

State-Level Analysis of Living Arrangements of Grandparents and Grandchildren and Excess Mortality Early in the COVID-19 Pandemic

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Introduction

- The population of the United States is aging
 - Compared to proportions in general population:
 - Underrepresentation of all racial and ethnic groups other than non-Hispanic White
 - Overrepresentation of non-Hispanic White group
 - *He, Goodkind, and Kowal 2016; Carr 2019; Ellis and Simmons 2014*
- Trends in grandparent/grandchild co-residence vary by racial and ethnic group and by geographic location in the United States
 - *Roberts et al. 2018; Ellis and Simmons 2014*

Data and Methods

- Data
 - 2019 and 2021 American Community Survey, 1-year estimates
 - Centers for Disease Control and Prevention COVID-19 Excess Deaths Associated with COVID-19
- Methods
 - State-level OLS regression models
 - Dependent variables (percentage-point change from 2019 to 2021):
 - Grandparents living with grandchildren
 - Grandparents responsible for grandchildren
 - Grandparents responsible for grandchildren for <1 year
 - Independent variable: percent excess mortality from week ending on April 4, 2020 through the week ending on June 31, 2021
 - Separate models by race and Hispanic origin

Summary of Descriptive Statistics

- **LOWER IN 2021 COMPARED TO 2005:**

- ↓ % of **grandparents living with grandchildren <18** for all racial/ethnic groups **except** non-Hispanic White

- ↓ % of **coresident grandparents responsible for their grandchildren <18** for all racial/ethnic groups

- ↓ % of **grandparents responsible for coresident grandchildren <18 for less than 1 year** for all racial/ethnic groups **except** non-Hispanic Asian grandparents

OLS Regression Results

Dependent Variable (all are the percentage-point change from 2019 to 2021).	Results
Grandparents living with grandchildren	<ul style="list-style-type: none"> • Percent excess mortality was not significant for any group. • Negative association for percentage of households in poverty for all coresident grandparents and Non-Hispanic Black grandparents (marginally significant).
Grandparents responsible for grandchildren	<ul style="list-style-type: none"> • Negative association for percent excess mortality for Hispanic grandparents. • Positive association for percentage of households in poverty and percent employed in essential occupations (marginally significant) for Hispanic grandparents.
Grandparents responsible for grandchildren for less than 1 year	<ul style="list-style-type: none"> • Positive association for percent excess mortality for Hispanic grandparents. • Positive association for households in poverty for Hispanic grandparents.

Thank you!

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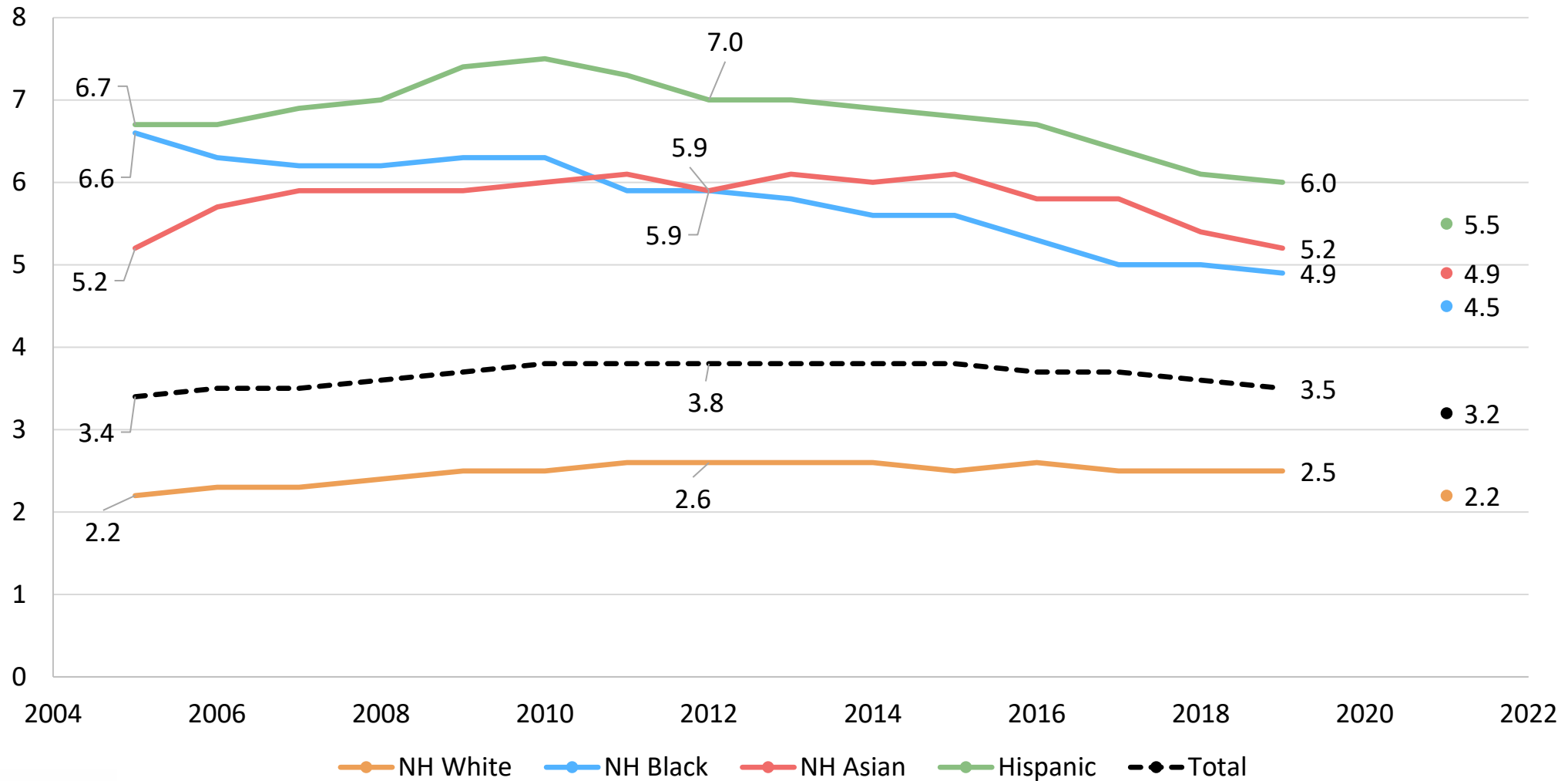


