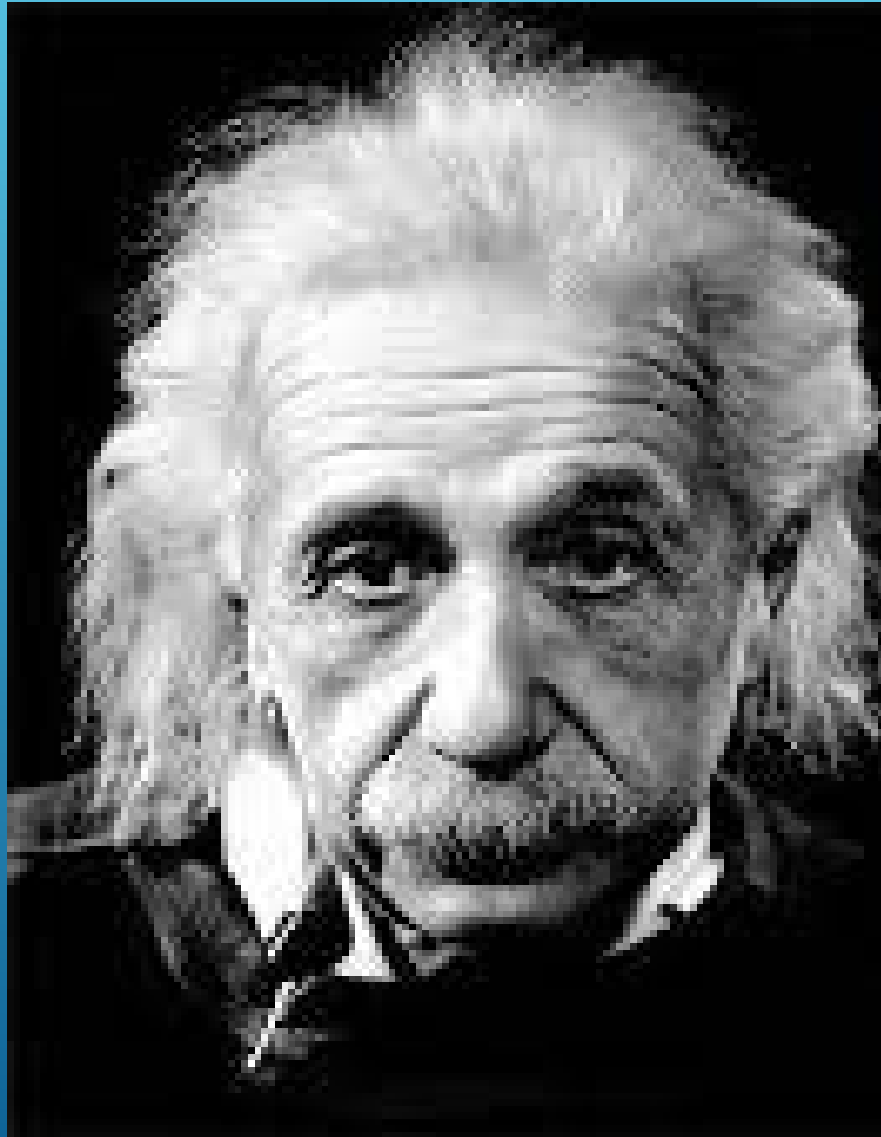


EDUCATION AND THE SOCIAL DETERMINANTS OF HEALTH

Adewale Troutman, MD, MPH, CPH





Insanity:

Doing the same thing over and over again and expecting different results.

Albert Einstein

Who is on
the bank of
the river?
And, what
are they
doing?

*“The web of
causation”*

Nancy Kreiger



SOCIAL DETERMINANTS OF HEALTH

The complex, integrated, and overlapping social structures and economic systems that are responsible for most health inequities.

A decorative graphic consisting of several parallel white lines of varying lengths, slanted upwards from left to right, located in the bottom right corner of the slide.

