Supplementary Online Content

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**eTable 1.** Hazards Ratios of the Effects of Wealth, Income, and Educational Attainment on Mortality for Middle-Aged US Adults Derived From Cox Proportional Hazards Models (1992-2018)

**eTable 2.** Median Life Expectancy of Black and White HRS Participants and Projected Life Expectancy of Black Participants After Reparations Payments, Using Coefficients From Models Constructed Using Only Black Participants

**eFigure 1.** Relationship Between Life Expectancy and Wealth Among HRS Participants (1992-2018)

**eFigure 2.** Wealth Distribution for Black and White HRS Participants (1992-2018) and Simulated Wealth Distribution After Reparations Payments to Black Participants

This supplementary material has been provided by the authors to give readers additional information about their work.
%Table 1. Hazards Ratios of the Effects of Wealth, Income, and Educational Attainment on Mortality for Middle-Aged US Adults Derived From Cox Proportional Hazards Models (1992-2018)

| Variable                        | No SES variables (P value) | Income (P value) | Education (P value) | Wealth (P value) | Wealth, income, and education (P value) |
|---------------------------------|-----------------------------|------------------|---------------------|------------------|----------------------------------------|
| Male (vs. female)               | 1.54 (<0.001)               | 1.61 (<0.001)    | 1.56 (<0.001)       | 1.54 (<0.001)    | 1.57 (<0.001)                          |
| Married or partnered (vs. unpartnered) | 0.74 (<0.001) | 0.95 (0.03)    | 0.77 (<0.001)       | 0.92 (0.004)     | 0.99 (0.77)                            |
| Number of household residents   | 1.02 (0.15)                 | 1.01 (0.24)      | 1.01 (0.39)         | 1.00 (0.93)      | 1.00 (0.75)                            |
| Black (vs. White)               | 1.26 (<0.001)               | 1.10 (0.003)     | 1.14 (<0.001)       | 1.02 (0.55)      | 0.99 (0.71)                            |
| Wealth decile (vs. first decile, < $1,234) |                     |                  |                     |                  |                                        |
| 2 ($1,234-24,437)               |                             |                  |                     |                  |                                        |
| 3 ($24,438-65,006)              |                             |                  |                     |                  |                                        |
| 4 ($65,007-116,068)             |                             |                  |                     |                  |                                        |
| 5 ($116,069-182,538)            |                             |                  |                     |                  |                                        |
| 6 ($182,859-273,594)            |                             |                  |                     |                  |                                        |
| 7 ($273,595-409,042)            |                             |                  |                     |                  |                                        |
| 8 ($409,043-635,181)            |                             |                  |                     |                  |                                        |
| 9 ($635,182-1,861,188)          |                             |                  |                     |                  |                                        |
| 10 (≥ $1,861,189)               |                             |                  |                     |                  |                                        |
| Income decile (vs. first decile, < $12,034) |                     |                  |                     |                  |                                        |
| 2 ($12,034-18,974)              |                             |                  |                     |                  |                                        |
| 3 ($18,975-26,956)              |                             |                  |                     |                  |                                        |
| 4 ($26,057-35,913)              |                             |                  |                     |                  |                                        |
| 5 ($35,914-46,492)              |                             |                  |                     |                  |                                        |
| 6 ($46,493-59,831)              |                             |                  |                     |                  |                                        |
| 7 ($59,832-77,795)              |                             |                  |                     |                  |                                        |
| 8 ($77,796-104,632)             |                             |                  |                     |                  |                                        |
| 9 ($104,633-156,934)            |                             |                  |                     |                  |                                        |
| 10 (≥ $156,935)                 |                             |                  |                     |                  |                                        |
| Education level (vs. less than HS diploma) |                     |                  |                     |                  |                                        |
| GED or HS diploma               | 0.79 (<0.001)               |                  |                     |                  | 0.94 (0.03)                            |
| Some college                    | 0.72 (<0.001)               |                  |                     |                  | 0.94 (0.39)                            |
| Bachelor’s degree               | 0.58 (<0.001)               |                  |                     |                  | 0.78 (<0.001)                          |
| Graduate degree                 | 0.51 (<0.001)               |                  |                     |                  | 0.75 (<0.001)                          |

Note: SES = socioeconomic status. All values are calculated based on weighted populations. The 95% CIs were calculated using appropriate strata and cluster variables to account for the Health and Retirement Study’s complex design. All models account for left-truncation of the data.

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**eTable 2. Median Life Expectancy of Black and White HRS Participants and Projected Life Expectancy of Black Participants After Reparations Payments, Using Coefficients From Models Constructed Using Only Black Participants**

|                          | White participants | Black HRS participants | Black HRS participants with reparations (models including all SES variables) | Black HRS participants with reparations (wealth-only models) |
|--------------------------|--------------------|------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------|
| **Median life expectancy (95% CI)** | 81.5 (81.2-81.8)   | 77.5 (77.0-78.2)       | 79.8 (78.2-81.4)                                                            | 82.1 (80.5-83.6)                                               |
| **Difference in years as compared to White participants (p-value)** | N/A                | 4 (<0.001)             | 1.7 (0.01)                                                                  | -0.6 (0.88)                                                     |
| **Percent difference in longevity gap accounted for by reparations payments** | N/A                | N/A                    | 58.3%                                                                       | 114.3%                                                          |

Note: HRS = Health and Retirement Study, SES = socioeconomic status, N/A = not applicable. Median life expectancy with reparations was predicted using the Weibull models constructed using only Black HRS participants, which account for the HRS’ complex sample design. p-values for difference in median survival calculated using the Wilcoxon signed-rank test.
eFigure 1. Relationship Between Life Expectancy and Wealth Among HRS Participants (1992-2018)

A. Median life expectancy by wealth decile

B. Adjusted hazard ratio for death by wealth decile

| Wealth Decile | Median life expectancy (years) | Adjusted hazard ratio for death (ref = decile 1) |
|---------------|-------------------------------|-----------------------------------------------|
| 1             | 78                            | 1.2                                          |
| 2             | 80                            | 1.0                                          |
| 3             | 82                            | 0.8                                          |
| 4             | 84                            | 0.6                                          |
| 5             | 86                            | 0.4                                          |
| 6             | 88                            | 0.2                                          |
| 7             | 90                            | 0.0                                          |
| 8             | 92                            | 0.0                                          |
| 9             | 94                            | 0.0                                          |
| 10            | 96                            | 0.0                                          |

Note: HRS = Health and Retirement Study. Life expectancies in Panel A are unadjusted for covariates; hazard ratios in panel B are adjusted for age at study entry, (age at study entry)^2, gender, self-reported race, number of household residents, and marital status.
**Note:** HRS = Health and Retirement Study.