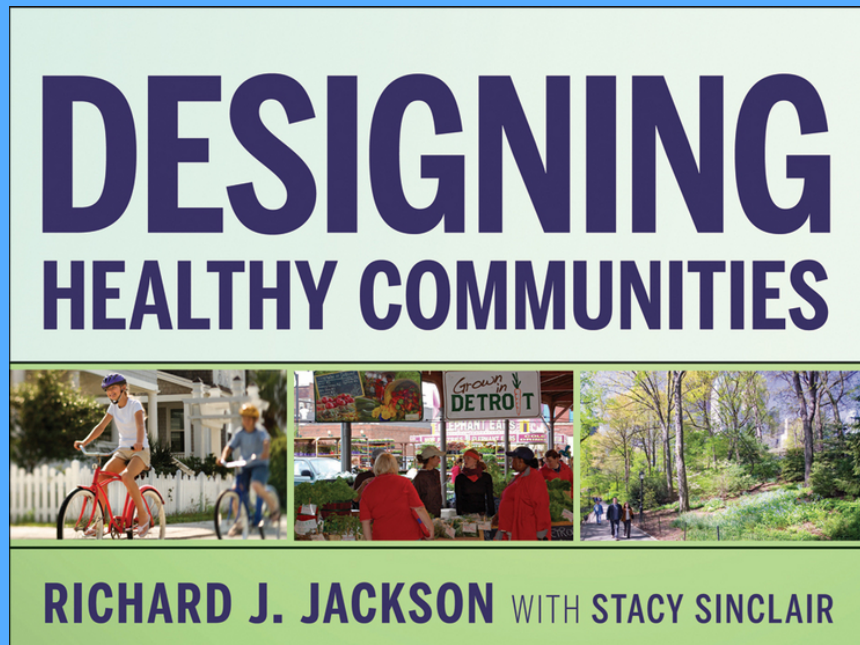
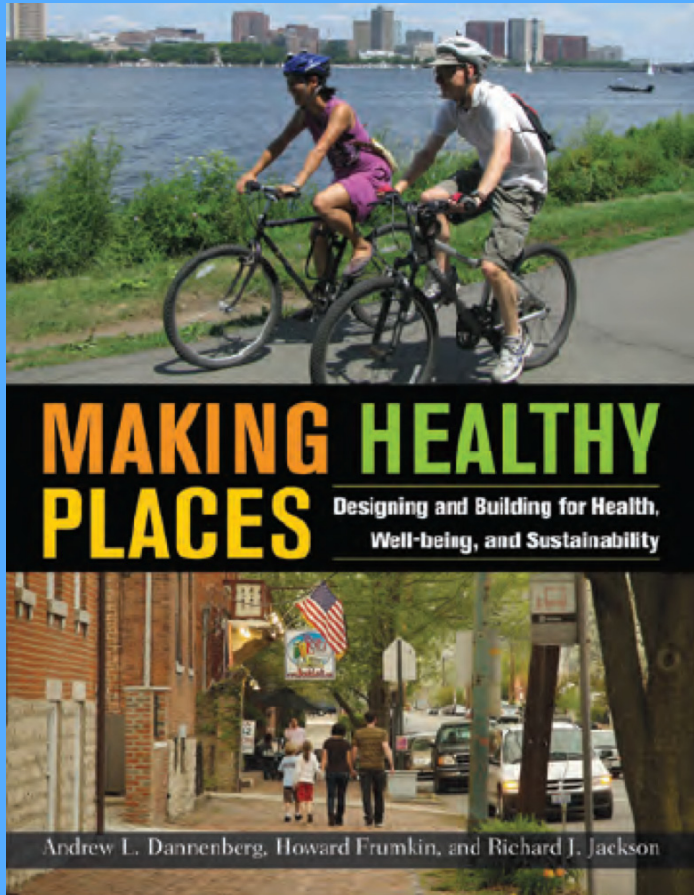
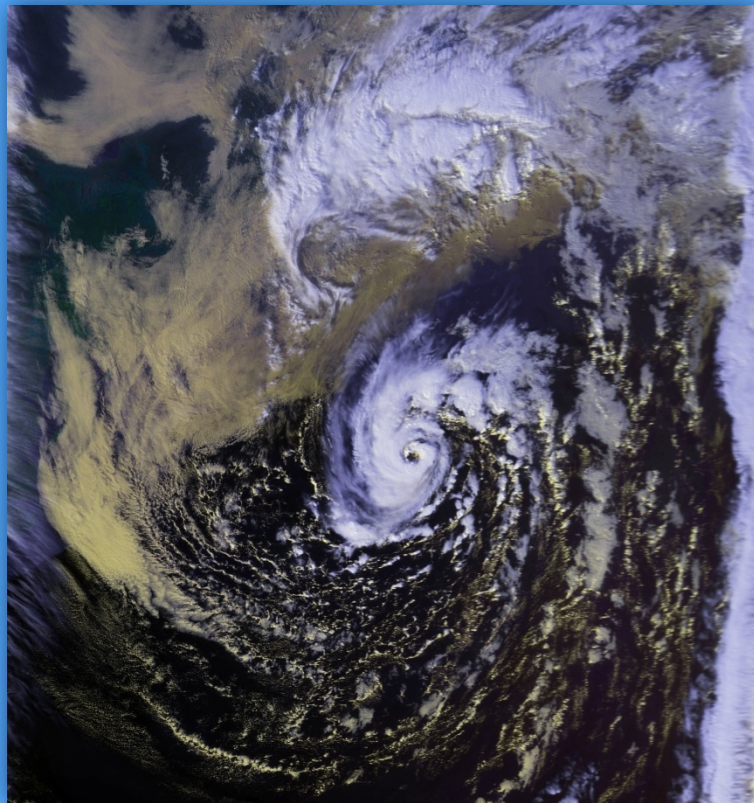


“Good Solutions Solve Multiple Problems”



*Richard J Jackson MD MPH*  
*dickjackson@ph.ucla.edu*

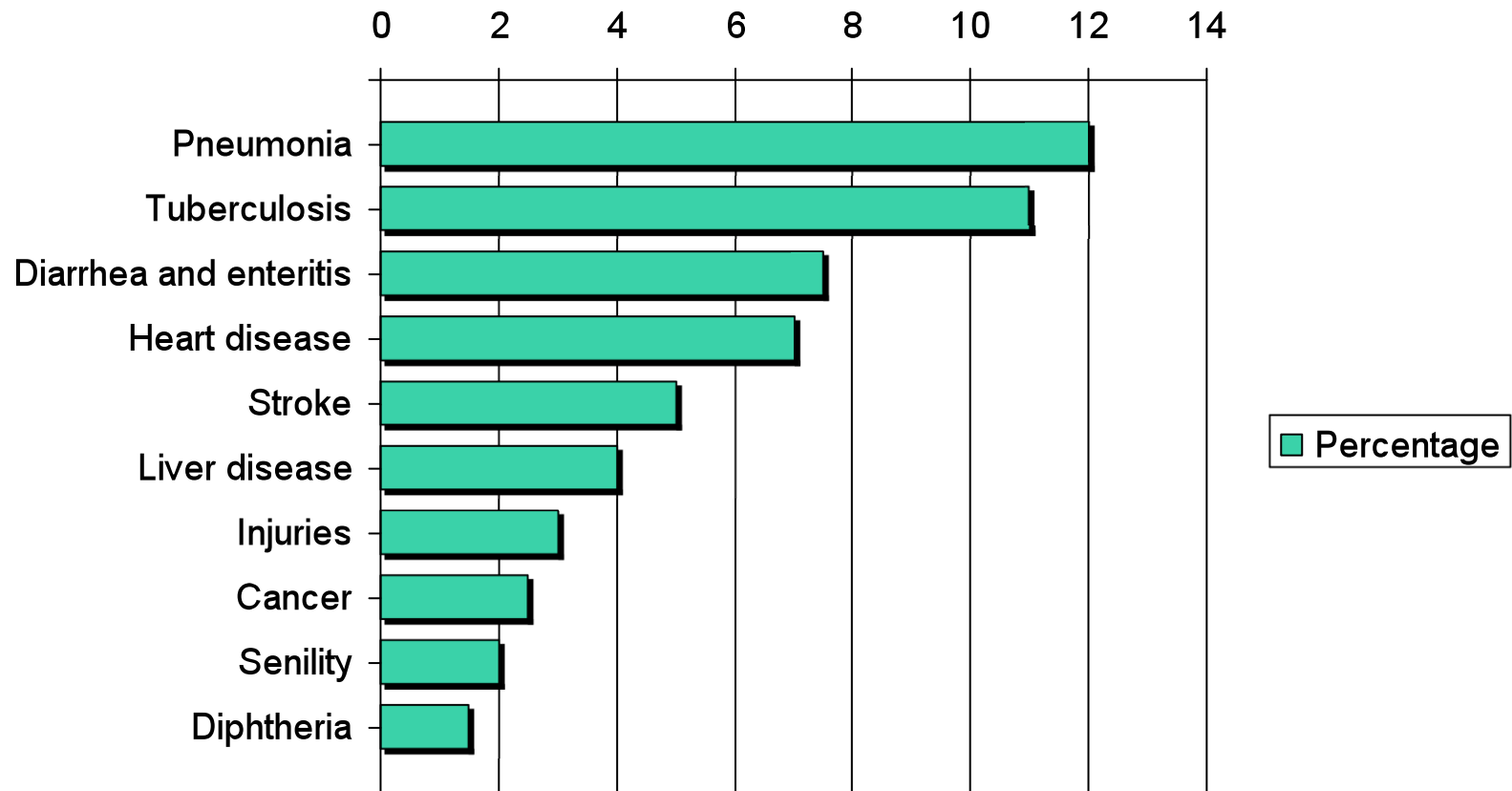


“Perfect Storm”

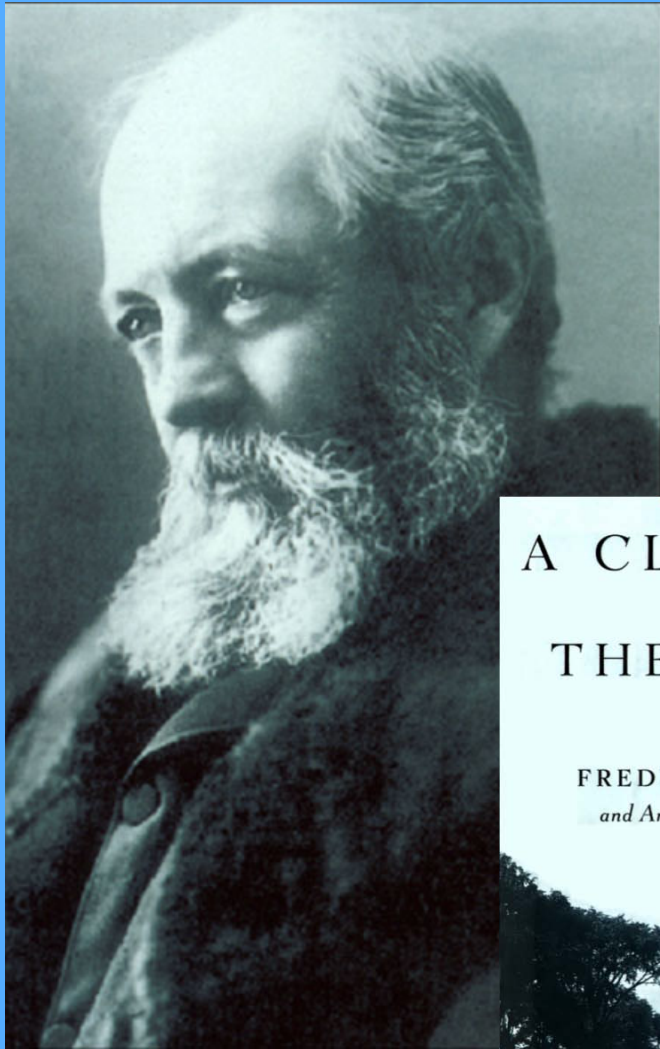
November 1, 1991

The collision  
of Social and  
Health,  
Economic,  
Environmental  
challenges— all  
urgent.

# 10 leading causes of death - United States, 1900







A CLEARING IN  
THE DISTANCE

FREDERICK LAW OLMSTED  
*and America in the Nineteenth Century*



WITOLD RYBCZYNSKI  
AUTHOR OF *HOME AND CITY LIFE*







60,000 square miles



And Photosynthesis is  
our friend!



The United States has now  
paved over the equivalent  
area of the entire state of  
Georgia



# Will 23 lanes be enough?

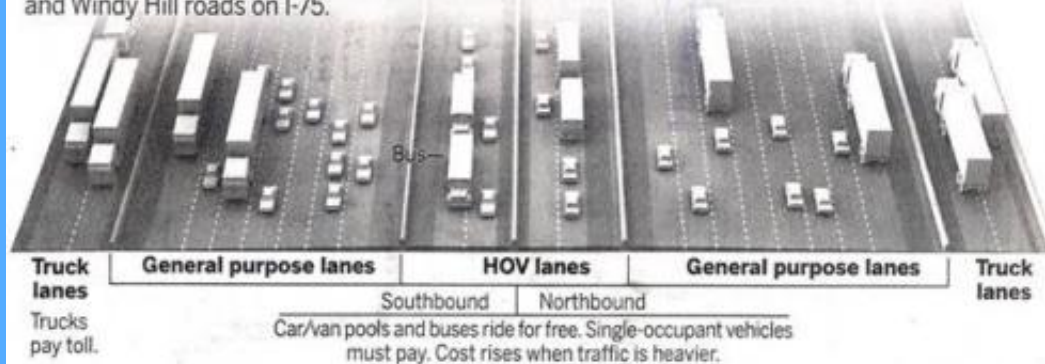
Proposal would put I-75 among country's biggest

By ARIEL HART  
ahart@ajc.com

It's wider than an aircraft carrier. Far wider than the carving on Stone Mountain. Wider than the White House stretched end to end, twice.