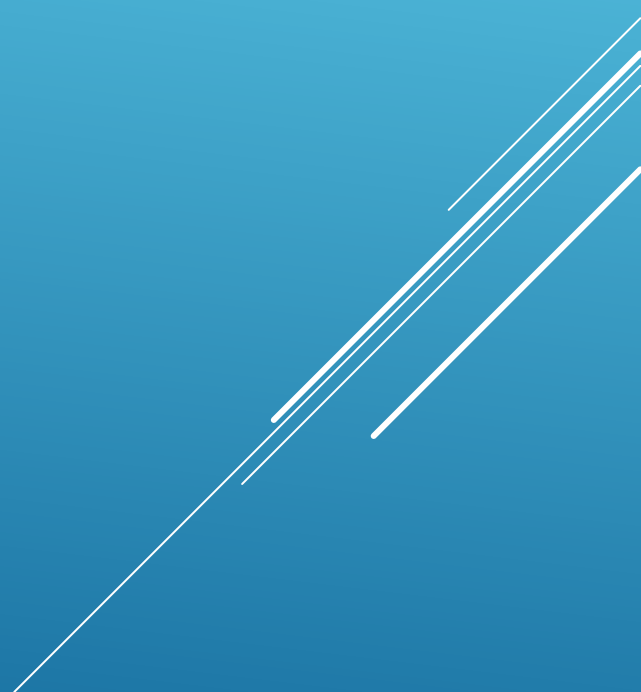
- ▶ Socioeconomic Status
 - ▶ **Education**
 - ▶ **Occupation**
 - ▶ **Income**
 - ▶ Housing- Zip code
 - ▶ Built Environment
 - ▶ Food- Security, Desert
 - ▶ Political Power
 - ▶ Racism & Discrimination
- Early Life
 - Social Exclusion
 - Work
 - Unemployment
 - Social Support
 - Addiction
 - Stress
 - Transport
 - ▶ The Social Gradient

**Dealing with the social determinants of health
may yield greater and more sustainable returns**

The Troutman Group

- ▶ Education can improve health by increasing health knowledge
- ▶ Leads to greater employment opportunities
- ▶ Linked with social and psychological factors that affect health
- ▶ PQLI experience
- ▶ “55,000 degrees”
- ▶ Kalamazoo Promise

HOW DOES EDUCATION INFLUENCE HEALTH



IN EL SALVADOR, IF MOTHERS HAD **NO EDUCATION** THEIR BABIES HAVE **100 CHANCES IN 1000** OF DYING IN THEIR FIRST YEAR OF LIFE; IF MOTHERS HAVE AT **LEAST SECONDARY EDUCATION** THE INFANT DEATH RATE IS A QUARTER OF THAT (WORLD BANK 2006)

