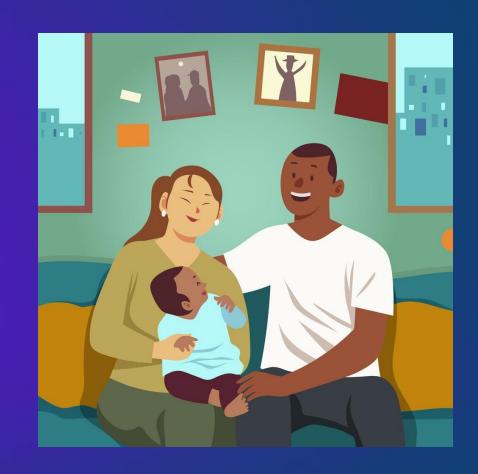
The Importance of Identifying Multiracial People in Social Science Research

TALKING DATA EQUITY

APRIL 11, 2025

ANNABELLE L. ATKIN, PHD

N. KEITA CHRISTOPHE, PHD



Who are we?

- Annabelle Atkin, PhD
- Developmental Scientist
- Assistant Professor, Human Development & Family Science
- PurdueUniversity



- Developmental Psychologist
- Assistant Professor,Department of Psychology
- McGill University



Agenda

- Positionality
- Census data
- Multiracial identity theories
- Race data collection options (and consequences)
- Tips & takeaways

Positionality



Definitions

Multiracial person:

Individual with biological parents of different racial backgrounds

Multiethnic

Mixed heritage

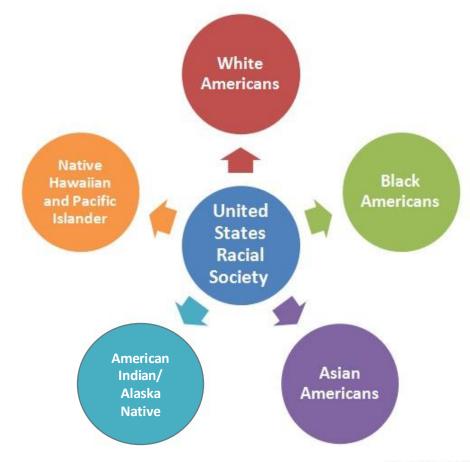
Mixed Race

Multiracial

Biracial

Racial groups (according to the 2020 U.S. Census)

- 1. White
- 2. Asian
- 3. Native Hawaiian/Pacific Islander
- 4. African American/Black
- 5. American Indian/Alaska Native
- 6. Some other race





2020 U.S. CENSUS

Home > Sex > Age > Hispanic Origin

Is Annabelle L Atkin of Hispanic, Latino, or Spanish origin? (Help)

| No, not of Hispanic, Latino, or Spanish origin |
|--|
| Yes, Mexican, Mexican American, Chicano |
| Yes, Puerto Rican |
| Yes, Cuban |
| Yes, another Hispanic, Latino, or Spanish origin Enter, for example, Salvadoran, Dominican, Colombian, Guatemalan, Spaniard, Ecuadorian, etc. |

| Home > | Sex > | Age > | Hispanic | Origin > | Race |
|--------|-------|-------|----------|----------|------|
|--------|-------|-------|----------|----------|------|

What is Annabelle L Atkin's race? (Help)

| Select one or more boxes AND enter origins. For this census, Hispanic origins are not races. | Chinese |
|--|---|
| White Enter, for example, German, Irish, English, Italian, Lebanese, Egyptian, etc. | Filipino |
| | Asian Indian |
| Black or African American | Vietnamese |
| Enter, for example, African American, Jamaican, Haitian, Nigerian, Ethiopian, Somali, etc. | Korean |
| | Japanese |
| American Indian or Alaska Native | Other Asian Enter, for example, Pakistani, Cambodian, Hmong, etc. |
| Enter name of enrolled or principal tribe(s), for example, Navajo Nation, Blackfeet Tribe, Mayan, Aztec, Native Village of Barrow Inupia | |
| | Native Hawaiian |
| | Samoan |
| | Chamorro |
| | Other Pacific Islander Enter, for example Tongan, Fijian, Marshallese, etc. |
| | Some other race Enter race or origin. |