It's the planned I-75, all 23 lanes, coming soon to Cobb County. As currently conceived it's 388 feet across, wider than a football field is long.

**23 LANES:** The state Department of Transportation is planning to expand I-75 (below) and I-575 in Cobb and Cherokee counties. The 23-lane stretch would be between Delk and Windy Hill roads on I-75.



Traffic heads north on I-75, just north of I-285, on Thursday. A proposal for the interstate is enough to make a road builder weep with joy, and make others wonder whether it's overkill. LOUIE FAVORITE / Staff

Atlanta Journal-Constitution, March 10, 2006



R A N K	Cause and Number of Deaths									
	Under 1	1-3	4-7	8-15	16-20	21-24	Other Adults			65+
							25-34	35-44	45-64	
1	Perinatal Period	Congenital Anomalies	<b>MV Traffic Crashes</b>	<b>MV Traffic Crashes</b>	<b>MV Traffic Crashes</b>	<b>MV Traffic Crashes</b>	<b>MV Traffic Crashes</b>	Malignant Neoplasms	Malignant Neoplasms	
2	Congenital Anomalies	<b>MV Traffic Crashes</b>	Malignant Neoplasms	Malignant Neoplasms	Homicide	Homicide	Suicide	Heart Disease		
3	Heart Disease	Accidental Drowning	Congenital Anomalies	Suicide	Suicide	Suicide	Homicide	<b>MV Traffic Crashes</b>		
4	Homicide	Homicide	Accidental Drowning	Homicide	Malignant Neoplasms	Accidental Poisoning	Malignant Neoplasms			
5	Septicemia	Malignant Neoplasms	Exposure to Smoke/Fire	Congenital Anomalies	Accidental Poisoning	Malignant Neoplasms				
6	Influenza/Pneumonia	Exposure to Smoke/Fire	Homicide	Accidental Drowning						
7	Nephritis/Nephrosis	Heart Disease	Heart Disease							
8	<b>MV Traffic Crashes</b>									

**For every age group from 3 through 33-- crashes were the No. 1 cause of death**

# Number of Lives Saved per year

if National Car Fatality Rate same as:

- New York City 24,000
- Portland 15,000
- Atlanta None— 15,000 additional

# Asthma outbreak hits kids

## RISKS OF THE 'RED ZONE'



JENNI GIRTMAN / Staff

Asthma sufferer Tyrone Johnson, 2, breathes fresh air Friday as his aunt Susan Thomas tends him at Atlanta's Hughes Spalding Children's Hospital. Sky-high smog readings in metro Atlanta have produced a flare-up of asthma cases, especially among children.

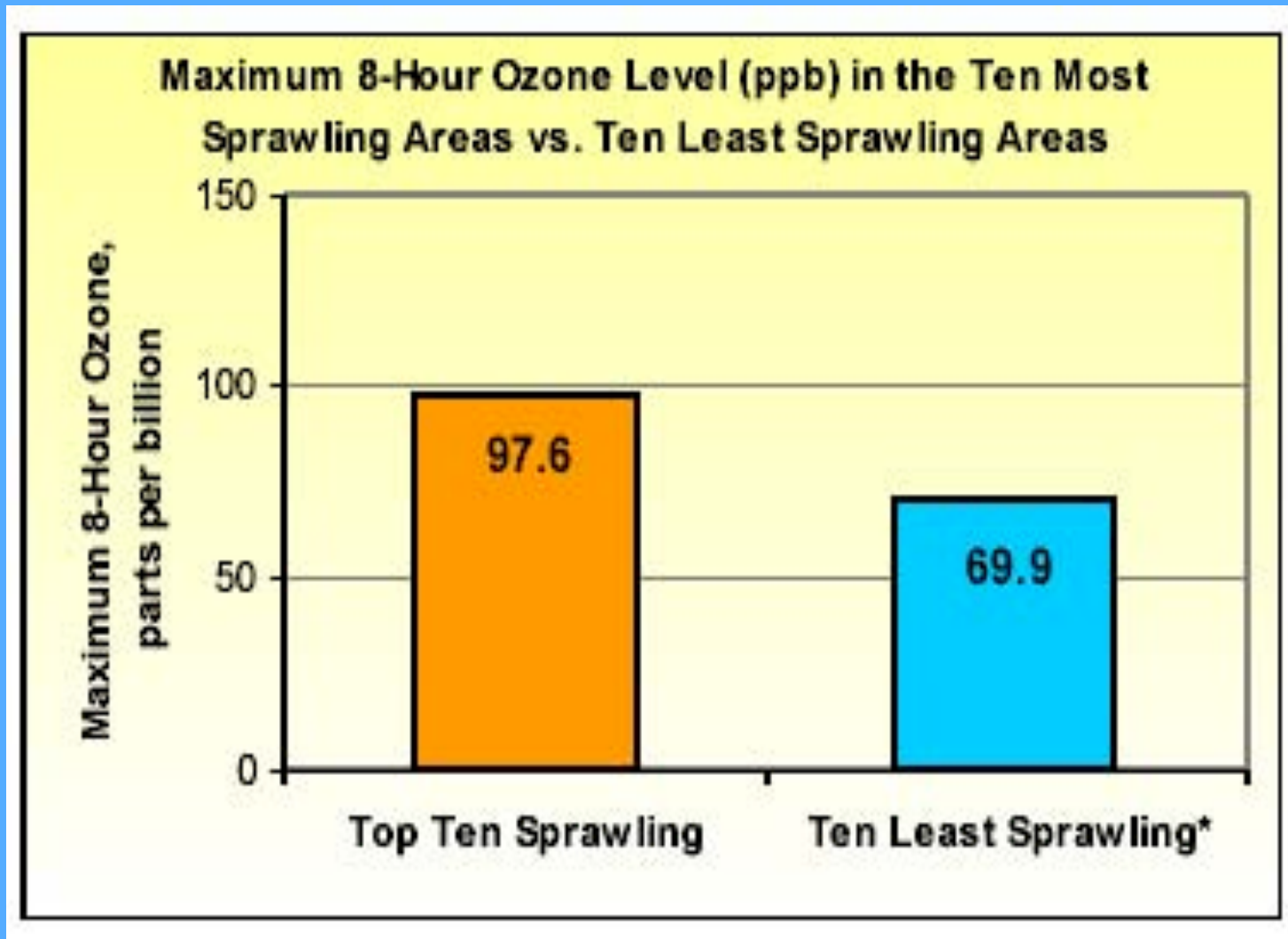
The Atlanta Journal-Constitution SATURDAY, AUG. 19, 2000



# Asthma Study in 12 Southern California High Schools

- 3535 children with no history of asthma in 6 high and 6 low air pollution high schools
- **5 years later: 265 developed asthma.**
  - High ozone high schools:
    - asthma rate was 3.3x higher in children playing three or more sports.
  - Low ozone high schools:
    - sports had no effect on asthma rates

# 30% Less Ozone Air Pollution with Compact Development



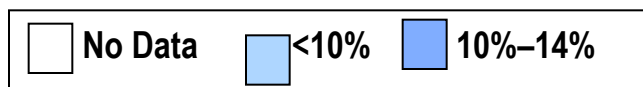
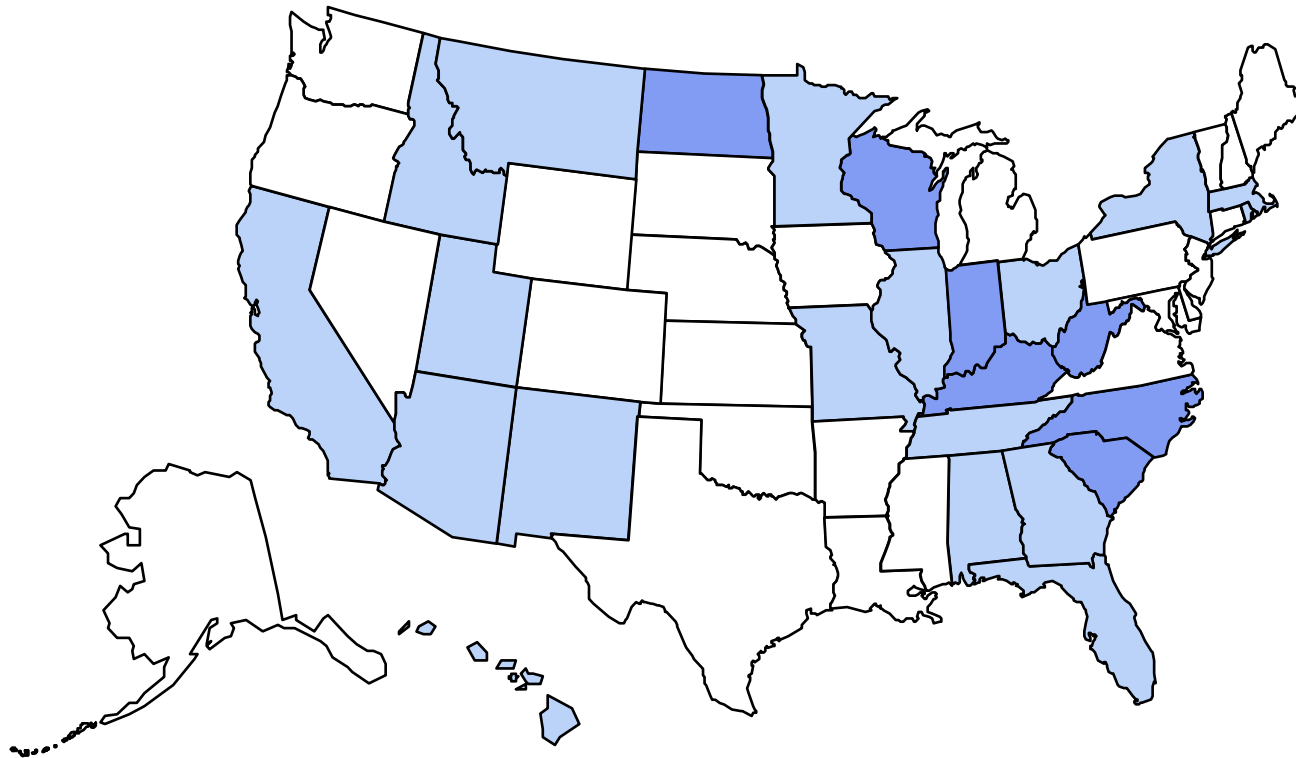




# Obesity Trends\* Among U.S. Adults

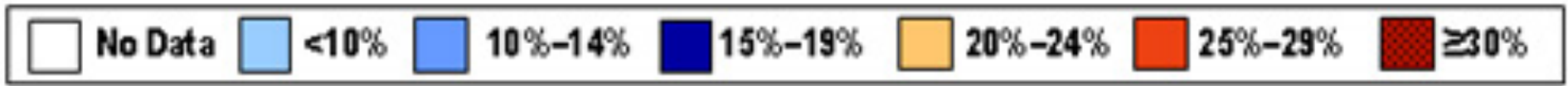
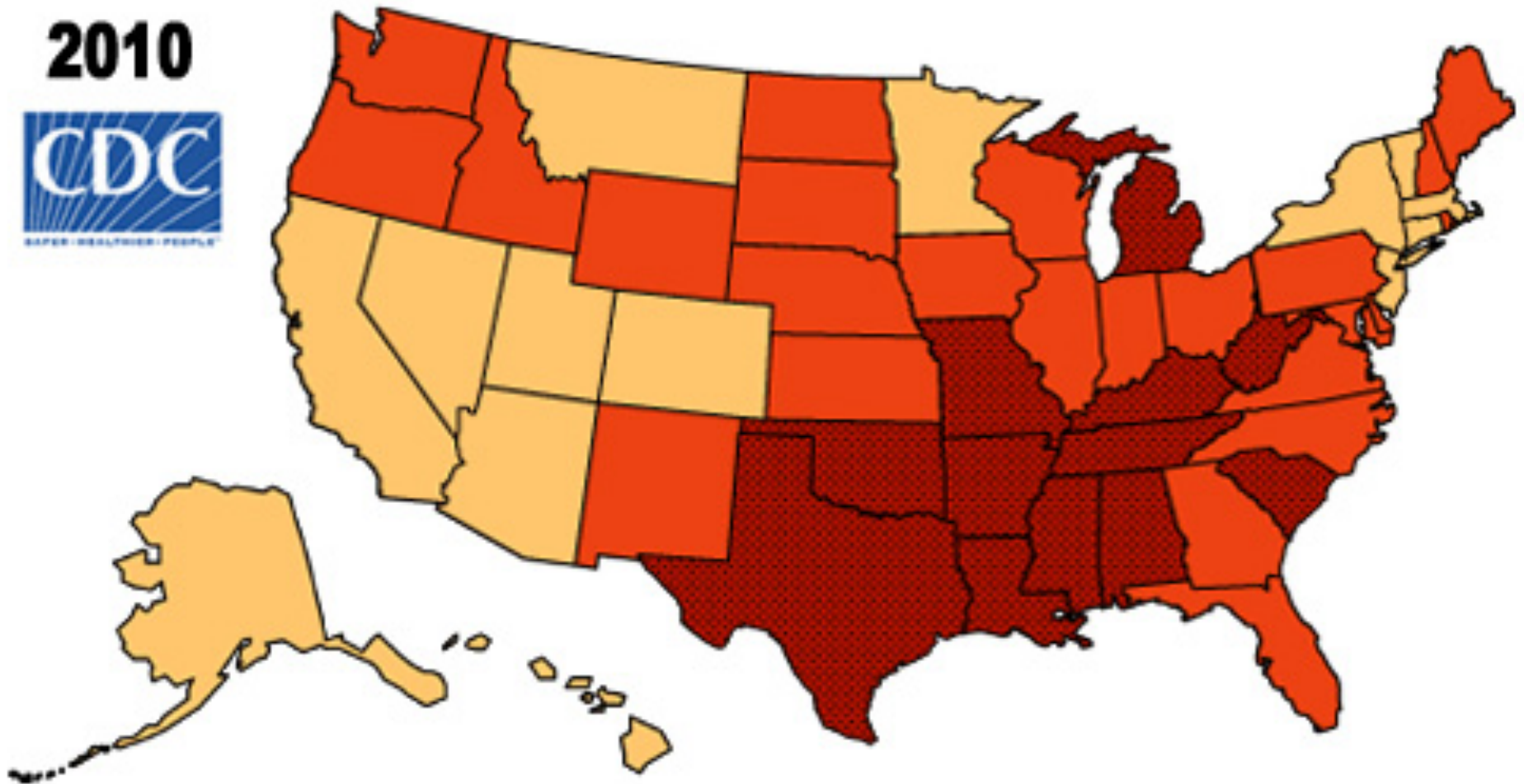
## BRFSS, 1986

