

**When It Comes To Your Health,  
Does Your Zip Code matter  
More Than Your Genetic Code?**

**Healthier Community Conference  
Verdant Health Commission  
Lynnwood, WA 2/27/17**

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

IN THIS TEMPLE  
AS IN THE HEARTS OF THE PEOPLE  
FOR WHOM HE SAVED THE UNION  
THE MEMORY OF ABRAHAM LINCOLN  
IS ENSHRINED FOREVER



FOUR SCORE AND SEVEN YEARS  
AGO OUR FATHERS BROUGHT FORTH  
ON THIS CONTINENT A NEW NATION  
CONCEIVED IN LIBERTY AND DEDICA-  
TED TO THE PROPOSITION THAT ALL  
MEN ARE CREATED EQUAL.  
NOW WE ARE ENGAGED IN A GREAT  
CIVIL WAR TESTING WHETHER THAT  
NATION OR ANY NATION SO CON-  
CEIVED AND SO DEDICATED CAN LONG  
ENDURE. WE ARE MET ON A GREAT  
BATTLEFIELD OF THAT WAR. WE HAVE  
COME TO DEDICATE A PORTION OF  
THAT FIELD AS A FINAL RESTING  
PLACE FOR THOSE WHO HERE GAVE  
THEIR LIVES THAT THAT NATION  
MIGHT LIVE. IT IS ALTOGETHER FIT-  
TING AND PROPER THAT WE SHOULD  
DO THIS. BUT IN A LARGER SENSE  
WE CAN NOT DEDICATE-WE CAN NOT  
CONSECRATE-WE CAN NOT HALLOW-  
THIS GROUND. THE BRAVE MEN LIV-  
ING AND DEAD WHO STRUGGLED HERE  
HAVE CONSECRATED IT FAR ABOVE  
OUR POOR POWER TO ADD OR DETRACT.  
THE WORLD WILL LITTLE NOTE NOR  
LONG REMEMBER WHAT WE SAY HERE  
BUT IT CAN NEVER FORGET WHAT THEY  
DID HERE. IT IS FOR US THE LIVING  
RATHER TO BE DEDICATED HERE TO  
THE UNFINISHED WORK WHICH THEY  
WHO FOUGHT HERE HAVE THUS FAR  
SO NOBLY ADVANCED. IT IS RATHER FOR  
US TO BE HERE DEDICATED TO THE  
GREAT TASK REMAINING BEFORE US-  
THAT FROM THESE HONORED DEAD  
WE TAKE INCREASED DEVOTION TO  
THAT CAUSE FOR WHICH THEY GAVE THE  
LAST FULL MEASURE OF DEVOTION-  
THAT WE HERE HIGHLY RESOLVE THAT  
THESE DEAD SHALL NOT HAVE DIED IN  
VAIN-THAT THIS NATION UNDER GOD  
SHALL HAVE A NEW BIRTH OF FREEDOM-  
AND THAT GOVERNMENT OF THE PEOPLE  
BY THE PEOPLE FOR THE PEOPLE SHALL  
NOT PERISH FROM THE EARTH.

WOULD ACCEPT WAR RATHER  
ISH. AND THE WAR CAME.  
HE WHOLE POPULATION WERE  
OT DISTRIBUTED GENERAL-  
ON BUT LOCALIZED IN THE  
F IT. THESE SLAVES CONSTI-  
AND POWERFUL INTEREST.  
HIS INTEREST WAS SOMEHOW  
WAR. TO STRENGTHEN PER-  
D THIS INTEREST WAS THE  
THE INSURGENTS WOULD  
EN BY WAR WHILE THE GOV-  
NO RIGHT TO DO MORE  
THE TERRITORIAL ENLARGE-  
IER PARTY EXPECTED FOR  
NITUDE OR THE DURATION  
EADY ATTAINED. NEITHER  
HE CAUSE OF THE CONFLICT  
OR EVEN BEFORE THE CON-  
CEASE. EACH LOOKED FOR  
AND A RESULT LESS FUN-  
DUNDING. BOTH READ THE  
Y TO THE SAME GOD AND  
AID AGAINST THE OTHER.  
GE THAT ANY MEN SHOULD  
T GOD'S ASSISTANCE IN  
EAD FROM THE SWEAT OF  
BUT LET US JUDGE NOT  
GED. THE PRAYERS OF BOTH  
VERED. THAT OF NEITHER  
D FULLY. THE ALMIGHTY  
SES. "WOE UNTO THE WORLD  
FOR IT MUST NEEDS BE  
IE BUT WOE TO THAT MAN  
NSE COMETH."

IF WE SHALL SUPPOSE THAT AMERICAN  
SLAVERY IS ONE OF THOSE OFFENSES  
WHICH IN THE PROVIDENCE OF GOD MUST  
NEEDS COME BUT WHICH HAVING CON-  
TINUED THROUGH HIS APPOINTED TIME HE  
NOW WILLS TO REMOVE AND THAT HE  
GIVES TO BOTH NORTH AND SOUTH THIS  
TERRIBLE WAR AS THE WOE DUE TO THOSE BY  
WHOM THE OFFENSE CAME SHALL WE DIS-  
CERN THEREIN ANY DEPARTURE FROM  
THOSE DIVINE ATTRIBUTES WHICH THE  
BELIEVERS IN A LIVING GOD ALWAYS ASCRIBE  
TO HIM. FONDLY DO WE HOPE - FERVENTLY  
DO WE PRAY - THAT THIS MIGHTY SCOURGE  
OF WAR MAY SPEEDILY PASS AWAY. YET IF  
GOD WILLS THAT IT CONTINUE UNTIL ALL  
THE WEALTH PILED BY THE BONDSMAN'S  
TWO HUNDRED AND FIFTY YEARS OF UN-  
REQUITED TOIL SHALL BE SUNK AND  
UNTIL EVERY DROP OF BLOOD DRAWN WITH  
THE LASH SHALL BE PAID BY ANOTHER  
DRAWN WITH THE SWORD AS WAS SAID THREE  
THOUSAND YEARS AGO SO STILL IT MUST  
BE SAID "THE JUDGMENTS OF THE LORD  
ARE TRUE AND RIGHTEOUS ALTOGETHER."

WITH MALICE TOWARD NONE WITH CHARITY  
FOR ALL WITH FIRMNESS IN THE RIGHT AS  
GOD GIVES US TO SEE THE RIGHT LET US  
STRIVE ON TO FINISH THE WORK WE ARE IN  
TO BIND UP THE NATION'S WOUNDS TO CARE  
FOR HIM WHO SHALL HAVE BORNE THE BAT-  
TLE AND FOR HIS WIDOW AND HIS ORPHAN-  
TO DO ALL WHICH MAY ACHIEVE AND CHER-  
ISH A JUST AND LASTING PEACE AMONG  
OURSELVES AND WITH ALL NATIONS.



# US Supreme Court



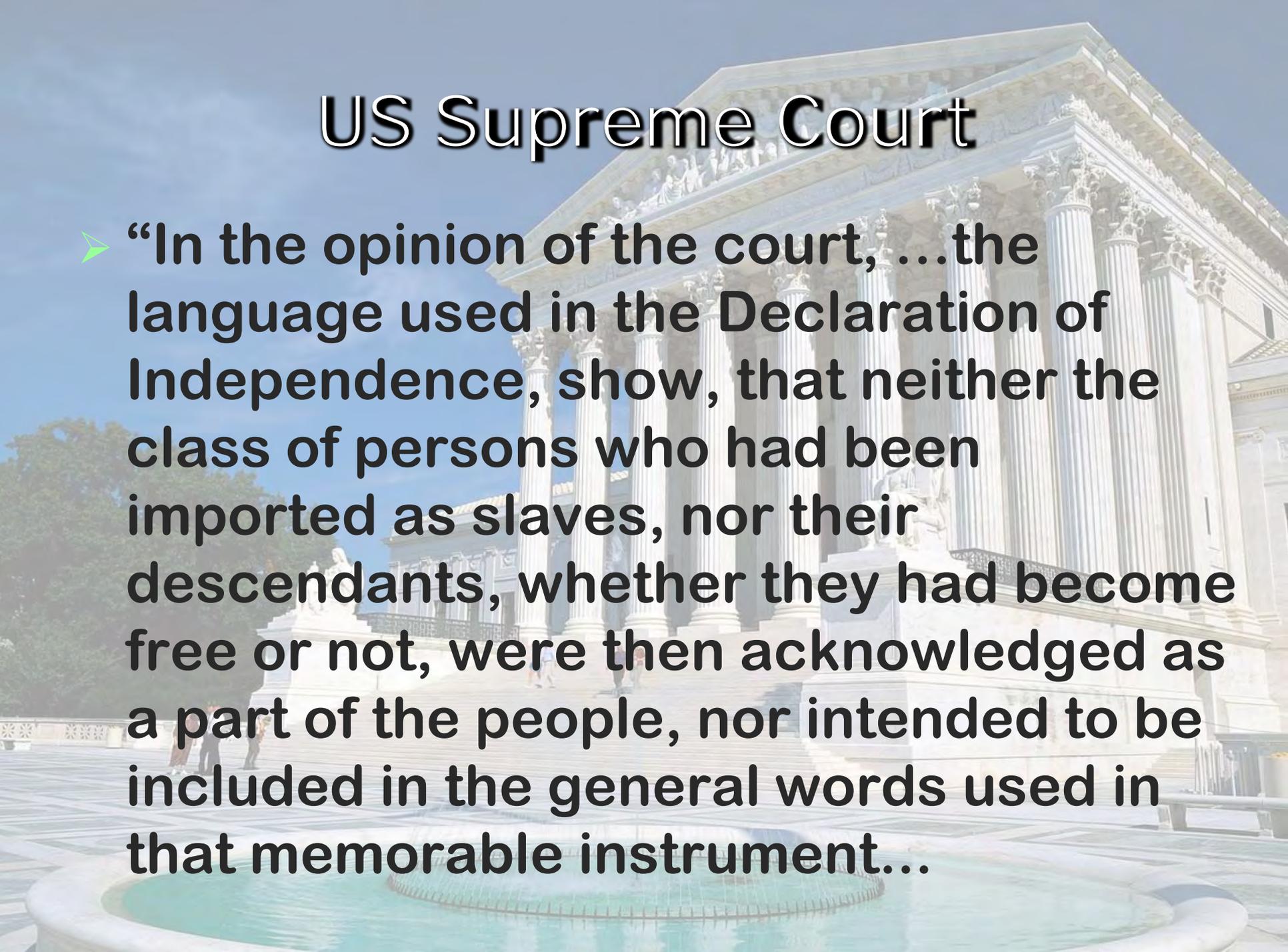
# US Supreme Court

The background of the slide is a photograph of the United States Supreme Court building. The building is a grand neoclassical structure with a prominent portico supported by tall, fluted columns. The pediment above the columns is filled with intricate sculptures. In the foreground, there is a large, circular fountain with water spraying upwards from a central point. The sky is a clear, bright blue.