| 8. | What is Person 1's race or ethnicity? Mark all boxes that apply AND print ethnicities in the spaces below. Note, you may report more than one group. | | | | | | | | | | | | | | | | |
|----|--|--------------------------------|--------|---------------|-------|-------------|-------|-------|-------------|-------|--------|------|--------|-------|--------|-------|----|
| | | WHITE - Provide details below. | | | | | | | | | | | | | | | |
| | | | Ge | erme | an | | | | Irish | 1 | | | | Er | nglisi | h | |
| | | | | lian | | | | | Poli | - | | | | | ench | 1 | |
| | | Print | , for | exo | amp | le, S | Scot | ttish | , Nor | weg | ian, : | Dute | ch, et | lc. | | | |
| | | | | | | | | | | | | | | | | | |
| | | HISF | AN | IC. | LAT | INC |). O | R S | PAN | ISH | – Pi | ovio | le de | taile | : bel | low. | |
| | | | Me | exic Me | | n | i | | Pue Rica | rto | | | | | uban | | |
| | | | Sa | dva | dora | ın | | | Don | ninic | an | | | Co | olom | ibian | ı |
| | | Print | , flor | exa | amp | le, C | Gua | tem | alan, | Spa | miar | d, E | cuad | lonia | ın, e | fc. | |
| | | | | | | | | | | | | | | | | | |
| | | BLA | СК | OR | ĄPI | fi c | AN. | AM | ERIC | AN - | – Pr | ovid | le dei | tails | bel | ow. | |
| | | | - | rical neri | n Can | | | | Jam | naica | ın | | | Ha | aitiar | n | |
| | | | - 7 | geri | - | | | | Ethi | opia | n | | | Sc | mal | i | |
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| | | | CI | nine | se | | | | Filip | ino | | | | As | ian | India | an |
| - | | П | VI | etha | me | se | | | Kon | ean | | | | Ja | pani | ese | |
| 1 | | Print | loi | ex | amp | le, f | Paki | istar | vi, Ca | mbo | odlar | , Hi | nong | , er | c. | | |
| 7 | | | | | | | | | | | | | | | | | |

2030 U.S. Census

| AMERICAN INDIAN OR ALASKA NATIVE - Print, for example, Navajo Nation, Blackfeet Tribe, Mayan, Aztec, Native Village of Barrow Inupiat Traditional Government, Tlingit, etc. | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
| MIDDLE EASTERN OR NORTH AFRICAN – Provide details below. | | | | | | | | | | | |
| Lebanese Iranian Egyptian | | | | | | | | | | | |
| Syrian Moroccan Israeli | | | | | | | | | | | |
| Print, for example, Algerian, Iraqi, Kurdish, etc. | | | | | | | | | | | |
| | | | | | | | | | | | |
| NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER – Provide details below. | | | | | | | | | | | |
| Native Samoan Chamorro | | | | | | | | | | | |
| ☐ Tongan ☐ Fijian ☐ Marshallese | | | | | | | | | | | |
| Print, for example, Palauan, Tahitian, Chuukese, etc. | | | | | | | | | | | |
| | | | | | | | | | | | |
| SOME OTHER RACE OR ETHNICITY - Print details. | | | | | | | | | | | |
| | | | | | | | | | | | |

This question collects information in accordance with the *Employment Equity Act* and its Regulations and Guidelines to support programs that promote equal opportunity for everyone to share in the social, cultural, and economic life of Canada.