(\*BMI  $\geq 30$ , or  $\sim 30$  lbs. overweight for 5' 4" person)

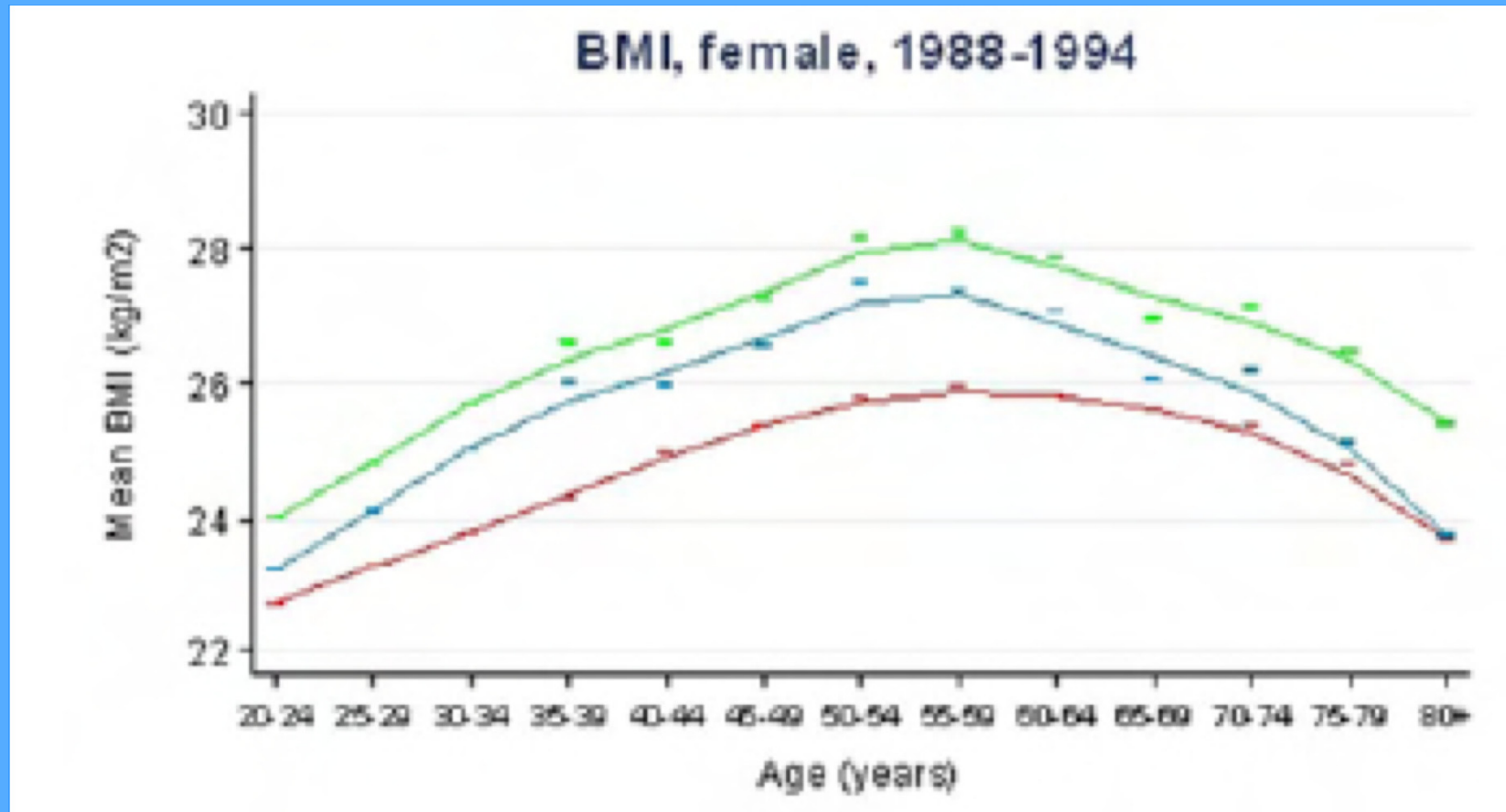


- Obesity Trends US Adults 2010

**2010**



# BMI US Females 1988-1994



**NHANES – Measured**

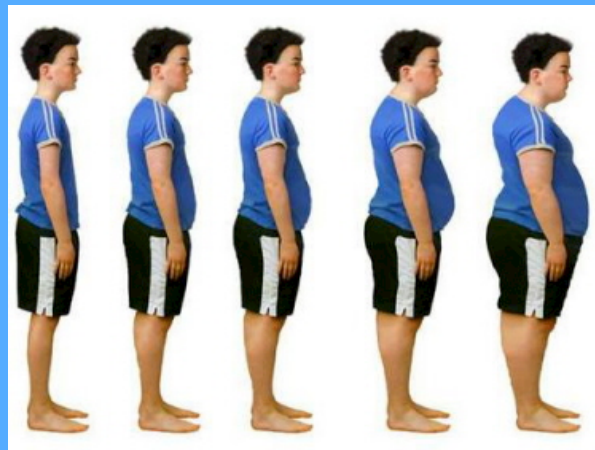
**NHANES – In person interview-- self-reported**

**BRFSS – Telephone Interview**



# Weight Gain

- Rates of overweight and obesity have **tripled** among 12-19 year olds and **quadrupled** among 6-11 year olds in the last three decades



Babey SH, et al. (2009.) Bubbling Over: Soda Consumption and Its Link to Obesity in California. UCLA Center for Health Policy Research.

# Fast Food Restaurants

- “black/low income” neighborhoods ~  
2.4 per sq. mile
- “white” neighborhoods:  
1.5 per sq. mile

American Journal of Preventive Medicine,  
October 2004



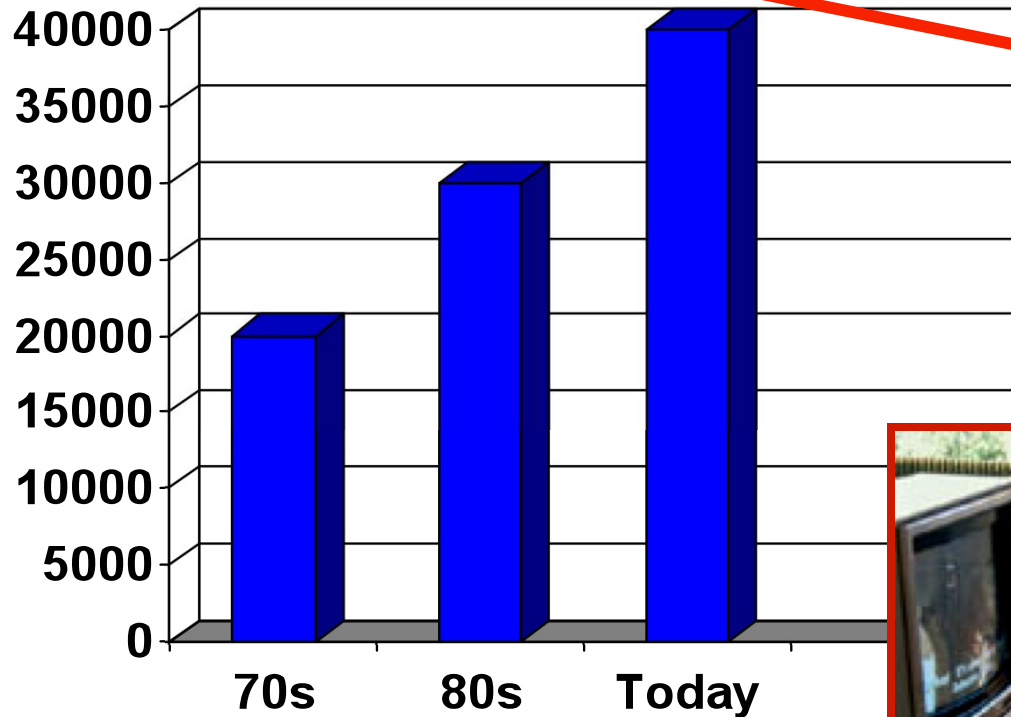
**Hardee's introduces  
new  
Mega-Calorie  
“Monster  
Thickburger”**