➤ "There is a race so different from our own that we do not permit those belonging to it to become citizens of the United States. Persons belonging to it are, with few exceptions, absolutely excluded from our country. I allude to the Chinese race.

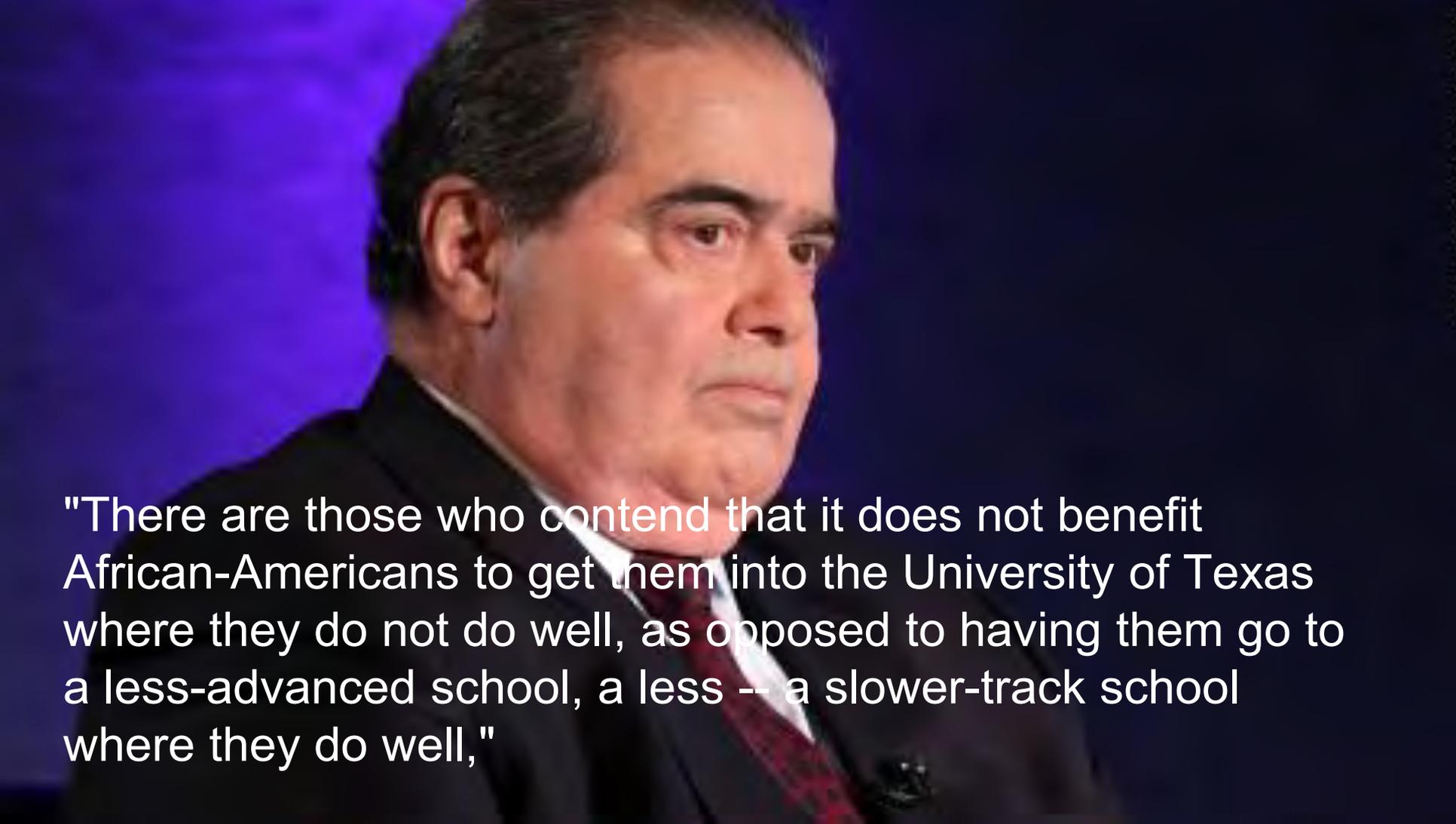
➤ John Marshall Harlan dissenting in Plessy v. Ferguson

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- **“In the opinion of the court, ...the language used in the Declaration of Independence, show, that neither the class of persons who had been imported as slaves, nor their descendants, whether they had become free or not, were then acknowledged as a part of the people, nor intended to be included in the general words used in that memorable instrument...**

# US Supreme Court

The top portion of the image shows the ornate, classical architecture of the US Supreme Court building, featuring a pediment with statues and columns, set against a clear blue sky.A close-up portrait of Justice Clarence Thomas, looking slightly to the right with a serious expression. He is wearing a dark suit, a white shirt, and a dark tie. The background is a solid, deep purple color.

"There are those who contend that it does not benefit African-Americans to get them into the University of Texas where they do not do well, as opposed to having them go to a less-advanced school, a less -- a slower-track school where they do well,"

# Star Spangled Banner



# Why Place Matters

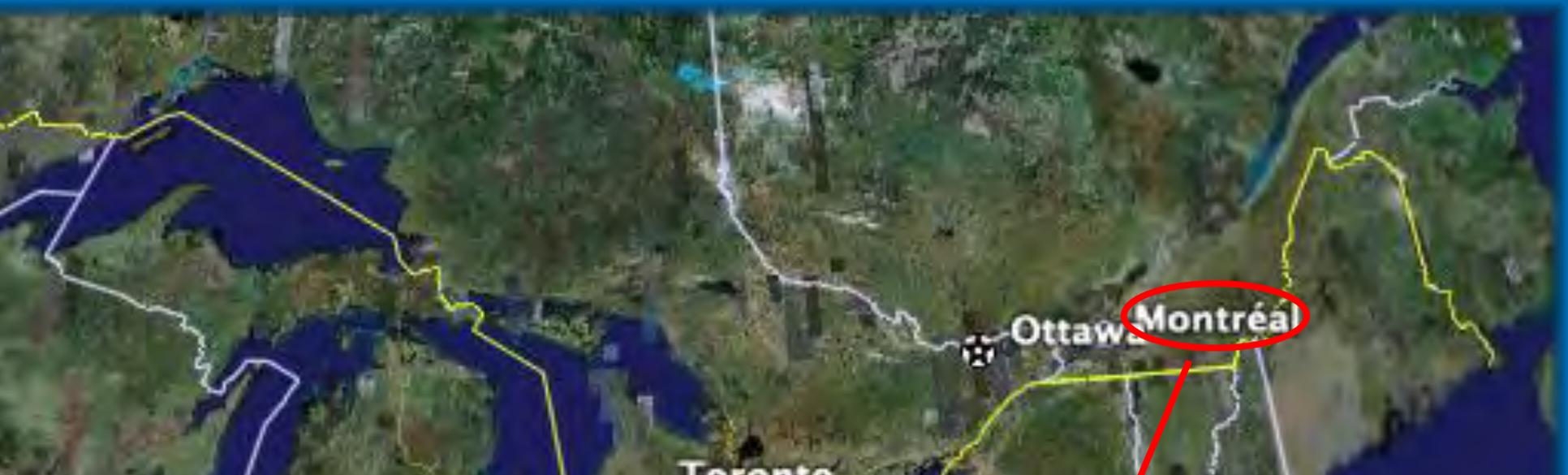




# Canadian Social Contract



- Universal health insurance-Canada Health Act
- Universal dental care to age 10
- Universal child care benefit
- Highly subsidized post secondary education
- High quality community resources-parks, sports leagues, libraries, community centers





LIFE



TIME

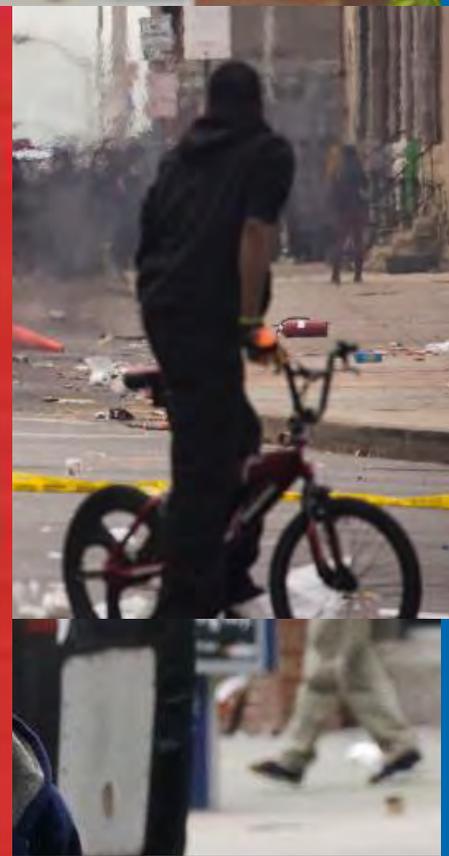
2015

AMERICA, ~~1968~~

WHAT HAS CHANGED.  
WHAT HASN'T.

