

Relevance of Race and Ethnicity on Cancer Disparities in the USA: Recent Data and Lessons from the Past

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DISCLOSURE OF RELEVANT FINANCIAL RELATIONSHIP(S) WITH INELIGIBLE COMPANIES

- Nothing to disclose

REFERENCES TO OFF-LABEL USAGE(S) OF PHARMACEUTICALS OR INSTRUMENTS

- Nothing to disclose

CAUSES OF RACIAL CANCER DISPARITIES

- Structural racism, prejudice
- Healthcare access
- Socio-economic status and its associated stress
- Individual level lifestyles and behaviors (obesity, co-morbidities)
- Neighborhood context (area level wealth, education, professions)
- Genetic factors

George Floyd Murder



COVID Pandemic



Attitude

Knowledge and wisdom

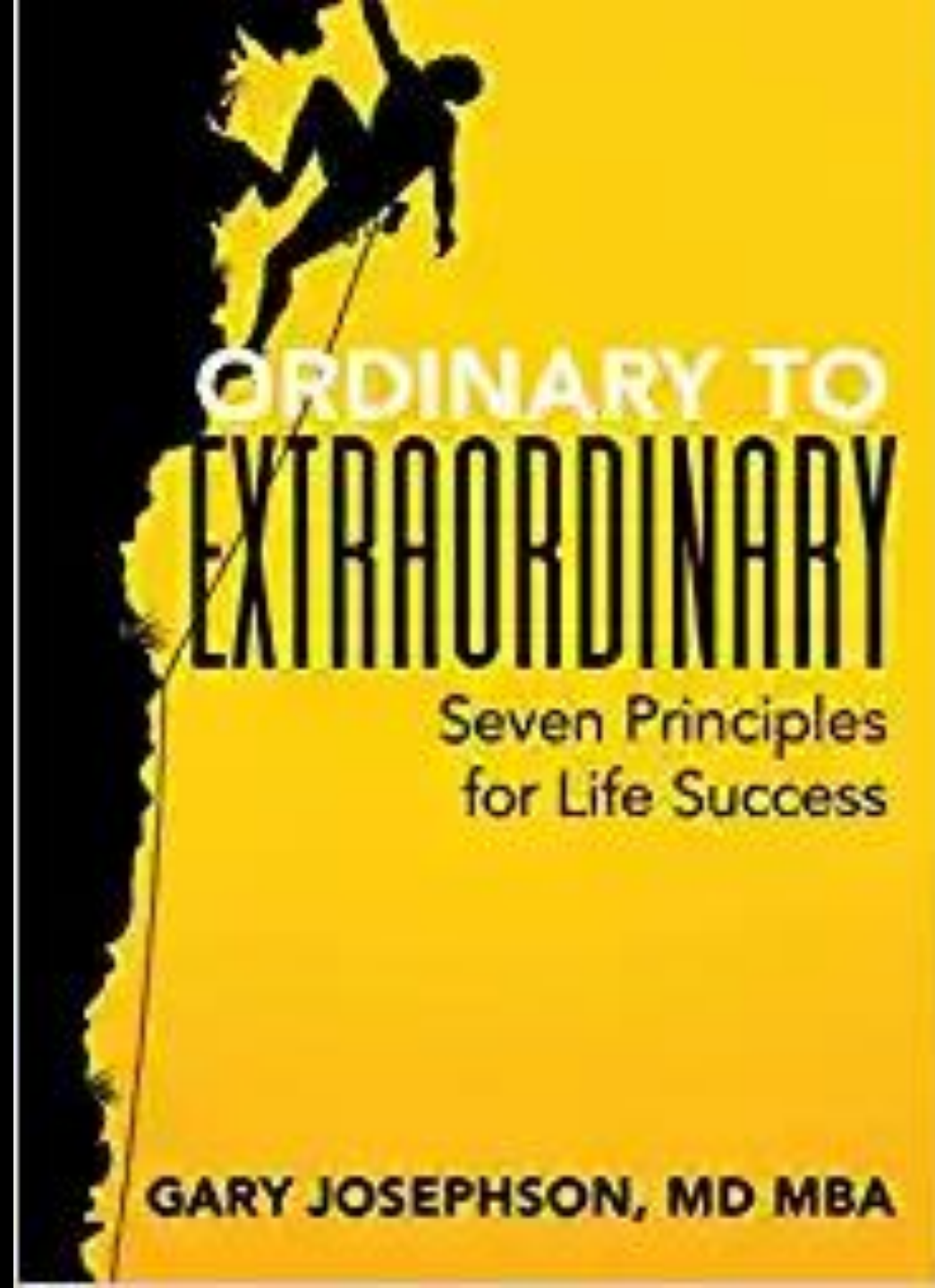
Relationships and community

Spiritual health

Personal health

Financial stability

Generosity

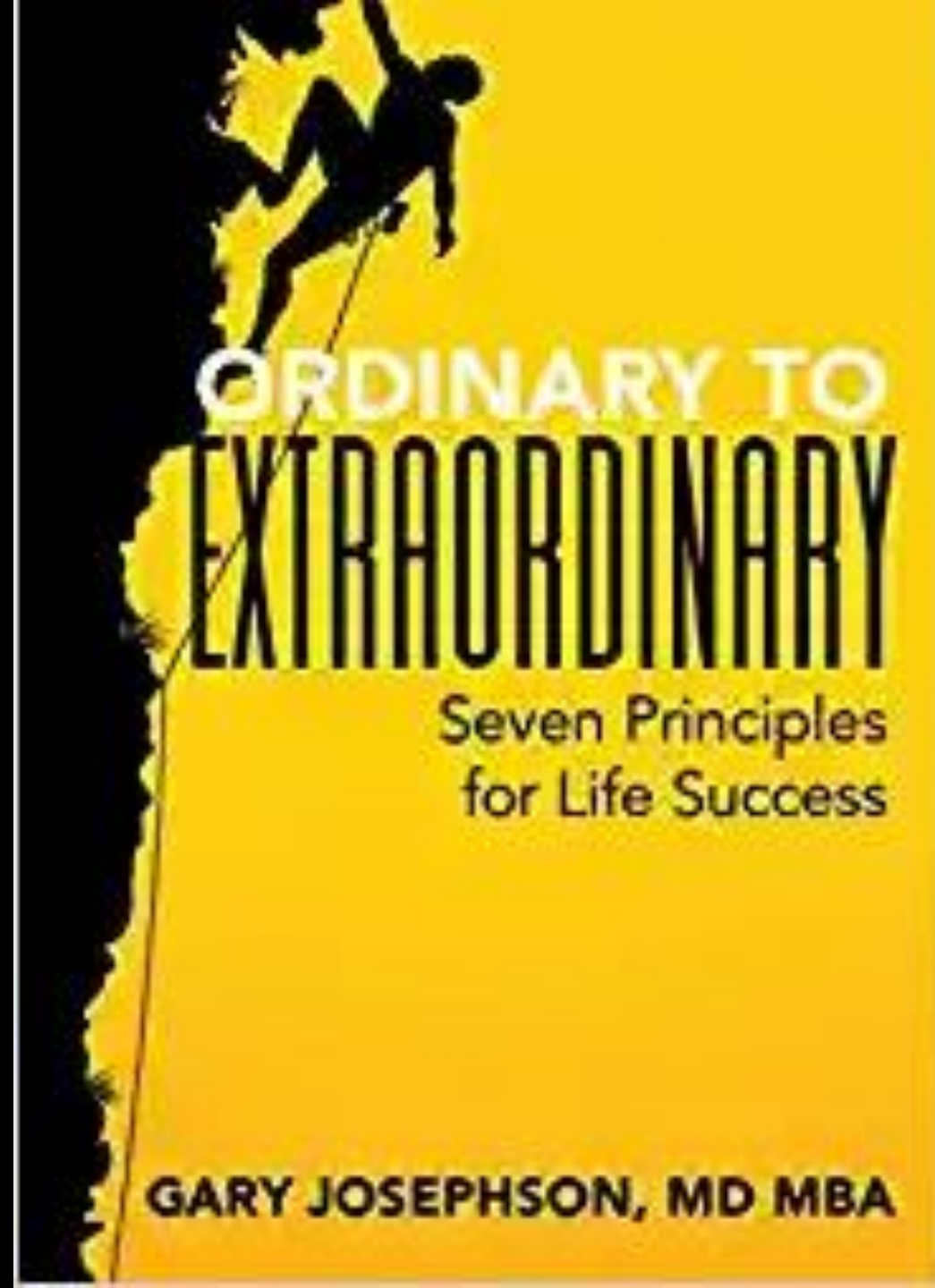


Attitude, attitude, attitude

- Attitude is a little thing that makes a big difference.

