

Reimagining Community Based Prevention: *Place Matters*

**Assembly Health Committee
1/10/2013**

**Tony Iton, M.D., J.D., MPH
Senior Vice President
The California Endowment**

Health ≠ Health care

Where You Live Matters

It Matters A LOT!

**Does Your *Zip Code*
Matter More Than
Your *Genetic Code*?**

There are no
silver bullets!



Life expectancy

... is the **average**
lifespan a newborn
can expect

CERTIFICATE OF DEATH

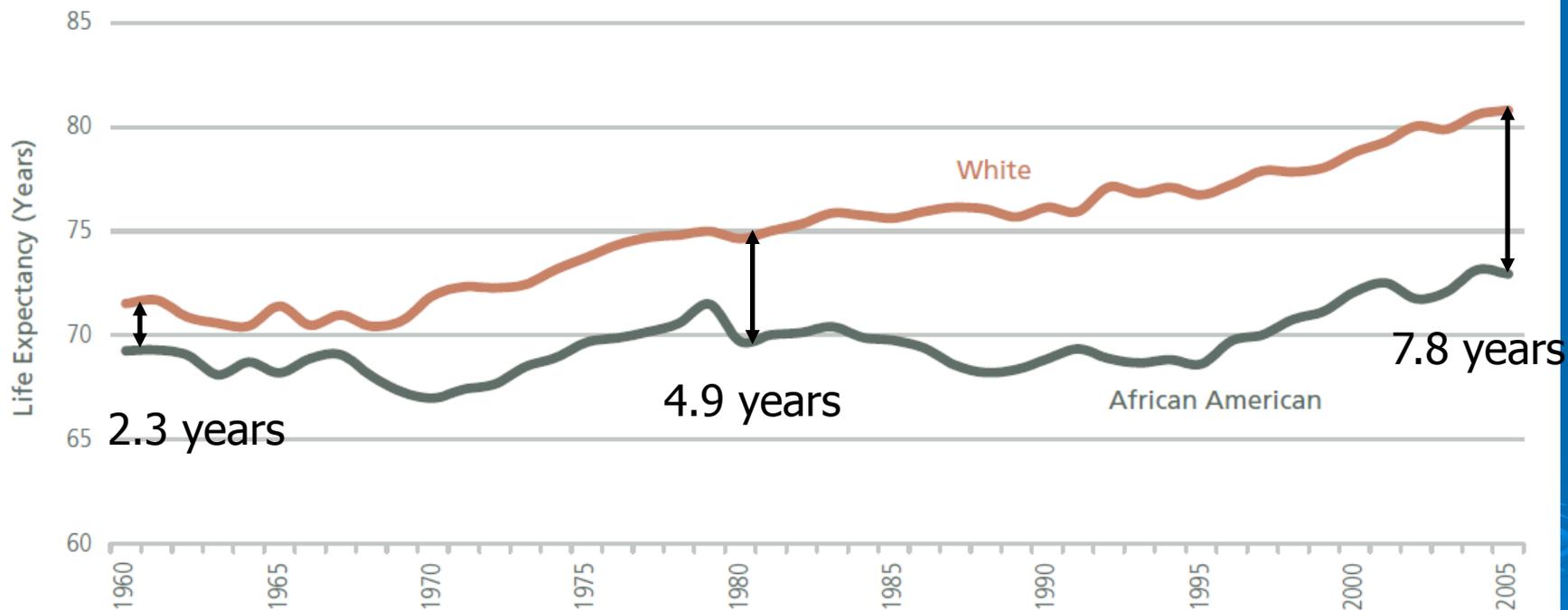
STATE OF CALIFORNIA
USE BLACK INK ONLY - NO ERASURES, WHITEOUTS OR ALTERATIONS
VS-16 (REV 1/04)

3200701000029

| | | | | | | | | |
|--|---|--|---|---|---|---|-------------|--------------|
| STATE FILE NUMBER | | LOCAL REGISTRATION NUMBER | | | | | | |
| 1. NAME OF DECEDENT - FIRST (Given) DONALD | | 3. LAST (Family) DUCK | | | | | | |
| 2. MIDDLE H. | | 4. DATE OF BIRTH mm/dd/yyyy 02/14/1937 | | | | | | |
| 5. AGE Yrs. 69 | | 6. SEX M | | | | | | |
| 9. BIRTH STATE/FOREIGN COUNTRY FINLAND | | 10. SOCIAL SECURITY NUMBER 243-65-9974 | | | | | | |
| 11. EVER IN U.S. ARMED FORCES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> UNK | | 12. MARITAL STATUS (at time of Death) NEVER MARRIED | | | | | | |
| 13. EDUCATION - Highest Level/Degree (see worksheet on back) 06 | | 14/15. WAS DECEDENT HISPANIC/LATINO(A)/SPANISH? (if yes, see worksheet on back) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| 16. DECEDENT'S RACE - Up to 3 races may be listed (see worksheet on back) CAUCASIAN | | 7. DATE OF DEATH mm/dd/yyyy 01/16/2007 | | | | | | |
| 17. USUAL OCCUPATION - Type of work for most of life. DO NOT USE RETIRED TEACHER | | 18. KIND OF BUSINESS OR INDUSTRY (e.g., grocery store, road construction, employment agency, etc.) EDUCATION | | | | | | |
| 19. YEARS IN OCCUPATION 4 | | 20. DECEDENT'S RESIDENCE (Street and number or location) 348 8TH AVE | | | | | | |
| 21. CITY ALAMEDA | | 22. COUNTY/PROVINCE ALAMEDA | | | | | | |
| 23. ZIP CODE 94501 | | 24. YEARS IN COUNTY 3 | | | | | | |
| 25. STATE/FOREIGN COUNTRY CA | | 26. INFORMANT'S RELATIONSHIP SUE -, MOUSE | | | | | | |
| 27. INFORMANT'S MAILING ADDRESS (Street and number or rural route number, city or town, state, ZIP) 345 HIGH ST, OAKLAND, CA 94601 | | 28. NAME OF SURVIVING SPOUSE - FIRST - | | | | | | |
| 29. MIDDLE - | | 30. LAST (Maiden Name) - | | | | | | |
| 31. NAME OF FATHER - FIRST THOMAS | | 32. MIDDLE - | | | | | | |
| 33. LAST DUCK | | 34. BIRTH STATE CA | | | | | | |
| 35. NAME OF MOTHER - FIRST MINNIE | | 36. MIDDLE - | | | | | | |
| 37. LAST (Maiden) UNKNOWN | | 38. BIRTH STATE UNKNOWN | | | | | | |
| 39. DISPOSITION DATE mm/dd/yyyy 01/22/2007 | | 40. PLACE OF FINAL DISPOSITION RES 345 HIGH ST, OAKLAND, CA 94601 | | | | | | |
| 41. TYPE OF DISPOSITION(S) CR/RES | | 42. SIGNATURE OF EMBALMER MANUEL FLORES | | | | | | |
| 43. LICENSE NUMBER EMB6370 | | 44. NAME OF FUNERAL ESTABLISHMENT CLARENCE N COOPER MORTUARY INC | | | | | | |
| 45. LICENSE NUMBER FD381 | | 46. SIGNATURE OF LOCAL REGISTRAR ANTHONY ITON, M.D. | | | | | | |
| 47. DATE mm/dd/yyyy 01/18/2007 | | 101. PLACE OF DEATH EDEN MEDICAL CENTER | | | | | | |
| 102. IF HOSPITAL, SPECIFY ONE <input checked="" type="checkbox"/> IP <input type="checkbox"/> ER/OP <input type="checkbox"/> DOA | | 103. IF OTHER THAN HOSPITAL, SPECIFY ONE <input type="checkbox"/> Hospice <input type="checkbox"/> Nursing Home/LTC <input type="checkbox"/> Decedent's Home <input type="checkbox"/> Other | | | | | | |
| 104. COUNTY ALAMEDA | | 105. FACILITY ADDRESS OR LOCATION WHERE FOUND (Street and number or location) 2103 LAKE CHABOT RD | | | | | | |
| 106. CITY CASTRO VALLEY | | 107. CAUSE OF DEATH as chain of events - diseases, injuries, or complications - that directly caused death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. (A) PNEUMONIA | | | | | | |
| 108. DEATH REPORTED TO CORONER? (AT) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO REFERRAL NUMBER 0 | | 109. BIOPSY PERFORMED? (BT) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| 110. AUTOPSY PERFORMED? (CT) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | 111. USED IN DETERMINING CAUSE? (DT) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| 112. OTHER SIGNIFICANT CONDITIONS CONTRIBUTING TO DEATH BUT NOT RESULTING IN THE UNDERLYING CAUSE GIVEN IN 107 DEMENTIA | | 113. WAS OPERATION PERFORMED FOR ANY CONDITION IN ITEM 107 OR 112? (if yes, list type of operation and date.) NO | | | | | | |
| 113A. IF FEMALE, PREGNANT IN LAST YEAR? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNK | | 114. I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE DEATH OCCURRED AT THE HOUR, DATE, AND PLACE STATED FROM THE CAUSES STATED. Decedent Attended Since mm/dd/yyyy (A) 02/03/2006 Decedent Last Seen Alive mm/dd/yyyy (B) 01/10/2007 | | | | | | |
| 115. SIGNATURE AND TITLE OF CERTIFIER GARY WINSETT BROWN M.D. | | 116. LICENSE NUMBER A38965 | | | | | | |
| 117. DATE mm/dd/yyyy 02/03/2006 | | 118. TYPE ATTENDING PHYSICIAN'S NAME, MAILING ADDRESS, ZIP CODE MICHAEL ANDREW HOGARTH M.D. 2315 STOCKTON BLVD, SACRAMENTO, CA 95817 | | | | | | |
| 119. I CERTIFY THAT IN MY OPINION DEATH OCCURRED AT THE HOUR, DATE AND PLACE STATED FROM THE CAUSES STATED. MANNER OF DEATH <input type="checkbox"/> Natural <input type="checkbox"/> Accident <input type="checkbox"/> Homicide <input type="checkbox"/> Suicide <input type="checkbox"/> Pending Investigation <input type="checkbox"/> Could not be determined | | 120. INJURED AT WORK? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNK | | | | | | |
| 121. INJURY DATE mm/dd/yyyy | | 122. HOUR (24 Hours) | | | | | | |
| 123. PLACE OF INJURY (e.g., home, construction site, wooded area, etc.) | | 124. DESCRIBE HOW INJURY OCCURRED (Events which resulted in injury) | | | | | | |
| 125. LOCATION OF INJURY (Street and number, or location, and city, and ZIP) | | 126. SIGNATURE OF CORONER / DEPUTY CORONER | | | | | | |
| 127. DATE mm/dd/yyyy | | 128. TYPE NAME, TITLE OF CORONER / DEPUTY CORONER | | | | | | |
| STATE REGISTRAR | A | B | C | D | E |  *012007000007315* | FAX AUTH. # | CENSUS TRACT |

Race and Racism Matters: Health Inequities by Race/Ethnicity

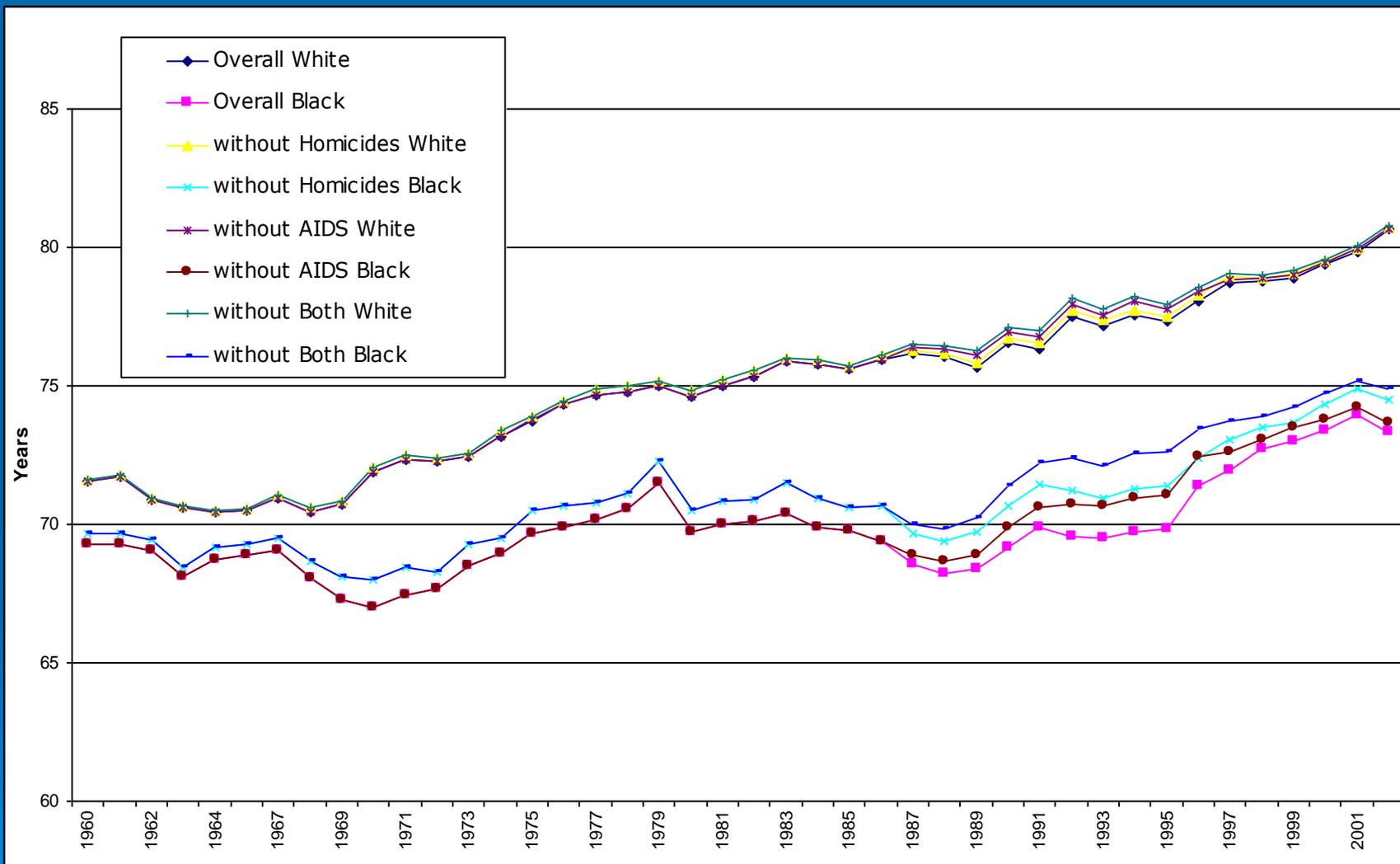
Figure 5: Historical Life Expectancy at Birth, Alameda County