BY BRANDON VAN DERBEEK

MAX 12 2015



142 cases of HIV linked to illegal drugs

# Indiana HIV outbreak has peaked, officials say

Chris Kenning, The Courier-Journal 3:31 p.m. EDT July 22, 2015

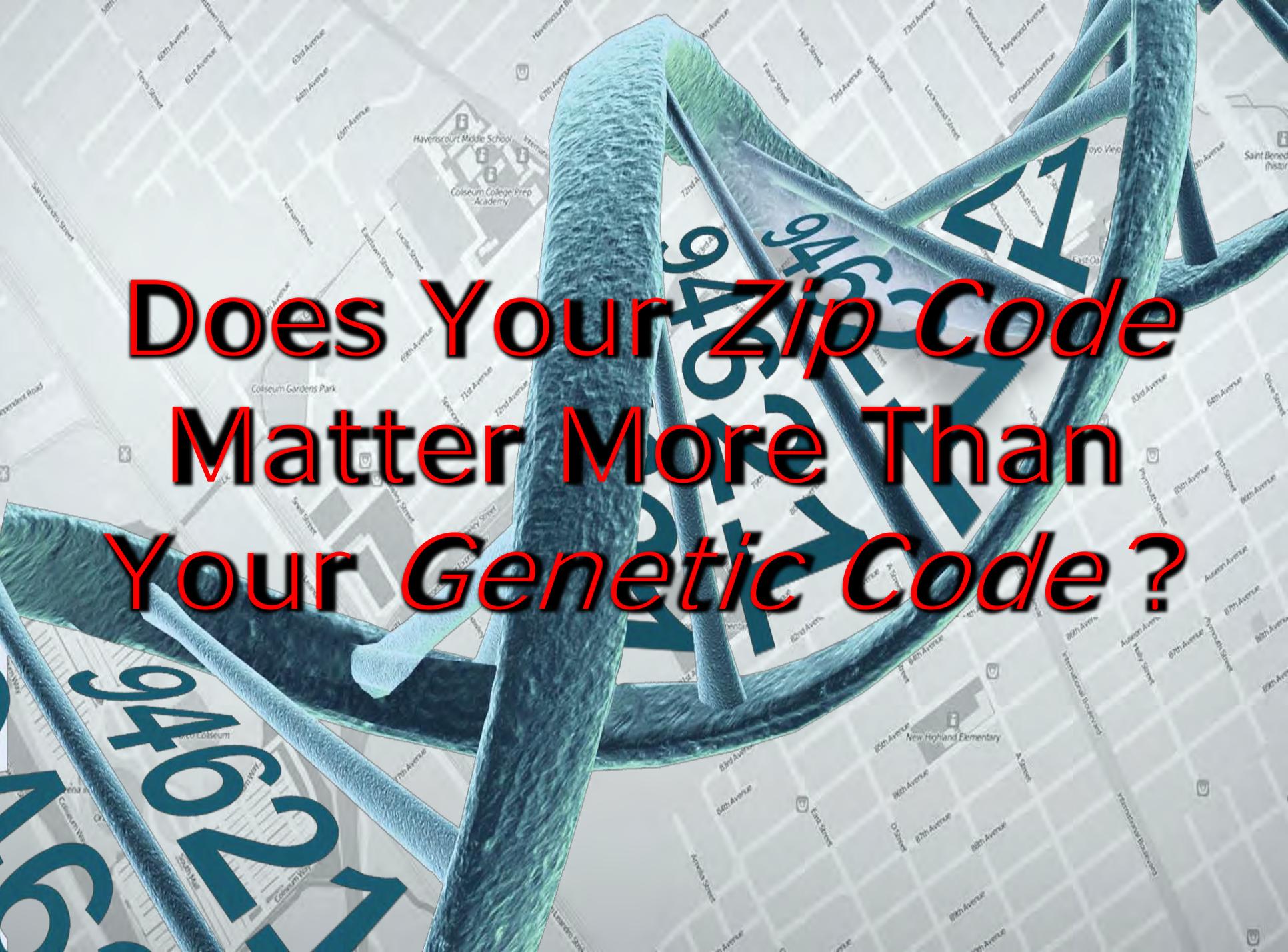


Tammy Breeding sits on her Austin, Ind., porch with her daughter. She made the yard sign to keep away drug dealers and prostitutes she said are still in the area, even as Scott County's HIV outbreak begins to ebb.