Winston Churchill 1874-1965

- Positivity always beats negativity.

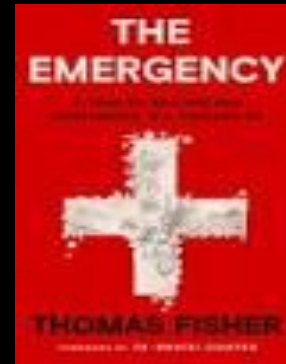
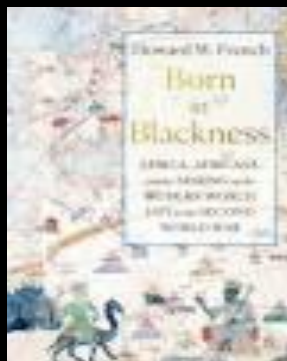
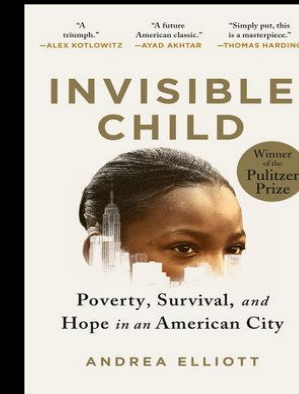
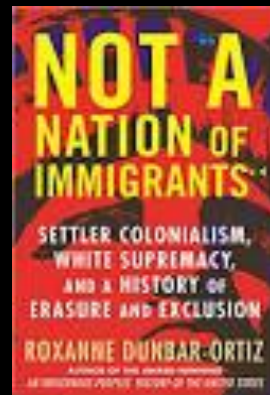


There is HOPE for the next generations!

Supreme Court Justice Ketanji Brown Jackson



KNOWLEDGE IS POWER



**REVIEW A
FORGOTTEN
STORY FROM
OVER 140 YEARS
AGO**

Jose Celso Barbosa MD
1877





Jose Celso Barbosa: Letter from NY College of Physicians and Surgeons (Columbia) 1877

DEAR SIR, – At a faculty meeting held last night it was decided not to receive students of color. I report that under this resolution Mr. Barbosa will be unable to matriculate here.

Very truly yours,

John G. Curtis.

Jose Celso
Barbosa,
1877-
University of
Michigan

- “We have no hesitancy in saying that Mr. Barbosa will have the right hand of fellowship extended to him from every side...young gentlemen of sufficient ability are admitted on equal footing irrespective of complexion. It not being the amount of pigment matter deposited in the skin that is sought after; but the quantity and quality of the brains in the cranium.”



History of University of Michigan Medicine
http://um2017.org/History_of_Medicine_1.html

- “In 1880 the candidate who received the highest number of votes, fifty-one out of a possible fifty-six, and thus graduated at the head of his class was Dr. José Celso Barbosa of San Juan, Puerto Rico, the first student to come to the University from that island. One of the youngest graduates was Dr. William J. Mayo, who lacked one day of being twenty-two at the time of his graduation in 1883.”



Accomplishments

- Service as an excellent physician in PR: medal of honor
- Service under US appointed governors, member of the first senate under US rule
- Founder of first bilingual newspaper in PR
- Founder of the pro-statehood movement in PR
- Creator of laws establishing employer-based health insurance in PR
- Holiday in PR celebrates his birthdate on July 27.



Black! Black! Black! I am proud of
being a Negro. Nor have I ever tried
to beg tolerance from anyone.
Superiority is not proved by color,
but by the brain, by education, by
willpower, by moral courage.

— *Jose Celso Barbosa* —

AZ QUOTES

ARE WE FOCUSING ON WHAT REALLY MATTERS?