TELL ME HOW A MAN DIED AND I'LL
TELL YOU WHERE HE LIVED
ARISTOTLE

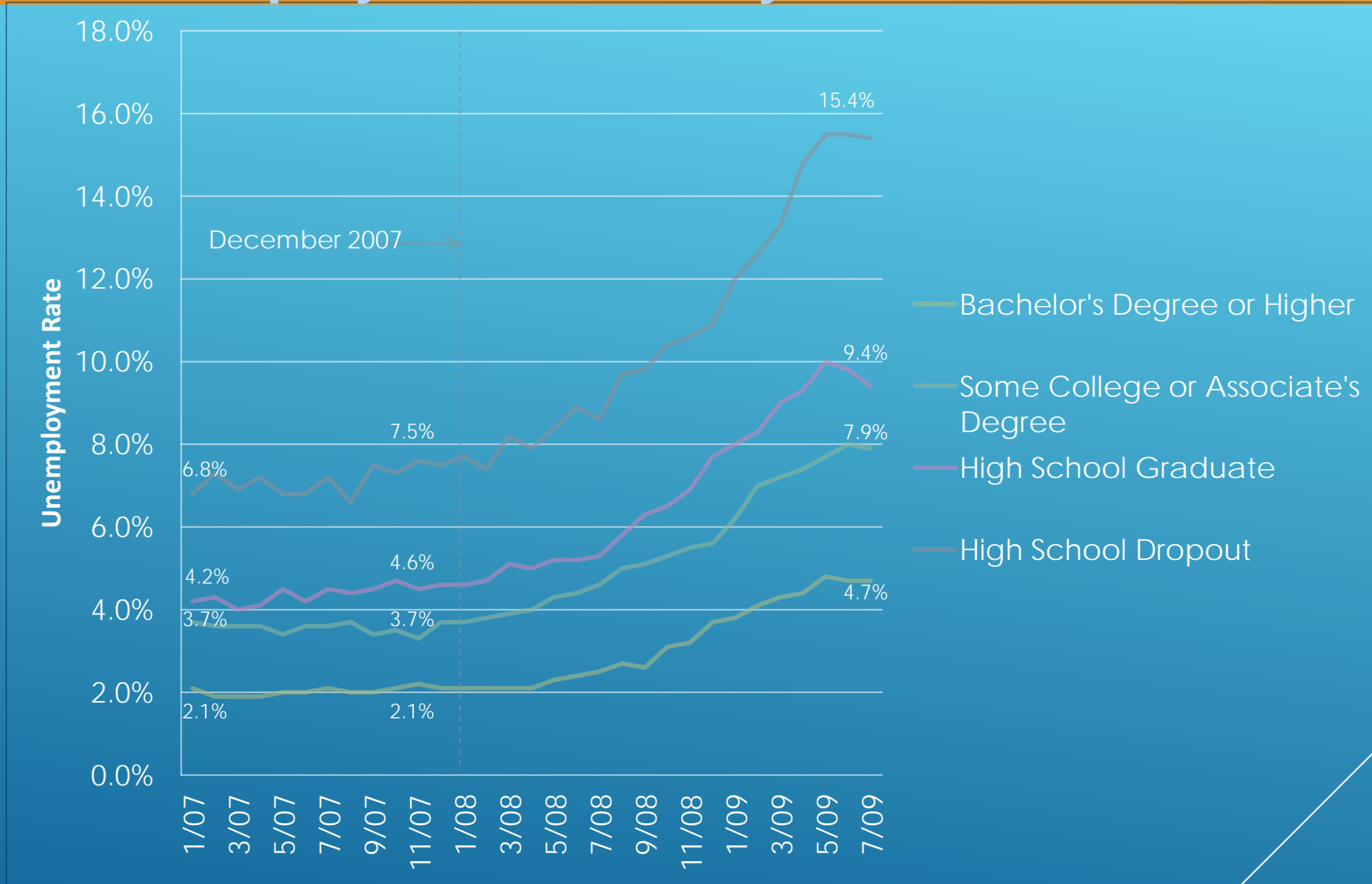
PLACE MATTERS

THE ROLE OF RESIDENTIAL
SEGREGATION;
“THE METROPOLITAN AREAS WITH THE
HIGHEST SEGREGATION LEVELS HAVE
THE MOST UNEQUAL GEOGRAPHIES OF
OPPORTUNITY”
DELORES ACEVEDO-GARCIA ET AL

