

SOC 3510; WEEK 4, 9/13

BIOMEDICAL MODELS AND EPIGENETICS



CHANGES MADE TO DSM-5

- Addiction Disorders
 - “Gambling Disorder”
 - “Caffeine Withdrawal,”
“Cannabis Withdrawal”
 - “Binge Eating Disorder” -
Binging even once a week
(NOTE: this is not bulimia)
- Childhood and Adolescent Disorders
 - “Temper Dysregulation Disorder with dysphoria”
- Sleep-Wake Disorders
 - “Restless leg syndrome”
- Gender-Specific Disorders
 - “Premenstrual Dysphoric Disorder”
- Sexual and Gender Identity Disorders
 - “Gender identity disorder” to be retained as “Gender Dysphoria”

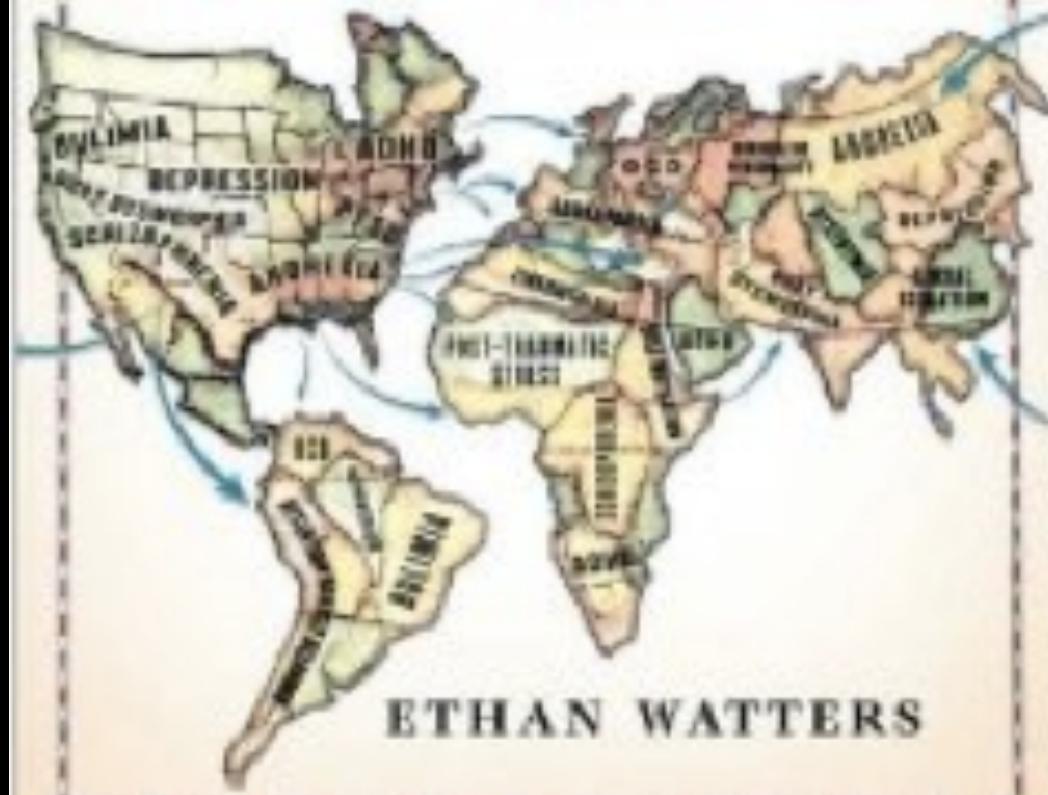
ETHAN WATTERS

THE SHIFTING
MASK OF
SCHIZOPHRENIA
IN ZANZIBAR

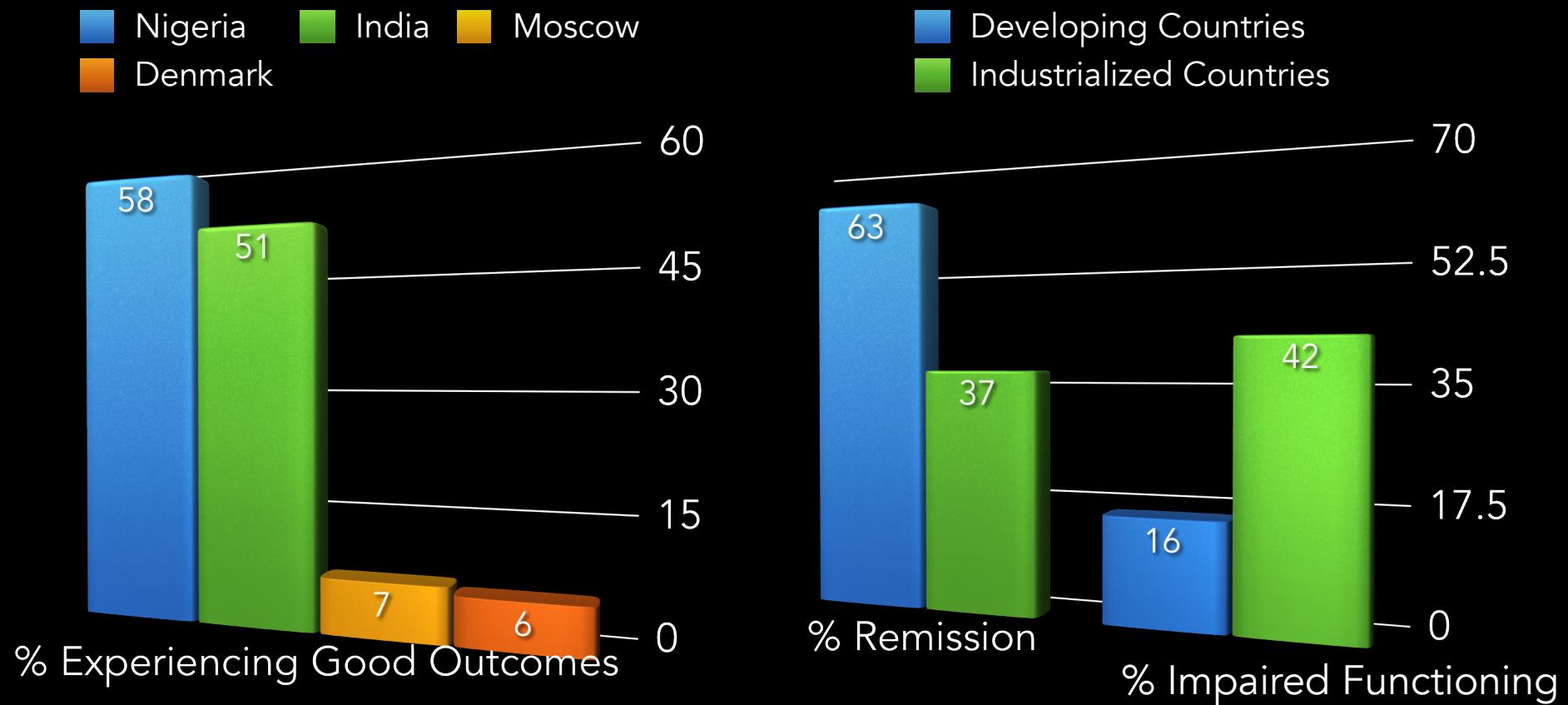
"*Cross Like No's* is a brilliant and truly original work of reporting and analysis, unearthing America's role in humanizing how the world defines wellness and healing."

— THE —
GLOBALIZATION
OF THE
AMERICAN PSYCHE

Crazy Like Us



SCHIZOPHRENIA RATES



Data from World Health Assembly Longitudinal Study (Early-to-Mid 1990s)

CULTURAL DIFFERENCES

- Fundamental cause of schizophrenia?
- Cultural variation in symptoms
- Reaction to those diagnosed with schizophrenia