- **1,420 calories**
- **107 grams of fat**
- **7.1 hours of moderate walking**

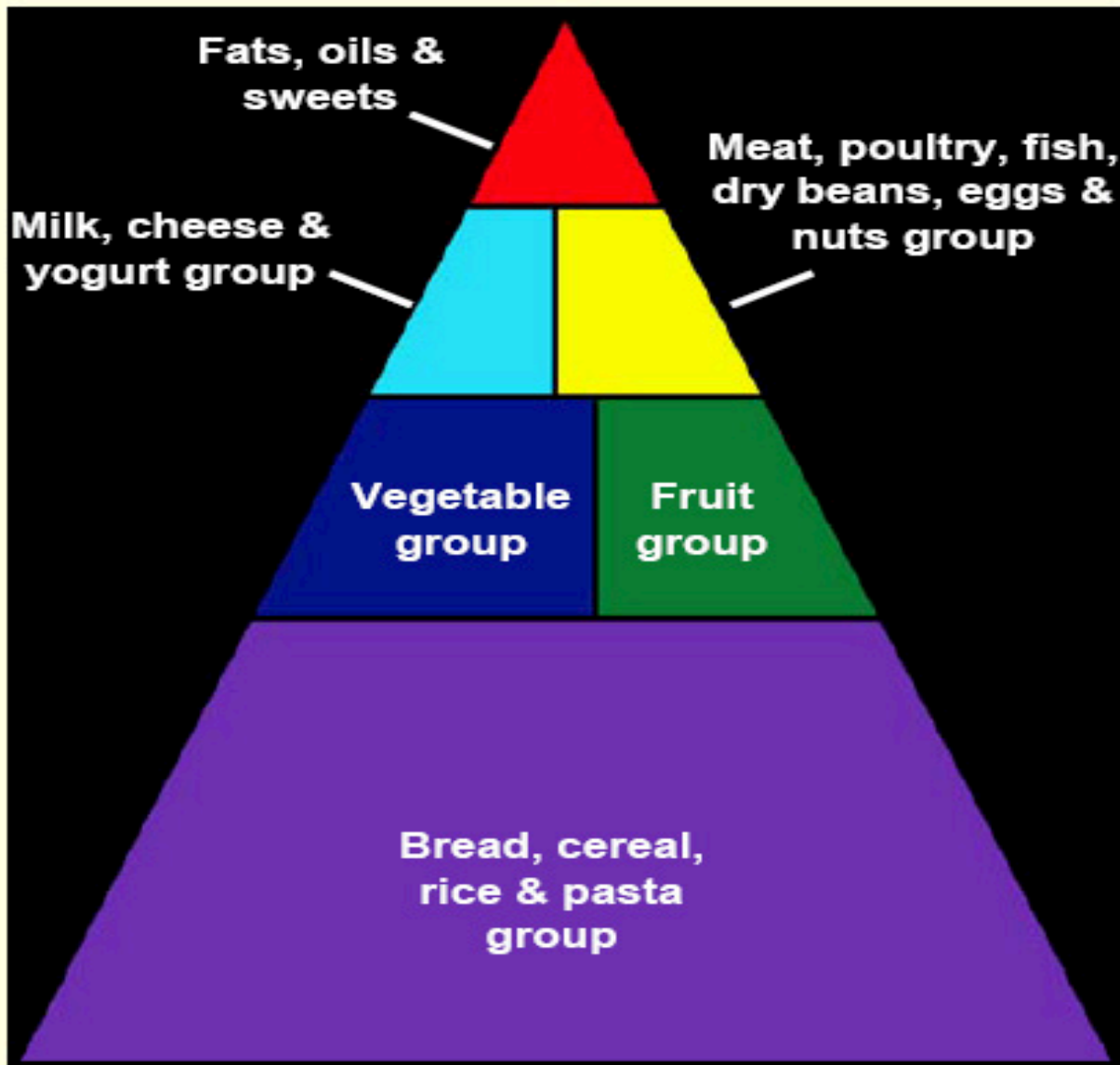


# Supersizing Advertising :Number of TV Ads Seen By Children



40,000 per year

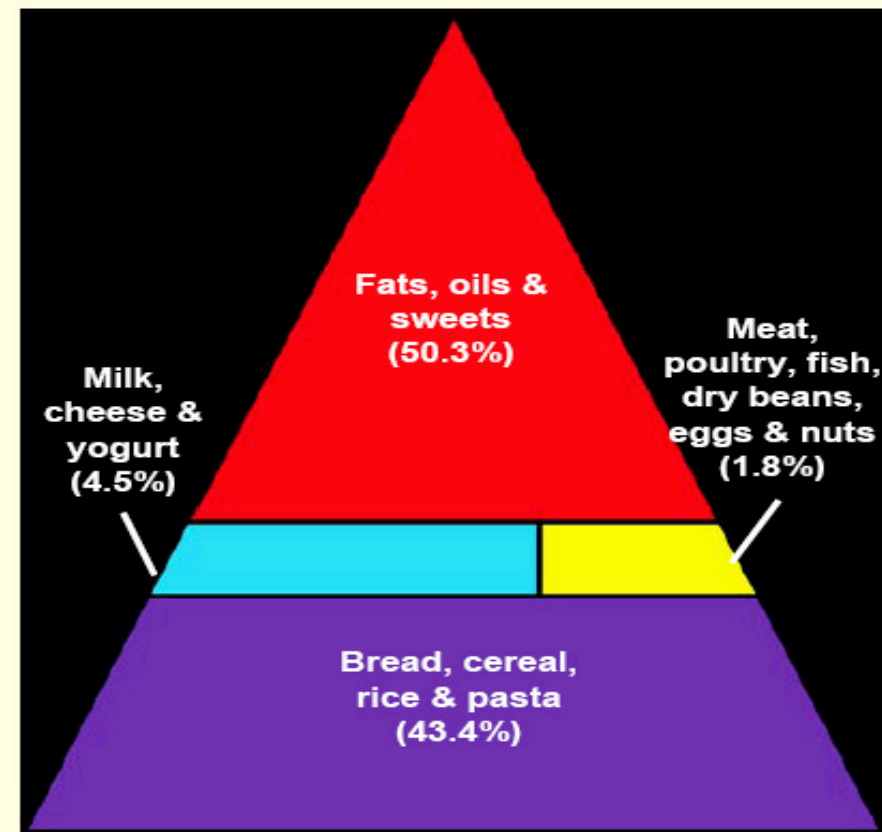
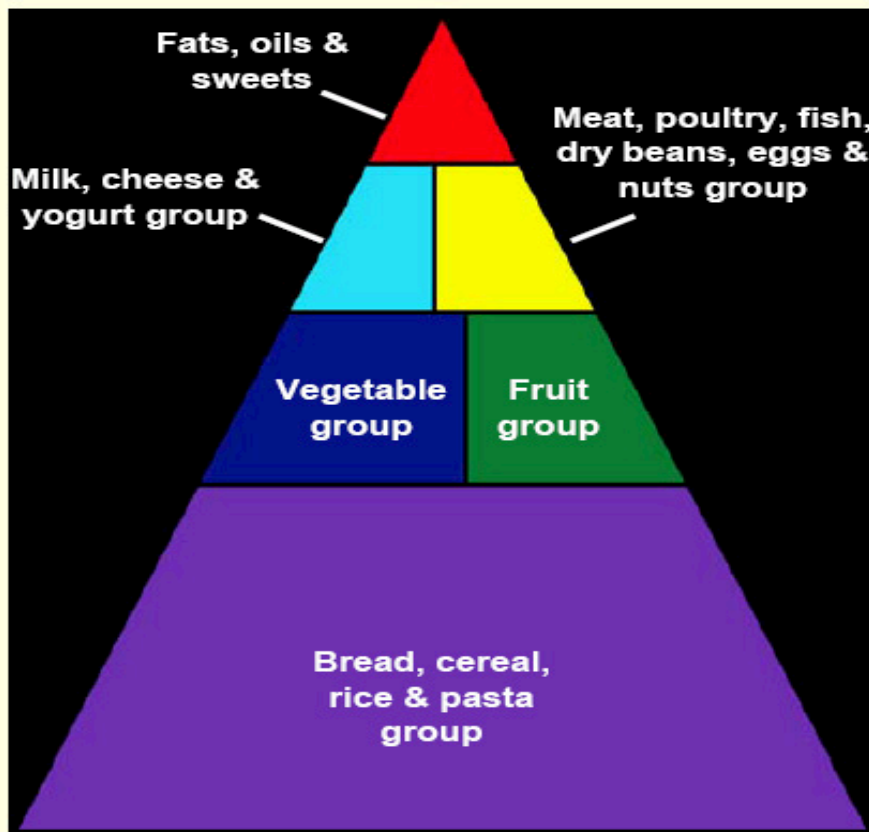




The food pyramid for the last generation

Kotz and Story, JADA, 1994

# The Food Pyramid for Advertising to America's children



Kotz and Story, JADA, 1994

# BILLBOARDS VS. HEALTH: Considering the Impact of Billboards on Health

*CASE STUDY: SUNSET BLVD (HOLLYWOOD)*

## BILLBOARD

### TYPES

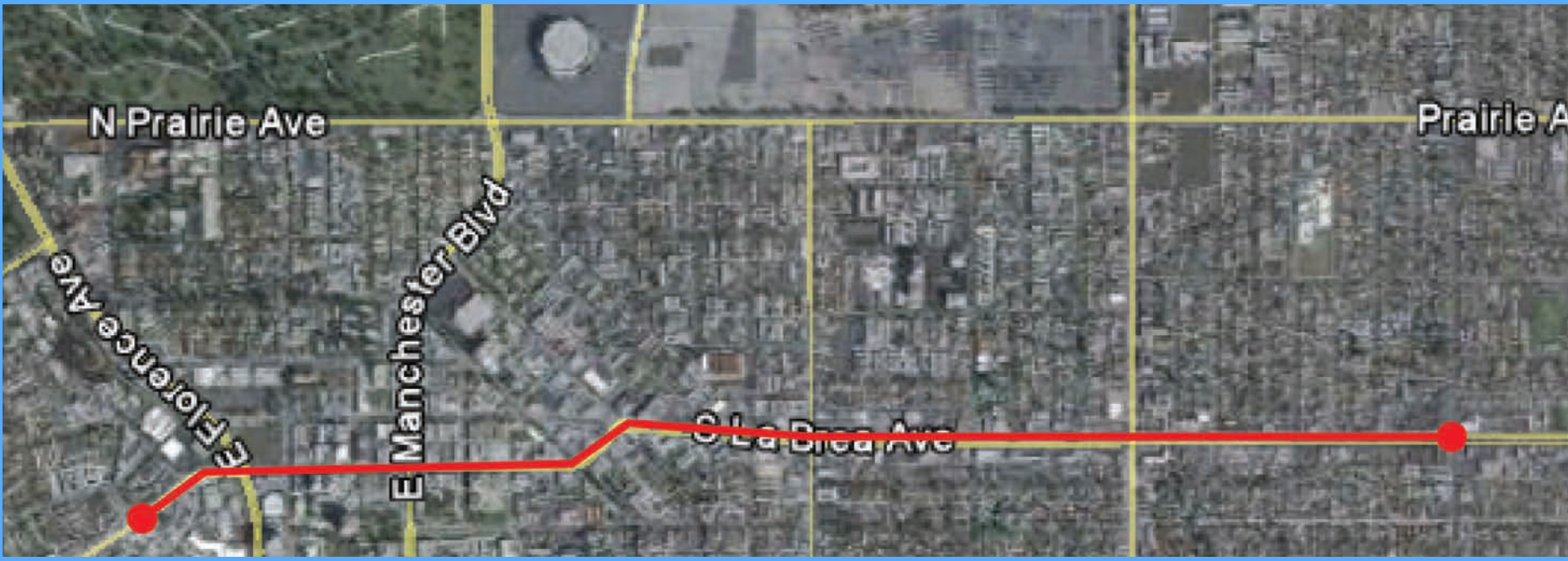
•ALCOHOL:	12
•ENTERTAINMENT:	26
•FOOD:	1
•PRODUCT:	16
•WEIGHTLOSS:	0
•OTHER:	10
<b>TOTAL</b>	<b>65</b>