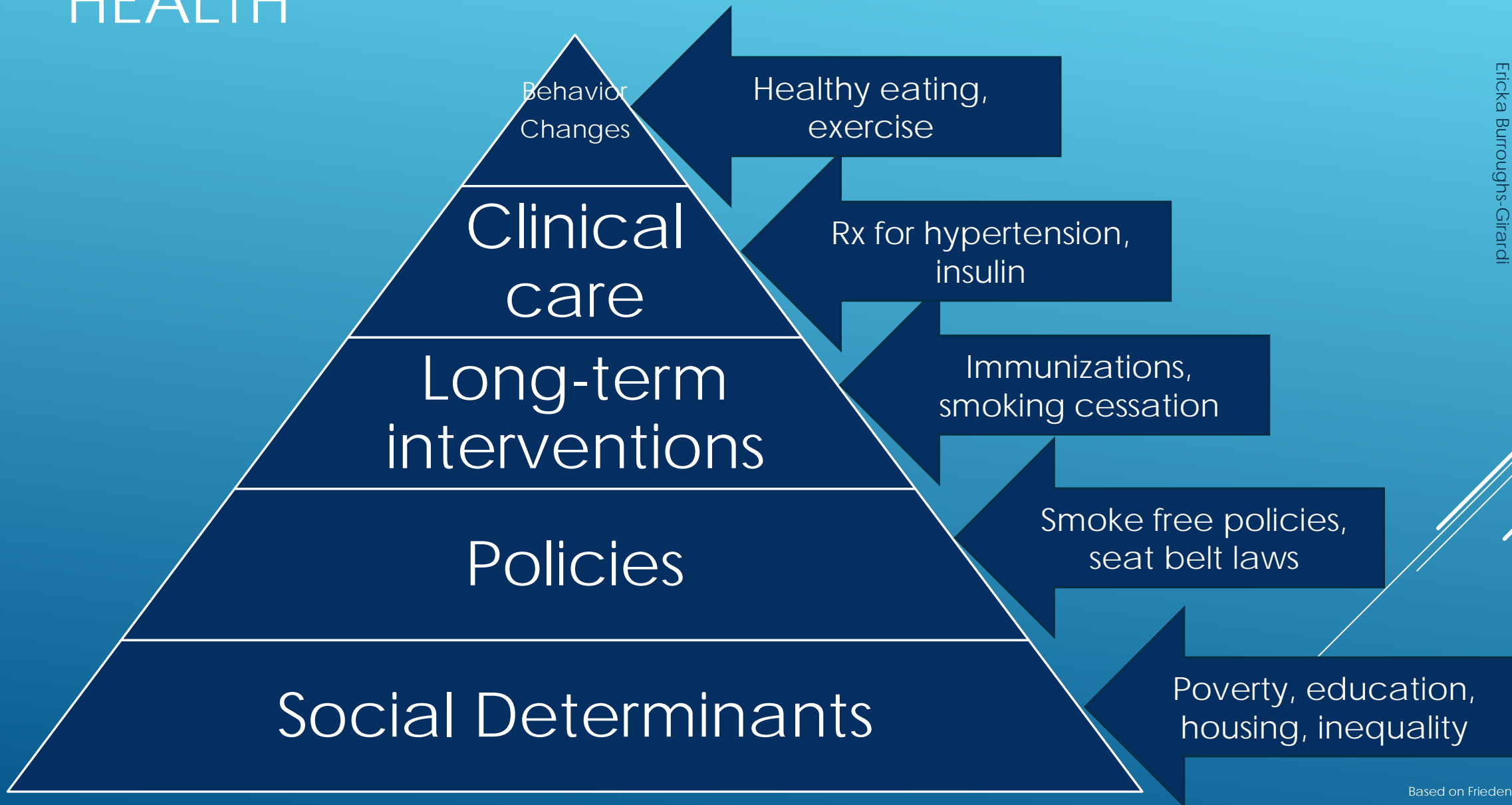
EDUCATION

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Unemployment Rates by Education Level