19 Is this person:

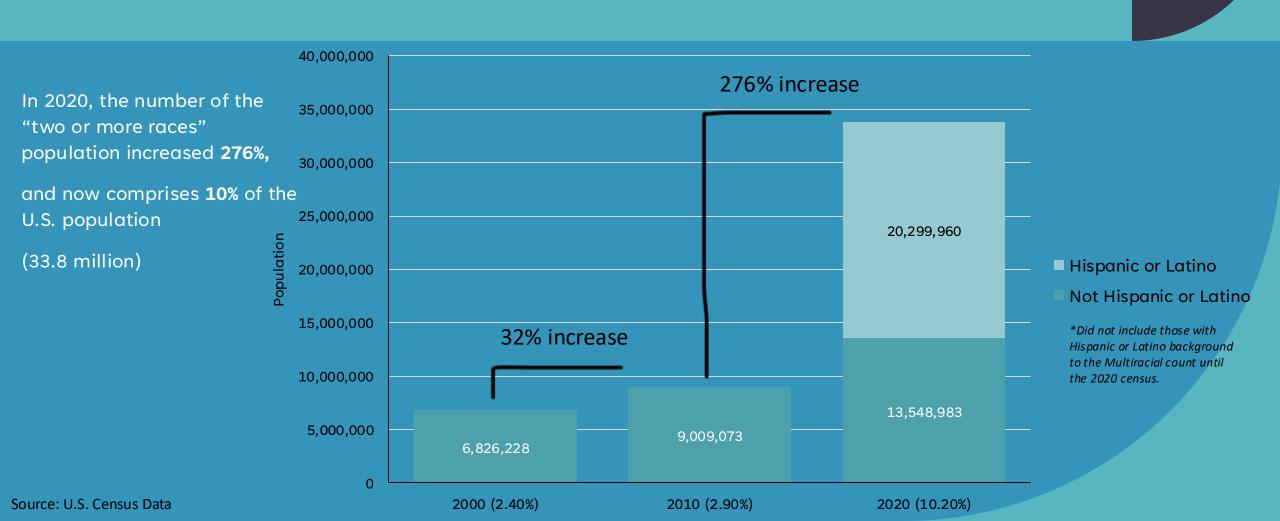
Mark "\omega" more than one circle or specify, if applicable.

| O White |
|--|
| O South Asian (e.g., East Indian, Pakistani, Sri Lankan, etc.) |
| Chinese |
| O Black |
| O Filipino |
| O Latin American |
| O Arab |
| O Southeast Asian (e.g., Vietnamese, Cambodian, Laotian, Thai, etc.) |
| O West Asian (e.g., Iranian, Afghan, etc.) |
| O Korean |
| O Japanese |
| Other - specify: |
| |

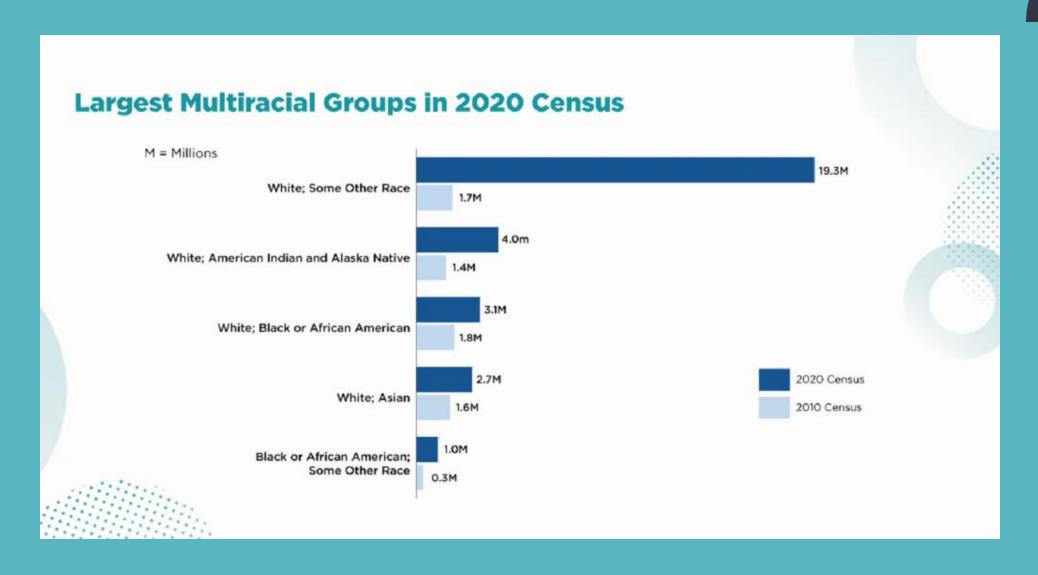
StatsCan Race/Ethnicity Question

Note different categories, some of which would often be grouped in 1 racial group (Asian) in social science research

The U.S. Multiracial Population



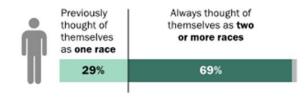
Demographics: Two or More Races



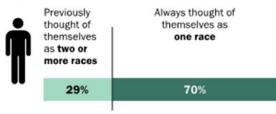
How accurate is the data?

For Some, Racial Identity Has Changed

Percentage of adults with a multiracial background who say they are **two or more races** who ...