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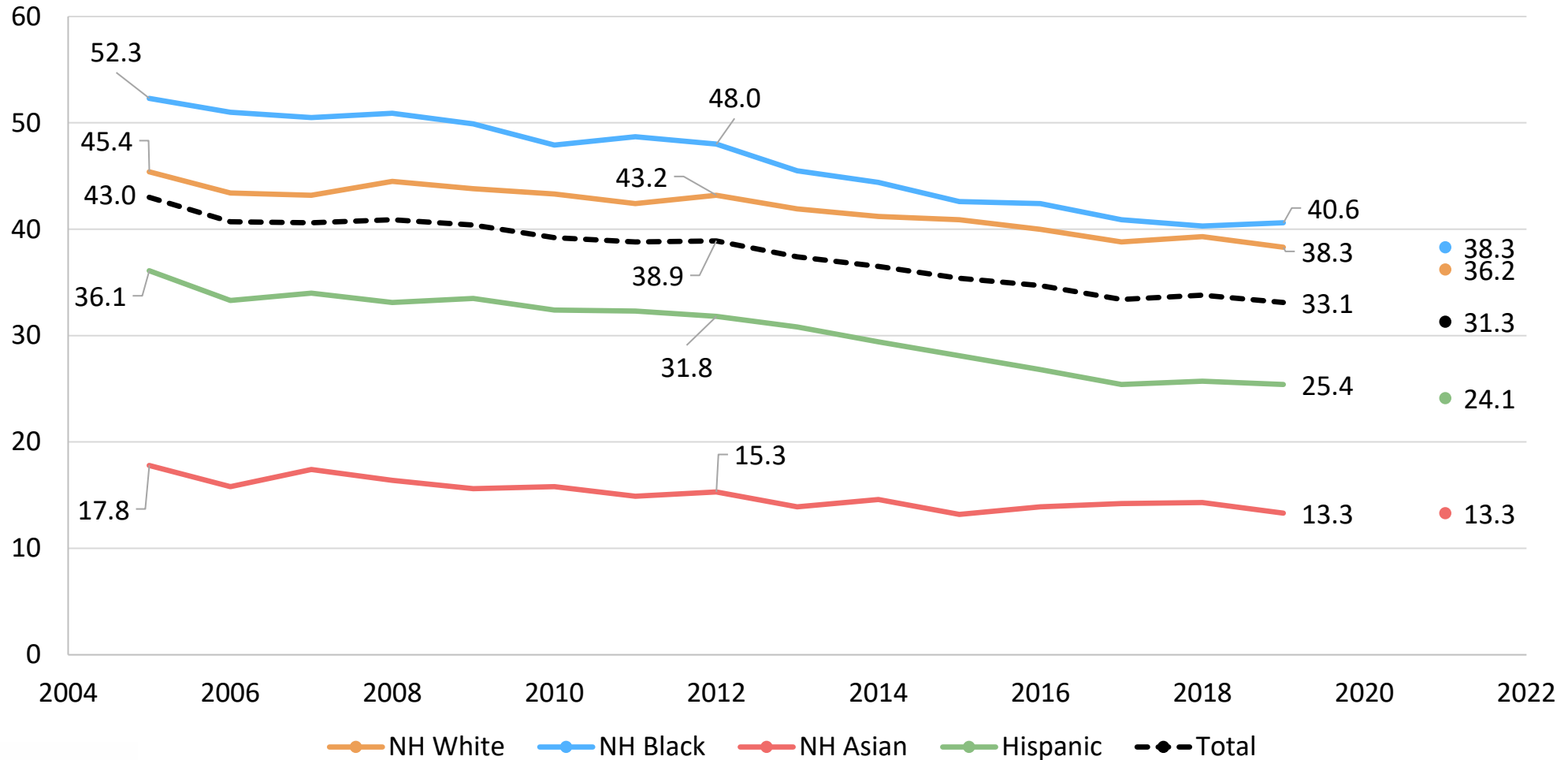
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Percentage of Adults Aged 30 and Over Living with Grandchildren Under 18 by Race and Hispanic Origin: 2005-2021