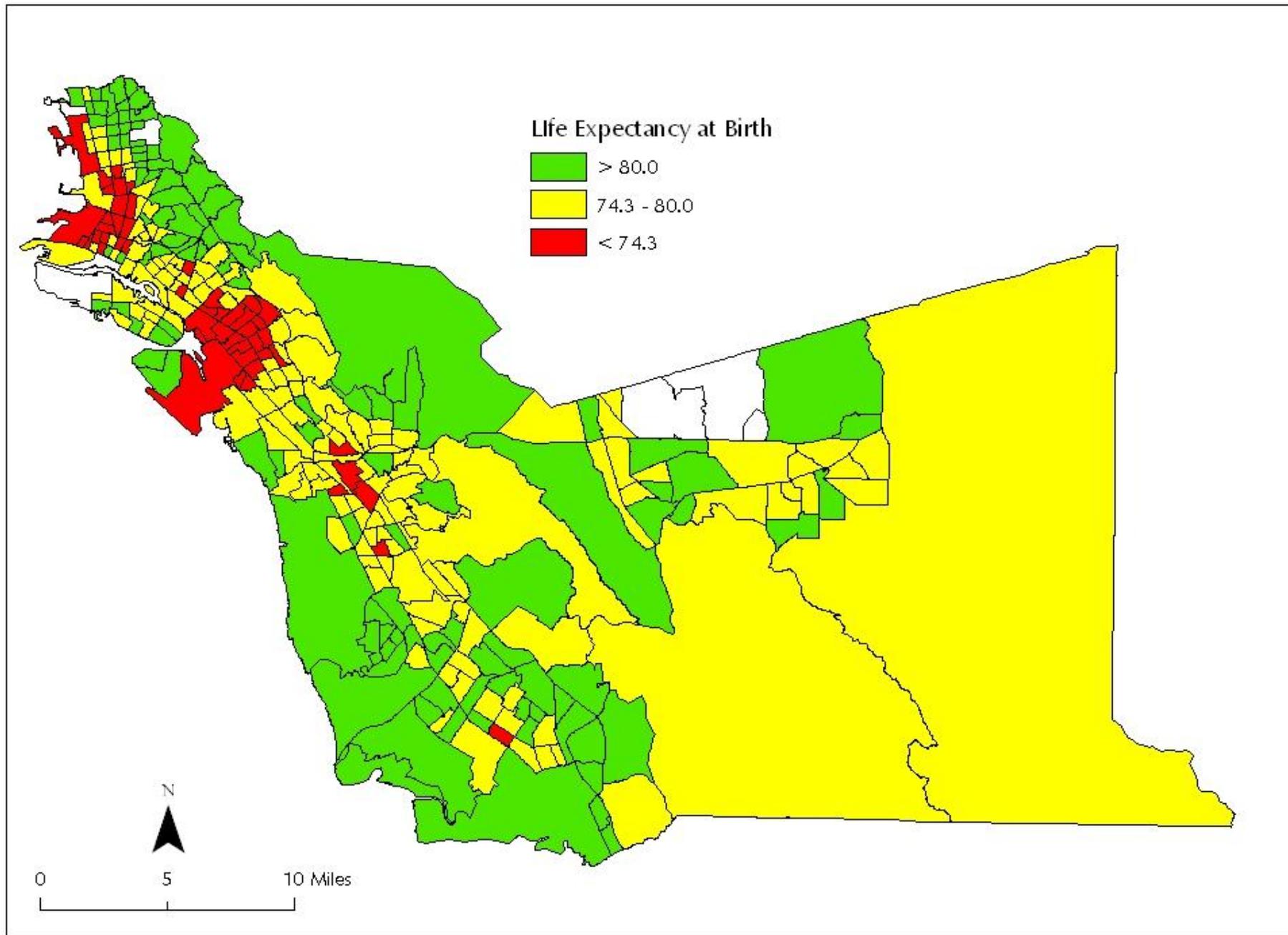
Note: White and African American defined regardless of Latino origin.

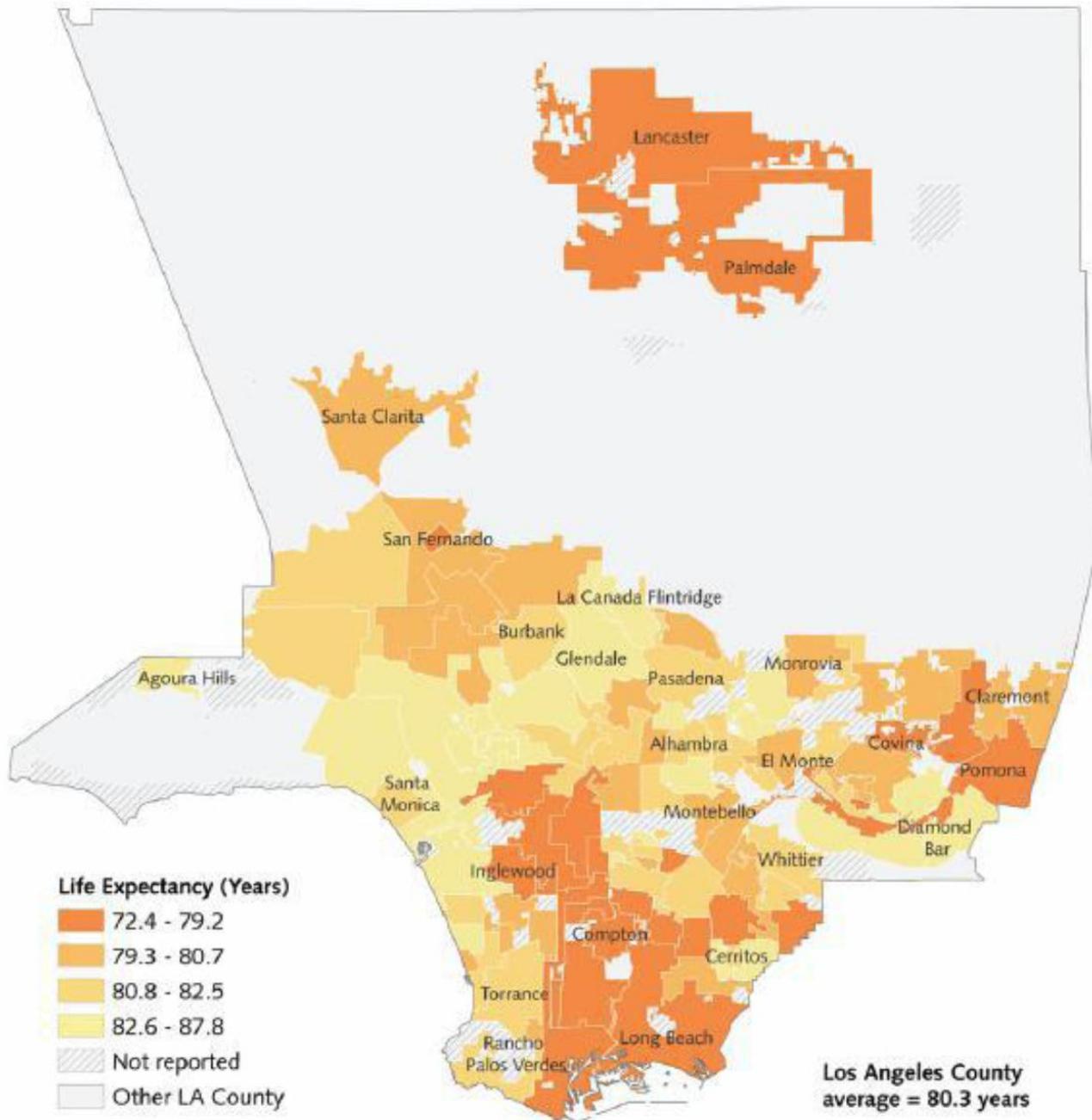
Source: Alameda County vital statistics files, 1960-2005.