Percentage of adults with a multiracial background who say they are **only one race** who ...



Note: Multiracial adults are two or more races (based on backgrounds of self, parents or grandparents). Those who gave no answer are shown but not labeled.

Source: Pew Research Center survey, Feb. 6-April 6, 2015 (n=1,555 multiracial adults)

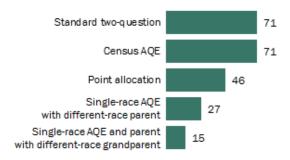
PEW RESEARCH CENTER

010a-b

Are Multiracial Americans being over- or underestimated?

Many Who Allocate Points to More Than One Race Don't Consider Themselves "Mixed Race"

Among adults who select two or more races on each measure, % who say they consider themselves "mixed race"



Note: Sample sizes for adults identifying two or more races in each method are as follows: Standard two-question (n=83), Census AQE (n=98), Point allocation (n=264), Single-race AQE with different race parent (n=111), Single-race AQE and parent with different race grandparent (n=116).

Source: Pew Research Center's American Trends Panel, merged Wave 5 and 7 file, July 7-Aug. 4, 2014 and Sept. 9-Oct. 3, 2014 (N=2,721)

PEW RESEARCH CENTER



Critical Multiracial Theory

Monoracial paradigm in U.S. society – race is immutable and fixed

Does not recognize Multiracial realities

Results in a monocentric system (Jackson & Samuels, 2019)

- Privileges monoracial identities as the norm
- Pathologizes multiraciality as exotic and abnormal
- Upholds whiteness as a racially pure category
- Perpetuates the one-drop rule
- Essentializes multiraciality as inherently problematic

Consequences of the Monoracial Paradigm

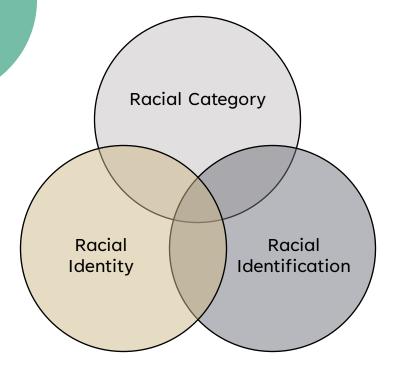
- Monoracism discrimination targeting Multiracial status (Harris, 2016; Johnston & Nadal, 2010)
 - Being exoticized, tokenized, objectified, rejected
 - Being put into monoracial boxes, or forced to pick a
 monoracial identity
- Parents do not talk about race, utilize colorblind messages (Jackson et al., 2017; O'Donoghue, 2005; Rauktis et al., 2016; Rollins & Hunter, 2013; Samuels, 2009, 2010; Snyder, 2012)
- Monoracial focus
- Not prepared to embrace multiraciality or respond to monoracism

Data scientists & researchers may be contributing to this!

Racial Identity Typologies

- Singular Identity: Choosing One Race
- Protean Identity: Choosing Multiple Races
- Transcendent identity: Choosing no race
- Border Identity: Choosing a Third Space (i.e., creating one's own identity and label)
 - E.g., "Eurasian", "Cablinasian", "Mexipino", "Blasian"







Identity Development

- Racial Identity: an individual's selfunderstanding.
- Racial Identification: how others understand and categorize an individual.
- Racial Category: what racial identities are available and chosen in a specific context.

"I look like a White girl, but I don't feel like one. I'm a Black woman." Photo of Halsey and her father



An Exploratory Mixed Methods Study of Multiracial Americans' Race Choices on the 2020 Census

