0013189X12459678>
- OpenAI. (2024). *ChatGPT* [Large language model]. Provided code assistance. Retrieved from <https://chat.openai.com/>
- Romano, S.D. (2006). Historical perspectives. In G. M. Foley & J.D. Hochman (Eds.), *Mental health in early intervention: Achieving unity in principles and practice* (pp. 33-58). Baltimore: Paul H. Brookes Publishing Company.
- Schneider, A. & Gibbs, H. (2023, December 14). Data dashboard: An overview of child care and early learning in the United States. The Center for American Progress. <https://www.americanprogress.org/article/data-dashboard-an-overview-of-child-care-and-early-learning-in-the-united-states/>
- Silverstein, J. (2015, April 15). Genes don't cause racial-health disparities, society does. *The Atlantic*. <https://www.theatlantic.com/health/archive/2015/04/genes-dont-cause-racial-health-disparities-society-does/389637/>

We used R version 4.4.1 [[@base](#)] and the following R packages: `corrplot` v. 0.95 [[@corrplot2024](#)], `distill` v. 1.6 [[@distill](#)], `DT` v. 0.33 [[@DT](#)], `epitools` v. 0.5.10.1 [[@epitools](#)], `gt` v. 0.11.1 [[@gt](#)], `gtsummary` v. 2.0.3 [[@gtsummary](#)], `here` v. 1.0.1 [[@here](#)], `janitor` v. 2.2.0 [[@janitor](#)], `kableExtra` v. 1.4.0 [[@kableExtra](#)], `knitr` v. 1.48 [[@knitr2014](#); [@knitr2015](#); [@knitr2024](#)], `lme4` v. 1.1.35.5 [[@lme4](#)], `patchwork` v. 1.3.0 [[@patchwork](#)], `pwr` v. 1.3.0 [[@pwr](#)], `quarto` v. 1.4.4 [[@quarto](#)], `rcartocolor` v. 2.1.1 [[@rcartocolor](#)], `rcompanion` v. 2.4.36 [[@rcompanion](#)], `reactable` v. 0.4.4 [[@reactable](#)], `rio` v. 1.2.3 [[@rio](#)], `rmarkdown` v. 2.28 [[@rmarkdown2018](#); [@rmarkdown2020](#); [@rmarkdown2024](#)], `scales` v. 1.3.0 [[@scales](#)], `sjPlot` v. 2.8.16 [[@sjPlot](#)], `tidylog` v. 1.1.0 [[@tidylog](#)], `tidyverse` v. 2.0.0 [[@tidyverse](#)], `tinytex` v. 0.53 [[@tinytex2019](#); [@tinytex2024](#)].