# BILLBOARDS VS. HEALTH: Considering the Impact of Billboards on Health

## *Case Study LaBrea, Hawthorne*





# BILLBOARDS VS. HEALTH: Considering the Impact of (CASE STUDY: LABREA HAWTHORNE)

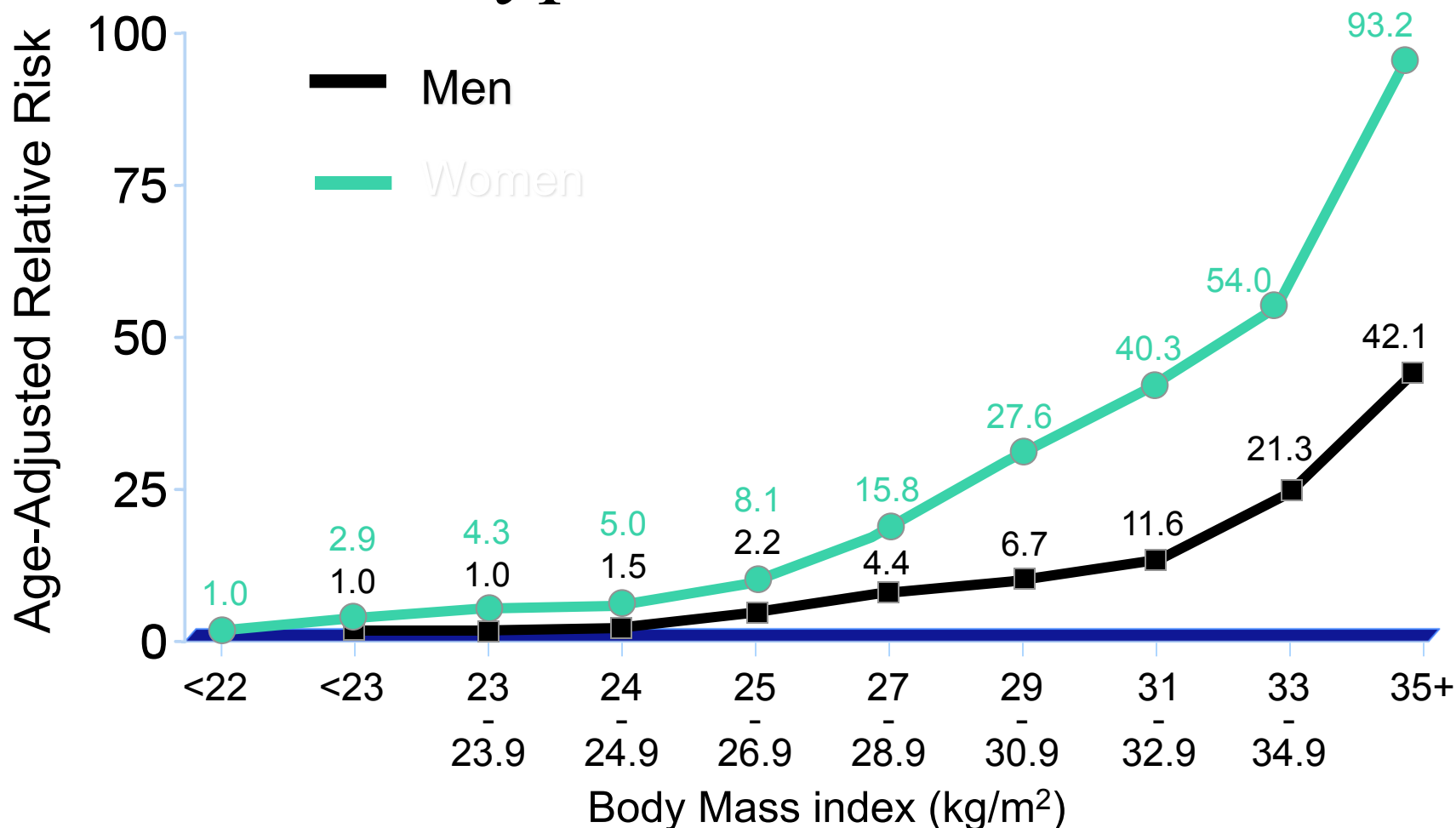
## BILLBOARD

### TYPES

- ALCOHOL: 17
- ENTERTAINMENT: 3
- FOOD: 4
- PRODUCT: 3
- WEIGHTLOSS: 4
- OTHER: 4

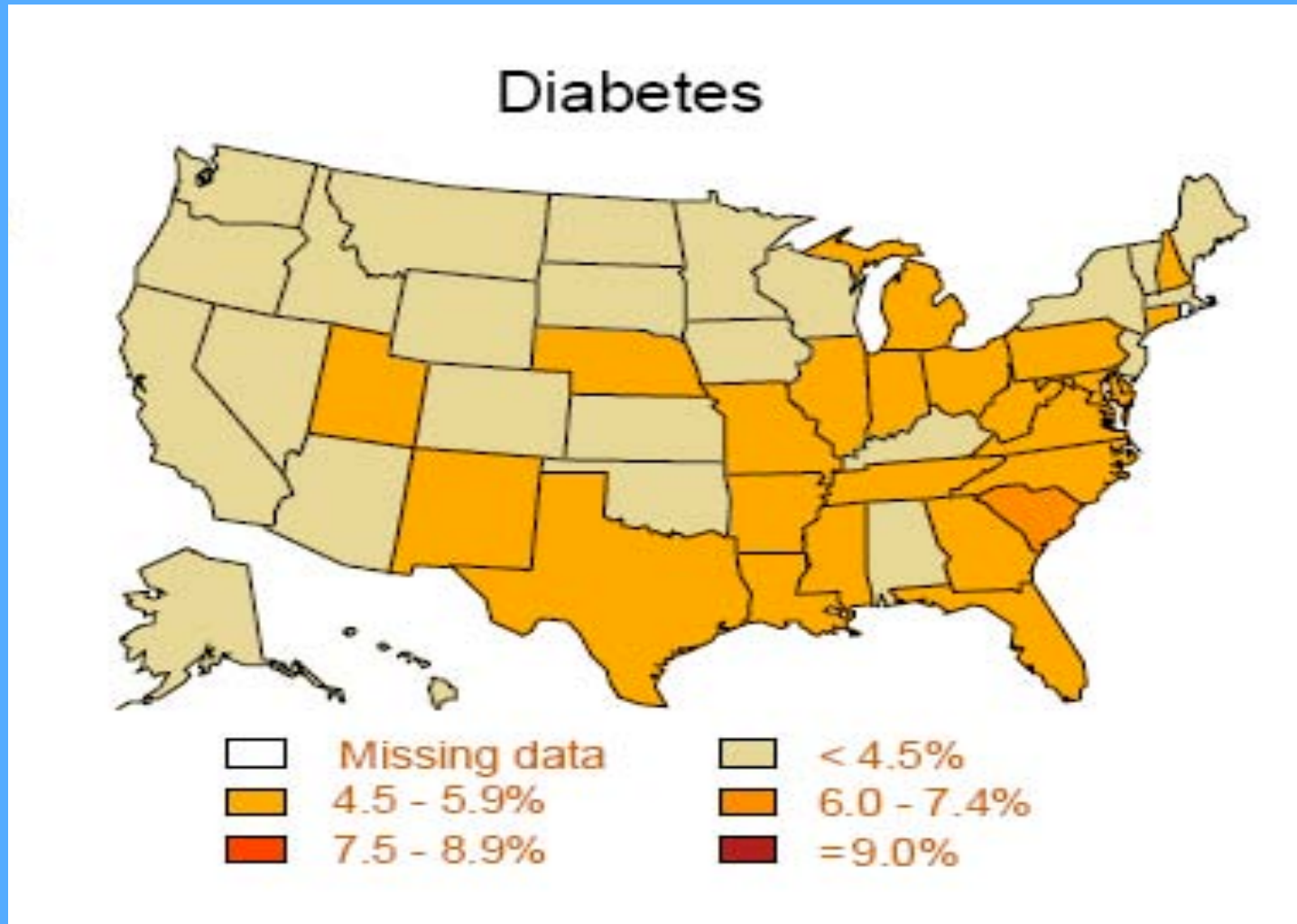


# Relationship Between BMI and Risk of Type 2 Diabetes



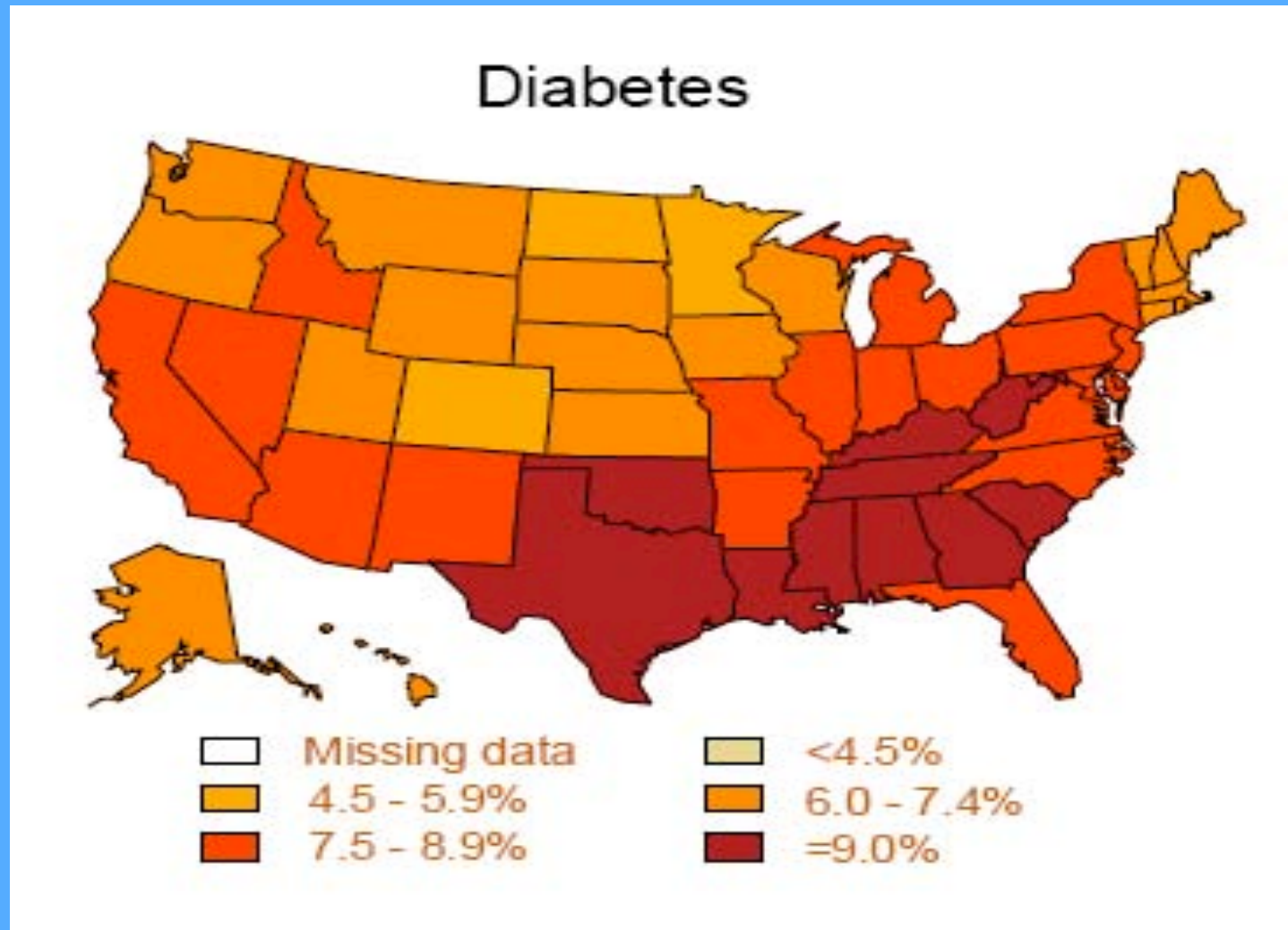
Chan J et al. *Diabetes Care* 1994;17:961.  
Colditz G et al. *Ann Intern Med* 1995;122:481.

# Percentage of US Adults with Diagnosed Diabetes - 1994





# Percentage of US Adults with Diagnosed Diabetes - 2007



# Diabetes Projected Risks: For Babies Born in 2000

Girls: 38% lifetime risk

- If diabetic before age 40, Lifespan shortened by 14 years (Quality of life by 19 years)

Boys: 33% lifetime risk

If diabetic before age 40, Lifespan shortened by 12 years. (Quality of life by 22 years)

V Narayan et al: JAMA 8 Oct 2003

The Atlanta Journal-Constitution / Sunday, June 15, 2003

## CDC: Diabetes to afflict 1 in 3 born in 2000

Scientist says  
kids must  
eat healthier,  
exercise more

By JANET McCONNAUGHEY  
Associated Press

**New Orleans** — One in three U.S. children born in 2000 will become diabetic unless many more people start eating less and exercising more, a scientist with the Centers for Disease Control and Prevention warned Saturday.

The odds are worse for African-American and Latino children: Nearly half of them are likely to develop the disease, said Dr. K.M. Venkat Narayan, a diabetes epidemiologist at the CDC.

"I think the fact that the diabetes epidemic has been raging has been well-known to us for several years. But looking at the risk in these terms was very shocking to us," Narayan said.

The 35 percent lifetime risk is about triple the American Diabetes Association's current estimate.

by 2050, to 29 million, an earlier CDC study by Narayan and others found.

"These estimates I am giving you now are probably quite conservative," Narayan said in an interview before the diabetes association's annual scientific meeting here.

Narayan said it would be difficult to say whether undiagnosed cases would rise at the same rate.

If they did, that could push the 2050 figure to 40 million or more.

Doctors had known for some time that Type 2 diabetes — what used to be called adult-onset diabetes because it typically showed up in middle-aged people — is on the rise, and that patients are getting younger.

Nobody else had crunched the numbers to look at current odds of getting the disease, Narayan said.

Overall, he said, 39 percent of the girls who now are healthy 2½- to 3-year-olds and 35 percent of the boys are likely to develop diabetes, he said.

For Latino children, the odds are closer to one in two: 53 percent of the girls and 45 percent of the boys. The numbers are about 49 percent and 40 percent for African-American girls

## About 26 Million Americans Have Diabetes, Up 9 Pct

By THE ASSOCIATED PRESS

Published: January 26, 2011

**Filed at 11:23 a.m. EST**


ATLANTA (AP) — U.S. health officials have raised their estimate of how many Americans have [diabetes](#) to nearly 26 million.

The [Centers for Disease Control and Prevention](#) released the new estimate Wednesday. It means about 1 in 12 Americans have diabetes, a disease in which the body has trouble processing sugar.

The new figure marks a 9 percent increase from the 2008 estimate of 23.6 million.

Health officials believe diabetes is becoming more common for two reasons — more people are developing [obesity](#)-related [Type 2 diabetes](#), and people who have it are living longer.

But CDC officials say an additional blood sugar test that's now used more widely may be responsible for as much as half of the increase.

 SIGN IN TO E-MAIL

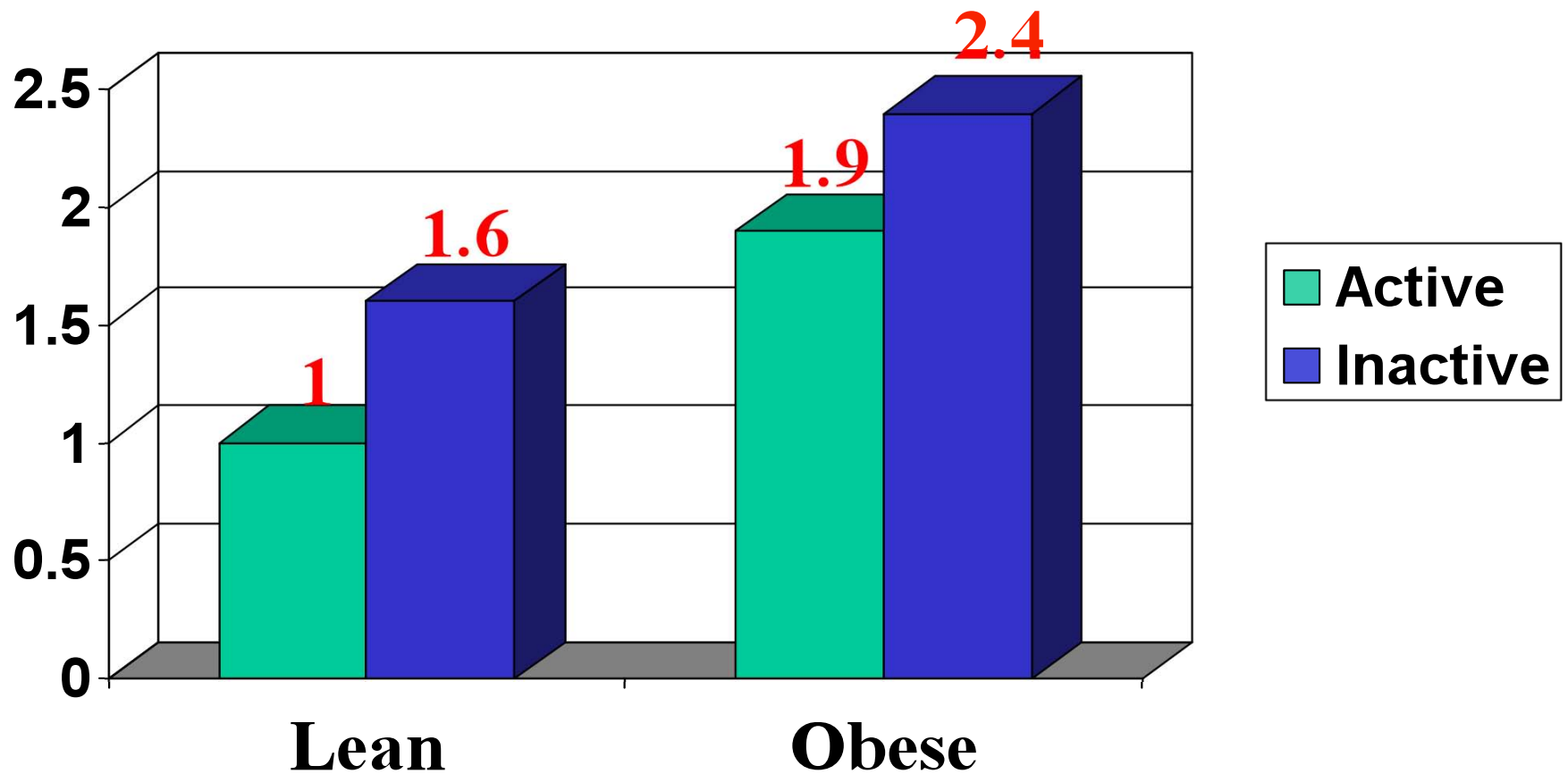
 PRINT





# Nurse Study 1976-2000

## Risk of Death



# “Old” Schools



Credit: Manitovic Public School District



Credit: Hummel Architects, Boise, ID

# “Modern” Schools



Credit: South Carolina Coastal Conservation League



Credit: Constance E. Beaumont, NTHP



# We have changed how much we walk or bike

- Percent of children who walk or bike to school:
  - 1974 → **66%**
  - 2000 → **13%**
- (CDC, 2000)