Race and Racism Matters: Health Inequities by Race/Ethnicity

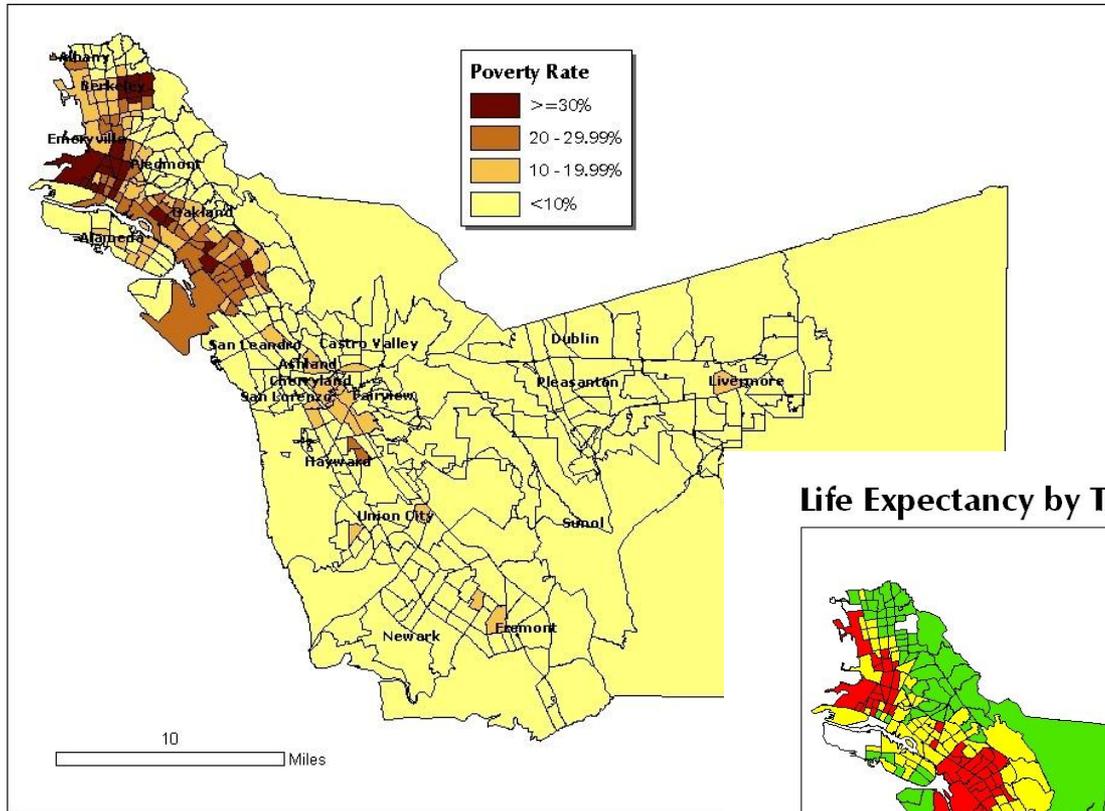


Life Expectancy by Tract

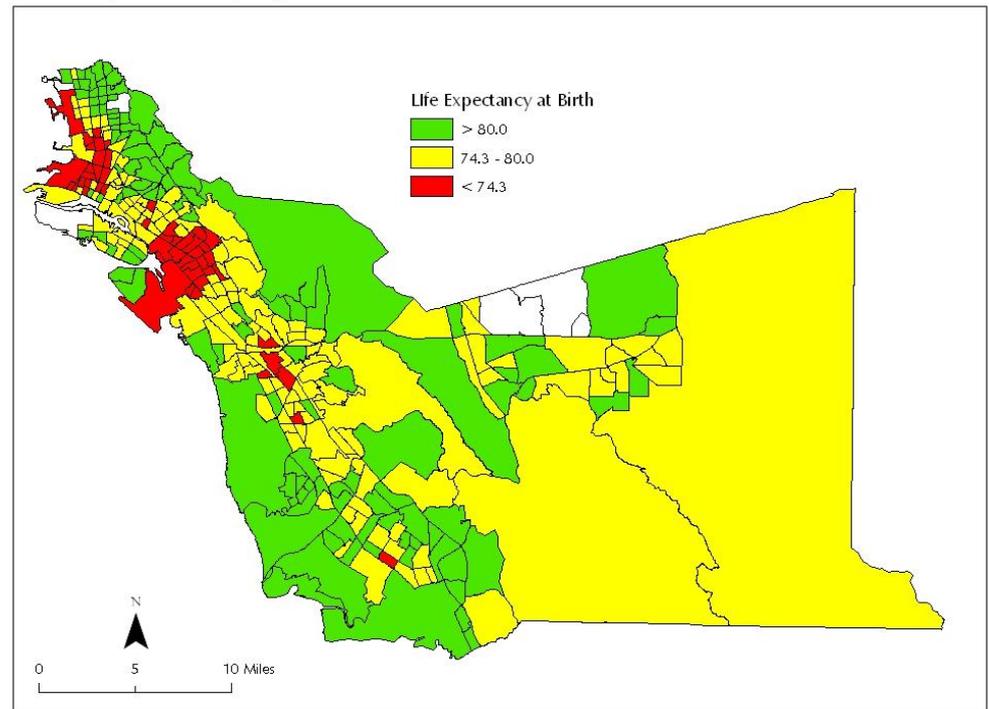




Alameda County Poverty

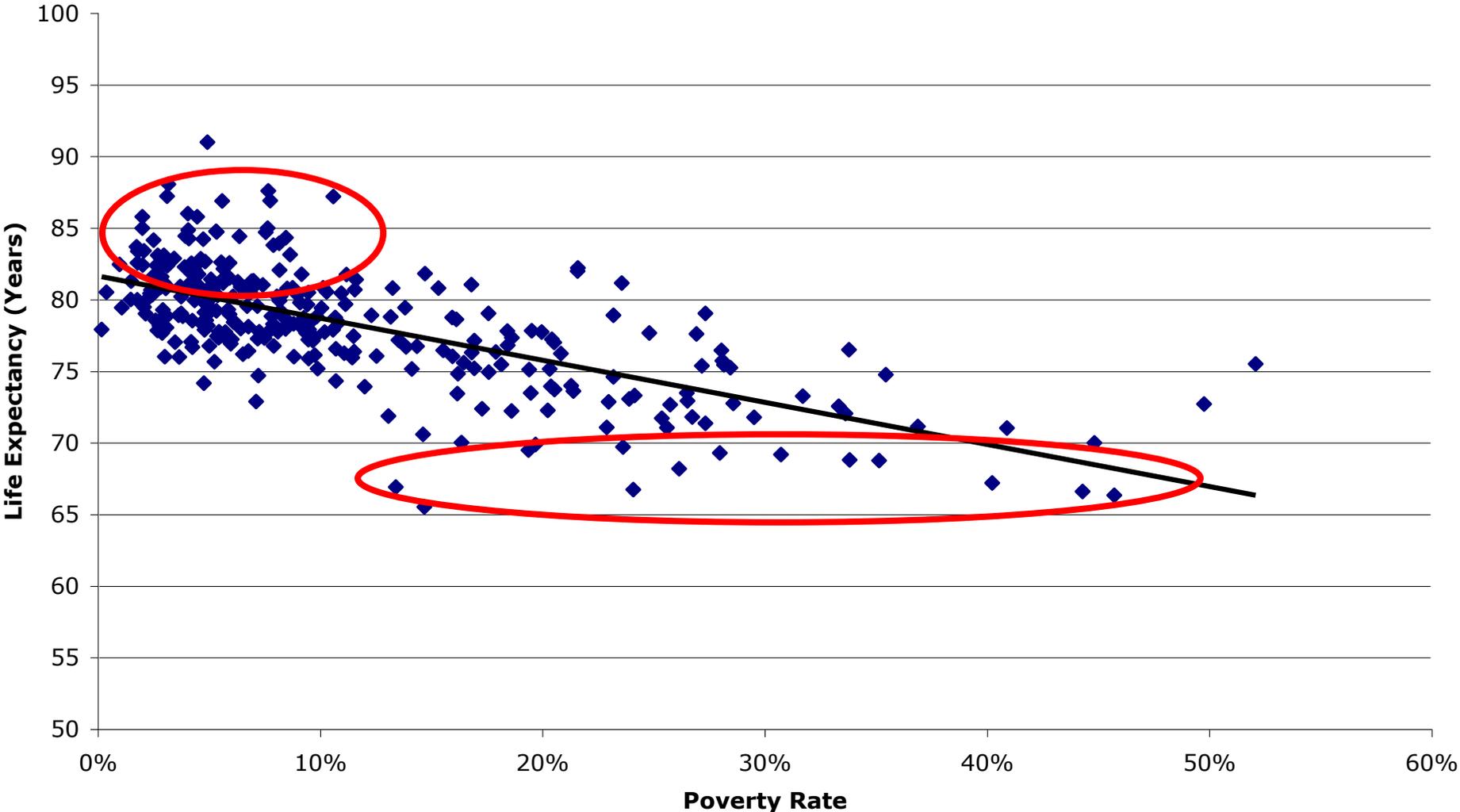


Life Expectancy by Tract



Life Expectancy by Poverty Group 2000-2003

Alameda County



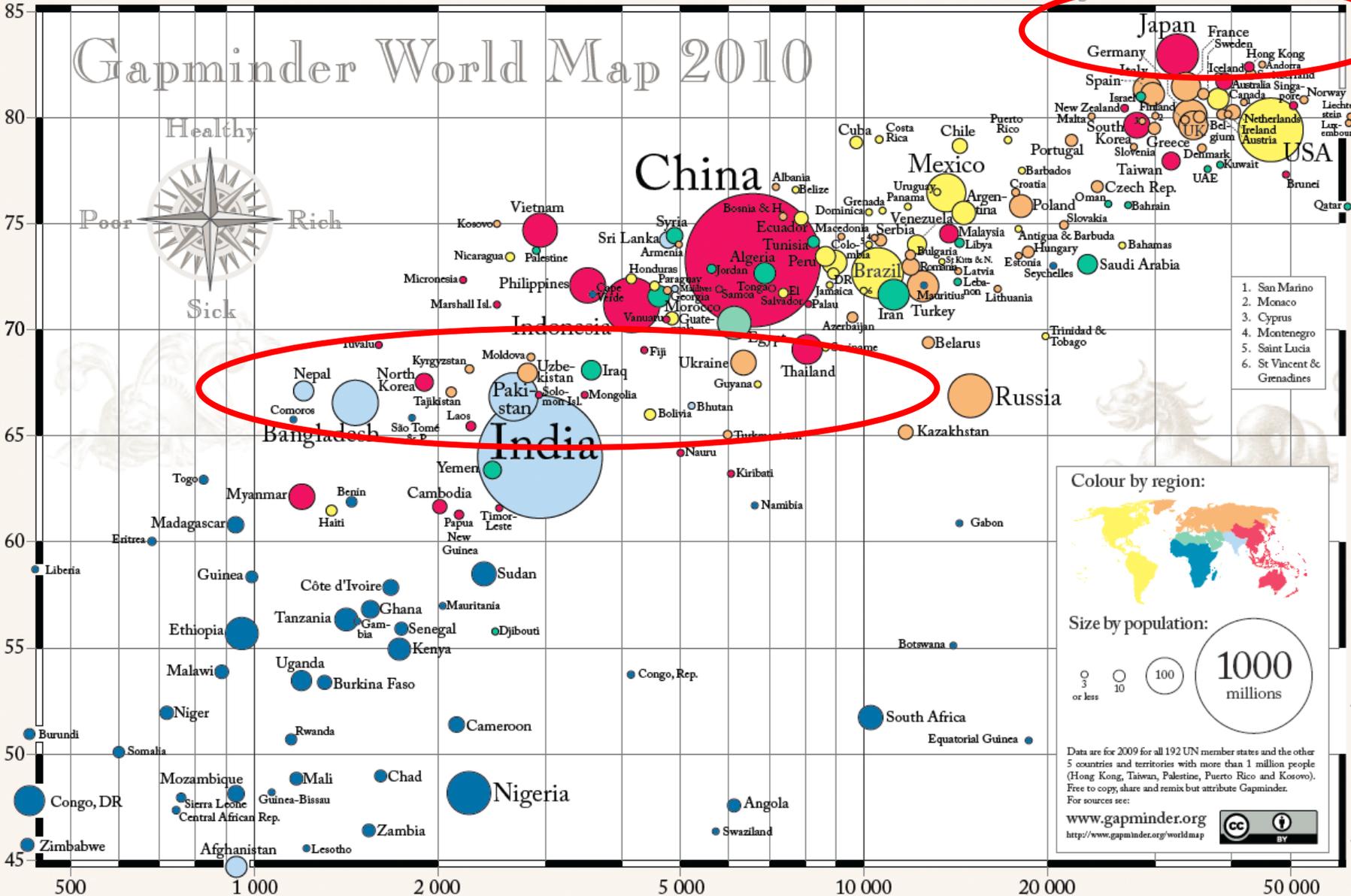
Low-income countries

Middle-income countries

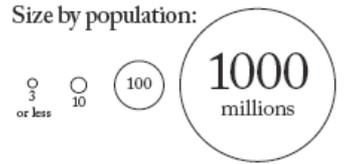
High income countries

Gapminder World Map 2010

Health Life expectancy at birth (years)



1. San Marino
2. Monaco
3. Cyprus
4. Montenegro
5. Saint Lucia
6. St Vincent & Grenadines



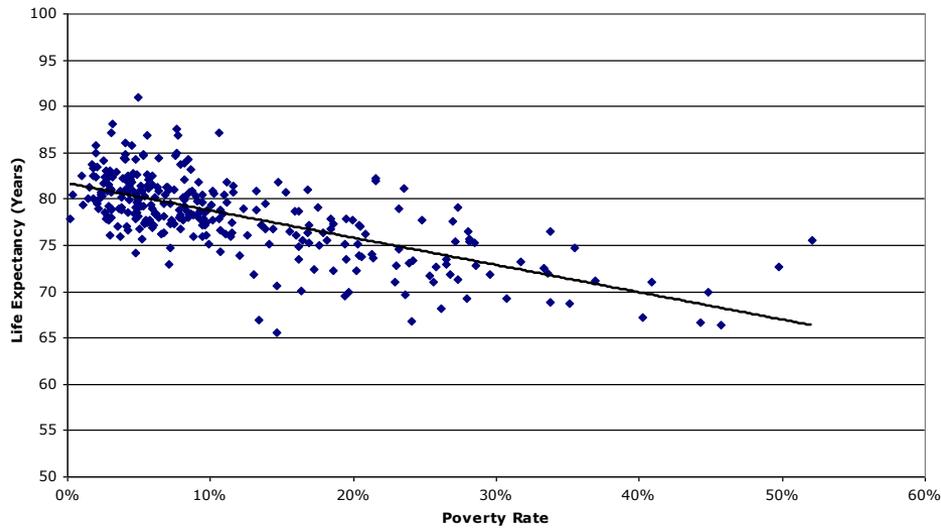
Data are for 2009 for all 192 UN member states and the other 5 countries and territories with more than 1 million people (Hong Kong, Taiwan, Palestine, Puerto Rico and Kosovo). Free to copy, share and remix but attribute Gapminder. For sources see: www.gapminder.org <http://www.gapminder.org/worldmap>

Money GDP per person in US dollars (purchasing power adjusted) (log scale)