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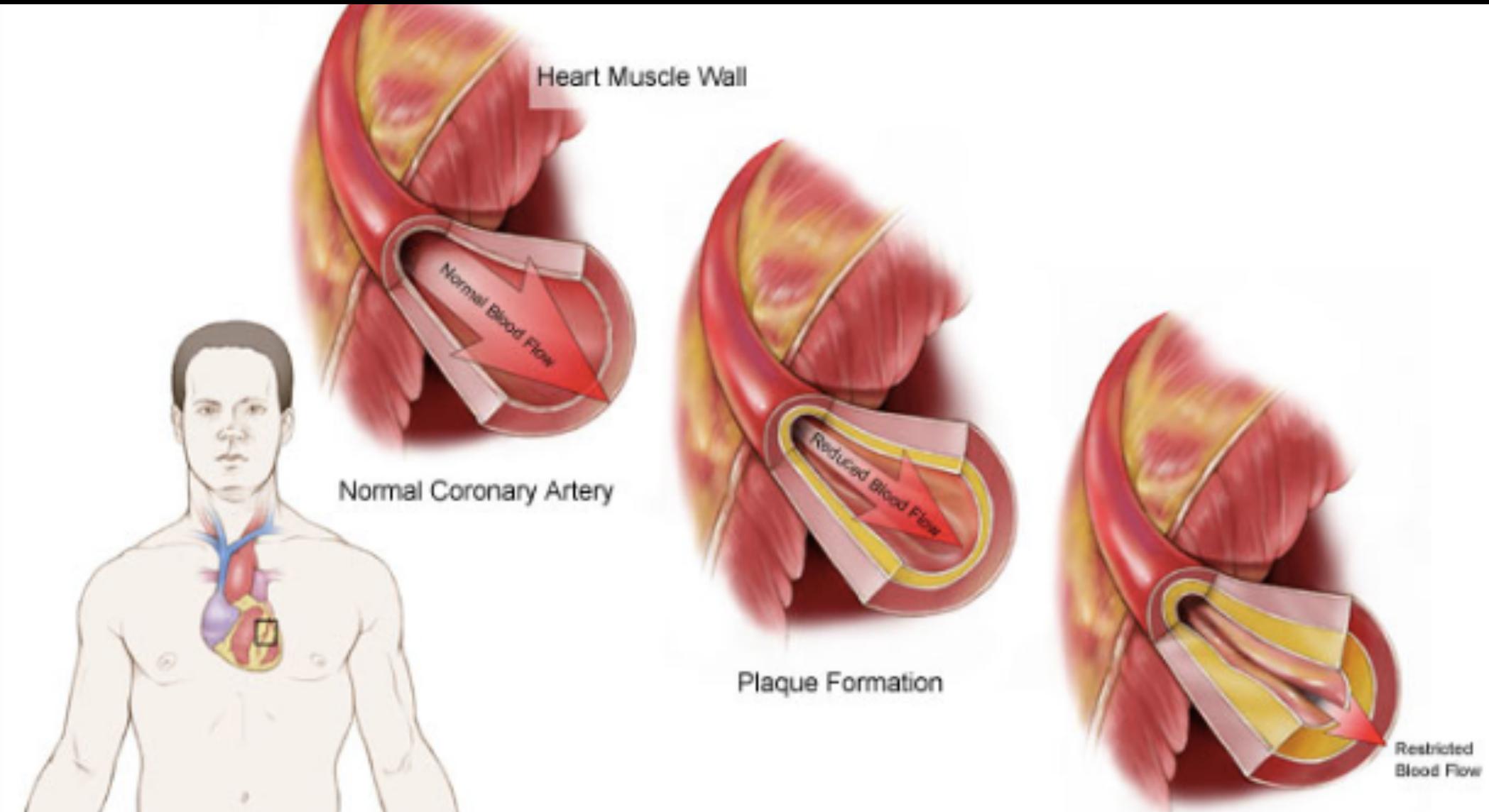
BIOMEDICAL MODELS AND EPIGENETICS