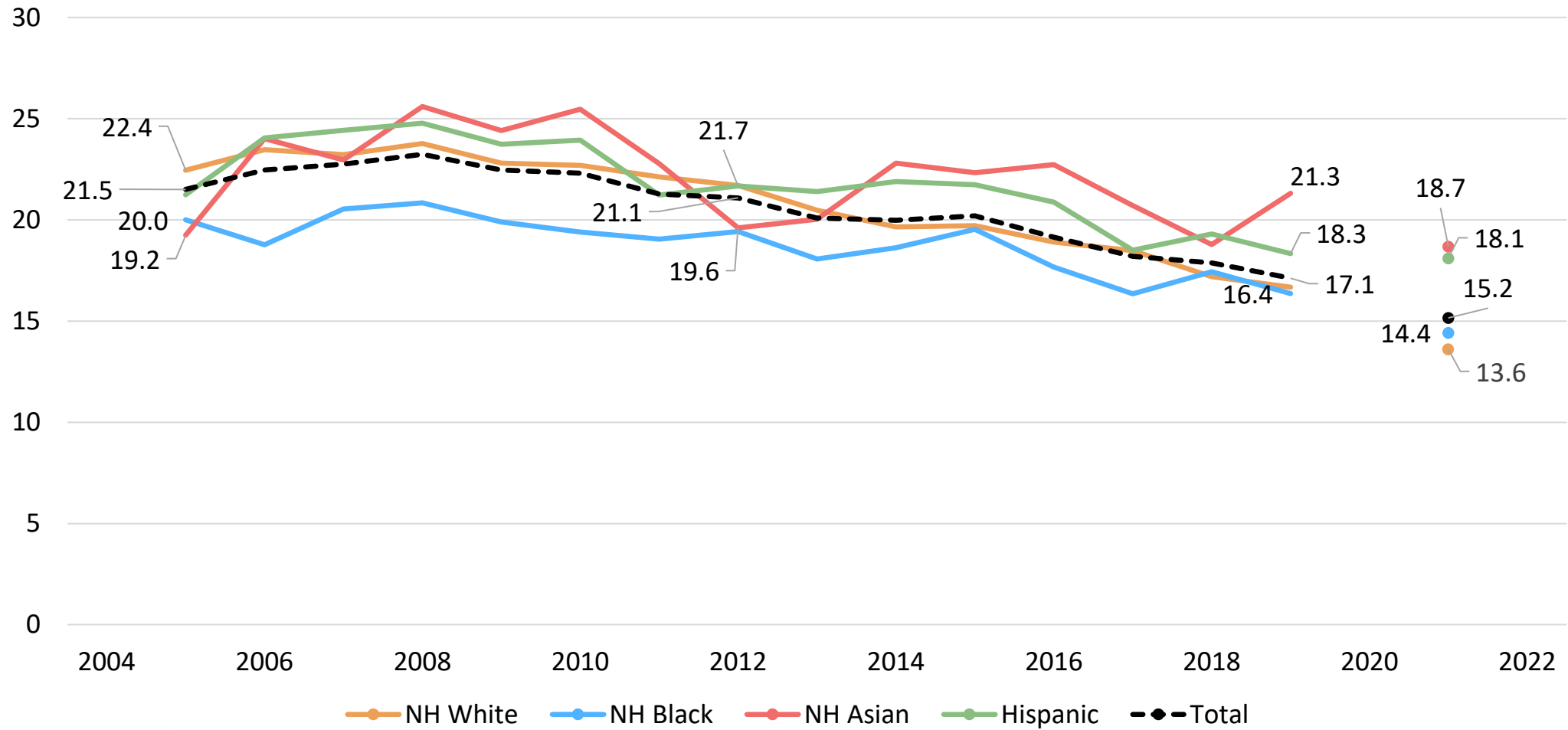


Percentage of Grandparents Who Are Responsible for Their Coresident Grandchildren Under 18 by Race and Hispanic Origin: 2005-2021



Source: U.S. Census Bureau, 2005-2019 and 2021 American Community Survey, 1-year estimates.
 Note: As a result of disruptions to data collection stemming from the COVID-19 pandemic, the standard 2020 American Community Survey (ACS) 1-year estimates [were not released](#).

Percentage of Coresident Grandparents Responsible for Their Grandchildren Under 18 for Less than One Year by Race and Hispanic Origin: 2005 - 2021



Source: U.S. Census Bureau, 2005-2019 and 2021 American Community Survey, 1-year estimates.

Note: As a result of disruptions to data collection stemming from the COVID-19 pandemic, the standard 2020 American Community Survey (ACS) 1-year estimates [were not released](#).