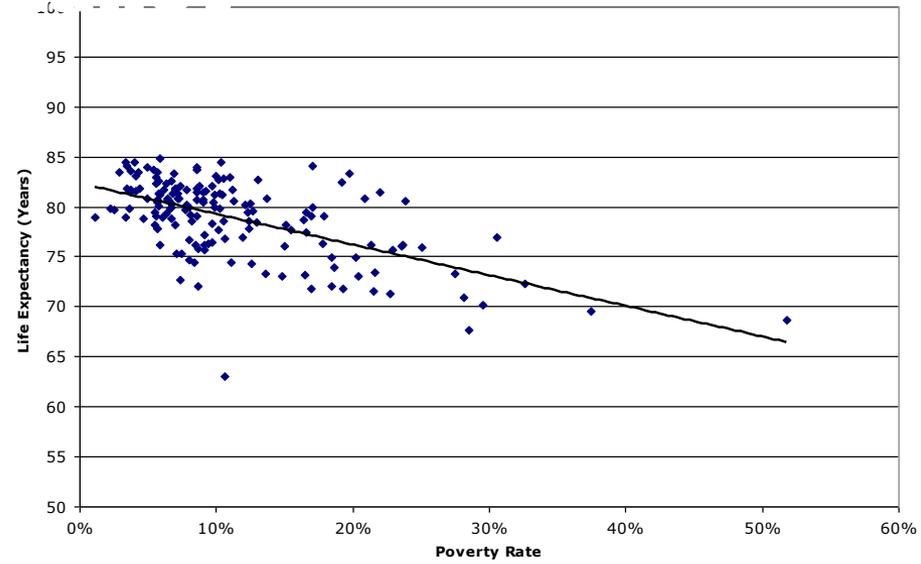
GAPMINDER

Tract Poverty vs. Life Expectancy

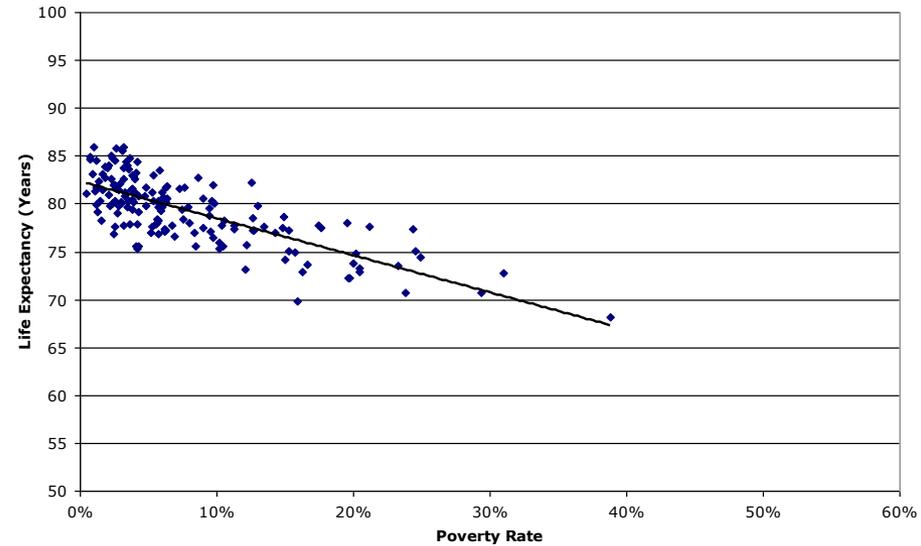
Alameda County



San Francisco County

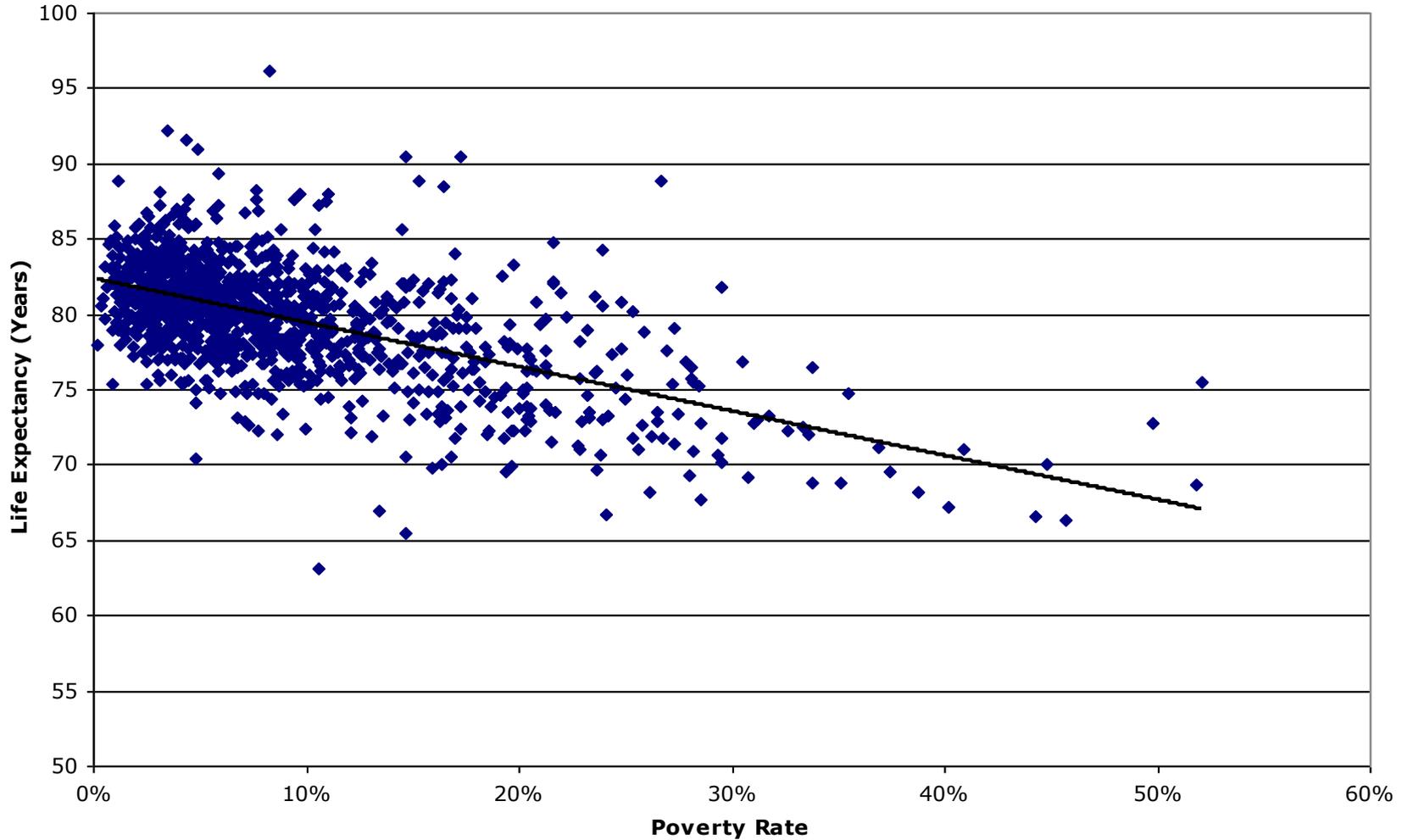


Contra Costa County

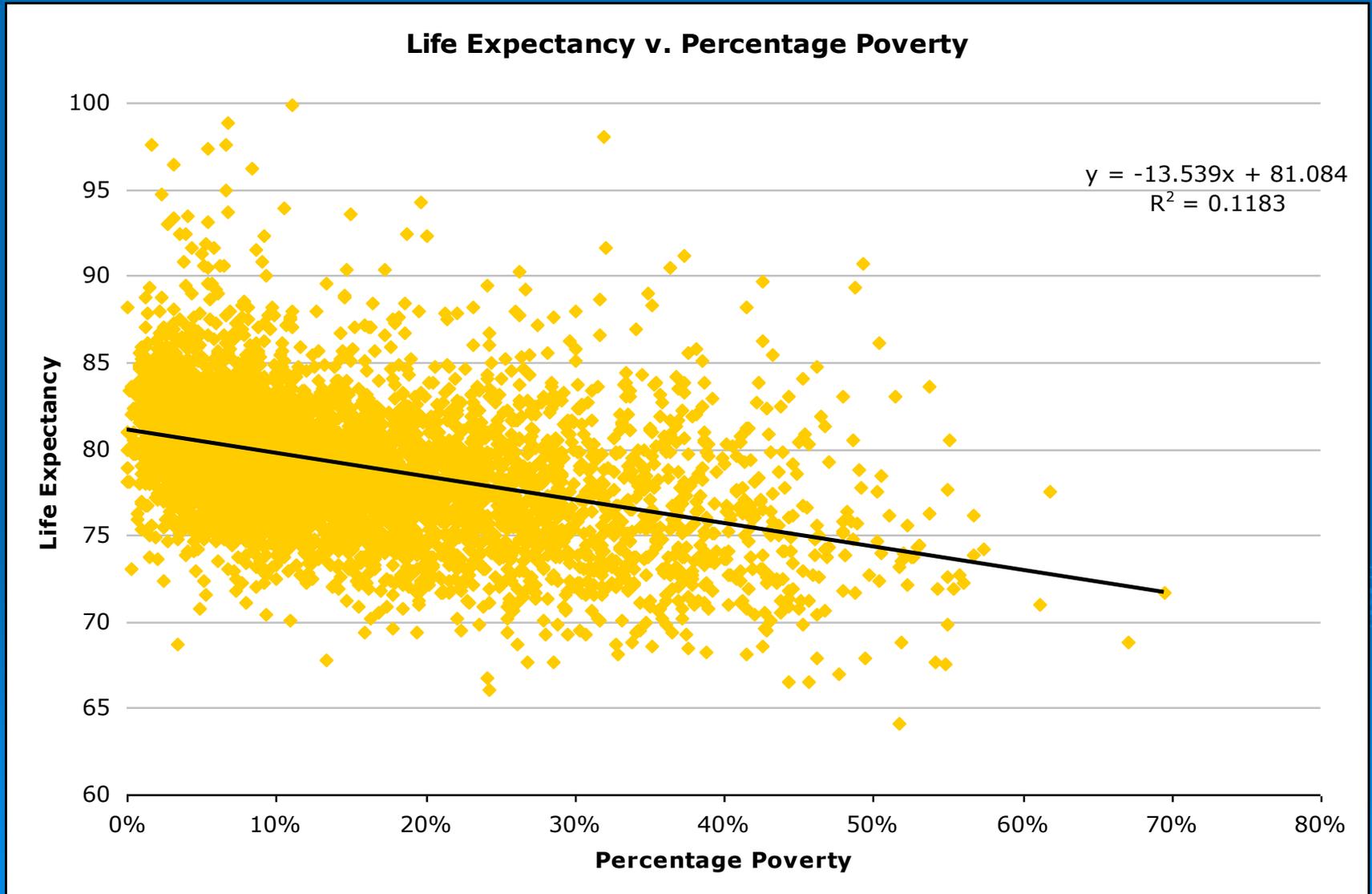


Bay Area Poverty vs. Life Expectancy

BARHII Life Expectancy and Poverty by Tract



California Poverty vs. Life Expectancy



Cost of Poverty in San Francisco Bay Area

- *Every additional \$12,500 in household income buys one year of life expectancy*
- *(Benefit appears to plateau at household incomes above \$150,000)*
- *Similar gradients in Baltimore, NYC, Philadelphia, Hennepin County (Minneapolis-St. Paul), Colorado, California, AND Cuyahoga County (\$6304/year of life)*

The shape of health to come: prospective study of the determinants of 30-year health trajectories in the Alameda County Study

George A Kaplan,^{1*} Peter T Baltrus² and Trivellore E Raghunathan³

A 30 year longitudinal study of nearly 7000 Alameda County residents from 1965 forward. Those residents with household income 1 SD above mean were 25% less likely to die prematurely, 1 SD below mean were 35% more likely to die early.



The NEW ENGLAND
JOURNAL of MEDICINE

SPECIAL REPORT

Volume 352:1138-1145

March 17, 2005

Number 11

A Potential Decline in Life Expectancy in the United States in the 21st Century

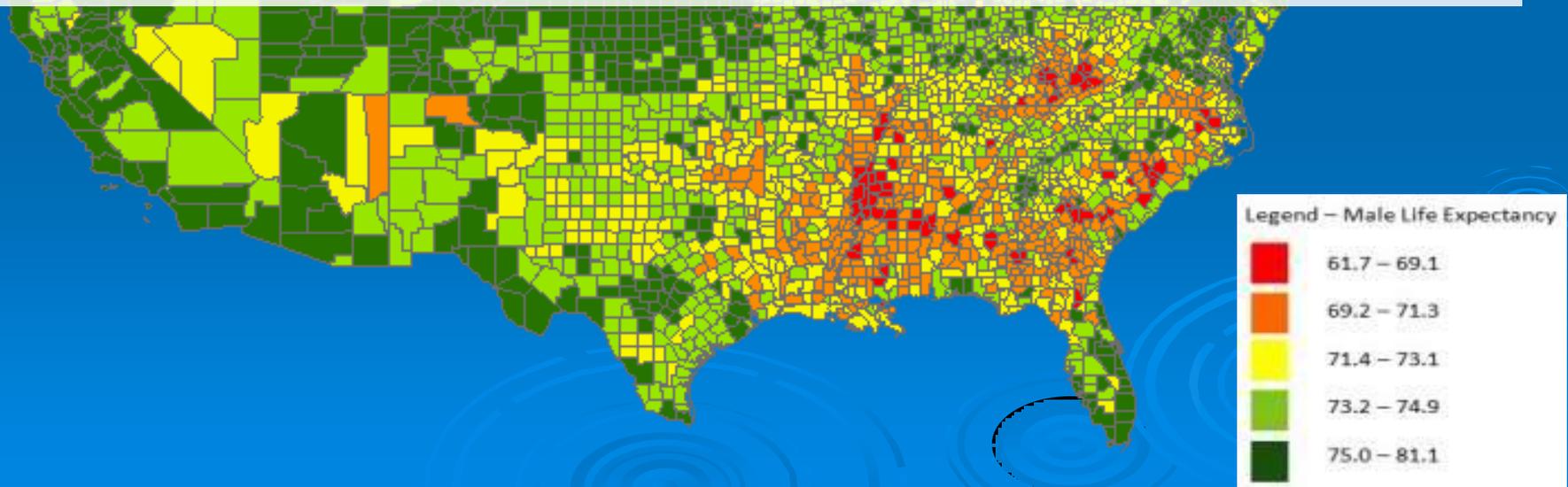
S. Jay Olshansky, Ph.D., Douglas J. Passaro, M.D., Ronald C. Hershow, M.D., Jennifer Layden, M.P.H., Bruce A. Carnes, Ph.D., Jacob Brody, M.D., Leonard Hayflick, Ph.D., Robert N. Butler, M.D., David B. Allison, Ph.D., and David S. Ludwig, M.D., Ph.D.

ABSTRACT

Forecasts of life expectancy are an important component of public policy that influence age-based entitlement programs such as Social Security and Medicare. Although the Social Security Administration recently raised its estimates of how long Americans are going to live in the 21st century, current trends in obesity in the United States suggest that these estimates may not be accurate. From our analysis of the effect of obesity on longevity, we conclude that the steady rise in life expectancy during the past two centuries may soon come to an end.

US Male Life Expectancy 1987-2007

Between 2000 and 2007, more than 80% of US counties fell in standing against the average of the 10 nations with the best life expectancies in the world, known as the international frontier.-IHME



Geographic and Racial Variation in Premature Mortality in the U.S.: Analyzing the Disparities

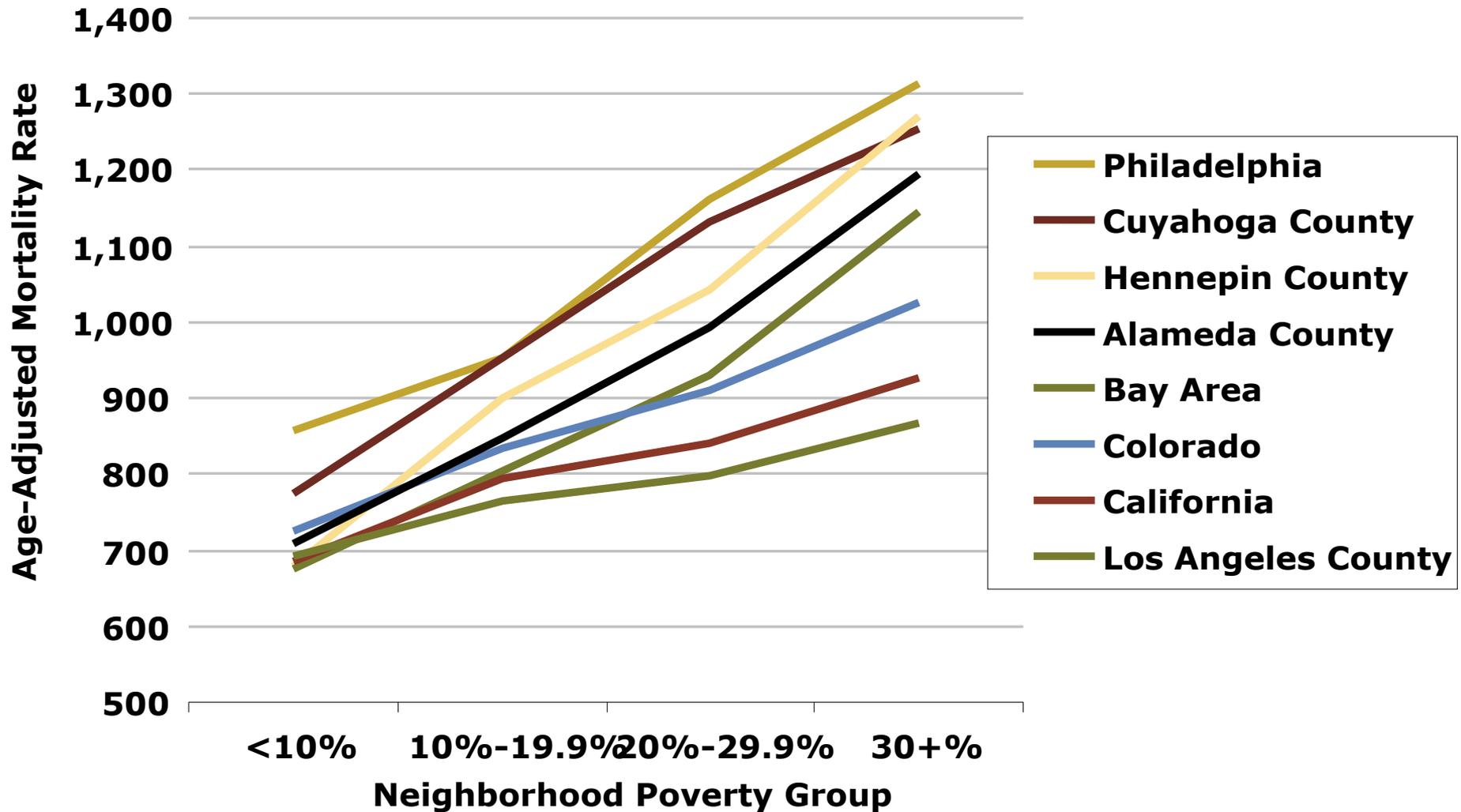
Mark R. Cullen^{1*}, Clint Cummins², Victor R. Fuchs^{1,2}