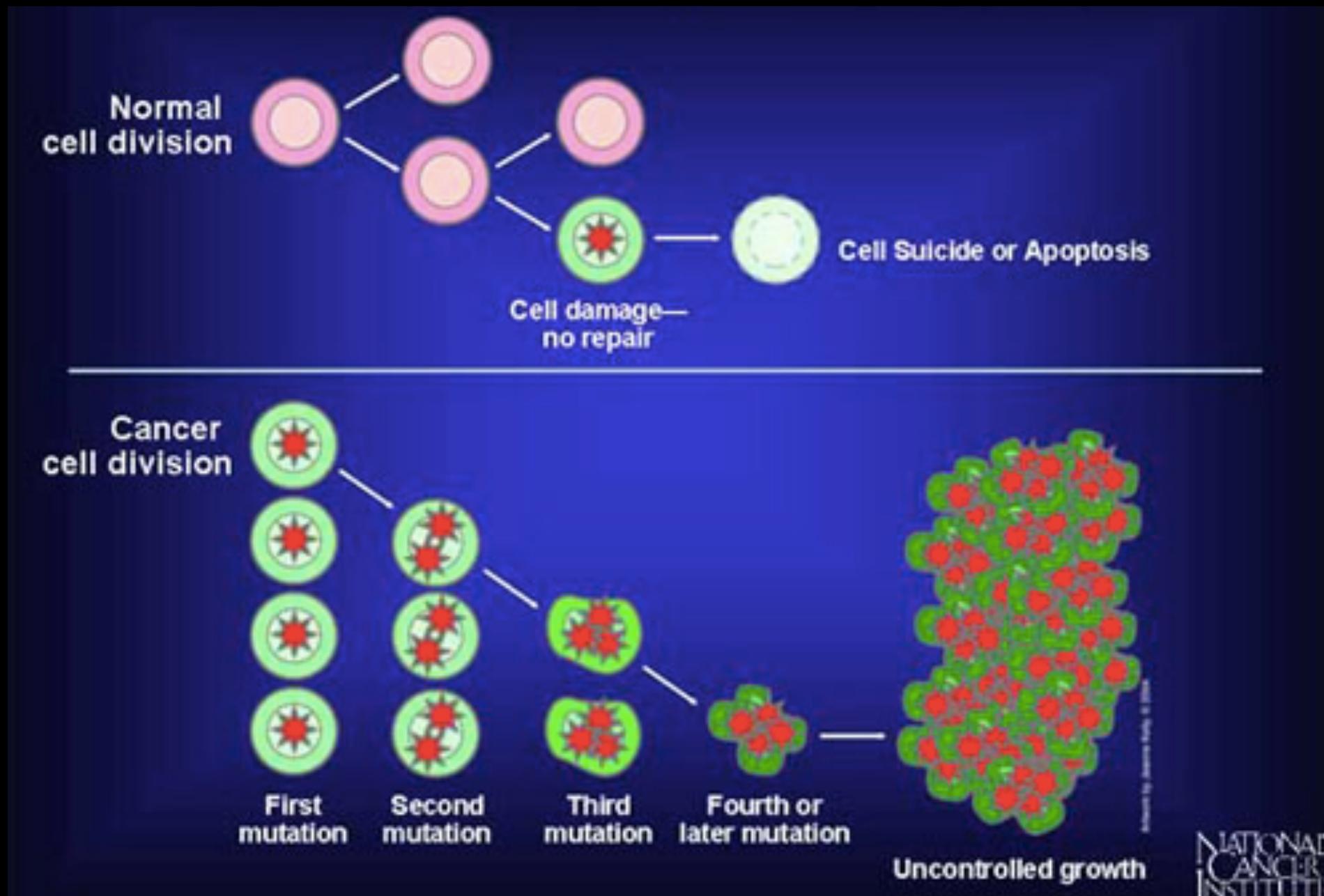
BIOMEDICAL MODELS

- Diseases represent a deviation from 'normal' bodily functioning that is not beneficial
- Fundamental etiology of diseases resides in the physical body
- Treatments should be aimed at correcting these physical issues