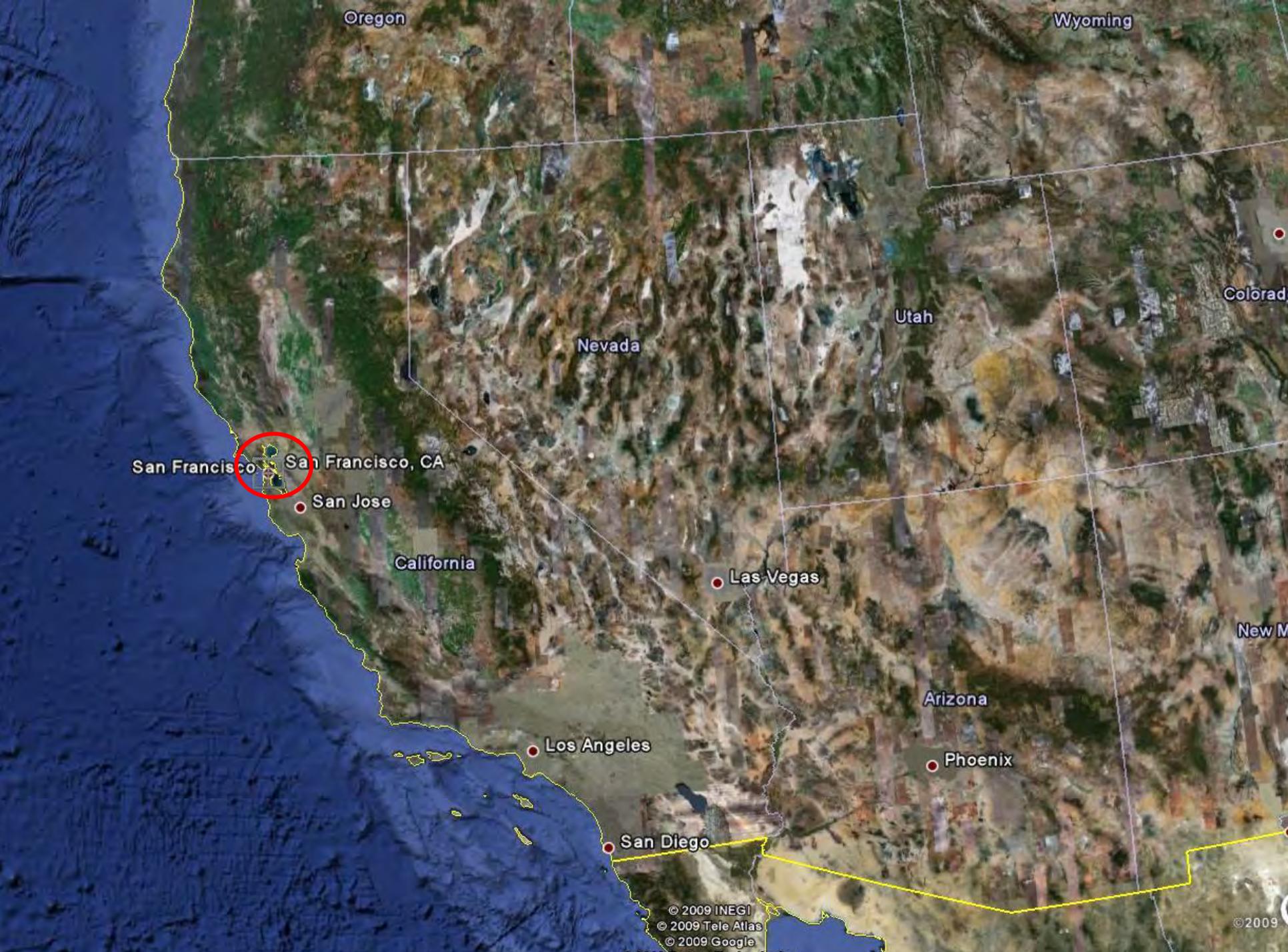




**AMERICA'S  
SOCIAL  
COMPACT**



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



Oregon

Wyoming

Colorado

Utah

Nevada

San Francisco

San Francisco, CA

San Jose

California

Las Vegas

New M

Arizona

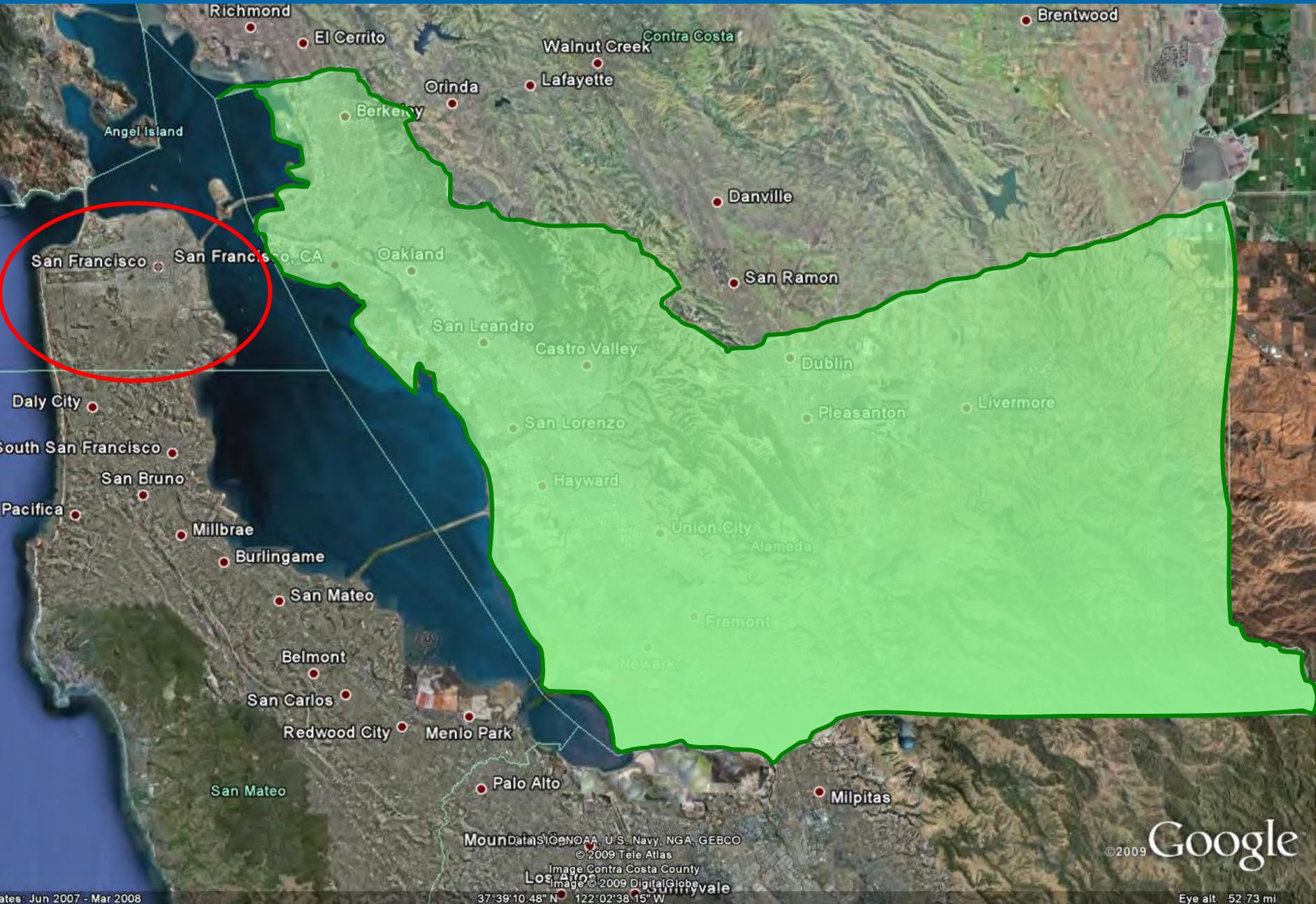
Los Angeles

Phoenix

San Diego

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MARRIETTE FRANCES  
WIFE OF  
WILLIAM ARNOLD SARAH WEBSTER  
DIED 27 JULY 1841  
AGED 61 YEARS

WIFE OF THE ABOVE NAMED  
ANNE SARAH  
WIFE OF WILLIAM ARNOLD  
WHO DEPARTED THIS LIFE  
THE 21ST FEBRUARY  
1841 AGED 42 YEARS

ANNE  
WIFE OF W. S. JOHNSON  
DIED 20 JULY 1841  
AGED 70 YEARS

[Faded inscription]

MY DEAR HUSBAND  
LEONARD SIMPSON  
WHOM GOD CALLED HOME JUNE 7<sup>TH</sup> 1906  
AGED 68 YEARS

"SAFE HOME" SAFE HOME AT LAST  
"FOR EVER WITH THE LORD."

ALSO OF  
JANE  
DEVOTED WIFE OF THE ABOVE.  
CALLED HOME AUGUST 20<sup>TH</sup> 1910  
AGED 73 YEARS

"SLEEP ON, BELOVED!"  
ALSO IN REMEMBRANCE  
OF MRS. BEGGIE LEGG  
DIED NOVEMBER  
1881 AGED 81 YEARS

WIFE OF  
MILY ELIZABETH  
BELOVED WIFE OF  
A. J. MAHON  
DAUGHTER OF  
JOSEPH ELIZABETH SMITH  
DIED 5<sup>TH</sup> AUGUST 1881



SACRED TO THE MEMORY OF  
CATHERINE  
THE DEARLY BELOVED WIFE OF  
JOHN SMITH  
OF DOWNSALL ROAD, ST. MARK'S  
WHO DEPARTED THIS LIFE  
AUGUST 1881  
AGED 74 YEARS

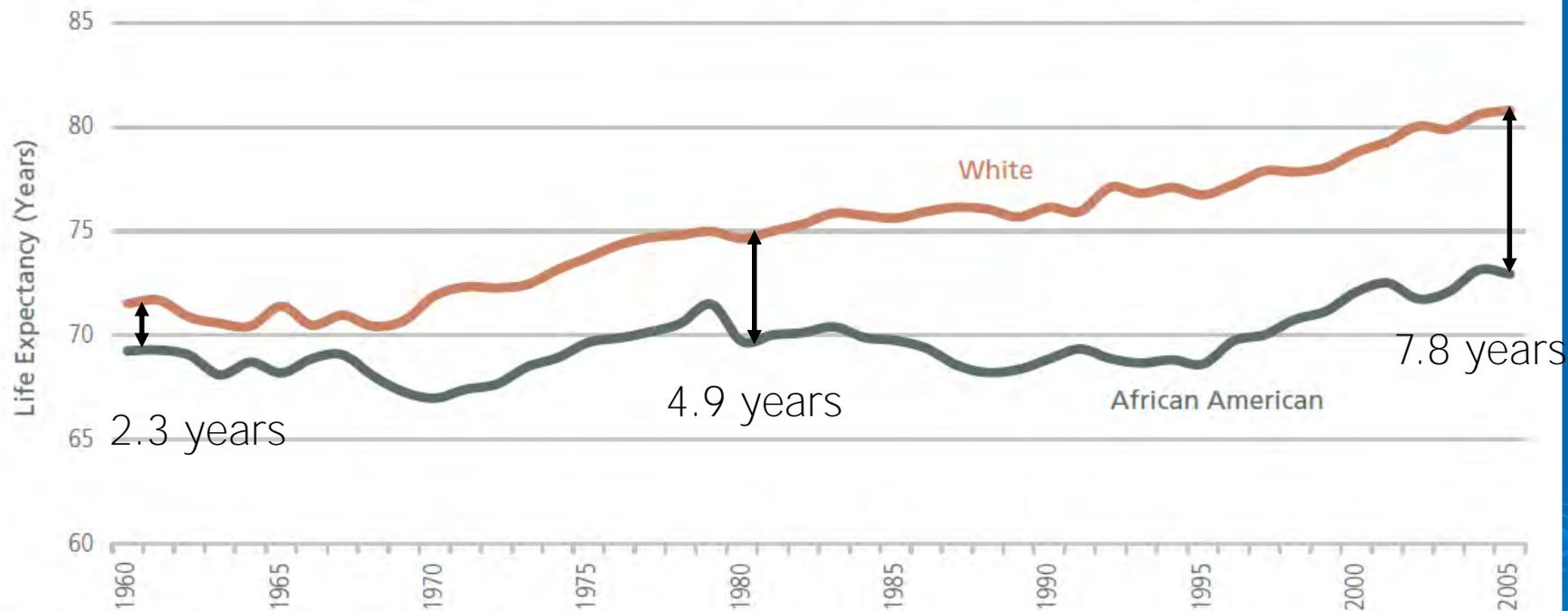
FIFTY YEARS YET SHE HAD BEEN  
TWO MONTHS ILL AND SHE  
THE CALL OF  
TO BE WITH JESUS  
WAS HIS TO TAKE HER