Atkin & Minniear, 2023

tinyurl.com/AtkinMin23





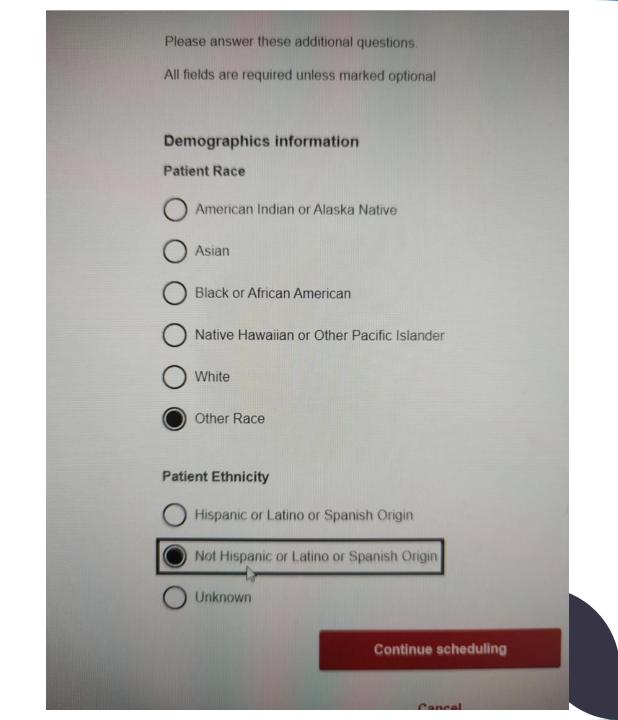
Question: "Why did/would you respond to the census the way you indicated? Did you respond to the census checking boxes for all of your racial-ethnic groups or only one or some of your racial-ethnic groups? Why?"

Themes:

- 1) Identity driven "I responded by only checking the ones I felt I grew up with. I also have small amounts of black and native American ancestry, but because I did not grow up with experiences of either of those cultures, and I am such a small portion of them, I choose not to claim them."
- 2) Accuracy driven "I chose all of my racial backgrounds because I know that the census is used to distribute different kinds of resources amongst communities, and I feel like it's important to very accurately report your information."
- 3) Externally driven "I responded based on the outward appearance and perception that people would have about me. Outwardly I am most perceived as a black African American male so I selected that option."

Key Takeaways for Multiracial Identity

- Mixed-race people construct different racial identities based on their experiences and context
- 2. There are a number of factors that influence their identity choices
- 3. People with the same racial background may choose to identify in different ways
- 4. The boxes one checks on forms may not reflect their identity or racial background
- 5. There is no one right way for a Multiracial person to identify



Race and Social Problems

Christophe, N. K., Atkin, A. L., Stein, G. L., Lee, R. M., & The LOVING Study Collaborative. (2024). How collection of racial demographics highlights or hides participants' Multiraciality: An illustrative example and warning for social scientists. Race and Social Problems, 17, 1–11.

https://doi.org/10.1007/s12552-024-09423-z

https://tinyurl.com/ CARSP2024





12552 - ISSN 1867-1748 5/31 147-238 (2013)



Sample

- N = 688 Multiracial college students
- Recruited from 3 sites across the US
- Only eligible if they had biological parents of 2 different racial groups
- Racial categories (8 options)
 - Black, Asian/Asian American, Native Hawaiian or PI, White (EA), Hispanic/Latina(o), Native American/AI, MeNA, not listed
- Indicated own race + race for each biological parent

Table 1 Descriptives for non-racial demographic variables

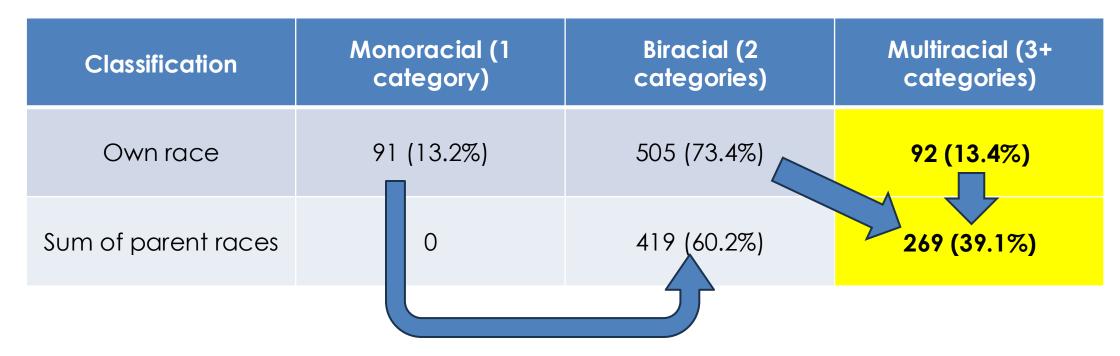
| Variable | Sample (N=688) |
|----------------------|----------------|
| Age range | 18 to 57 |
| Mean age (SD) | 21.2 (5.4) |
| Gender identity | |
| Female | 503 (73.1%) |
| Male | 163 (23.7%) |
| Gender Minority | 24 (3.2%) |
| Generational Status | |
| U.Sborn | 600 (87.2%) |
| Foreign born | 57 (8.3%) |
| Social class | |
| Poor | 23 (3.3%) |
| Working class | 74 (10.8%) |
| Lower middle class | 129 (18.8%) |
| Middle class | 310 (45.1%) |
| Upper middle class | 134 (19.5%) |
| Affluent | 12 (1.7%) |
| Data Collection Site | |
| Southwest | 360 (52.3%) |
| Southeast | 212 (30.8%) |
| Midwest | 116 (16.9%) |
| | |