CORONARY HEART DISEASE



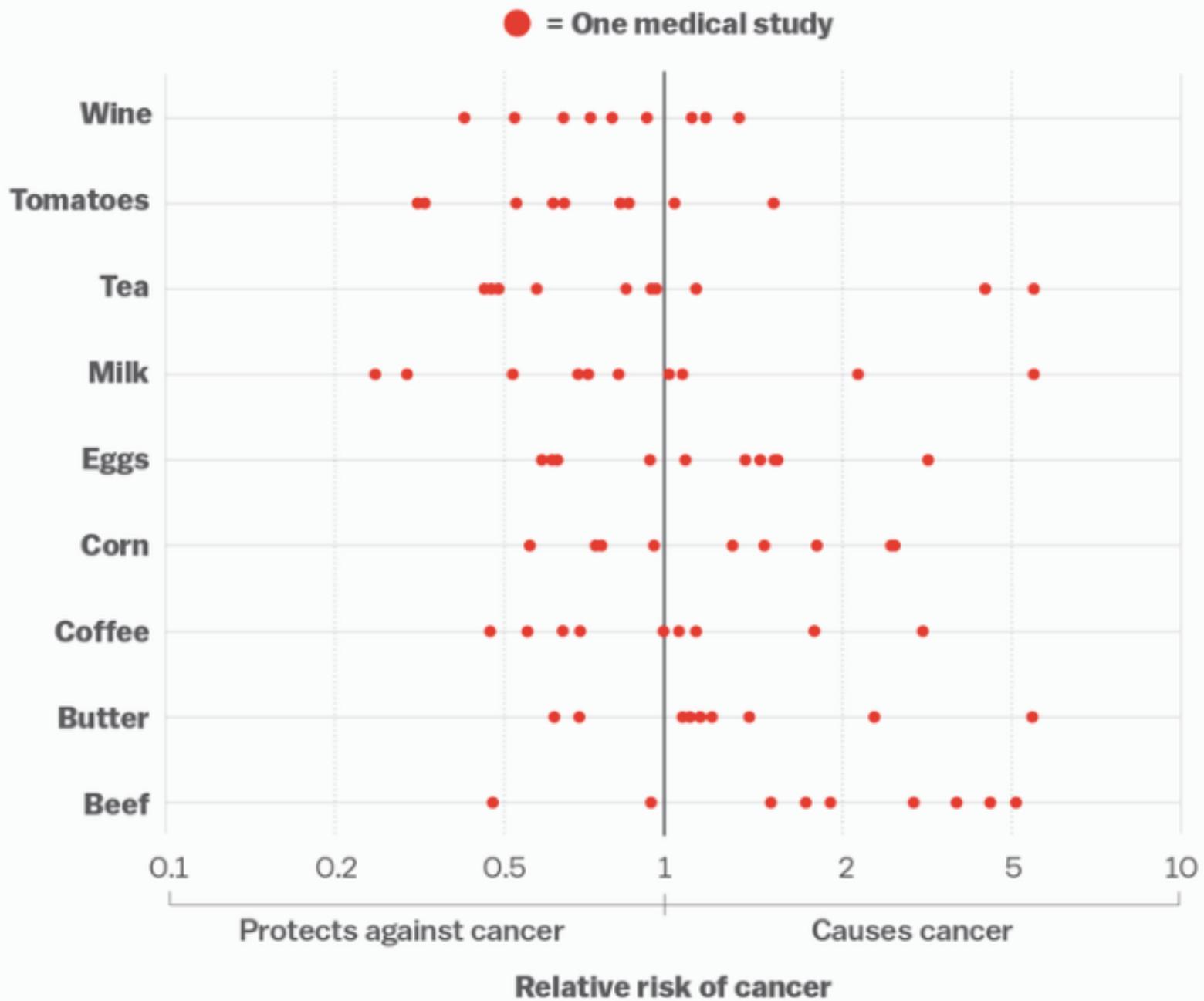
CANCER



SOCIAL RISK FACTORS

- These diseases, and many like them, do have social risk factors that increase the likelihood of disease onset....

Everything we eat both causes and prevents cancer



SOURCE: Schoenfeld and Ioannidis, *American Journal of Clinical Nutrition*

