

The Health of Multiracial Adults:

Considering neighborhood context

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Thank you

We gratefully acknowledge the staff at the National Center for Health Statistics Research Data Center in Hyattsville, MD for their assistance and support with the restricted-use data used in this project.

We also thank Dr. Mark Fossett and his team for their creation of the geographic database.

Why do we need the RDC to study multiracial health?



Understanding privilege

- Higher SES among specific sub-groups, and more integrated social connections
- Higher levels of neighborhood integration



... and disadvantage

- Poor self-rated health occurs among specific sub-groups, especially White/Am. Indian and Black/American Indian

Research Questions

1. How do multiracial groups compare to single-race groups on self-rated health?
2. How much of the difference from their component groups reflects variation in family and neighborhood context?

Data and Sample

National Health Interview Survey (NHIS Restricted)

- Pooled sample of 2001 - 2011 waves
- Person and Household File
- Restricted detailed race person file (TX-FSRDC)

2000-2010 U.S. Census & ACS

- Tract- and CBSA-level data

Sample Selection Criteria (n=572,864)

- Age 19+
- Living in a core based statistical area (CBSA)
- Race provided in person (imputed cases dropped)
- Survey response not in Spanish

Approach

Clustered Logistic Regression Models

- Comparison of multiracial groups vs. component groups
- e.g., NH Black/White compared to White & Black

DV : Poor/Fair
self-rated health



Variables

Individual- and family-level

Demographic factors

- **Racial identification**, Marital/Cohabitation Status, Age, Sex, U.S. birth

Socioeconomic Status

- Education, Income, Unemployment, Health insurance

Structure of the survey

- Sample adult, 10 dummies for survey year

Tract- and CBSA-level

- **Tertiles of Racial Dissimilarity, % Minority, Index of tract disadvantage; Density**

Table 1. Distribution by race/ethnic categories

	<u>%</u>	<u>unweighted N</u>
Single-race		572,864
White, non-Latino/a	74.00	376,227
Black, non-Latino/a	12.49	90,497
Latino/a, single race	6.88	66,427
Asian/Pacific Islander, non-Latino/a	4.98	36,965
American Indian, non-Latino/a	0.50	2,667
Other race, non-Latino/a	0.01	81
Multiracial		7,438
Black-White, non-Latino/a	0.14	999
American Indian-White, non-Latino/a	0.46	2,499
Asian-White, non-Latino/a	0.16	1,091
Black-American Indian, non-Latino/a	0.09	671
Latino/a and multiple races	0.11	990
Other multiracial, non-Latino/a	0.17	1,188

Table 2. Patterns of Self-Rated Health by racial identificaton

	<u>Proportion Poor Fair/Health</u>
Black	0.17
Black-White	0.12
White	0.11
American Indian-White	0.21
American Indian	0.19
White	0.11
White	0.11
Asian	0.09
Asian-White	0.05
Black-American Indian	0.26
American Indian	0.19
Black	0.17

Adjusted for complex design effects

Area-level differences

Table 3. Tract Level Characteristics for neighborhoods of Single Race and Multiple Race Adults

Race/Ethnic background	% Poor	% Unemployed	% Black	% Latino/a	W/B Dissimilarity
Black	0.17	0.12	0.46	0.12	61
Black-White	0.13	0.09	0.18	0.13	57
White	0.08	0.07	0.07	0.09	55
American Indian	0.15	0.10	0.09	0.12	46
American Indian-White	0.11	0.08	0.07	0.10	51
White	0.08	0.07	0.07	0.09	55
Asian	0.09	0.07	0.08	0.17	57
Asian-White	0.08	0.07	0.08	0.12	51
White	0.08	0.07	0.07	0.09	55
Black	0.17	0.12	0.46	0.12	61
Black-American Indian	0.16	0.11	0.34	0.13	59
American Indian	0.15	0.10	0.09	0.12	46
Sample Means	0.10	0.08	0.12	0.14	56

Logit of Poor/Fair Health (ref=White)

Individual characteristics

Black-White	0.812 *	0.440 *	0.371 *
	0.112	0.108	0.108
Black	0.747 *	0.336 *	0.159 *
	0.037	0.027	0.025

Couple characteristics

White spouse or partner	-0.152 *	-0.140 *
	0.023	0.024
No partner	-0.126 *	-0.125 *
	0.020	0.020
Cohabiting	0.121 *	0.106 *
	0.028	0.028

Tract and CBSA characteristics

Disadv Scale>.18	0.297 *
	0.021
% Black>.089	0.124 *
	0.023
Density>5200	-0.053 *
	0.024
White/Black Dissim>63.8	-0.061 *
	0.027

Observations 451,388

Logit of Poor/Fair Health (ref=White)

Individual characteristics

Asian-White	-0.188 0.176	-0.136 0.171	-0.119 0.171
Asian/Pacific Islander	-0.081 0.042	-0.139 * 0.049	-0.121 * 0.053

Couple characteristics

White spouse or partner		-0.207 * 0.028	-0.201 * 0.028
No partner		-0.172 * 0.028	-0.167 * 0.027
Cohabiting		0.156 * 0.034	0.141 * 0.034

Tract and CBSA characteristics

Disadv Scale>.18			0.344 * 0.022
Density>5200			-0.045 0.023
% Asian>.032			-0.102 * 0.021
White/Asian Dissim>44.4			0.011 0.026

Observations			400,923
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Logit of Poor/Fair Health (ref=White)

Individual characteristics

American Indian-White	0.918 *	0.618 *	0.568 *
	0.063	0.059	0.058
American Indian	0.897 *	0.450 *	0.336 *
	0.071	0.067	0.074

Couple characteristics

White spouse or partner	-0.212 *	-0.191 *
	0.031	0.031
No partner	-0.194 *	-0.179 *
	0.030	0.030
Cohabiting	0.124 *	0.106 *
	0.033	0.033

Tract and CBSA characteristics

Disadv Scale>.18	0.337 *
	0.023
Density>5200	-0.059 *
	0.025
% AmInd>.003	0.078 *
	0.019
White/Black Dissim>63.8	-0.057 *
	0.027

Observations	369,737
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Logit of Poor/Fair Health (ref=Black)

Individual characteristics

Black-American Indian	0.466 *	0.519 *	0.529 *
	0.105	0.099	0.100
American Indian	0.169 *	0.206 *	0.231 *
	0.080	0.074	0.082

Couple characteristics

Black spouse or partner	0.106 *	0.088
	0.053	0.052
No partner	0.015	-0.005
	0.049	0.049
Cohabiting	0.060	0.051
	0.052	0.052

Tract and CBSA characteristics

Disadv Scale>.18	0.166 *
	0.030
% Black>.089	0.045
	0.041
Density>5200	-0.017
	0.035
% Amlnd>.003	0.030
	0.038
White/Black Dissim>63.8	-0.015
	0.053
Observations	88,927

Conclusion

SRH of multiracial groups do not merely reflect either group

Individuals with a partner of color generally report worse health than those with a White partner or no partner

Neighborhood contexts are important but do not explain health advantages or disadvantages of multiracial groups