RACE RELATED CANCER DISPARITIES VS SES-BASED DISPARITIES

- **Prejudice is not limited to race**
- **What are our diversity goals? A society where everyone is respected and provides equal educational opportunities to all**
- **What should be our ultimate goal? Achieving health equity**
- **As a society, we need to fight for access to healthcare as a human right**
- **In our capitalist system, the medical industry (health systems, pharma, insurance companies) goals may not perfectly align with what is best for the health of our communities or individual patients.**

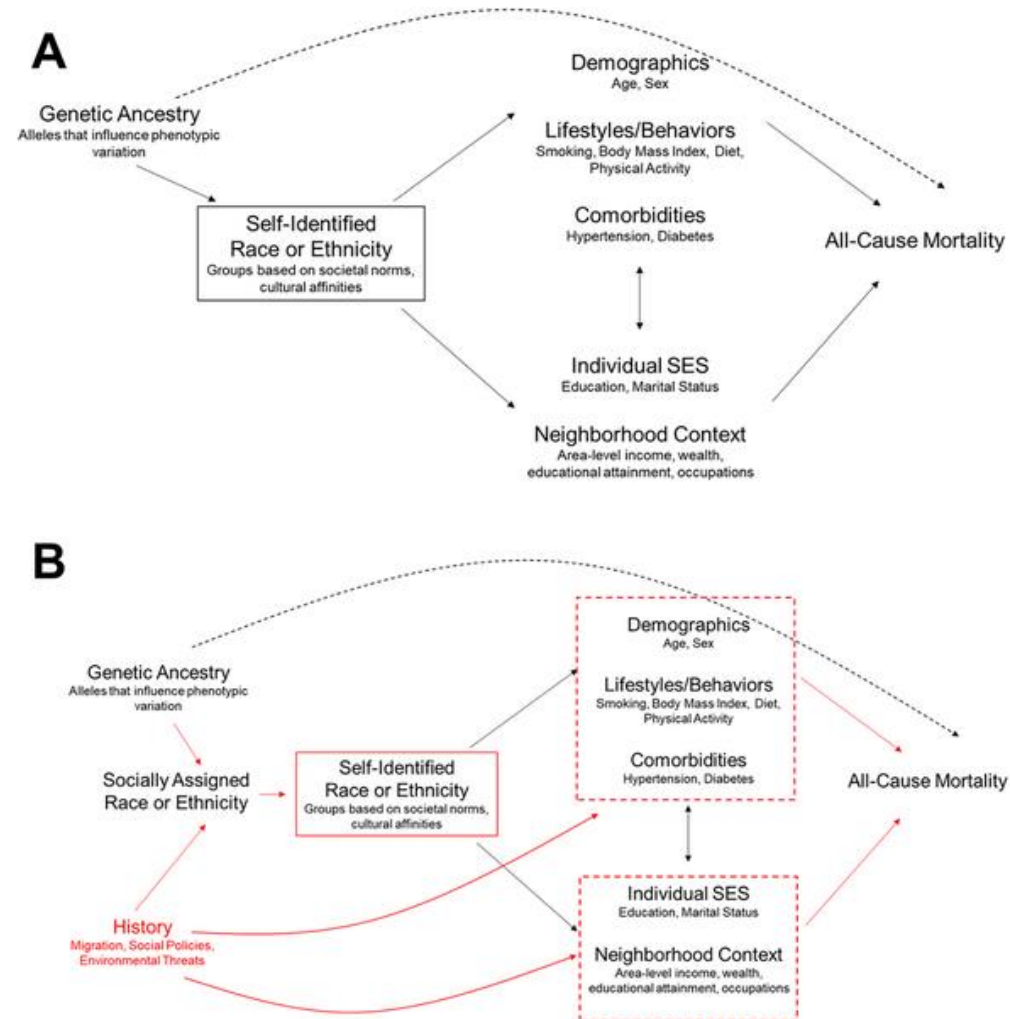
SIRE (SELF IDENTIFIED RACE AND ETHNICITY)

- **Race and ethnicity** is a multi dimensional social construct that reflects how the individual perceives themselves as well as how they are perceived by others
- **Race/ethnicity is a social construct, not a biological construct**
 - Race changes based on who is making the assignment
 - Racial health disparities vary depending on gradients of skin color
- **Genetic ancestry versus SIRE**