PRIVATE GRAVE OF JAMES C. SMITH  
WILLIAM GIBBS

ALSO  
JOHN SMITH  
HUSBAND OF THE ABOVE  
WHO DEPARTED THIS LIFE  
MARCH 5<sup>TH</sup> 1905

# Race and Racism Matters: Health Inequities by Race/Ethnicity

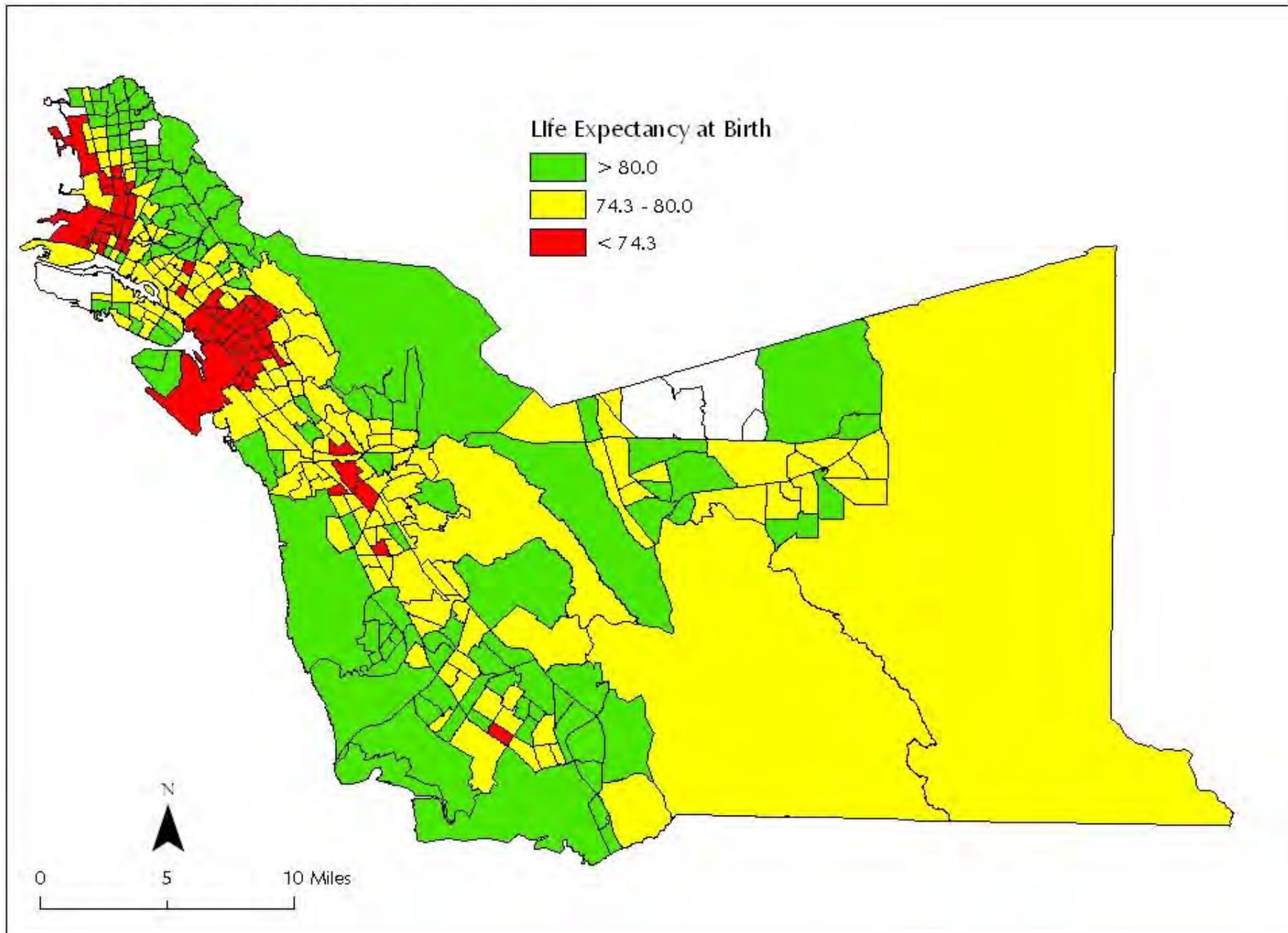
Figure 5: Historical Life Expectancy at Birth, Alameda County

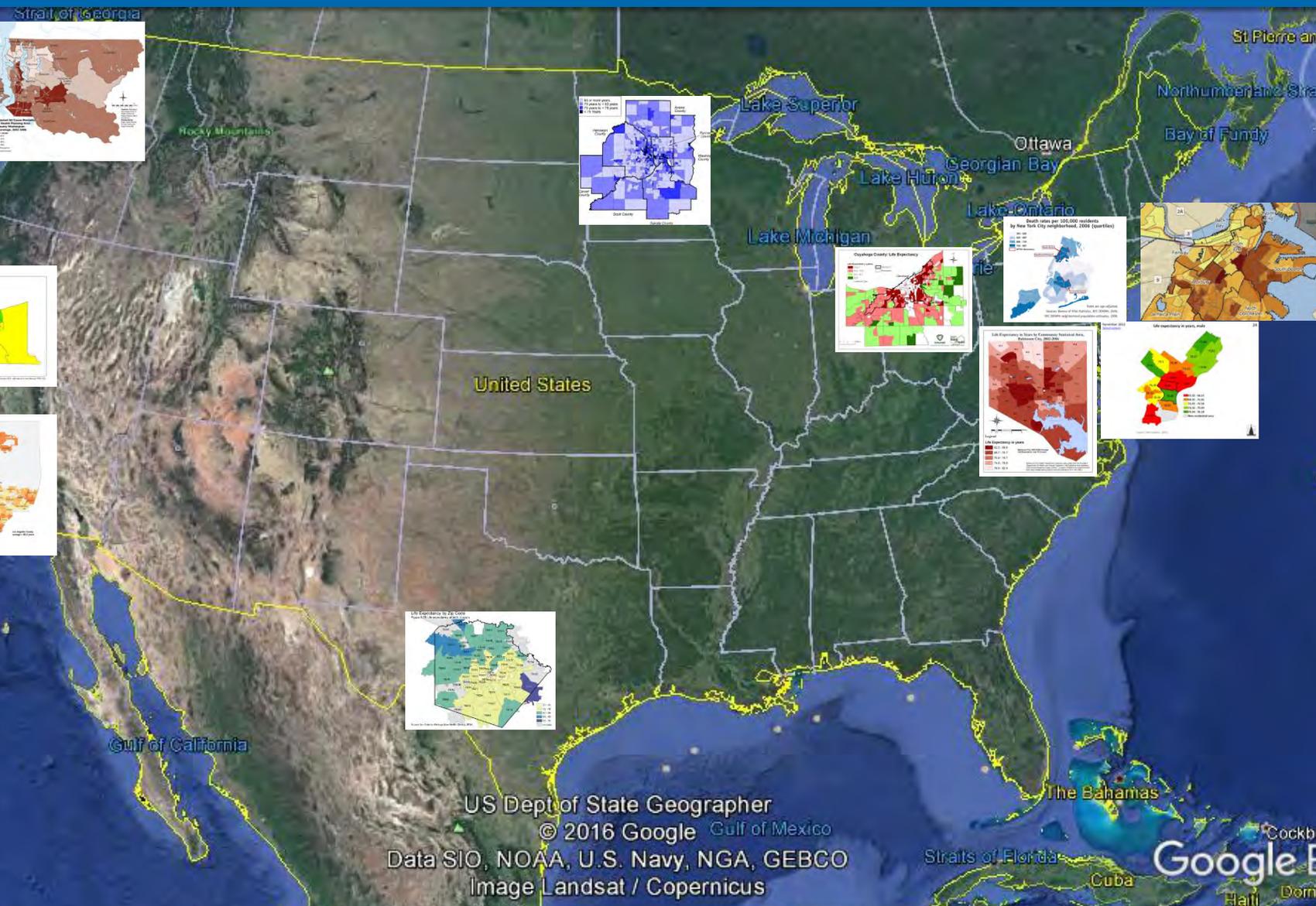
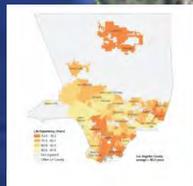
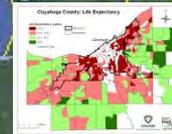
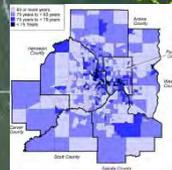


Note: White and African American defined regardless of Latino origin.

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

# Life Expectancy by Tract



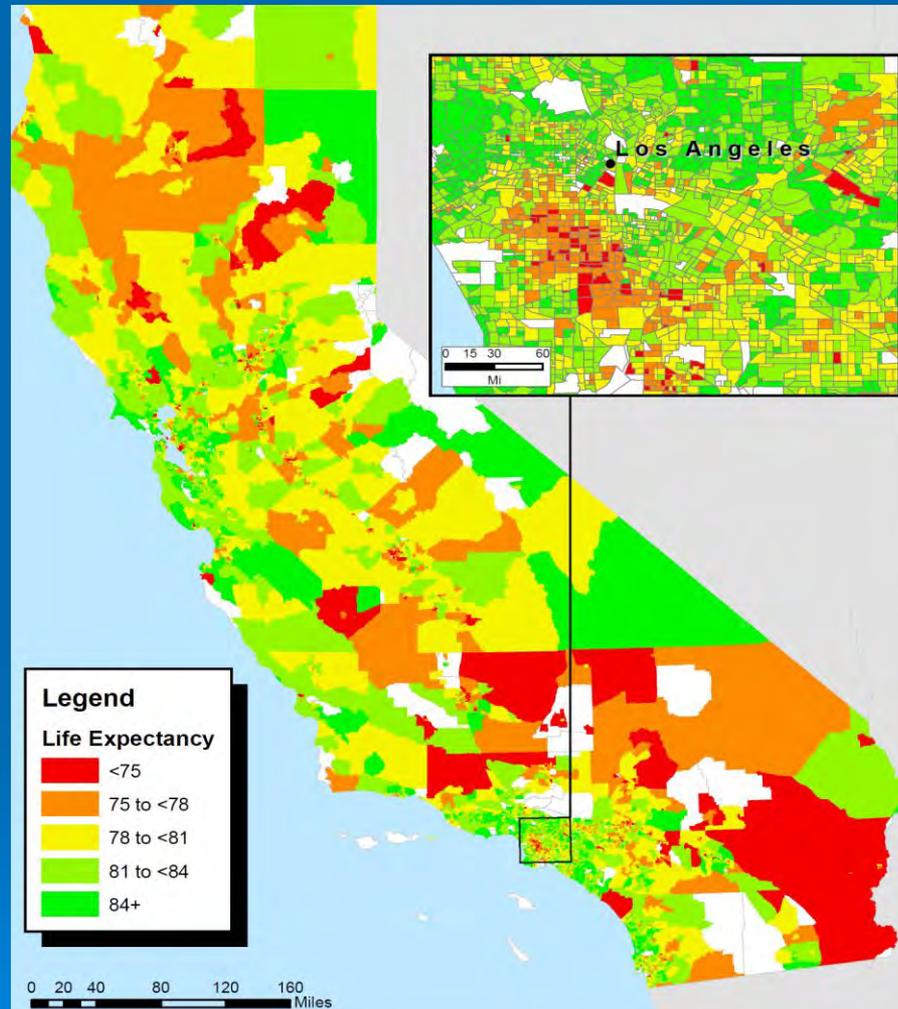


US Dept of State Geographer  
 © 2016 Google  
 Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
 Image Landsat / Copernicus