# Fitness of California's Children

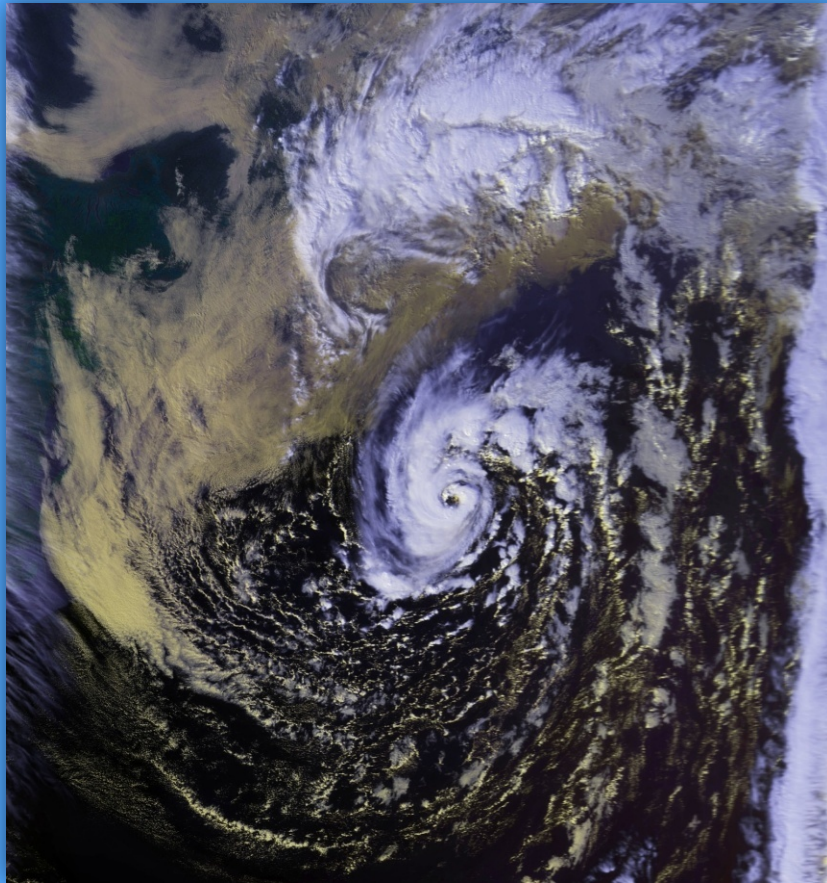
## Annual California Fitnessgram

- **Conducted in Grades 5, 7, and 9**
- **Measures 6 major fitness areas**  
(e.g. aerobic capacity, body composition, flexibility)
- **2004 Results: Who passed all standards?**