CAUSES OF RACIAL CANCER DISPARITIES

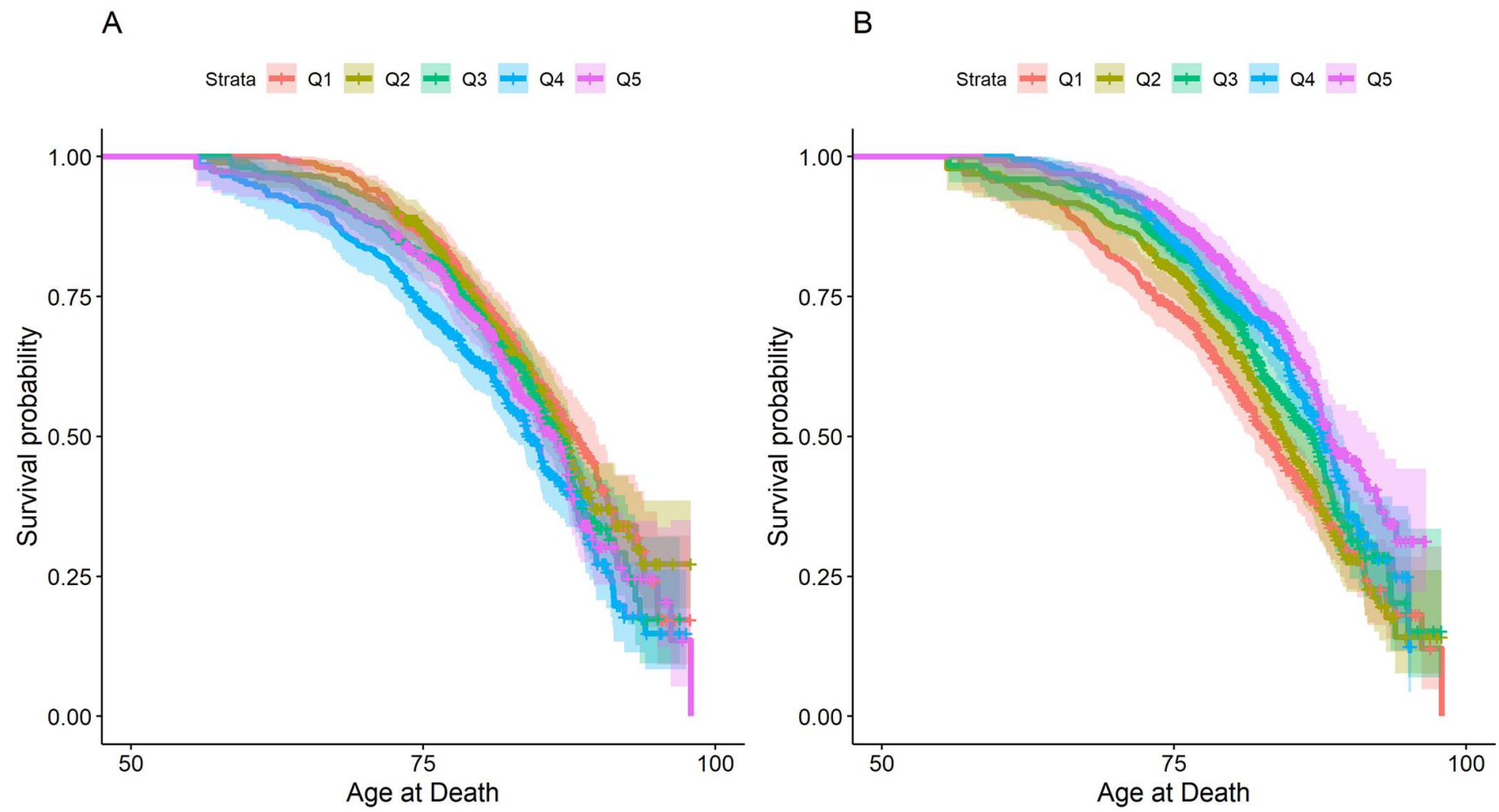
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Fig 1.



Iyer HS, Gomez SL, Cheng I, Rebbeck TR (2022) Relative impact of genetic ancestry and neighborhood socioeconomic status on all-cause mortality in self-identified African Americans. PLOS ONE 17(8): e0273735. <https://doi.org/10.1371/journal.pone.0273735>
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0273735>

RELATIVE IMPACT OF GENETIC ANCESTRY AND NEIGHBORHOOD SOCIOECONOMIC STATUS ON ALL-CAUSE MORTALITY IN SELF-IDENTIFIED AFRICAN AMERICANS
HARI S. IYER, SCARLETT LIN, GOMEZIONA CHENG, TIMOTHY R. REBBECK
PLOS 2022



Thank you for your attention

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