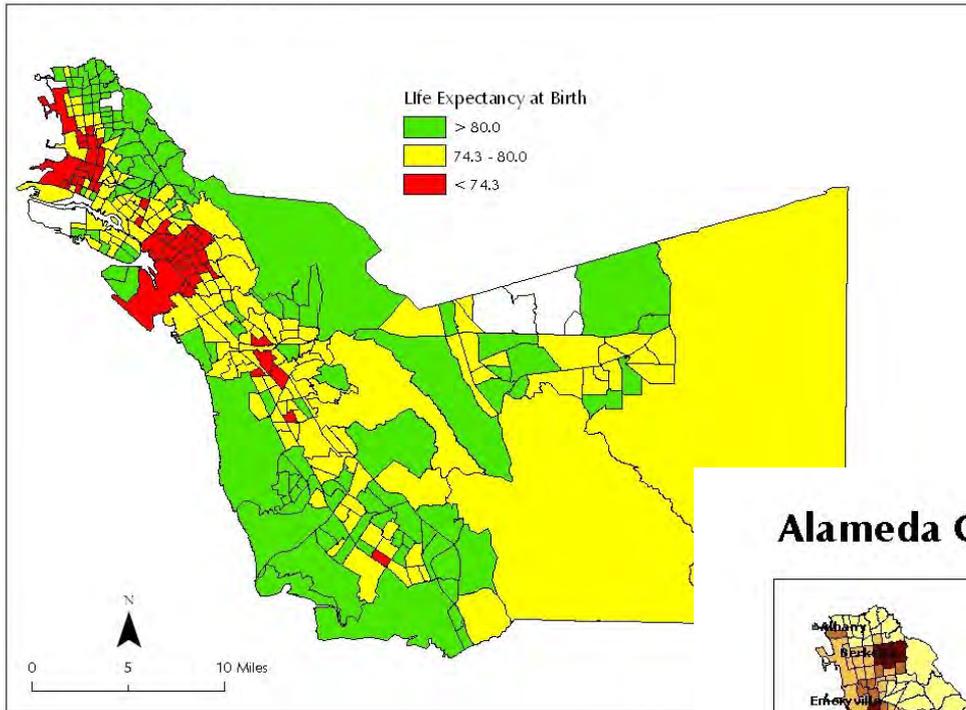
Google Earth

Imagery Date: 12/13/2015 36°25'07.84" N 95°11'55.15" W elev 820 ft eye alt 2840.16

# Life expectancy by census tract

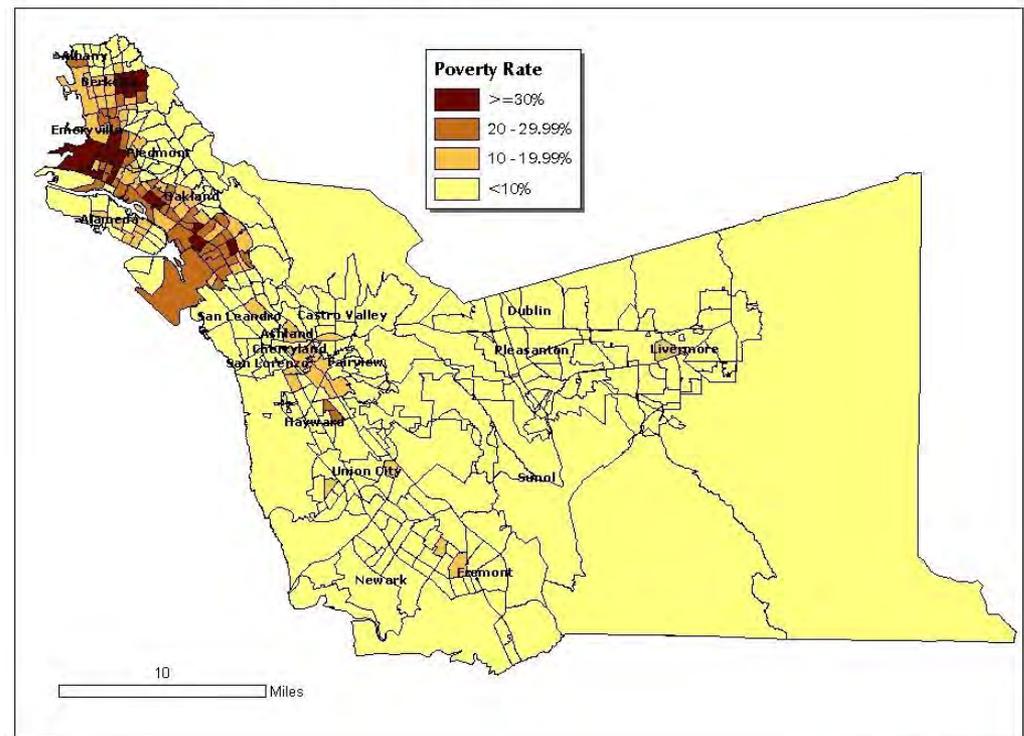


## Life Expectancy by Tract



Source:

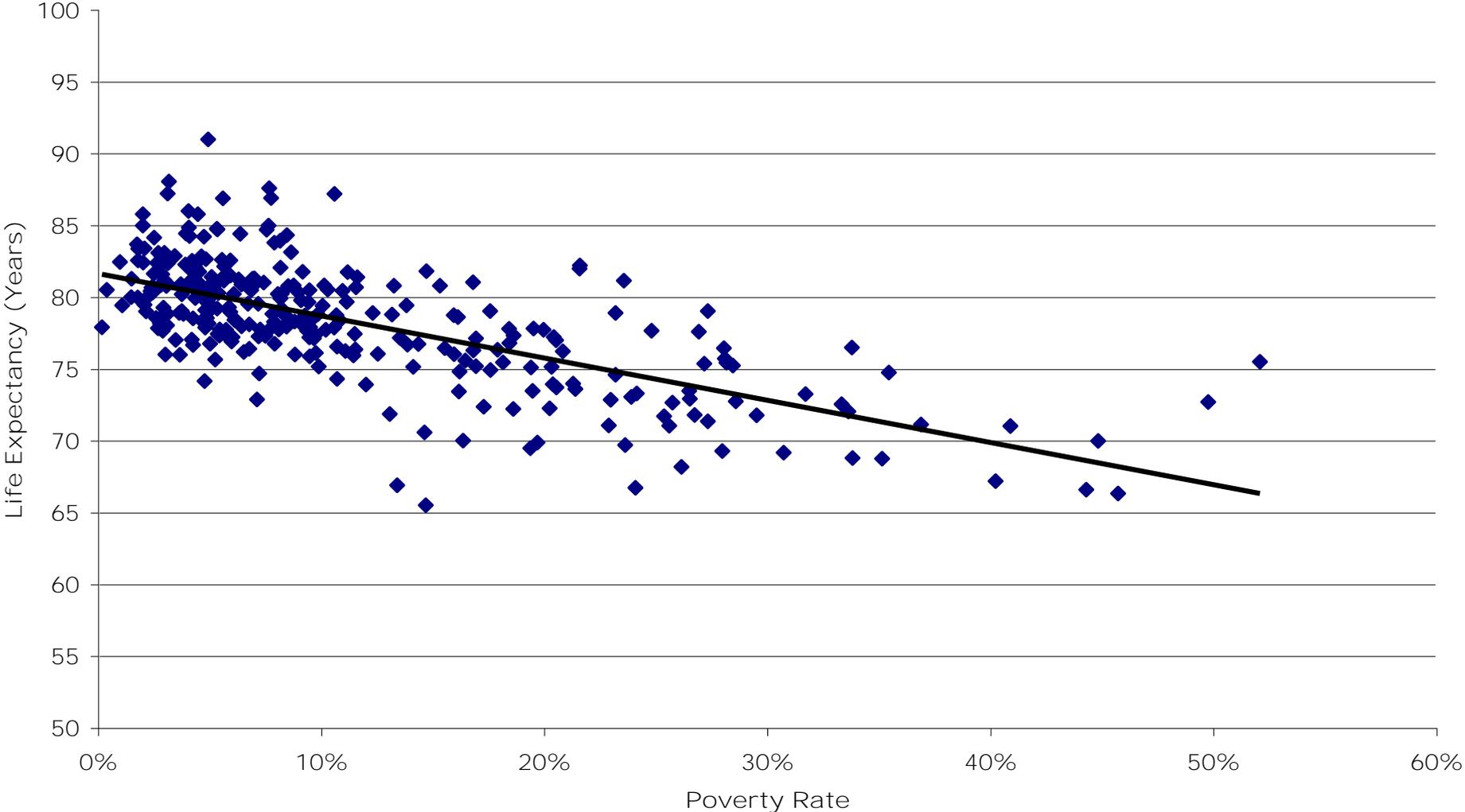
## Alameda County Poverty



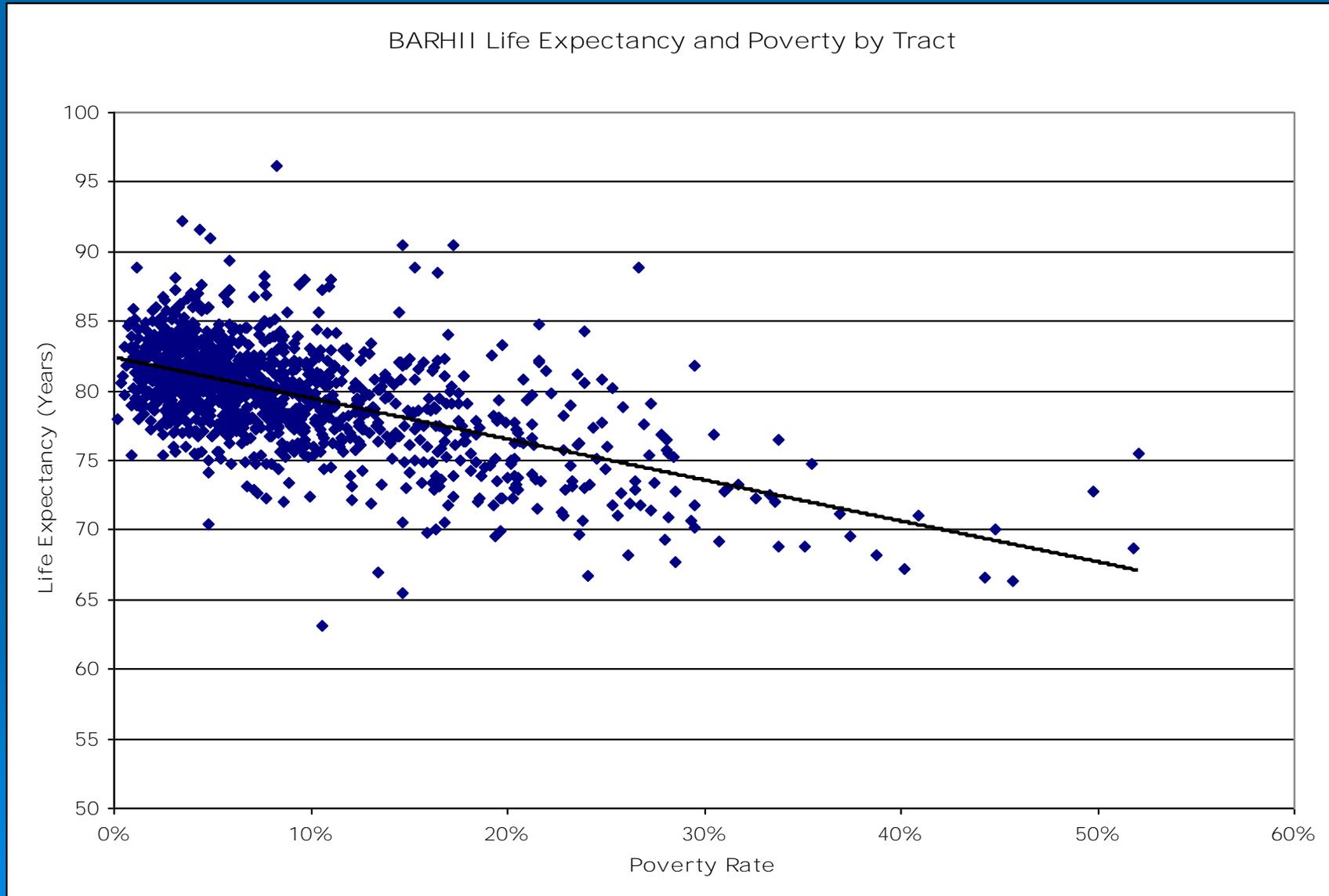
Source: CAPE; Census 2000.

# Life Expectancy by Poverty Group 2000-2003

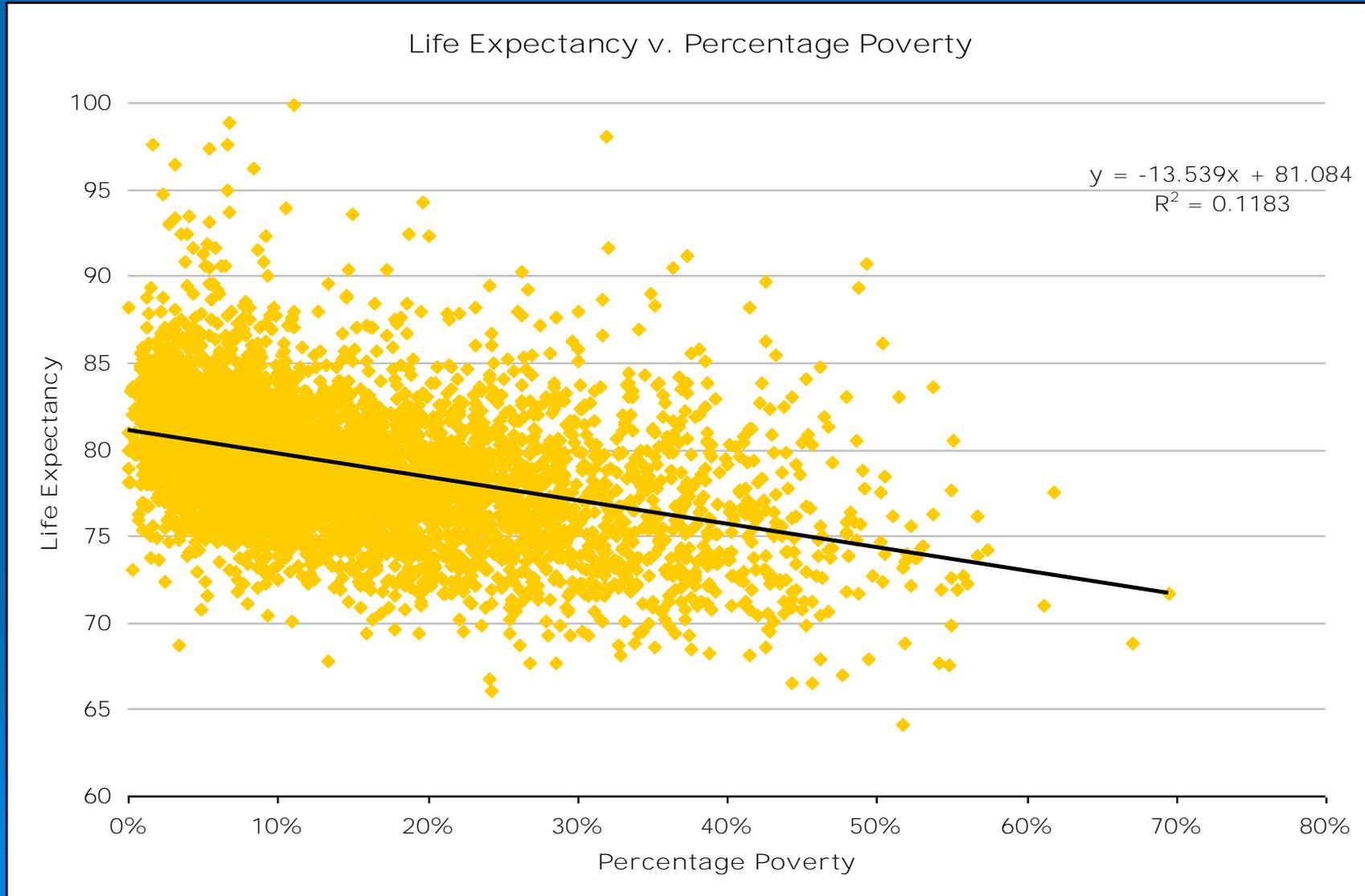
Alameda County



# Bay Area Poverty vs. Life Expectancy



# 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)***

DECEMBER 11, 2005

Why Obama  
Wants a Team  
Of Rivals

Justin Fox  
On How to  
Save GM

Should You  
Buy a  
Windmill?

# TIME

Ahhh...

Ohhh...

**Annual Checkup**

## The Sorry State of American Health

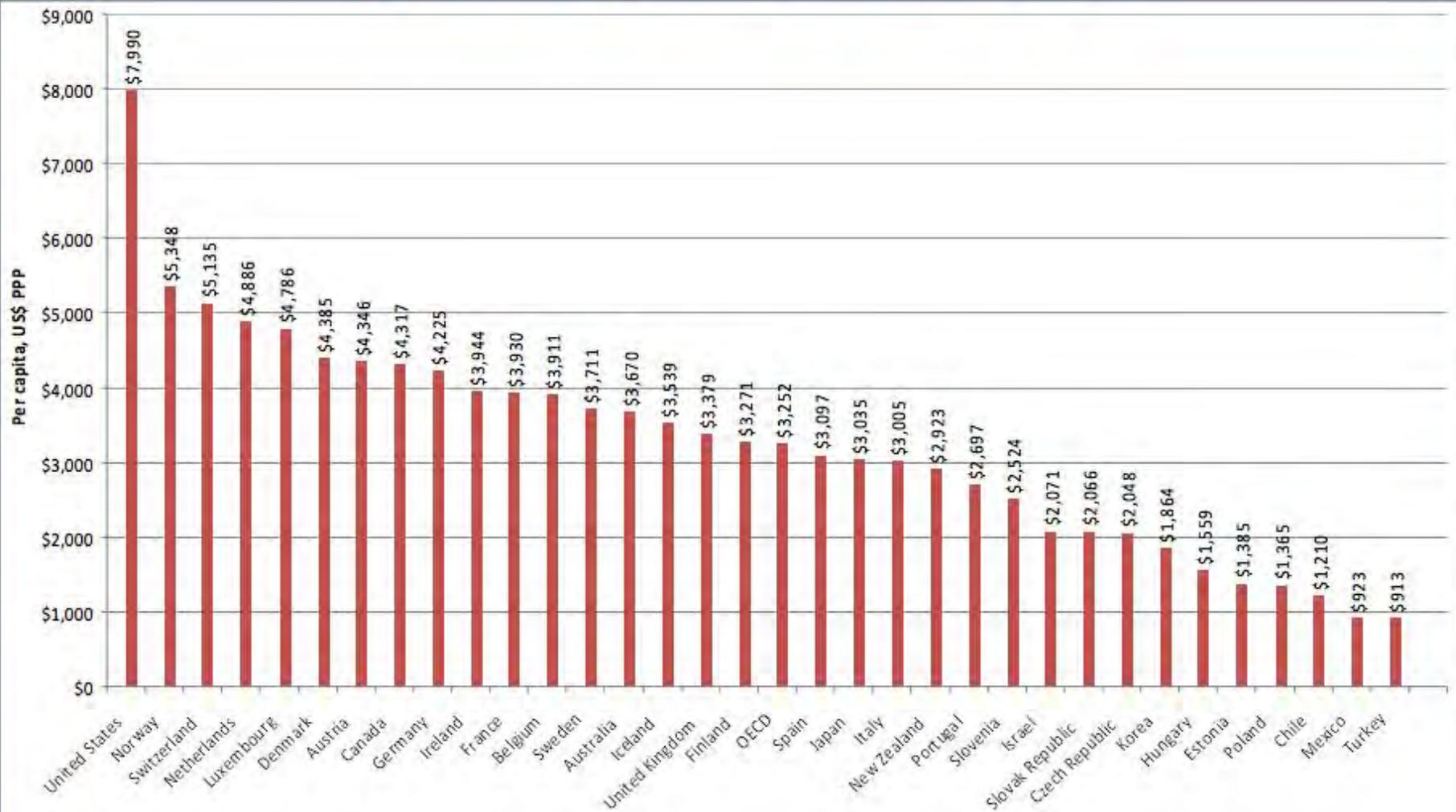
Despite advances in medicine, Americans are less healthy than we used to be, and the next generation may be even worse off. How to reverse the trend—before it's too late