Vox

SOCIAL SPREAD OF DISEASE VACCINATIONS

- * Data reported by thehealthyhomeeconomist.com from the World Health Statistics Annual

DEATH RATE & PERTUSSIS VACCINE

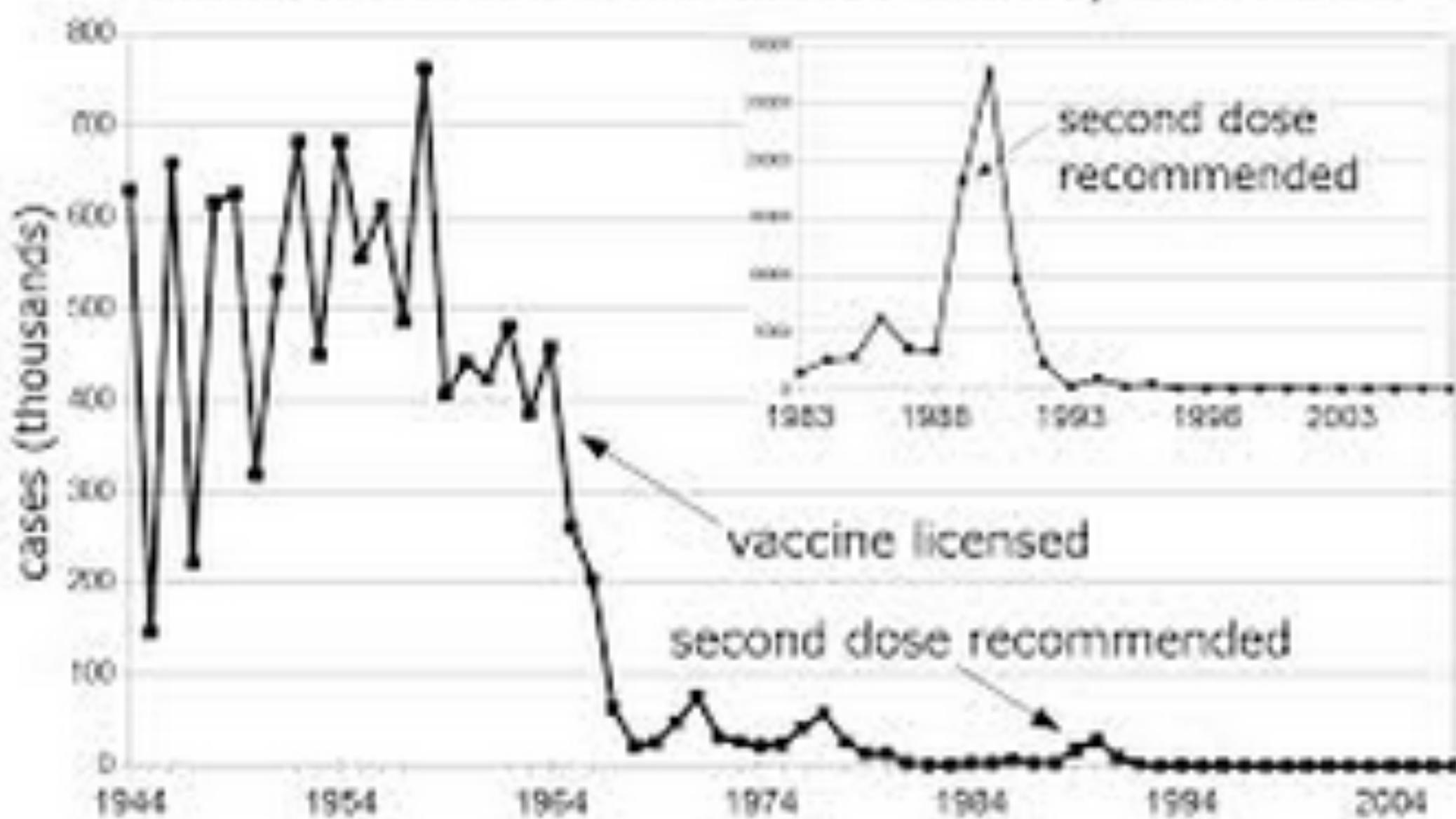
The PERTUSSIS DEATH RATE DECREASED by MORE THAN 75% BEFORE the VACCINE WAS INTRODUCED