¹ General Medical Disciplines, Stanford University School of Medicine, Stanford, California, United States of America, ² Departments of Economics and Health Research and Policy, Stanford University, Stanford, California, United States of America

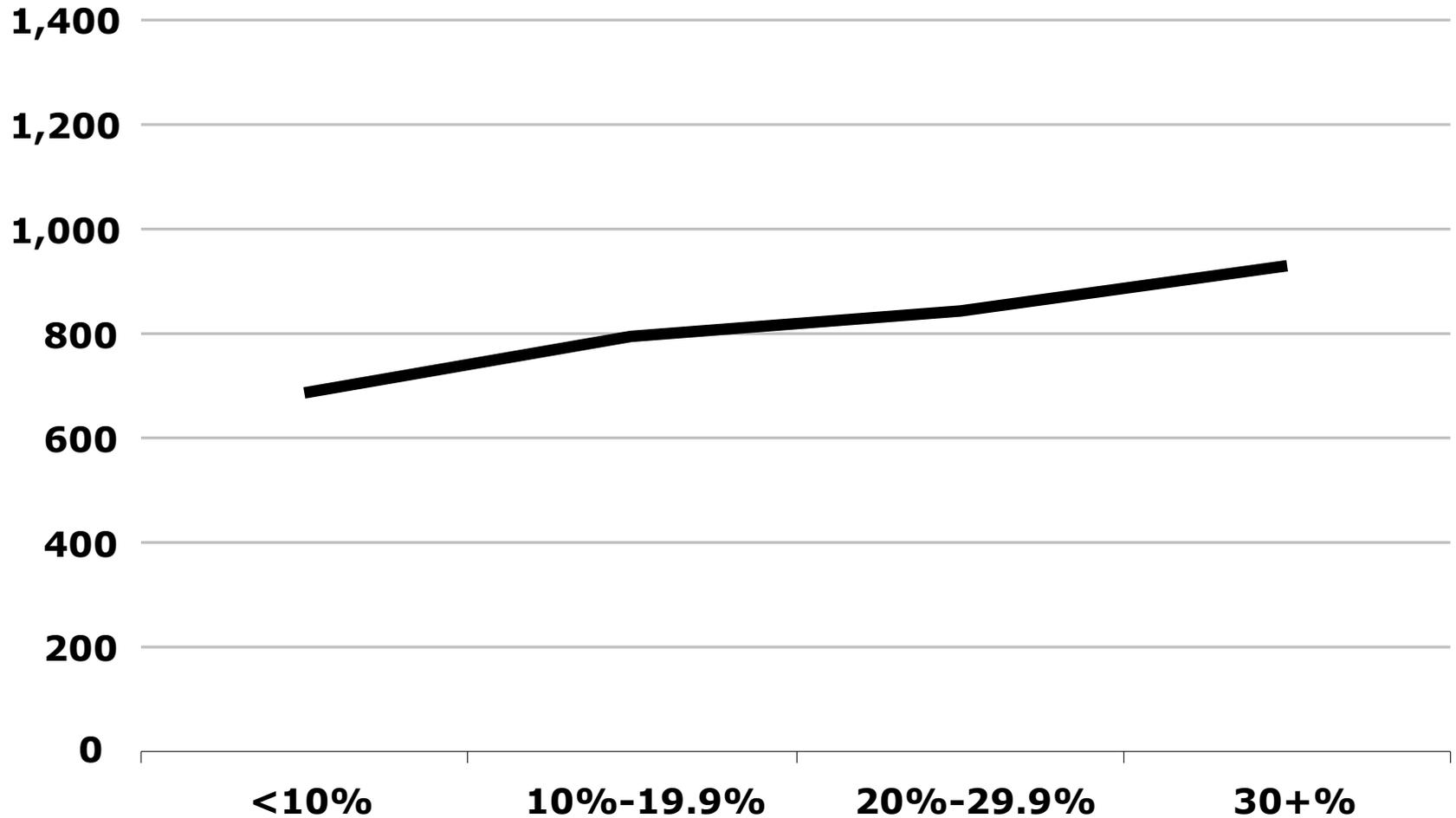


“Geographic and racial disparities,” said first author Mark Cullen, MD, **“are best understood as related to disparities in education, occupations and the like, which are strongly associated with outcomes in every county we studied, whether it was large, small, urban, rural, Southern or not.”**

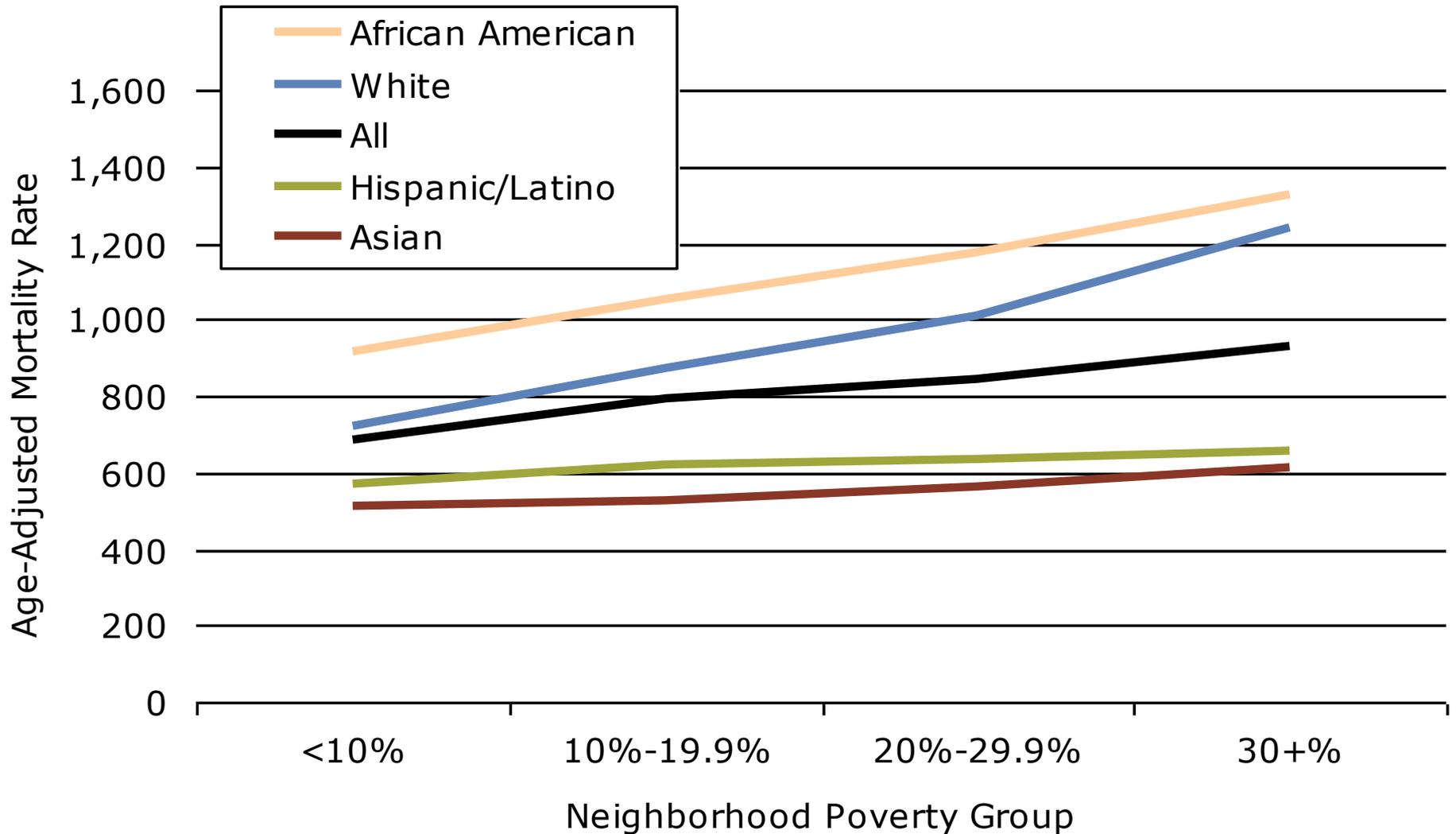
Social Gradients Various Jurisdictions



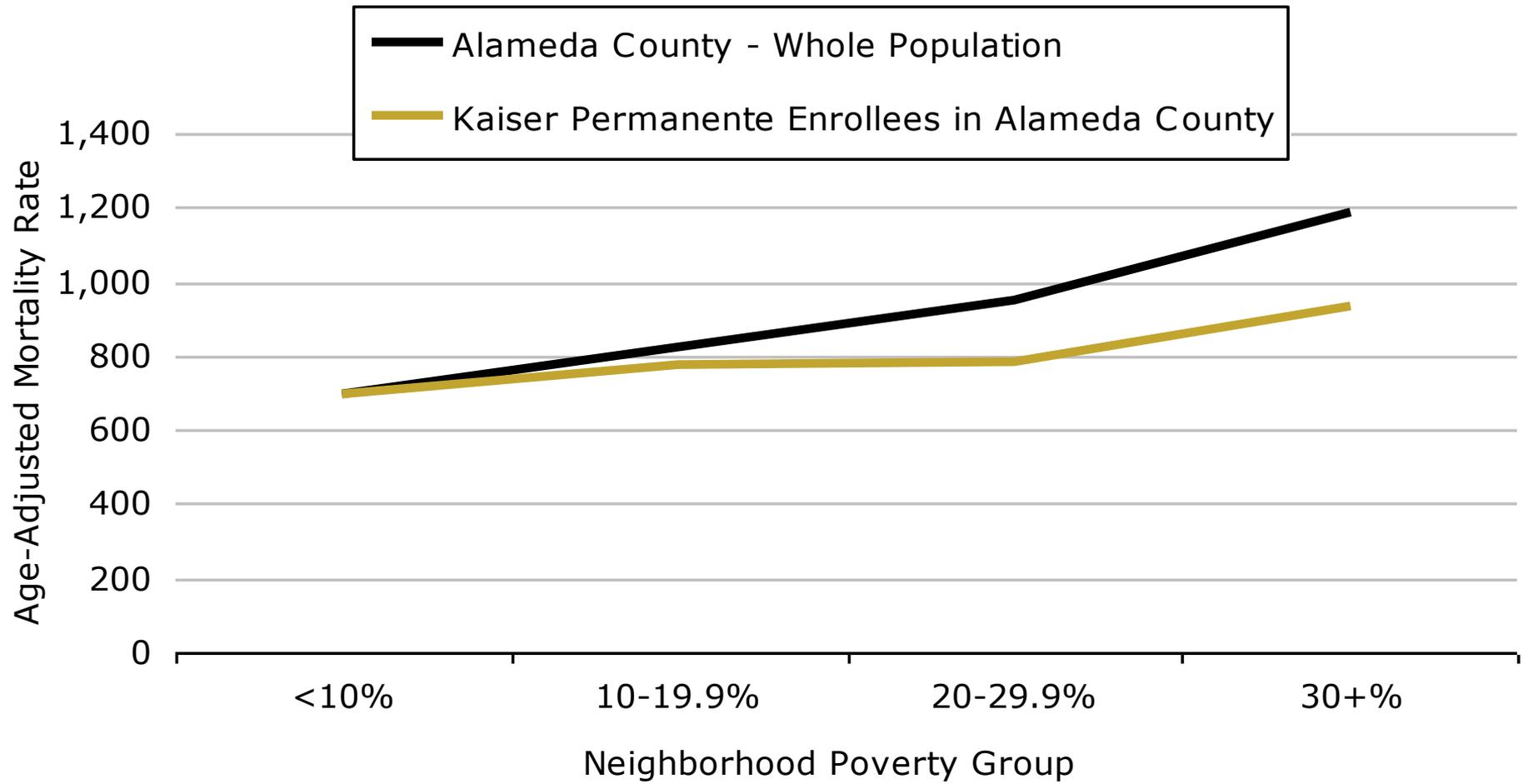
California Social Gradient



California Social Gradient by Race/Ethnicity



Insured vs. Whole Population



**% of AC
pop'n**

32.3%

29.9%

26.0%

22.0%

ZIP CODE
8769
EXPECTANCY

73

how.org



ZIP CODE
94301
LIFE EXPECTANCY
86

Your ZIP Code
shouldn't predict
how long you'll live.