Grade 5 → 25%

Grade 7 → 29%

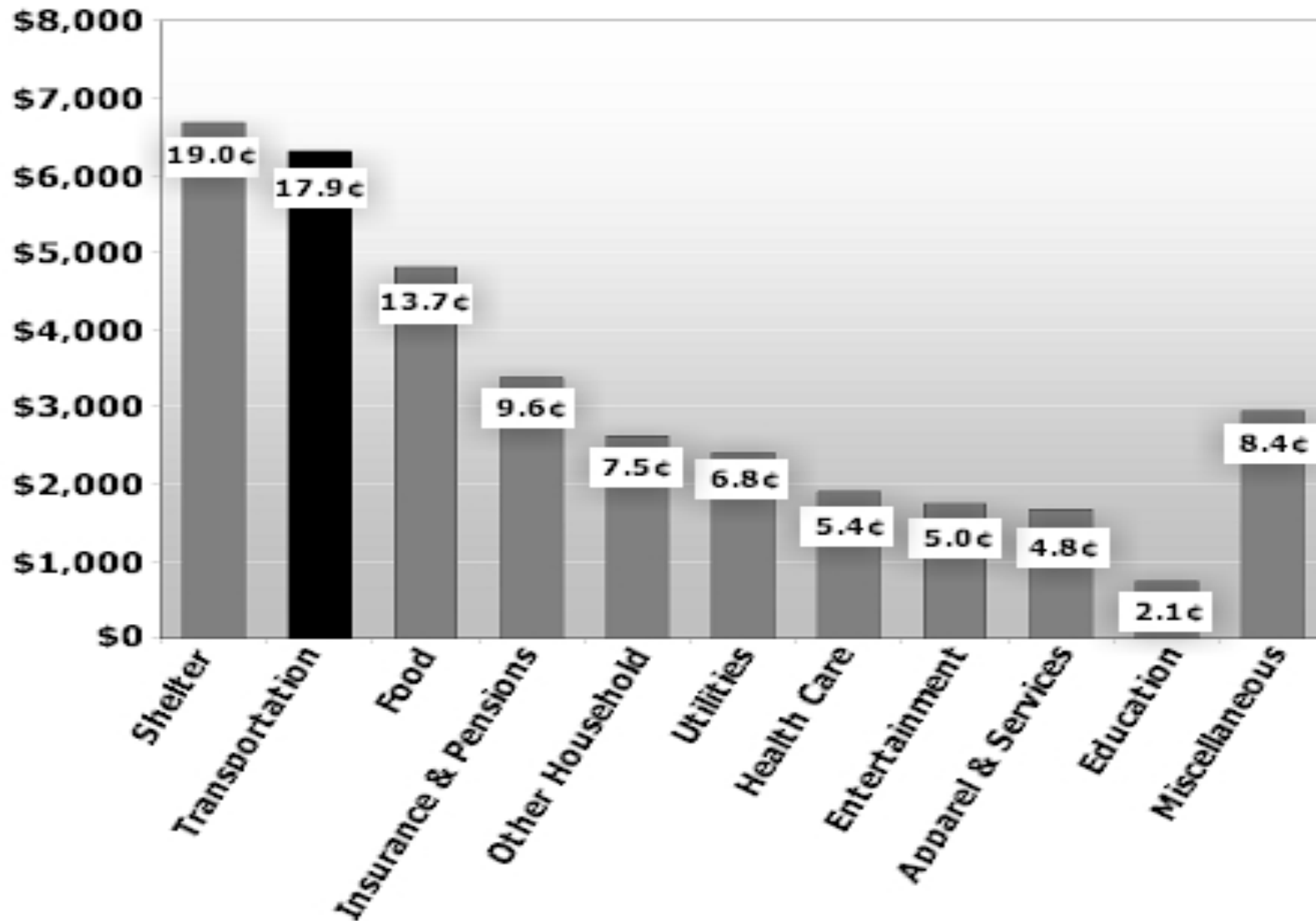
Grade 9 → 26%



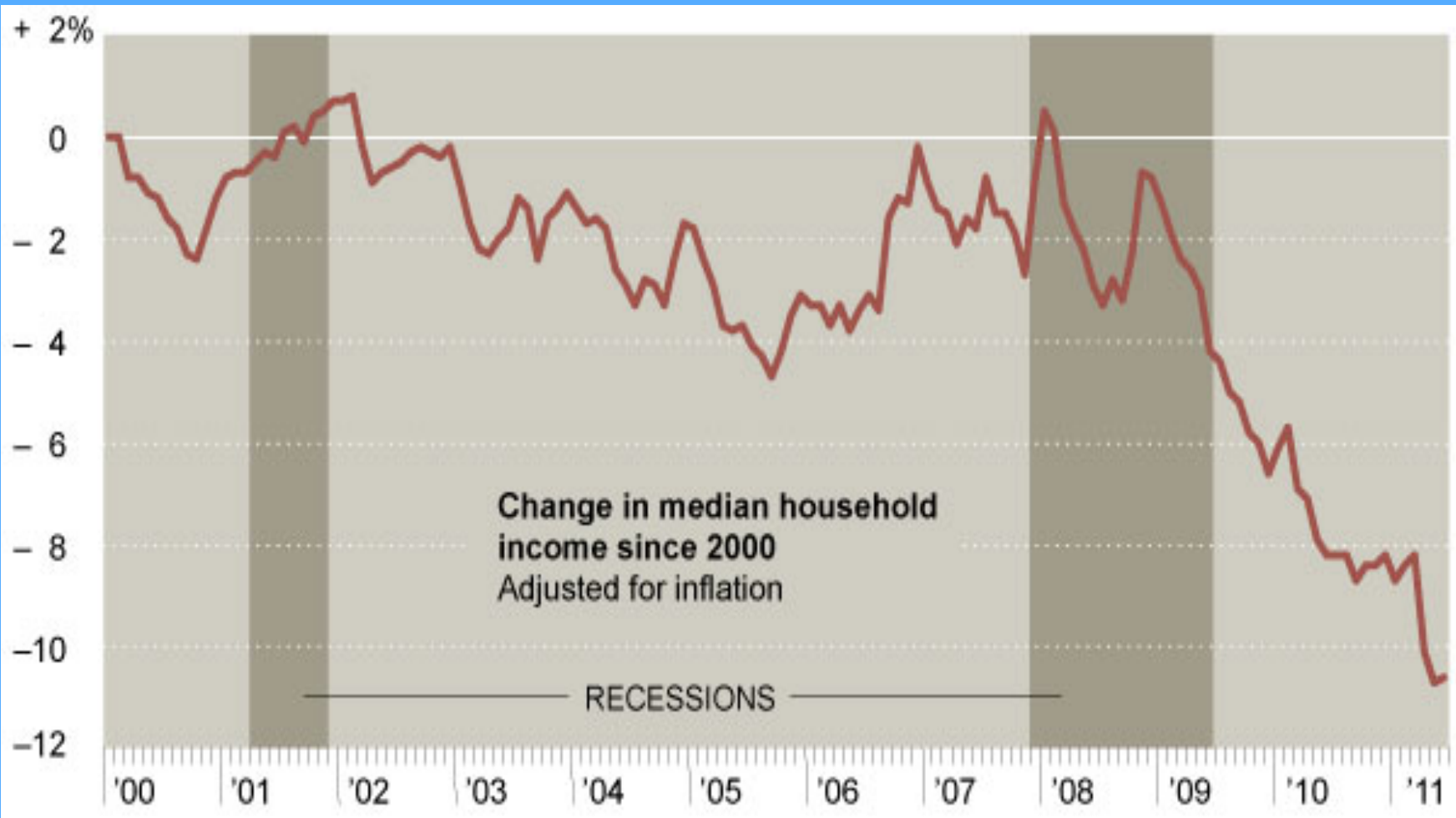
# The Perfect Storm

- Social and Health Challenges
- Economic Challenges
- Environmental Challenges



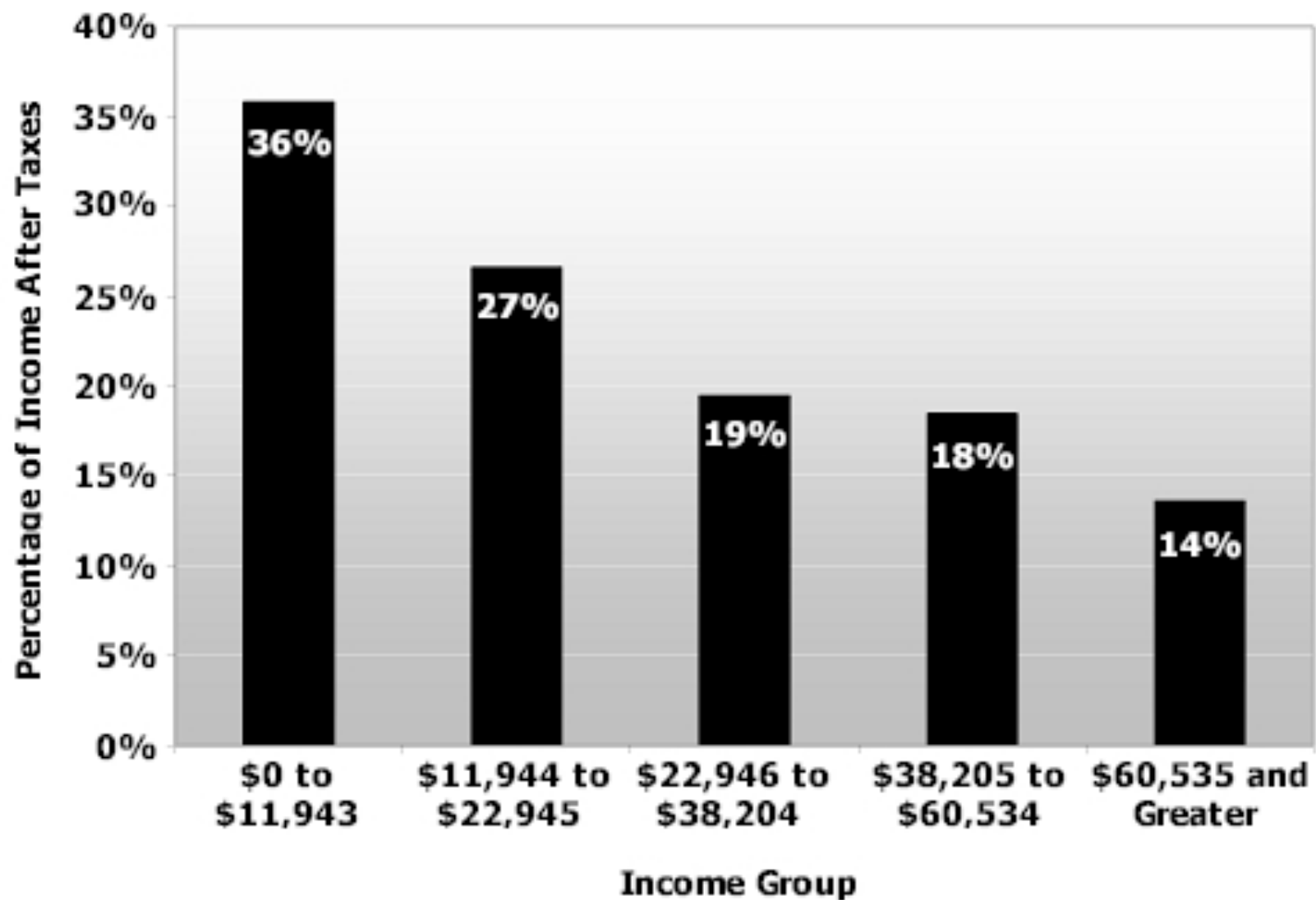


<http://www.transact.org/PDFs/DriventoSpend.pdf>



**Change in median household income since 2000**  
Adjusted for inflation

RECESSIONS



<http://www.transact.org/report.asp?id=41>



# **Expenditure Cascades**

By

Robert H. Frank,<sup>1</sup> Adam Seth Levine,<sup>2</sup> and Oege Dijk<sup>3</sup>

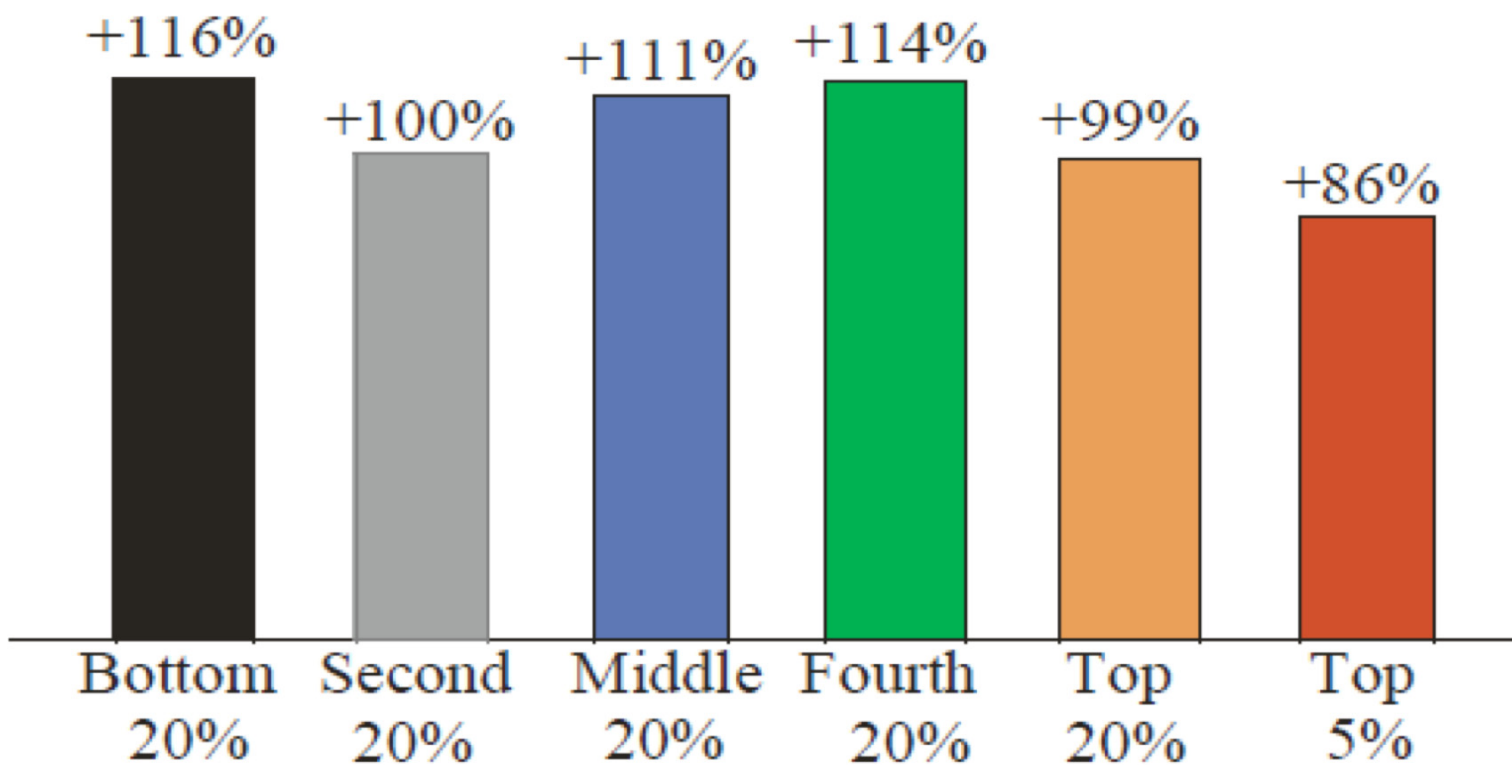
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<sup>1</sup> Cornell University, Johnson Graduate School of Management, Ithaca, NY 14853

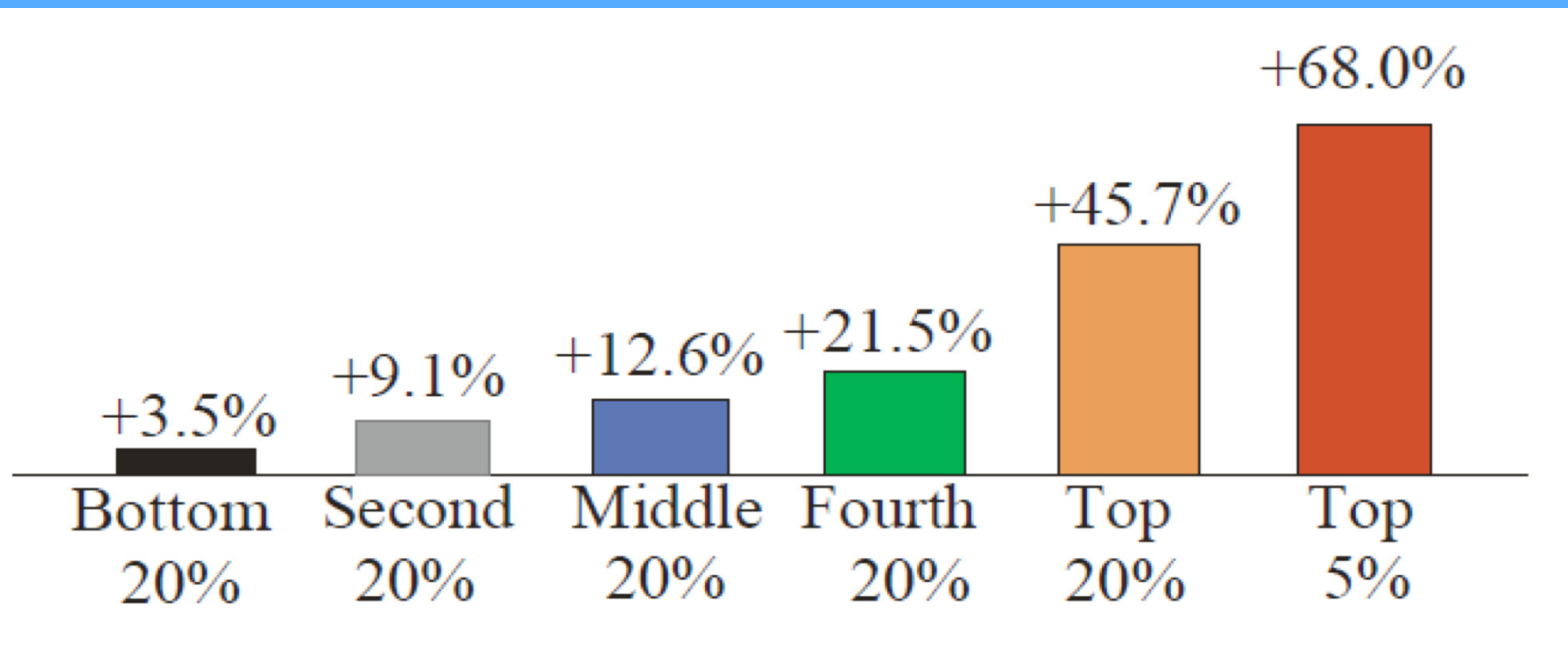
<sup>2</sup> University of Michigan, Department of Political Science, Ann Arbor, MI 48109

<sup>3</sup> European University Institute, Department of Economics, Fiesole, Italy 50014

# Changes in Before Tax US Household Incomes 1949-1979

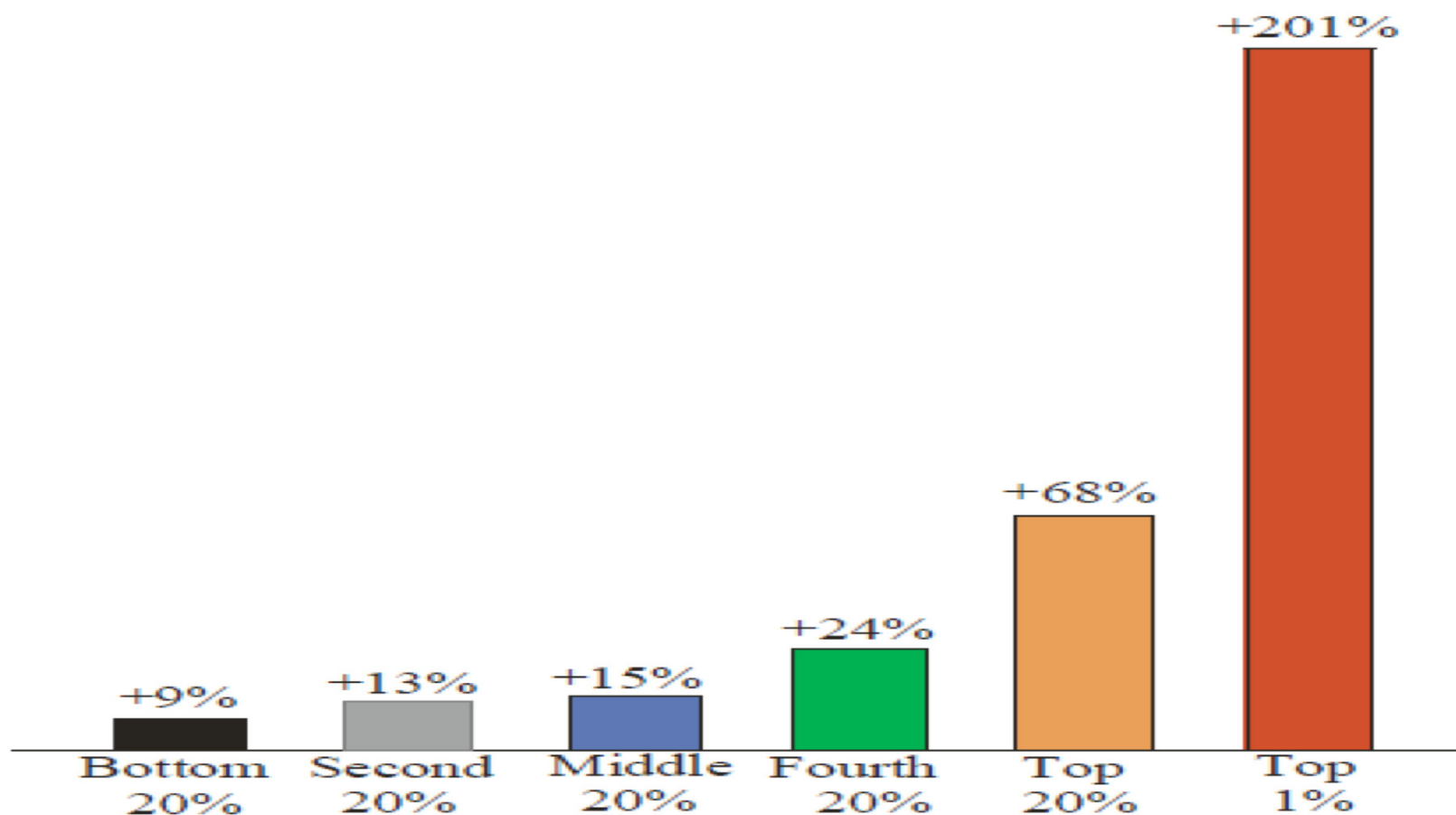


# Changes in Before Tax US Household Incomes 1979-2003





# Changes In After-Tax US Household Income 1979-2000



## Bottom of the Heap

Selected measures from the report "Social Justice in the OECD – How Do the Member States Compare?" Includes some categories of index ratings and some raw data.