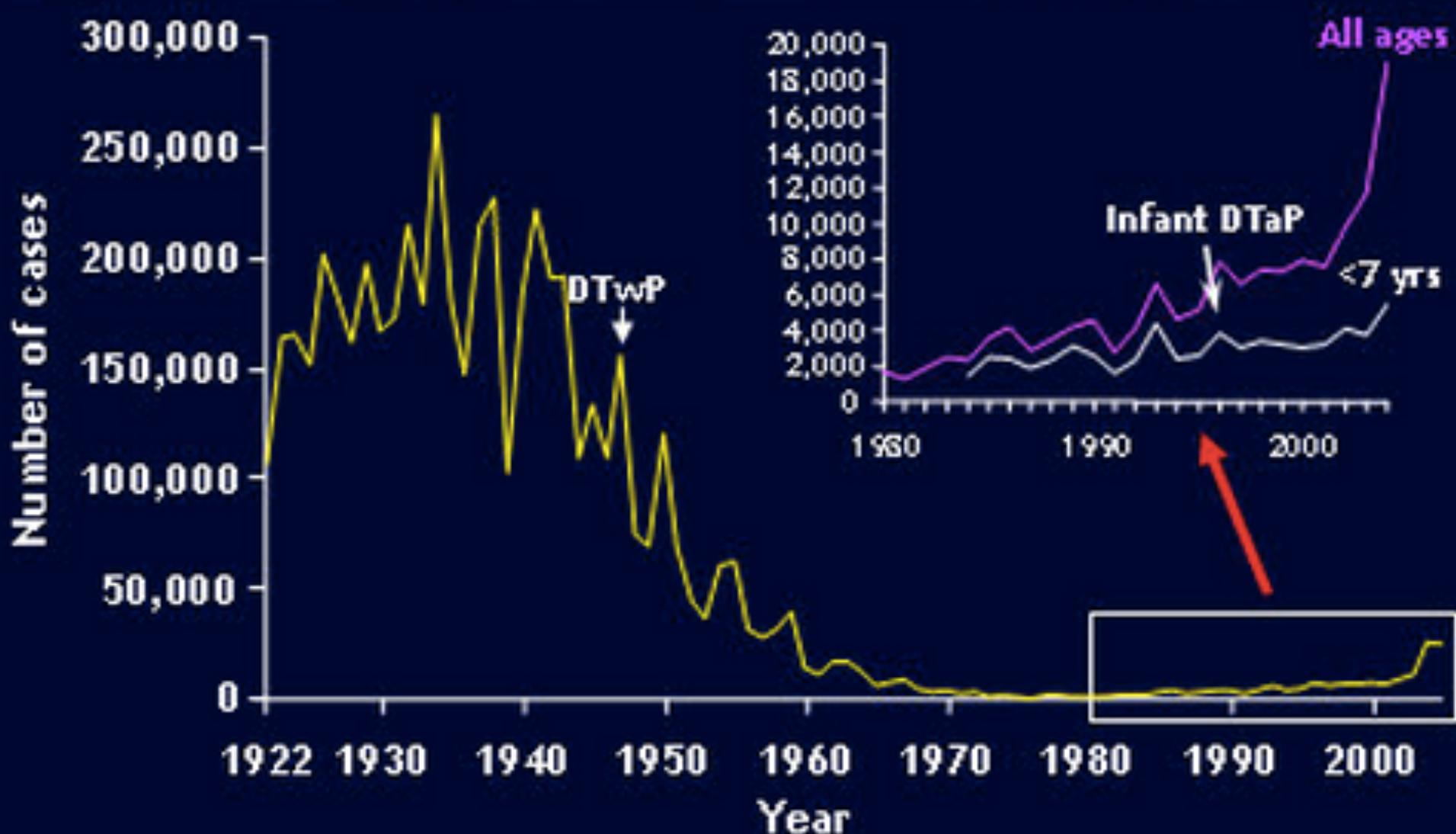
DEATH RATE & MEASLES VACCINE



Measles cases in the United States, 1944-2007



Reported Pertussis Cases in the United States (1922-2005)



DTwP=diphtheria, tetanustoxoids, and whole-cell pertussis vaccine.
Centers for Disease Control and Prevention. MMWR. 2006;55(RR17):1-37.