health
happens
here



ZIP CODE
90002
LIFE EXPECTANCY
73

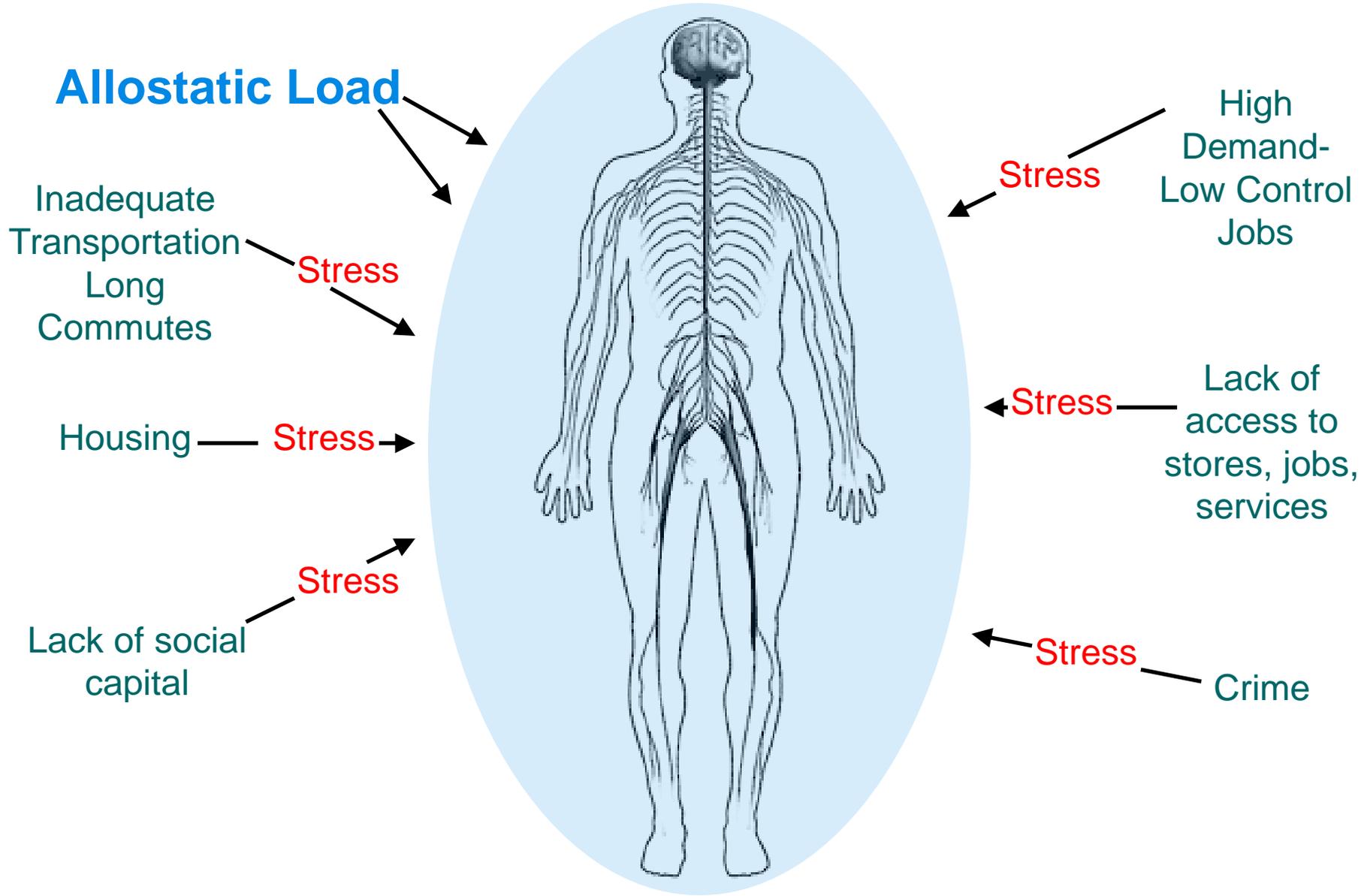
PEDIATRICS®

OFFICIAL JOURNAL OF THE AMERICAN ACADEMY OF PEDIATRICS

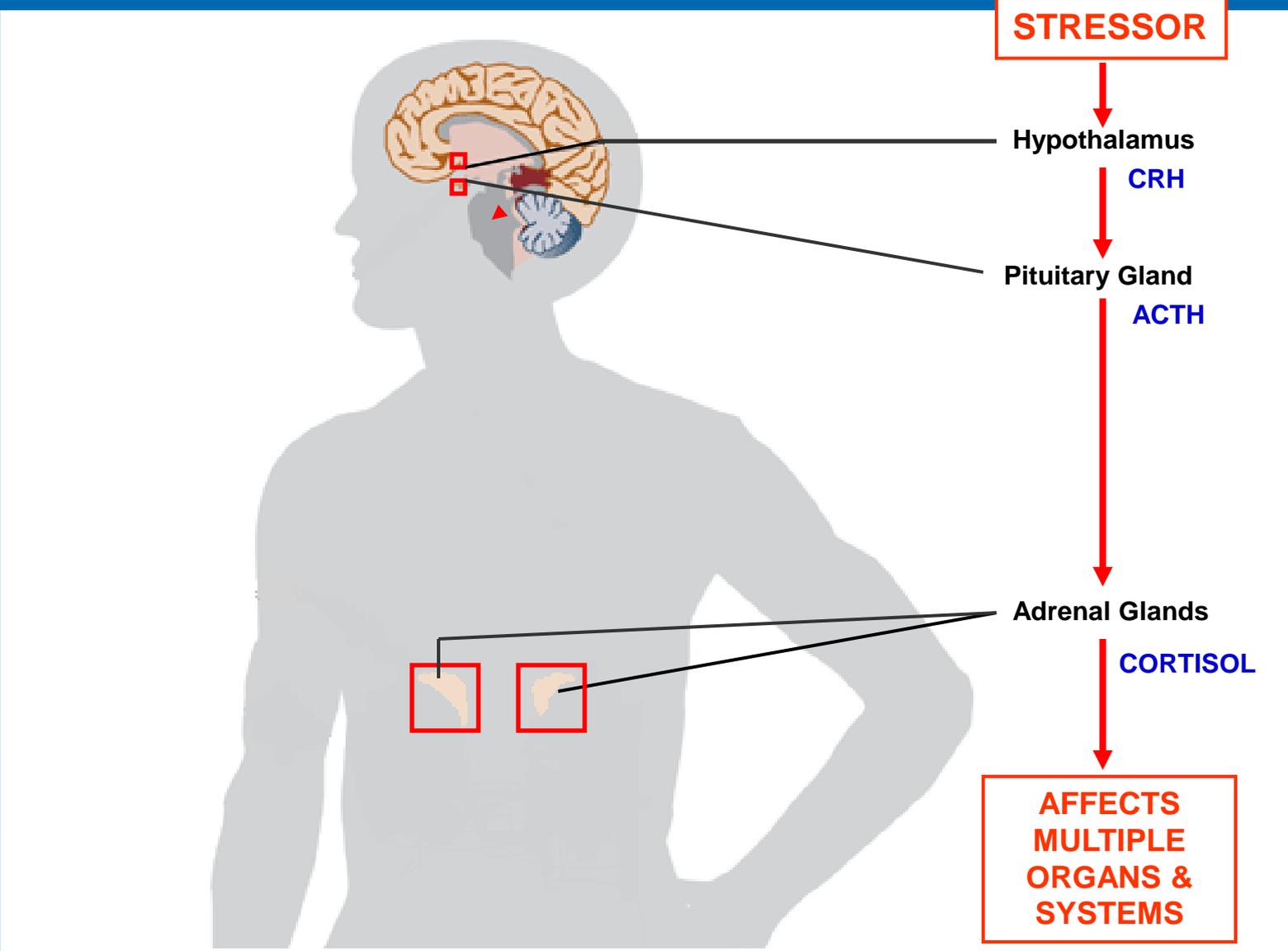
The Lifelong Effects of Early Childhood Adversity and Toxic Stress

Advances in fields of inquiry as diverse as neuroscience, molecular biology, genomics, developmental psychology, epidemiology, sociology, and economics are catalyzing an important paradigm shift in our understanding of health and disease across the lifespan. This converging, multidisciplinary science of human development has profound implications for our ability to enhance the life prospects of children and to strengthen the social and economic fabric of society.

When the external becomes internal: How we internalize our environment



Stress pathway from brain to body



Disparities are the tip of the iceberg...



The Health of White Americans



US Whites

| | Life Expectancy |
|-----------------|-----------------|
| US White | 78 years |
| Chile | 78 years |
| Costa Rica | 78 years |
| Cuba | 78 years |
| Slovenia | 78 years |
| Kuwait | 78 years |

US Whites Living Shorter Lives Than:

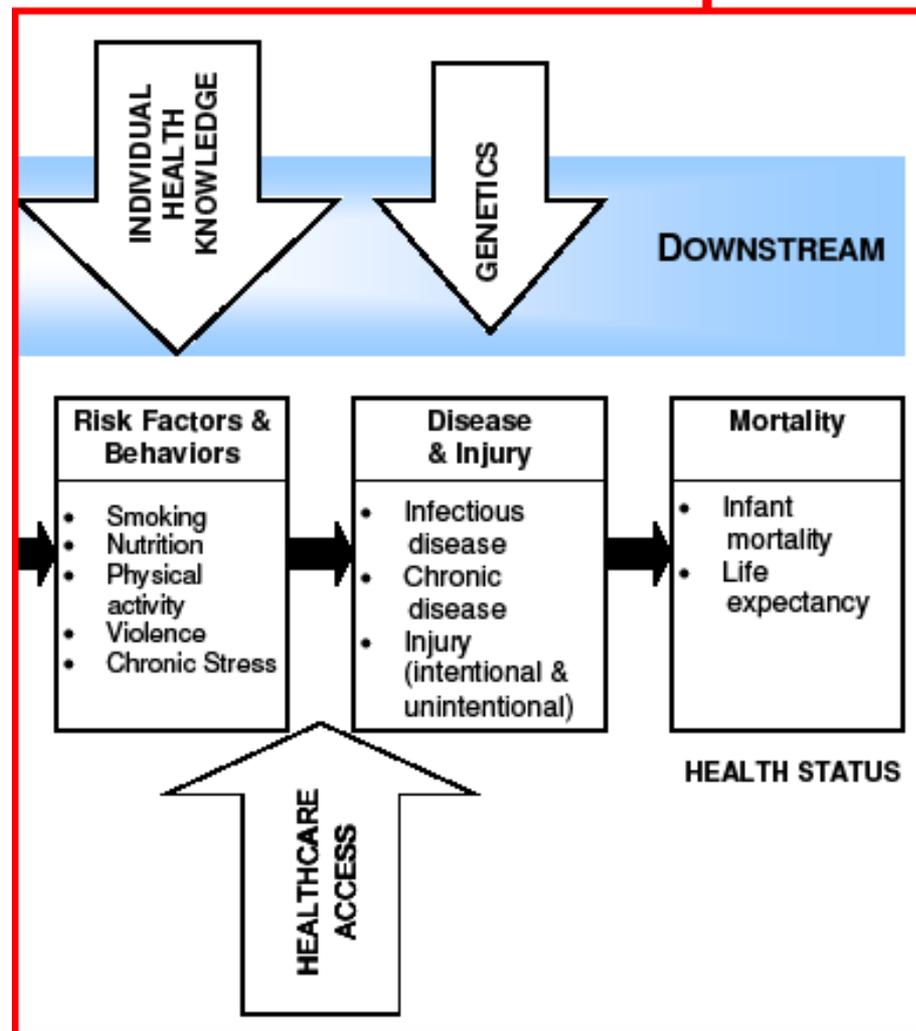
- 79 years: Belgium, Denmark, Finland, Malta, Portugal, Spain, Sweden, U.K., Korea
 - 80 years: Austria, Cyprus, Germany, Greece, Ireland, Netherlands, Norway, New Zealand, Singapore
 - 81 years: Canada, France, Iceland, Israel, Italy
 - 82 years: Switzerland, Australia
 - 83 years: Japan
- 26 countries

Understanding Health at the Macro Level

- Despite our wealth, the U.S. is unhealthier across the board than our peers.
- There is evidence that flattening the social gradient improves the health of all. (Not a zero sum proposition).
- Focused upstream interventions (policy and place) may offer promise.