| Classification | Monoracial (1 category) | Biracial (2 categories) | Multiracial (3+ categories) |
|---------------------|----------------------------|----------------------------|--------------------------------|
| Own race | 91 (13.2%) | 505 (73.4%) | 92 (13.4%) |
| Sum of parent races | 0 | 419 (60.2%) | 269 (39.1%) |

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| Own race | 91 (13.2%) | 505 (73.4%) | 92 (13.4%) |
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Our sample is 100% Multiracial confirmed via our eligibility criteria

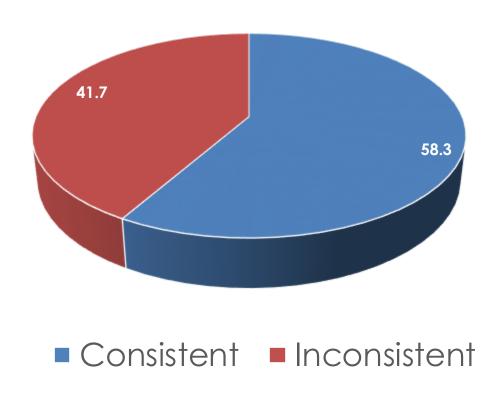
If we only used self-identified race, 13.2% omit categories and would be labeled as monoracial



Using parent race questions leads to a 192% increase in the # of people reporting belonging to 3+ racial groups relative to self-identified race.

41.7% participants would be classified differently based on whether you used either the parent race questions of self-identified race question (N=287)

13.2% if only distinguishing between monoracial (1 group) or more than 1 group



Inconsistency found across studies

National Longitudinal Study of Adolescent Health (Add Health)

Nationally representative U.S sample of >20,000 adolescents recruited in the mid-90's

- ▶ 4.8% Multiracial based on parental race questions
- 6.8% Multiracial based on self-identified race when asked at school
- 3.6% Multiracial based on self-identified race when asked at home
- 640+ youth classified differently across question and context



Inconsistency found across studies

Mauer et al., 2020

705 diverse families with children assessed at 9, 10, & 14 years old

13.8% of caregivers classify their child differently across assessments

14.5% of parent-reported and child-reported race questions at 1 time point don't agree



Who are these people?

Participants who show identity inconsistency:

- Report more perceived conflict between their racial groups
- ► Have less pride in being Multiracial
- Do more exploration of what being Multiracial means to them
- Are more likely to have multiple minoritized backgrounds

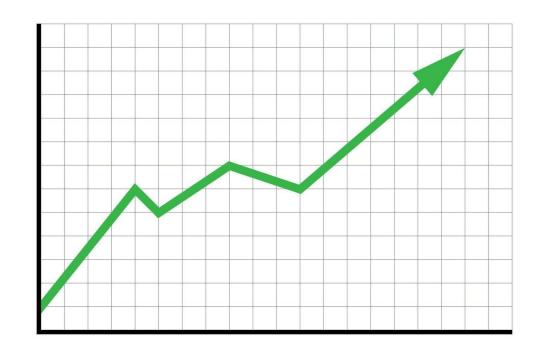


Why should I care?

- Based on the demographic question you ask, the size of your groups and your understanding of those groups might significantly change
- You aren't getting Multiracial people placed into different demographic groups at random
 - Certain types of Multiracial people may be over- or underrepresented in different groups, potentially introducing bias into whatever you are measuring

Why should I care?