PLUS: The Year in Medicine A-Z

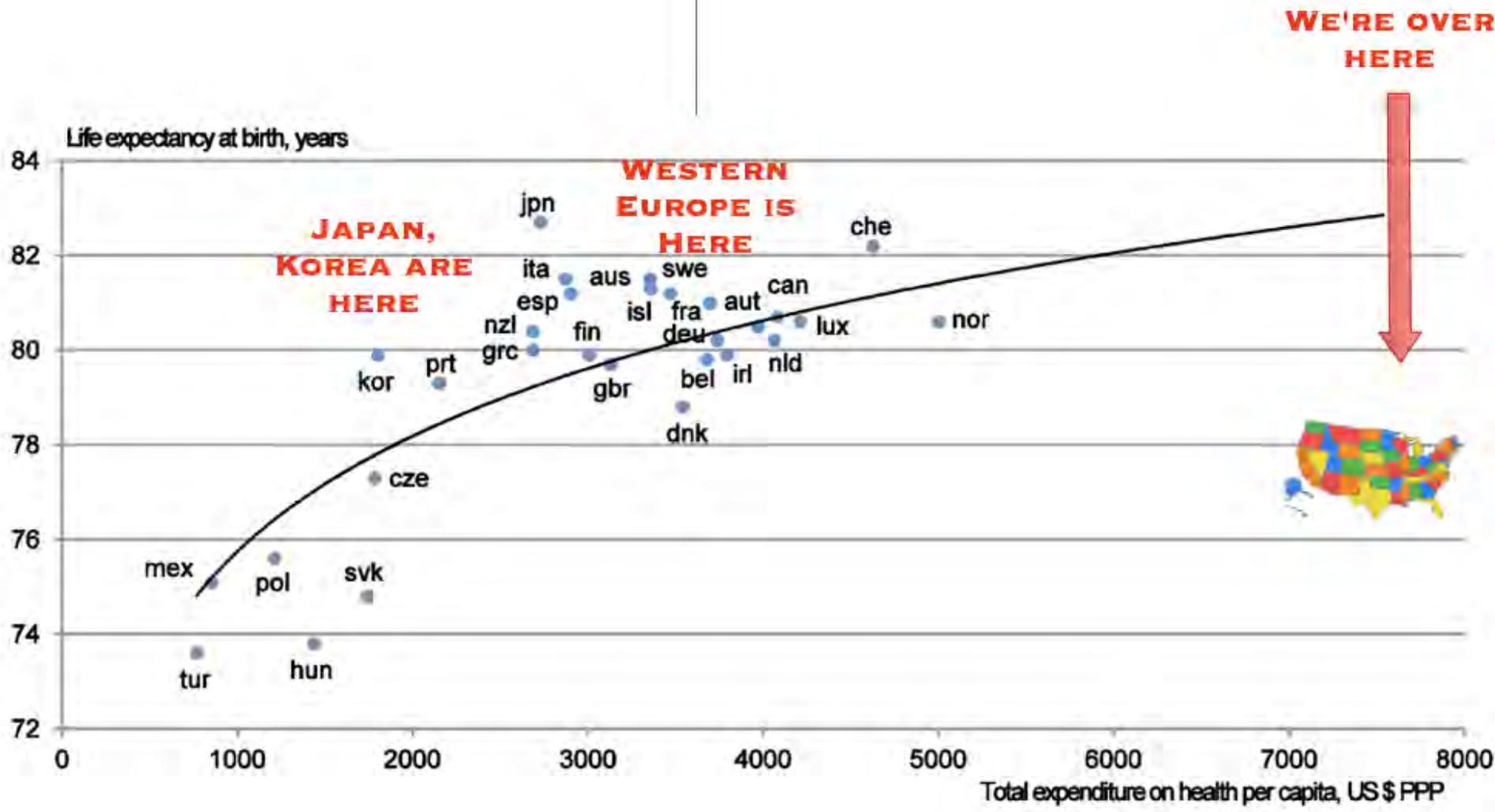
How

Ve?

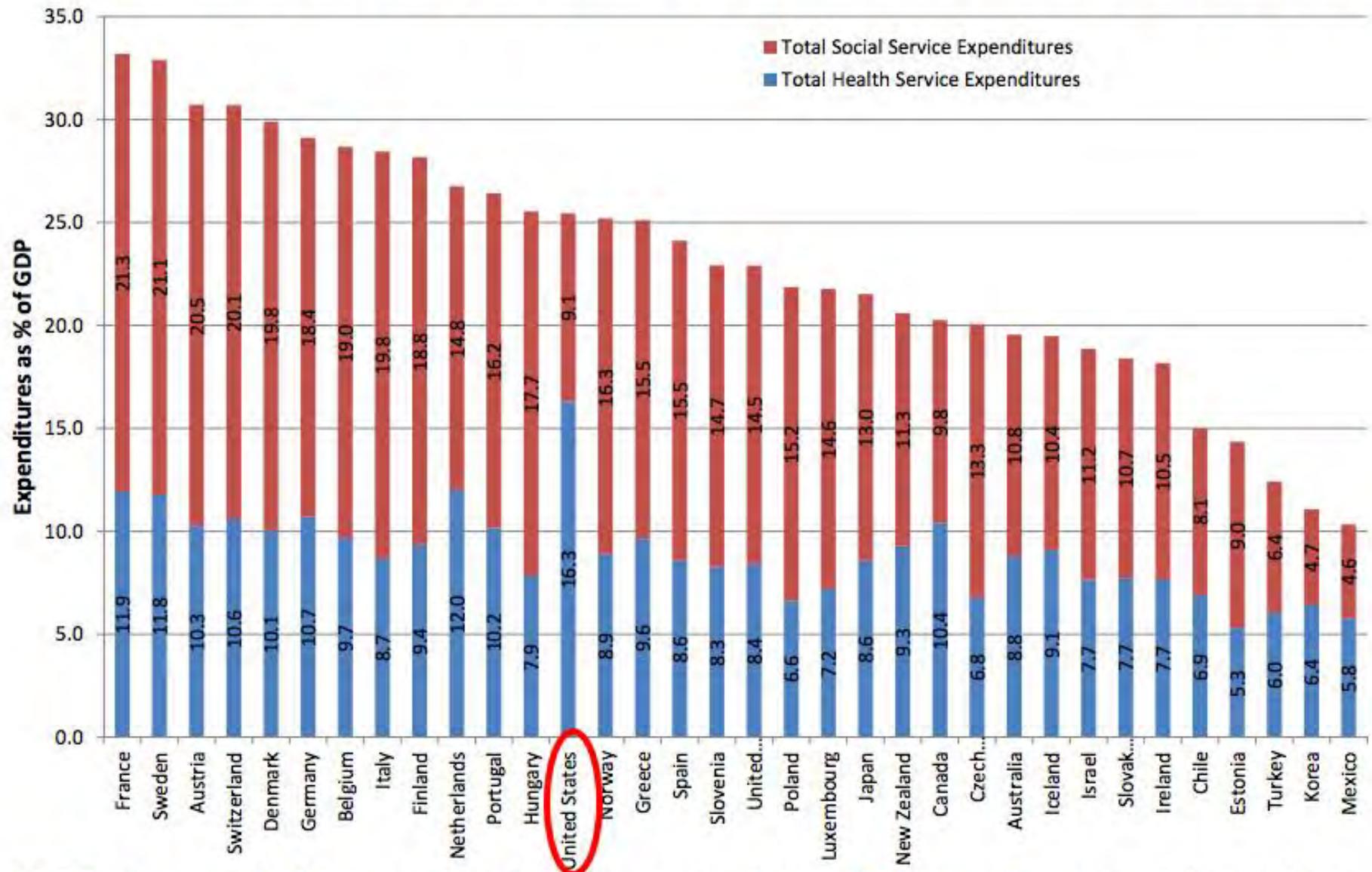
# Spending on health care



Data downloaded from OECD.StatExtracts. Available at [stats.oecd.org](https://stats.oecd.org)



# Total health care investment in US is *less*



In OECD, for every \$1 spent on health care, about \$2 is spent on social services  
In the US, for \$1 spent on health care, about 55 cents is spent on social services