SOCIAL SPREAD OF DISEASE

VACCINATIONS

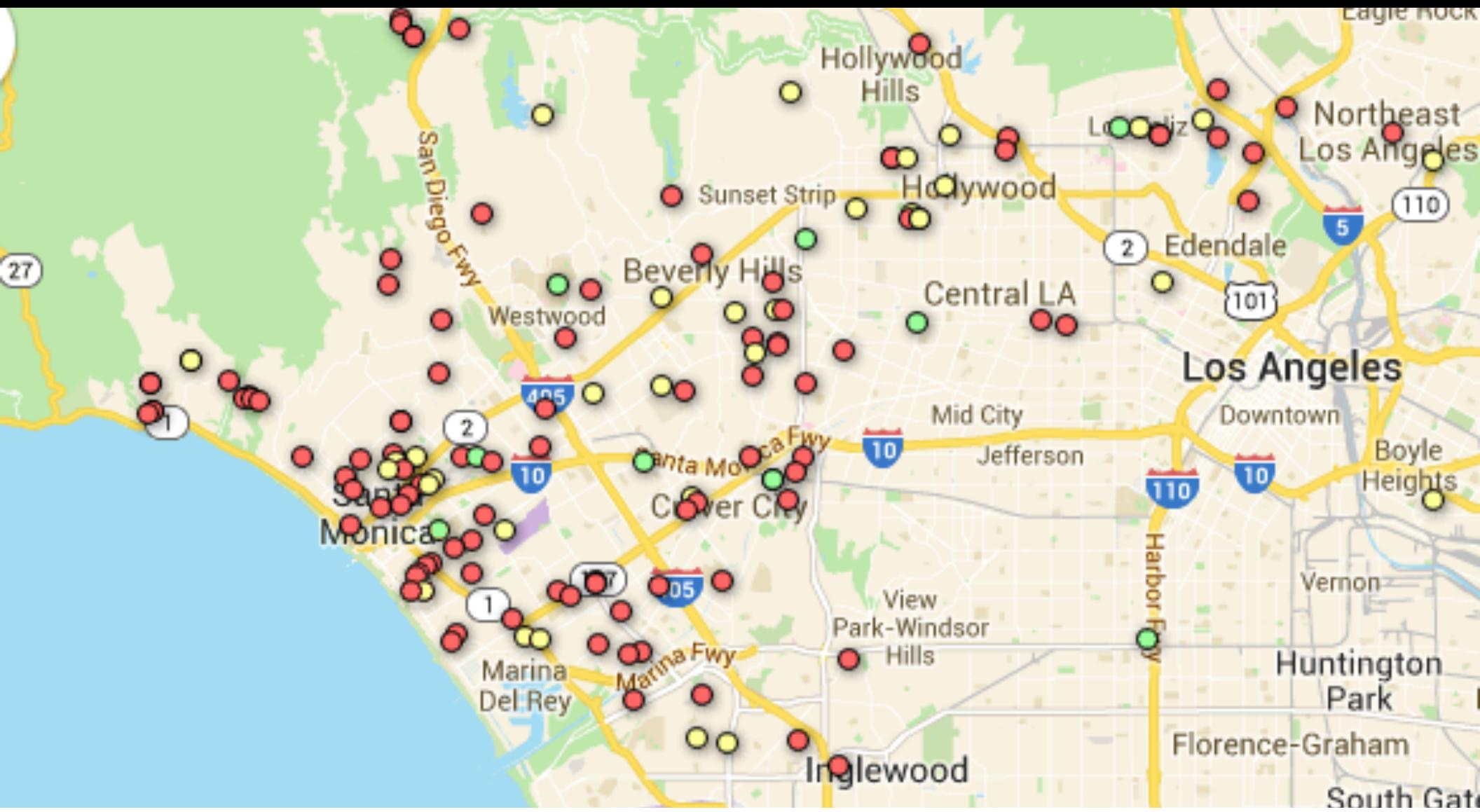
- Measles
- Mumps
- Rubella

- Polio
- Whooping Cough
- Other

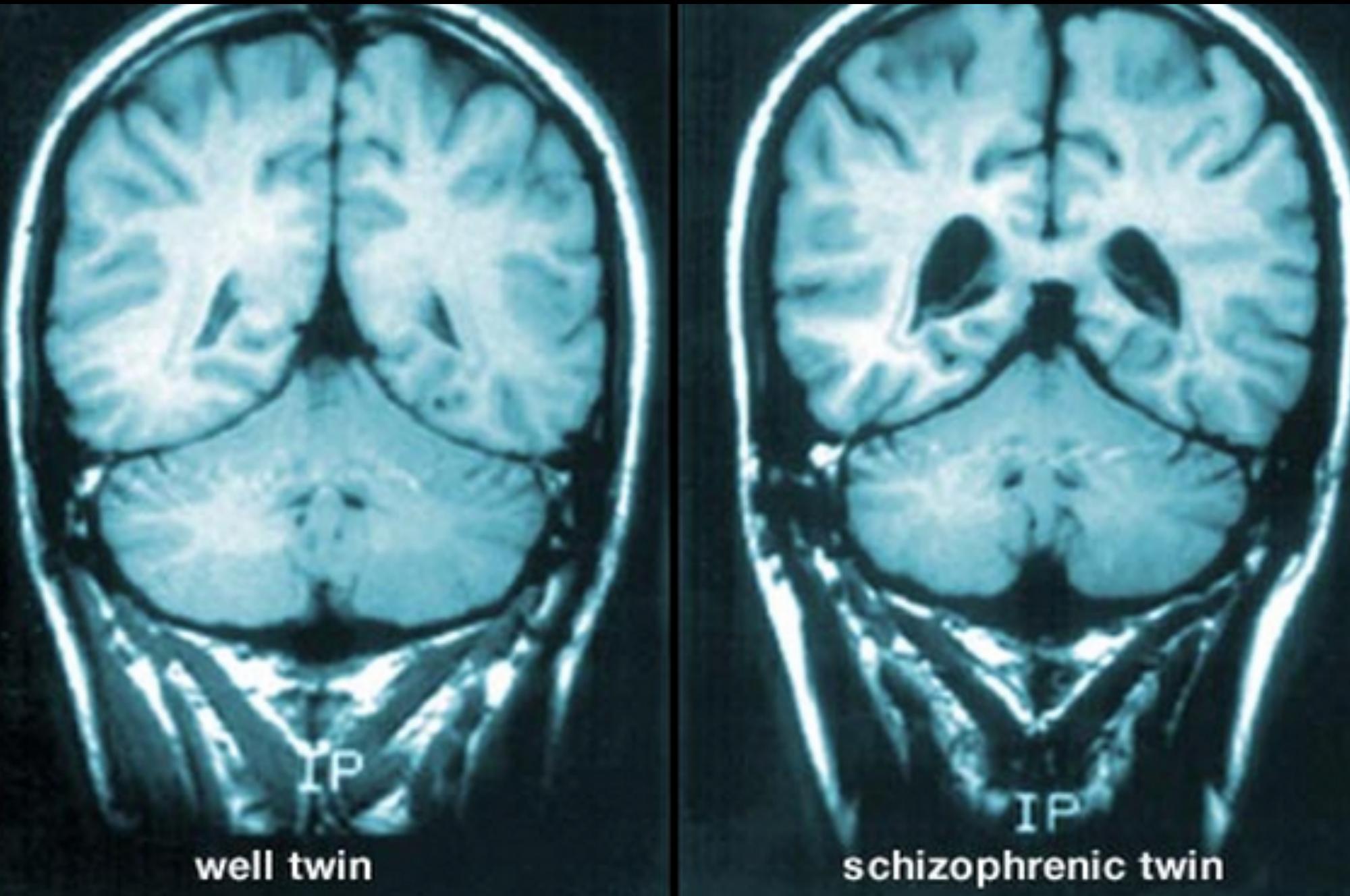


THE ATLANTIC AND THE HOLLYWOOD REPORTER

"WEALTHY L.A. SCHOOLS' VACCINATION RATES ARE AS LOW AS SOUTH SUDAN'S"



SCHIZOPHRENIA



CARLAT

HOW MEDICATIONS BECAME THE NEW THERAPY



SCHIZOPHRENIA

- Positive symptoms
 - Delusions, hallucinations
- Negative symptoms
 - Blunt expressions, monotone and/or simple speech, lack of movement/gestures, lack of interest or pleasure, inability to act spontaneously
 - About 25% of patients have deficit syndrome = severe negative symptoms

SCHIZOPHRENIA: TREATMENT

- First or second generation antipsychotic medications
 - The Dopamine Hypothesis
 - Evidence? Very little....
 - Effectiveness?
Moderately...and only on positive symptoms



DEPRESSION

