Measures of Race/Ethnicity in Add Health

Investigating Racialized Inequalities in Add Health
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Taylor W. Hargrove, PhD
Assistant Professor of Sociology
CPC Faculty Fellow
University of North Carolina at Chapel Hill
Definitions

- **Racism**: organized social system that divides individuals and differentially allocates valued resources, opportunities, and power
  - Vs. race (proxy measure)
  - Vs. ethnicity
    - Hispanic vs. Latino
      - Hispanic: individuals of any race who have origins in Spanish cultures (e.g., excludes Brazil)
      - Latino: individuals of Latin American origin (e.g., includes Brazil but excludes Spain)
Racism and Race in Quantitative Studies
Dimensions of Race

- Racial identity
- **Racial self-classification**
- **Observed race**
  - Appearance based
  - Interactions based
- **Reflected race**
- **Phenotype**
- **Racial ancestry**
# Measures in Add Health

<table>
<thead>
<tr>
<th>Parent</th>
<th>Wave I*</th>
<th>Wave III</th>
<th>Wave IV</th>
<th>Wave V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Race (self/partner)</td>
<td>Race ([SCH, WII \text{ partner}])</td>
<td>Race (self/partner)</td>
<td>Race of partners</td>
<td>What is your race or ethnic origin?</td>
</tr>
<tr>
<td>Hispanic or Latino origin (self/partner)</td>
<td>Hispanic or Spanish/Latino origin ([SCH, WII \text{ partner}])</td>
<td>Hispanic or Latino origin (self/partner)</td>
<td>Hispanic or Latino origin of partners</td>
<td></td>
</tr>
<tr>
<td>Hispanic/Latino or Asian background (self/partner)</td>
<td>Hispanic/Latino or Asian background ([WII \text{ partner}])</td>
<td>Hispanic/Latino or Asian background</td>
<td>Race of close friends</td>
<td>Which of the following best describes your Hispanic/Asian/Pacific Islander race or ethnic origin?</td>
</tr>
<tr>
<td>Interviewer-rated race</td>
<td>Interviewer-rated race</td>
<td>Interviewer-rated race</td>
<td>Interviewer-rated race</td>
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<tr>
<td></td>
<td>Family ancestries</td>
<td></td>
<td>Interviewer-rated skin tone</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transracial adoption</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Complexities

• Measurement
  • Which dimension is most appropriate?
Figure 1. Predicted probability of experiencing an arrest in adulthood by self-identified race/ethnicity and perceived skin color based on Table 3, Model 5 (*p < .05 indicates significantly different from White respondents with White skin [i.e., between race/ethnicity significance] and *w p < .05 indicates significantly different from the lightest skinned counterparts of that racial/ethnic group [i.e., within-race/ethnicity significance]).

Source: Finkeldey and Demuth 2021
Complexities

• Measurement
  • Which dimension is most appropriate?
  • Within group heterogeneity
Figure 1. Index of cardiovascular health risk (CHR) indicators across skin tones and socioeconomic status (SES), Add Health 2008. Since CHR scores were standardized (mean of zero), scores lower than zero suggest below-average health risk while scores higher than zero reflect above-average health risk. Results are unadjusted for covariates.

Source: Uzogara 2019
Complexities

• Measurement
  • Which dimension is most appropriate?
  • Within group heterogeneity
  • Inconsistencies (and their consequences)
Figure 1. Depressive symptoms by observed inconsistency and skin color: American Indian respondents in Add Health.
Note. All skin color categories are represented in the figure, although the darkest skin tones have small sample sizes. Add Health = National Longitudinal Study of Adolescent to Adult Health.

Figure 2. Suicidal ideation by observed inconsistency and skin color: American Indian respondents in Add Health.
Note. All skin color categories are represented in the figure, although the darkest skin tones have small sample sizes. Add Health = National Longitudinal Study of Adolescent to Adult Health.

Source: Pirtle and Brown 2016
Beyond Individual-Level Race

- Contextual measures capturing manifestations of racism
  - Updated ACS data
  - Newly available contextual data
    - Opportunity Insights
    - Institute for Health Metrics and Evaluation (IHME)
    - RWJF County Health Rankings
    - Kaiser Family Foundation State Health Facts
    - Tax Burden on Tobacco
Beyond Individual-Level Race

• Contextual measures capturing manifestations of racism

• Interpersonal
  • Measures of discrimination
    • Treated with less courtesy or respect than other people
    • Receive poorer service than other people at restaurants or stores
    • People act as if they think you are not smart
    • People act as if they are afraid of you
    • Are threatened or harassed
    • Been unfairly stopped, searched, or questioned by the police
Promise of Add Health
New Opportunities for Research

• Structural racism
  “‘...the totality of ways in which societies foster [racial] discrimination, via mutually reinforcing [inequitable] systems... (eg, in housing, education, employment, earnings, benefits, credit, media, health care, criminal justice, etc) that in turn reinforce discriminatory beliefs, values, and distribution of resources’ (Krieger 2014), reflected in history, culture, and interconnected institutions.” (Bailey et al. 2017)

Contextual Measures in Progress:
• Eviction Lab
• Home Mortgage Disclosure Act
• Vera Institute
• Fatal Encounters
• Mapping Police Violence
• The Sentencing Project
• National Conference of State Legislatures
• Policy Surveillance Program
New Opportunities for Research

• Structural racism

• Historical racism
  • Better understand legacies and impact of past racialized policies and practices
New Opportunities for Research

• Structural racism
• Historical racism
• Additional aspects of social identities and difference
  • New forms or categories of stratification
    • E.g., MENA category
    • E.g., Multi-racial identification
New Opportunities for Research

• Structural racism
• Historical racism
• Additional aspects of social identities and difference
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Measures being collected for Wave VI (released ~ 2025)

• Race or ethnic origin
• Self-rated skin tone
• Reflected race
• Race or ethnic origin of household members and partners
• New measures of discrimination
Concluding Thoughts
Concluding Thoughts

• What is the “best” way to measure race and racial inequality?

• Historicizing and contextualizing race and racism
  • “Using QuantCrit to Advance an Anti-Racist Developmental Science: Applications to Mixture Modeling” (Suzuki et al. 2021)
  • “A Call to Focus on Racial Domination and Oppression: A Response to “Racial and Ethnic Inequality in Poverty and Affluence, 1959–2015” (Williams 2019)

• Appropriate reference groups
Concluding Thoughts

• Vital to continue and advance research on racism and health
Acknowledgements

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Information on obtaining Add Health data is available on the project website (https://addhealth.cpc.unc.edu).
Thank You!