REFRAMING HOW WE THINK ABOUT HEALTH

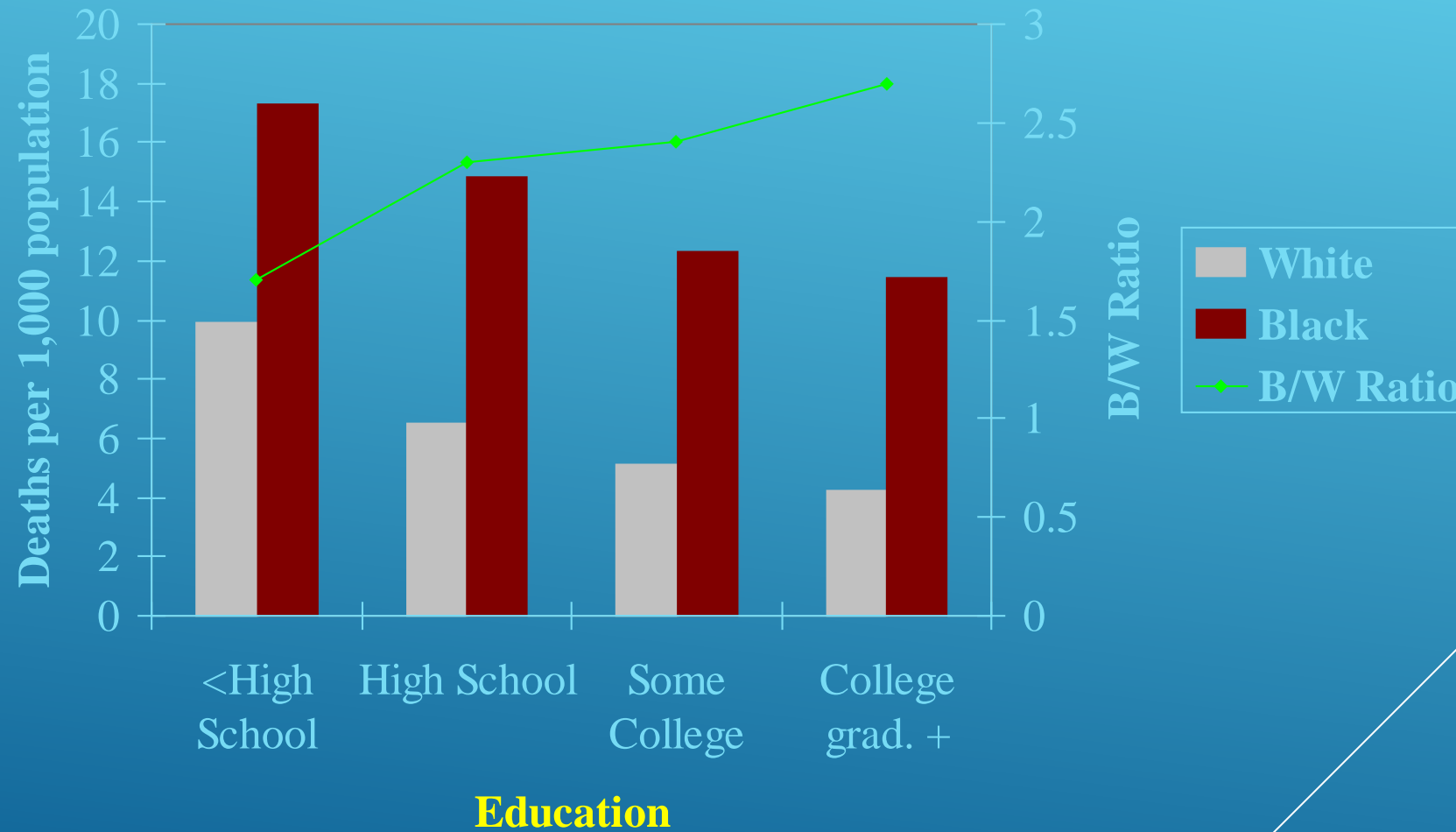


Ericka Burroughs-Girardi

LIFE EXPECTANCY AT AGE 25, 1998

Group	White	Black	Difference
All	53.4	48.4	5.0
Education			
a. 0-12 Years	50.1	47.0	3.1
b. 12 Years	54.1	49.9	4.2
c. Some College	55.2	50.9	4.3
d. College Grad	56.5	52.3	4.2
Difference	6.4	5.3	

INFANT DEATH RATES BY MOTHER'S EDUCATION, 1995



INFANT MORTALITY BY MOTHER'S EDUCATION, 1995