- Particularly problematic if you are interested in comparing groups by race/ethnicity
- Multiracial people are the fastest growing group in the U.S and Canada, meaning this problem will increase in magnitude across time as there are more and more Multiracial people



Understanding of Groups may change (Facente et al., 2022)

- Small sample of MSM with HIV from a community sample in San Francisco
 - Focus on HIV-related stigma
- Looked at different ways of racial categorization
 - Multiracial category from people with 2+ races
 - Other put MR people in 'other' category
 - Hypodescent put MR people in their 'lowest' racial category

| "Multiracial" model | |
|------------------------|-----|
| Asian/Pacific Islander | 36 |
| Black/African American | 48 |
| Hispanic/Latinx | 142 |
| White | 258 |
| Other | 15 |
| Multiple | 42 |
| "Othering" model | |
| Asian/Pacific Islander | 36 |
| Black/African American | 48 |
| Hispanic/Latinx | 142 |
| White | 258 |
| Other | 57 |
| "Hypodescent" model | |
| Asian/Pacific Islander | 46 |
| Black/African American | 61 |
| Hispanic/Latinx | 154 |
| White | 258 |
| Other | 22 |

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| "Othering" model | |
| Asian/Pacific Islander | 36 |
| Black/African American | 48 |
| Hispanic/Latinx | 142 |
| White | 258 |
| Other category more than | 57 |
| "Hypodescent" model triples | |
| Asian/Pacific Islander Several | 46 |
| Black/African American groups | 61 |
| Hispanic/Latinx increase | 154 |
| White – biggest increase | 258 |
| Other is 'Black' | 22 |

Understanding of Groups may change - <u>Impact on</u> <u>Point Estimates</u> (Facente et al., 2022)

| Catagony | | Multiracial Mode | el ^a | Othering Model ^b | | | ı | Hypodescent Model ^c | | |
|---------------------------|--------|------------------|-----------------|-----------------------------|---------------|---------|--------|--------------------------------|---------|--|
| Category | RD | 95% CI | P Value | RD | 95% CI | P Value | RD | 95% CI | P Value | |
| Race | | | | | | | | | | |
| Asian/Pacific Islander | -0.018 | -0.306, 0.270 | 0.904 | -0.018 | -0.306, 0.269 | 0.902 | -0.018 | -0.280, 0.244 | 0.893 | |
| Black/African American | -0.016 | -0.279, 0.247 | 0.905 | -0.016 | -0.279, 0.246 | 0.902 | 0.058 | -0.180, 0.297 | 0.631 | |
| Hispanic/Latinx | -0.141 | -0.321, 0.039 | 0.126 | -0.141 | -0.320, 0.039 | 0.126 | -0.110 | -0.286, 0.067 | 0.223 | |
| White | 0 | Referent | | 0 | Referent | | 0 | Referent | | |
| Multiple | 0.213 | -0.057, 0.482 | 0.123 | | | | | | | |
| Other | 0.149 | -0.267, 0.564 | 0.484 | 0.195 | -0.043, 0.433 | 0.108 | 0.179 | -0.169, 0.527 | 0.313 | |

- ► Too small for significant (p<.05) differences look at point estimates
- Positive (.213) Multiracial v White group difference obscured in othering & hypodescent models

Understanding of Groups may change - <u>Impact on</u> <u>Point Estimates</u> (Facente et al., 2022)

| Category | Multiracial Model ^a | | | Othering Model ^b | | | Hypodescent Model ^c | | |
|---------------------------|--------------------------------|---------------|---------|-----------------------------|---------------|---------|--------------------------------|---------------|---------|
| | RD | 95% CI | P Value | RD | 95% CI | P Value | RD | 95% CI | P Value |
| Race | | | | | | | | | |
| Asian/Pacific Islander | -0.018 | -0.306, 0.270 | 0.904 | -0.018 | -0.306, 0.269 | 0.902 | -0.018 | -0.280, 0.244 | 0.893 |
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| White | 0 | Referent | | 0 | Referent | | 0 | Referent | |
| Multiple | 0.213 | -0.057, 0.482 | 0.123 | | | | | | |
| Other | 0.149 | -0.267, 0.564 | 0.484 | 0.195 | -0.043, 0.433 | 0.108 | 0.179 | -0.169, 0.527 | 0.313 |