A Framework for Health Equity

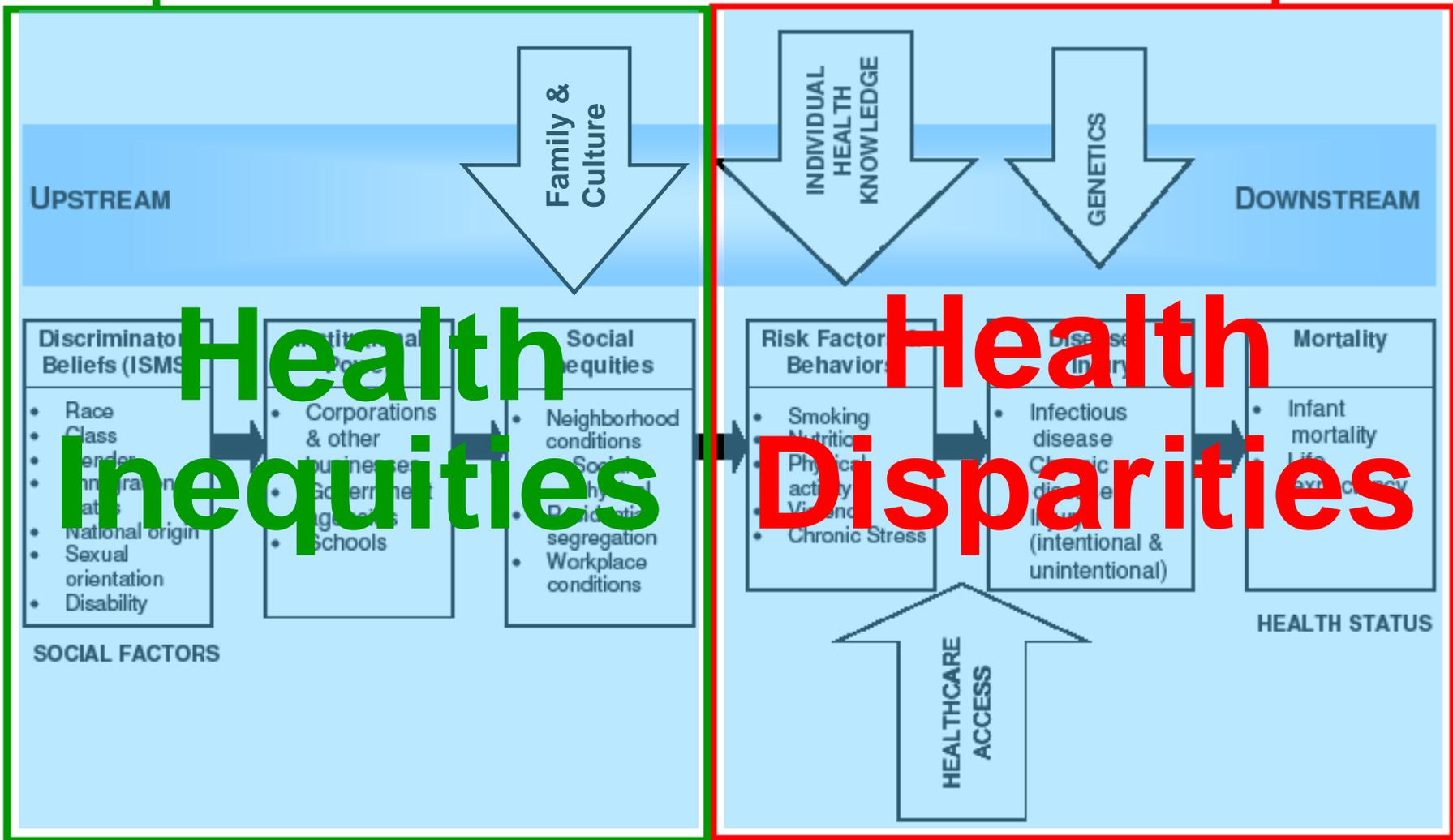
Medical Model



A Framework for Health Equity

Socio-Ecological

Medical Model



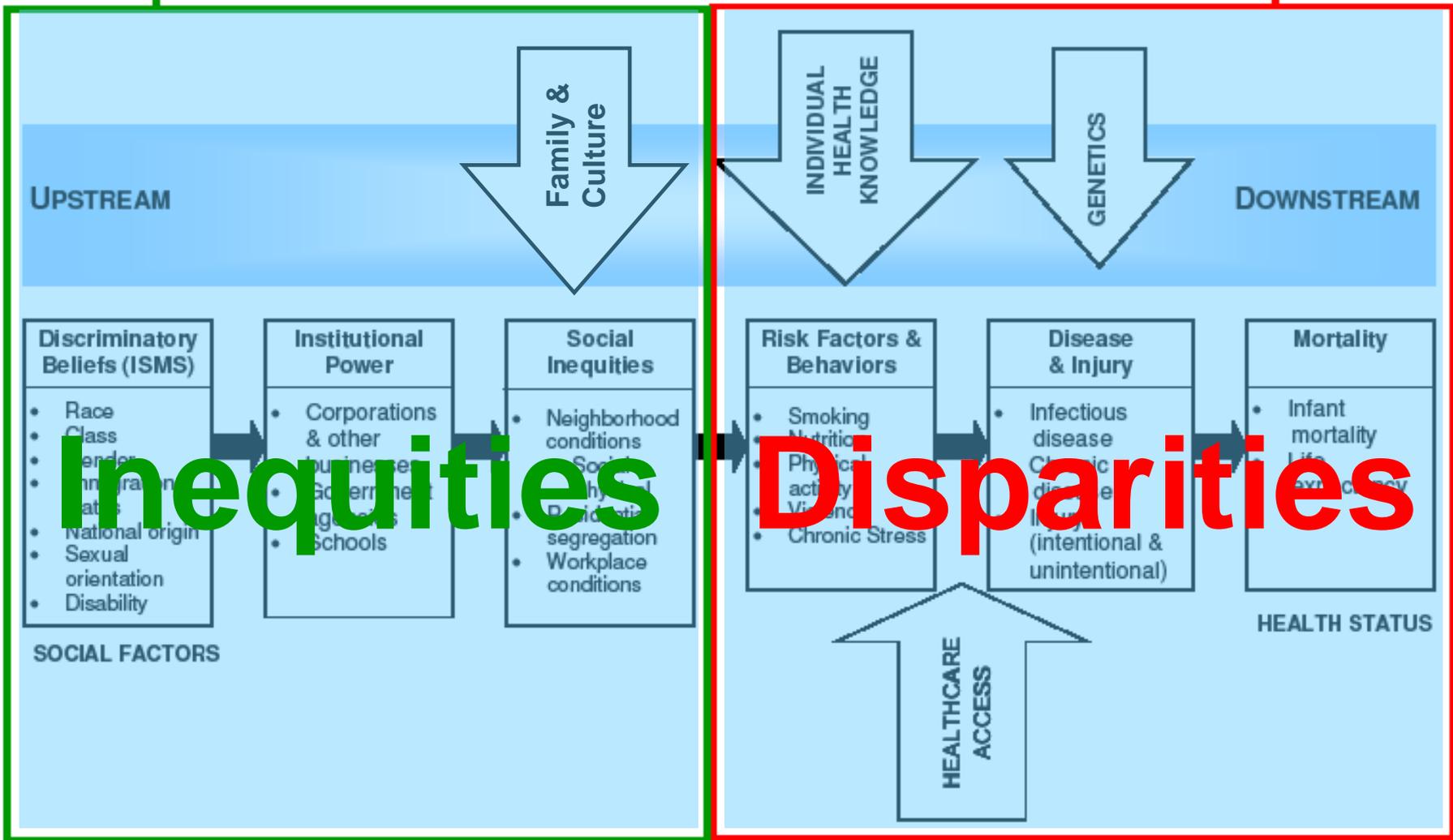
Health Inequities

Health Disparities

A Framework for Health Equity

Socio-Ecological

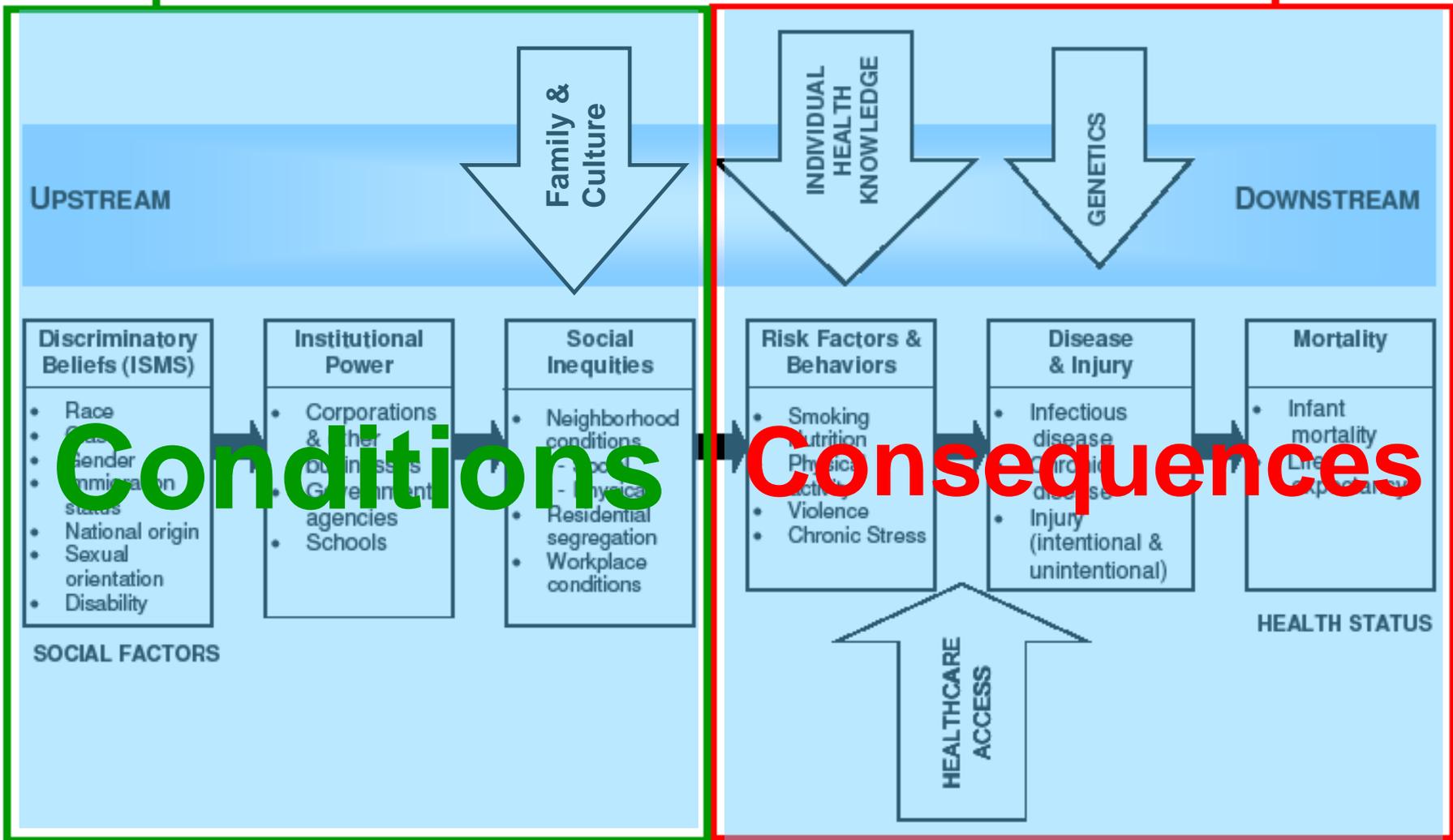
Medical Model



A Framework for Health Equity

Socio-Ecological

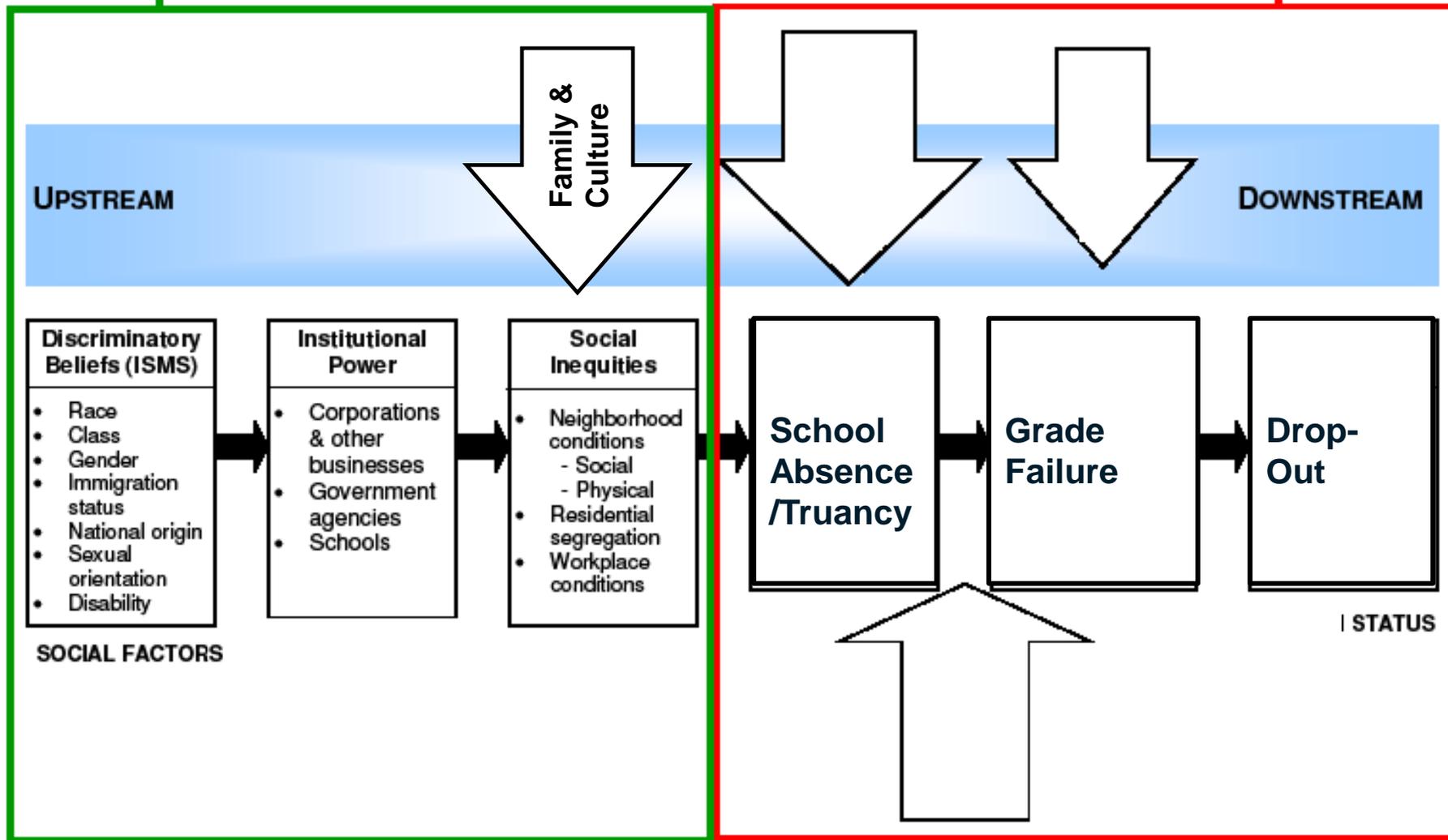
Medical Model



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Socio-Ecological

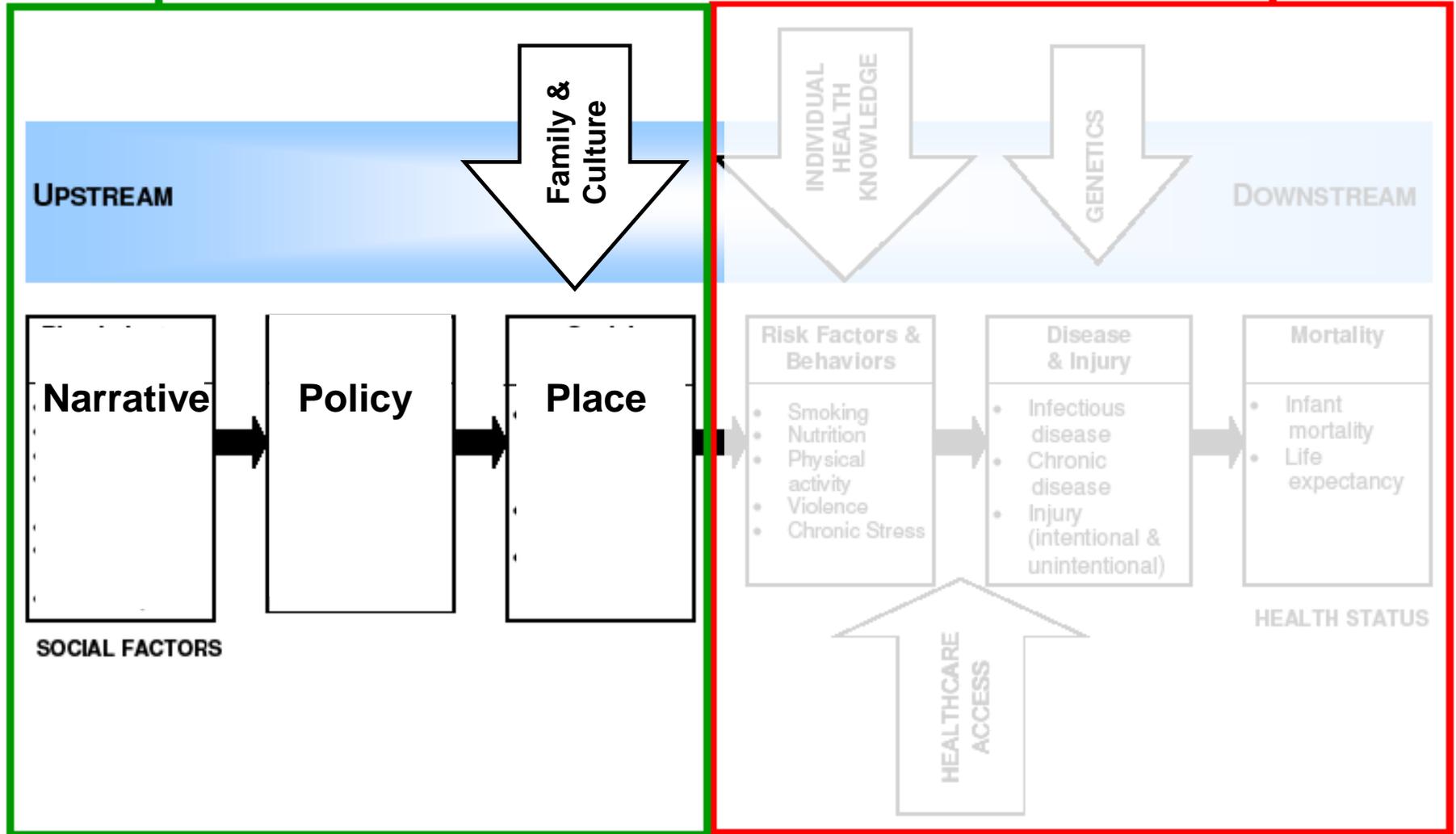
Medical Model



A Framework for Health Equity

Socio-Ecological

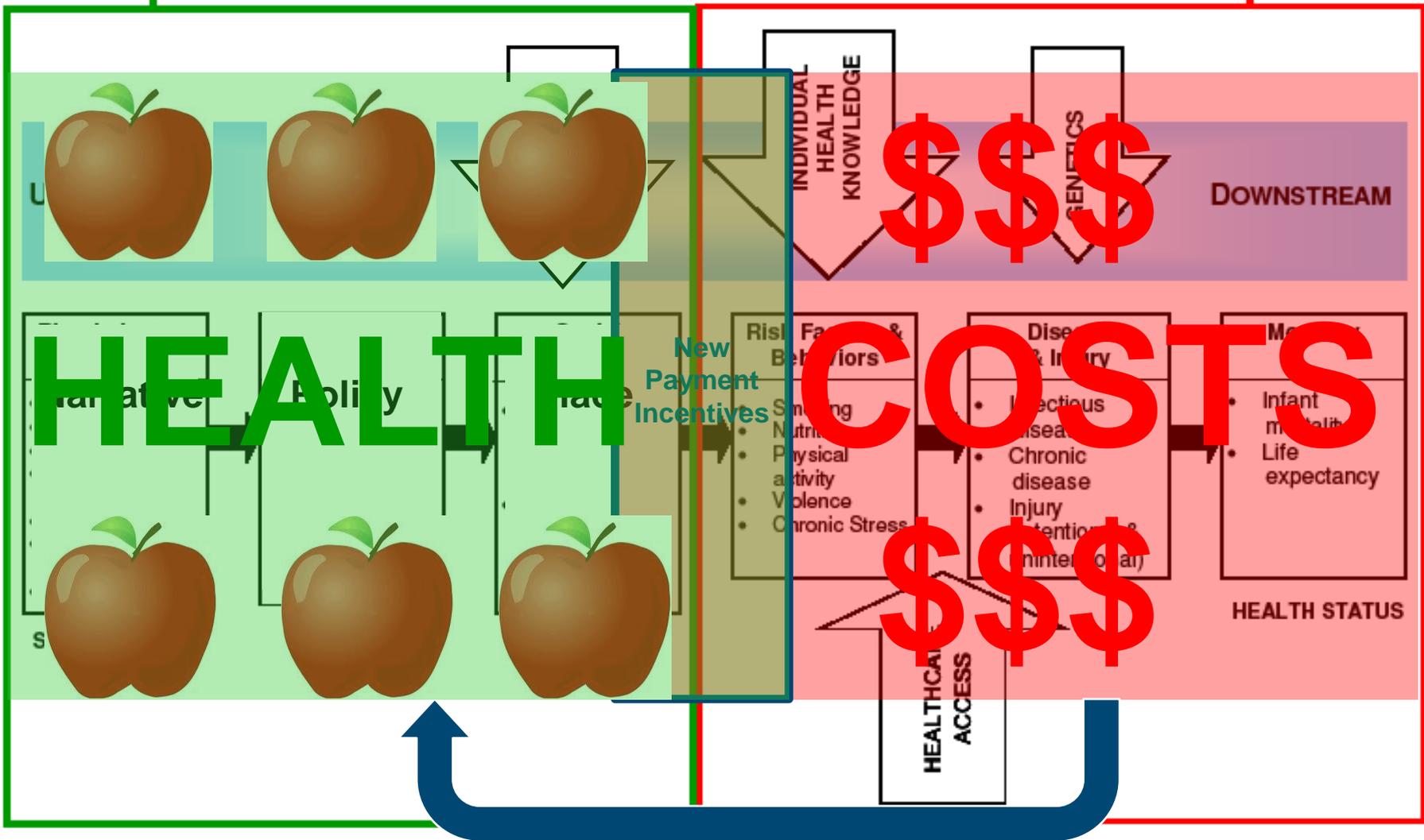
Medical Model



A Framework for Health Equity

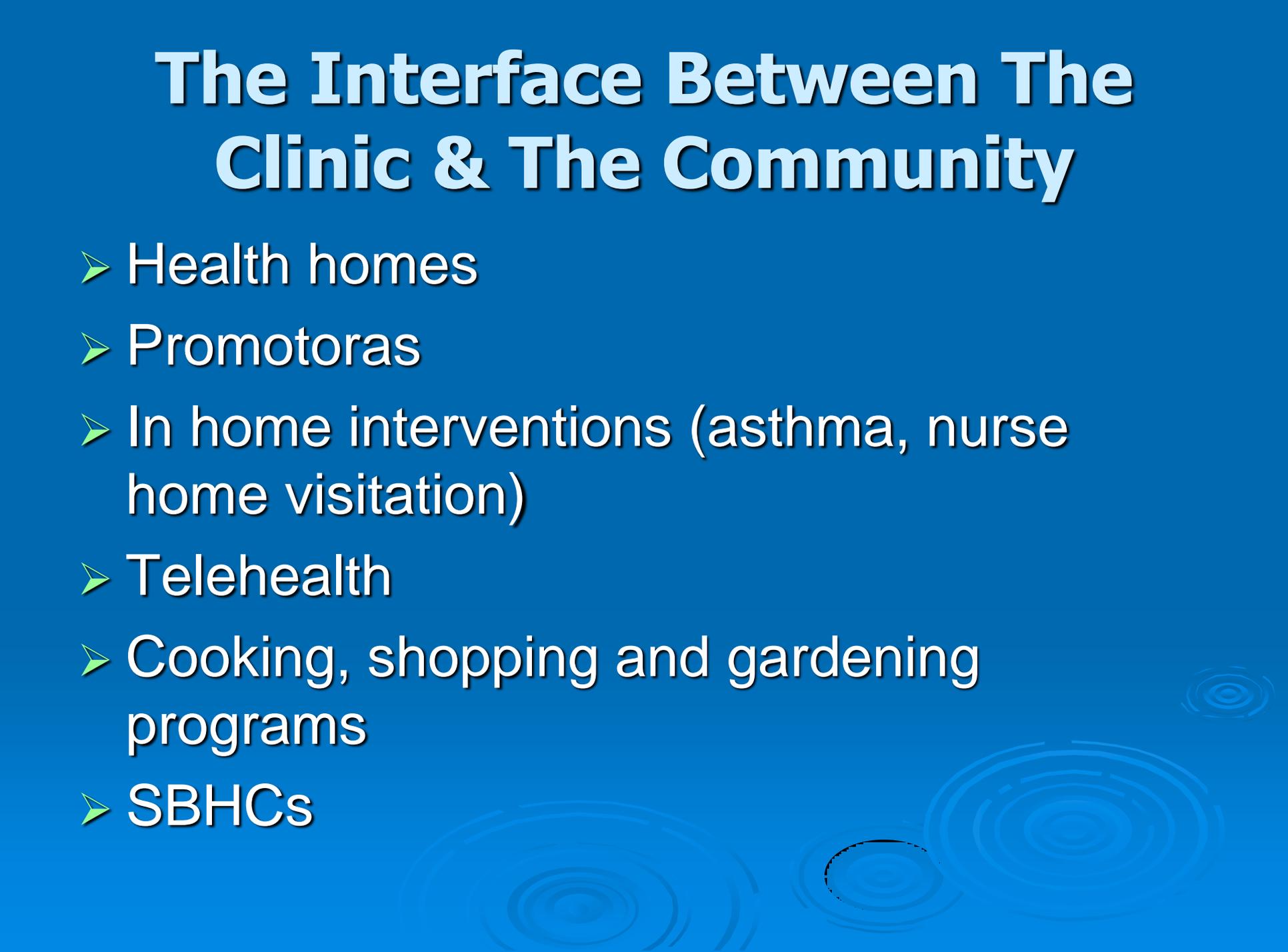
Socio-Ecological

Medical Model



- Adapted by ACPHD from the Bay Area Regional Health Inequities Initiative, Summer 2008

The Interface Between The Clinic & The Community

- Health homes