Moderately unstable estimate for 'other' group depending on the model

Understanding of Groups may change - <u>Impact on</u> <u>Point Estimates</u> (Facente et al., 2022)

| Category | Multiracial Model ^a | | | Othering Model ^b | | | Hypodescent Model ^c | | |
|---------------------------|--------------------------------|---------------|---------|-----------------------------|---------------|---------|--------------------------------|---------------|---------|
| | RD | 95% CI | P Value | RD | 95% CI | P Value | RD | 95% CI | P Value |
| Race | | | | | | | | | |
| Asian/Pacific Islander | -0.018 | -0.306, 0.270 | 0.904 | -0.018 | -0.306, 0.269 | 0.902 | -0.018 | -0.280, 0.244 | 0.893 |
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Negative (-.016) point estimate for Black participants in Multiracial/Othering model becomes positive in hypodescent model when including Black Multiracial people



1. DON'T Restrict people's ability to self-identify as Multiracial

- Limits Multiracial people's ability to assert their identity in research, on forms, to government agencies, etc.
- ► Has implications for:
 - ► Identity & sense of belonging
 - Self-esteem and motivation
 - Could add stuff from Atkin & Minnear here as bullet point or whole slide digging into this more



1. DON'T Restrict people's ability to self-identify as Multiracial

Not classifying Multiracial people as their own racial/ethnic group limits our ability to identify health disparities

Emerging research shows that, relative to White and other monoracial groups, Multiracial populations are at increased risk of:

- Poor sleep outcomes (duration, quality, etc.)
- Negative Mental health problems (including depression, anxiety)
- Suicidality
- Lower well-being (e.g., lower self-esteem & life satisfaction)
- Higher substance use

(Chavez & Sanchez, 2010; Chen et al., 2019; Choi et al., 2006; Henson-Garcia et al., 2024; Goodhines et al., 2020; Miller et al., 2019; Senger-Carpenter et al., 2025)

1. DON'T Restrict people's ability to self-identify as Multiracial

Not classifying Multiracial people as their own racial/ethnic group limits our ability to identify health disparities

If you don't allow Multiracial people to be their own group, you can't identify disparities then can't direct attention & resources towards supporting the population



2. DO tailor your demographic questionnaires to your research question

2. DO tailor your demographic questionnaires to your research question

- ▶ Be intentional about the demographic data you collect
- ▶ If possible, asking about race/ethnicity in multiple ways can't hurt
- ▶ If not an option, which conceptualization best fits your aims?
- Interested in parenting processes?
 - ► Maybe it matters that one parent is White and one parent is Asian → consider using parental race question to group participants
- For other questions, maybe self-identified race, or even phenotype or 'street race' (see work of Nancy Lopez) is most appropriate

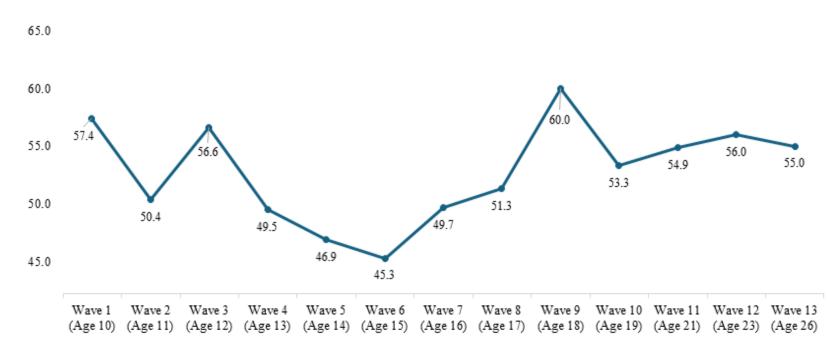
3. If assessing people at multiple time points, DO ask for racial demographics at each wave

- Racial self-identification can change over time
- Example with 659 Mexicanorigin youth followed from age 10-26 (Jim et al., under review)

% identifying as Mexican

American vs. American

Self-labeling changes can have implications for / be impacted by stress, development, context, mental health, identity, etc.



In general: Be intentional!

- Avoid arbitrary decision-making
- ► Tailor your choice to your question
- Justify your intentionally-made decision
- Understand the implications of your decisions re: choosing demographic questions



Conclusions

- Multiracial people are a rapidly growing, highly heterogenous group often excluded, mischaracterized, or just excluded from social science research
- The way we ask our race/ethnicity demographic questions has a large impact on our ability to identify Multiracial people & characterize their experiences
 - Big implications for sample sizes and any group comparisons
- No universal 'best practice,' but being intentional and justifying decisions can help researchers better characterize this unique group



Thanks so much!

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