 - Promotoras
 - In home interventions (asthma, nurse home visitation)
 - Telehealth
 - Cooking, shopping and gardening programs
 - SBHCs
- 

health happens **here**



Contact Information

Tony Iton, MD, JD, MPH
Senior Vice President
The California Endowment

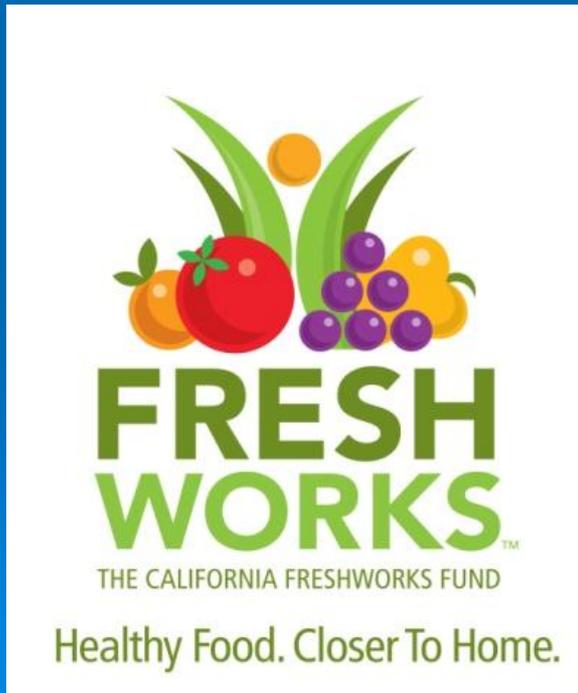
aiton@calendow.org

510 271-4310



The California FreshWorks Fund

The California FreshWorks Fund is a public-private partnership loan fund intended to finance grocery stores and other forms of fresh food retail and distribution in underserved communities throughout CA. It is modeled after the PA Fresh Food Financing Initiative and it has been developed to align with the National Healthy Food Financing Initiative.



Fund Size: \$264 million

Uses of Capital: Loans & Grants to Grocery Stores & Other Fresh Food Retailers & Distributors

Capitalization: Debt & Grants

Program Eligibility: Program Guidelines to be released shortly

Launch: July 2011