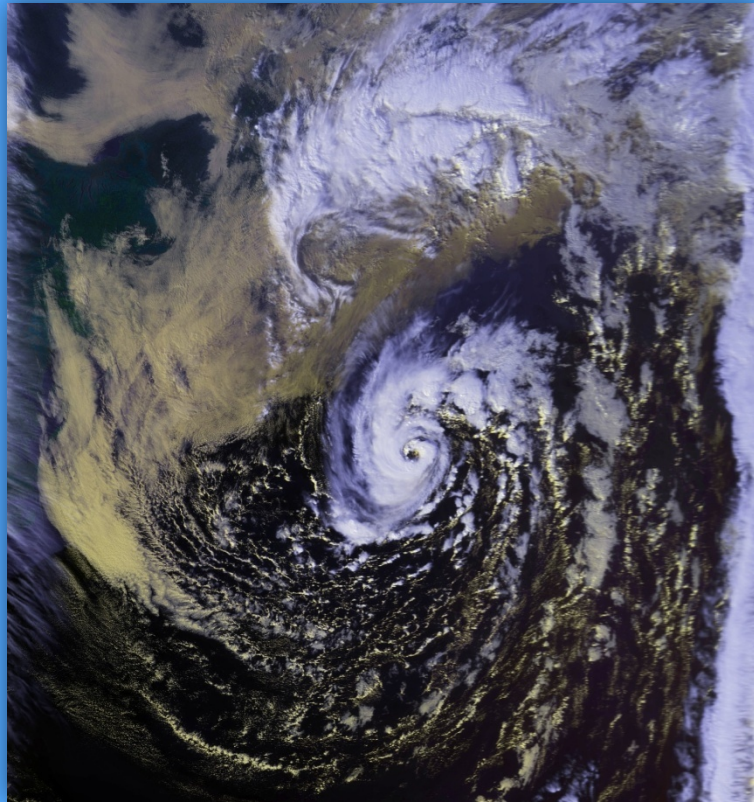
Ratings are weighted and on a scale of 1 (lowest) to 10 (highest).

Inter-generational justice rating includes family and pension policies, environmental policies and assessment of political-economic being established for future generations.

	Overall social justice rating	Overall poverty prevention rating	Overall poverty rate	Child poverty rate	Senior citizen poverty rate	Income inequality (Gini index) Higher numbers represent more income inequality	Pre-primary education Public expenditure on pre-primary education as a percentage of GDP	Health rating Inclusion, quality of service, and perceived health between highest/lowest incomes	
Iceland	8.73	8.97	8.4%	8.7%	6.7%	0.201	0.75%	8.50	7.18
Norway	8.51	8.87	7.8	5.5	8.0	0.250	0.42	7.90	8.53
Denmark	8.20	8.16	6.1	3.7	12.3	0.288	0.60	7.50	8.70
Sweden	8.18	8.43	8.4	7.0	9.9	0.259	0.67	7.87	9.00
Finland	8.06	8.53	8.0	5.2	13.0	0.259	0.59	7.17	8.01
Netherlands	7.72	8.88	7.2	9.6	1.7	0.294	0.38	7.08	6.82
Switzerland	7.44	7.39	9.3	9.4	17.8	0.303	0.19	8.03	7.55
Luxembourg	7.27	8.35	8.5	11.0	2.7	0.288	0.45	7.88	7.01
Canada	7.26	7.00	12.0	14.8	4.9	0.224	0.20	7.83	6.06
France	7.25	8.66	7.2	9.3	5.3	0.283	0.83	7.87	7.17
Czech Republic	7.17	8.18	5.5	8.0	3.6	0.256	0.42	5.84	5.97
New Zealand	7.14	6.27	11.0	12.2	28.5	0.330	0.45	8.18	6.98
Austria	7.13	8.49	7.9	7.2	9.9	0.261	0.45	6.87	7.11
Germany	7.03	8.12	8.9	8.3	10.3	0.295	0.40	6.63	6.87
Britain	6.79	8.92	11.0	13.2	12.2	0.345	0.28	6.77	6.95
Belgium	6.73	7.56	9.4	10.0	13.5	0.259	0.29	7.05	6.10
Hungary	6.41	9.14	6.4	7.2	4.7	0.272	0.69	5.08	6.04
Ireland	6.41	7.51	9.1	11.0	13.4	0.293	0.003	7.00	6.06
Italy	6.29	6.78	11.4	15.2	8.9	0.337	0.49	7.45	5.12
Poland	6.17	7.15	11.2	13.5	7.7	0.265	0.57	5.04	5.33
Australia	6.14	4.24	14.6	14.0	39.2	0.336	0.64	7.80	6.29
Japan	6.00	5.21	15.7	14.2	21.7	0.329	0.09	7.66	4.95
Portugal	5.97	5.77	19.0	19.7	15.2	0.353	0.37	5.66	5.60
Slovakia	5.96	8.33	7.2	10.7	7.2	0.257	0.37	5.94	5.24
South Korea	5.85	4.28	15.0	10.3	45.1	0.315	0.09	7.18	5.72
Spain	5.83	5.20	14.0	17.2	20.8	0.317	0.63	7.35	5.77
United States	5.70	3.85	17.3	21.6	22.3	0.378	0.33	6.23	5.95
Greece	5.37	6.24	10.8	13.2	22.7	0.207	0.11	6.81	3.47
Chile	5.20	3.80	18.4	24.0	22.8	0.494	0.59	5.85	5.32
Mexico	4.75	2.11	21.0	25.8	28.0	0.475	0.59	3.51	5.34
Turkey	4.19	4.26	17.0	23.5	13.7	0.469	0.02	3.79	5.95

Source: Bertelsmann Stiftung

- Social Justice in the OECD– How do member countries compare?
- US is in the bottom 5 including for:
- Overall Social Justice
- Childhood Poverty Rate
- Income Inequality



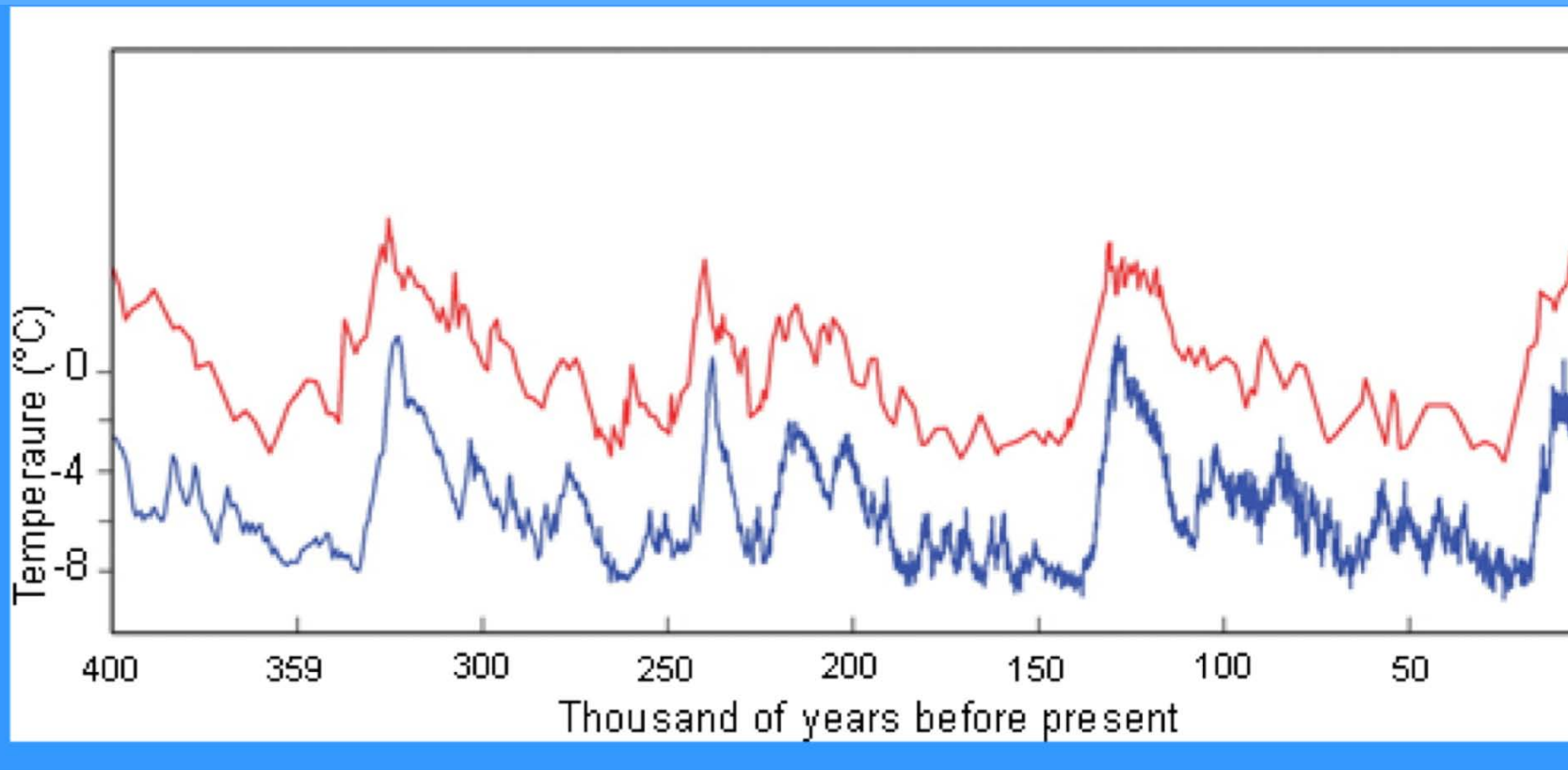
How about the  
environmental  
challenges?

“Perfect Storm”

November 1, 1991

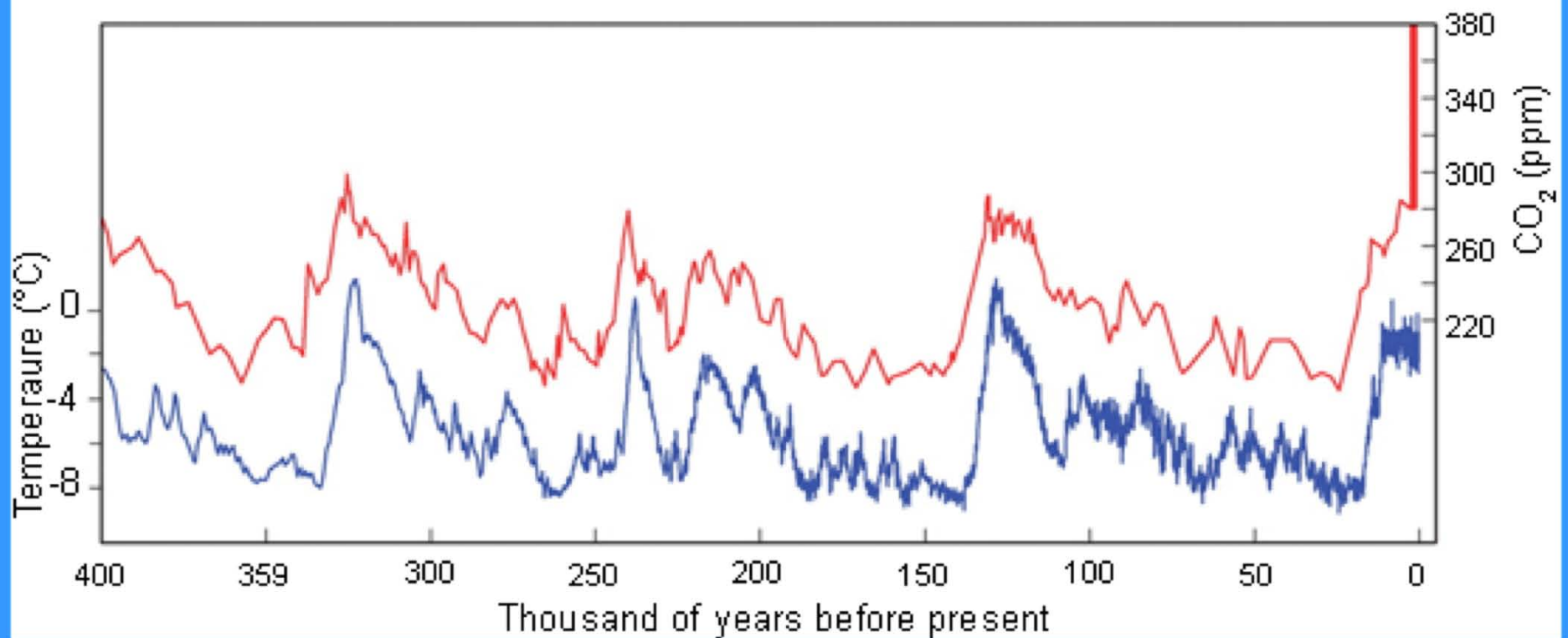


# Changes in CO<sub>2</sub> and Temperature in the last 399,000 years



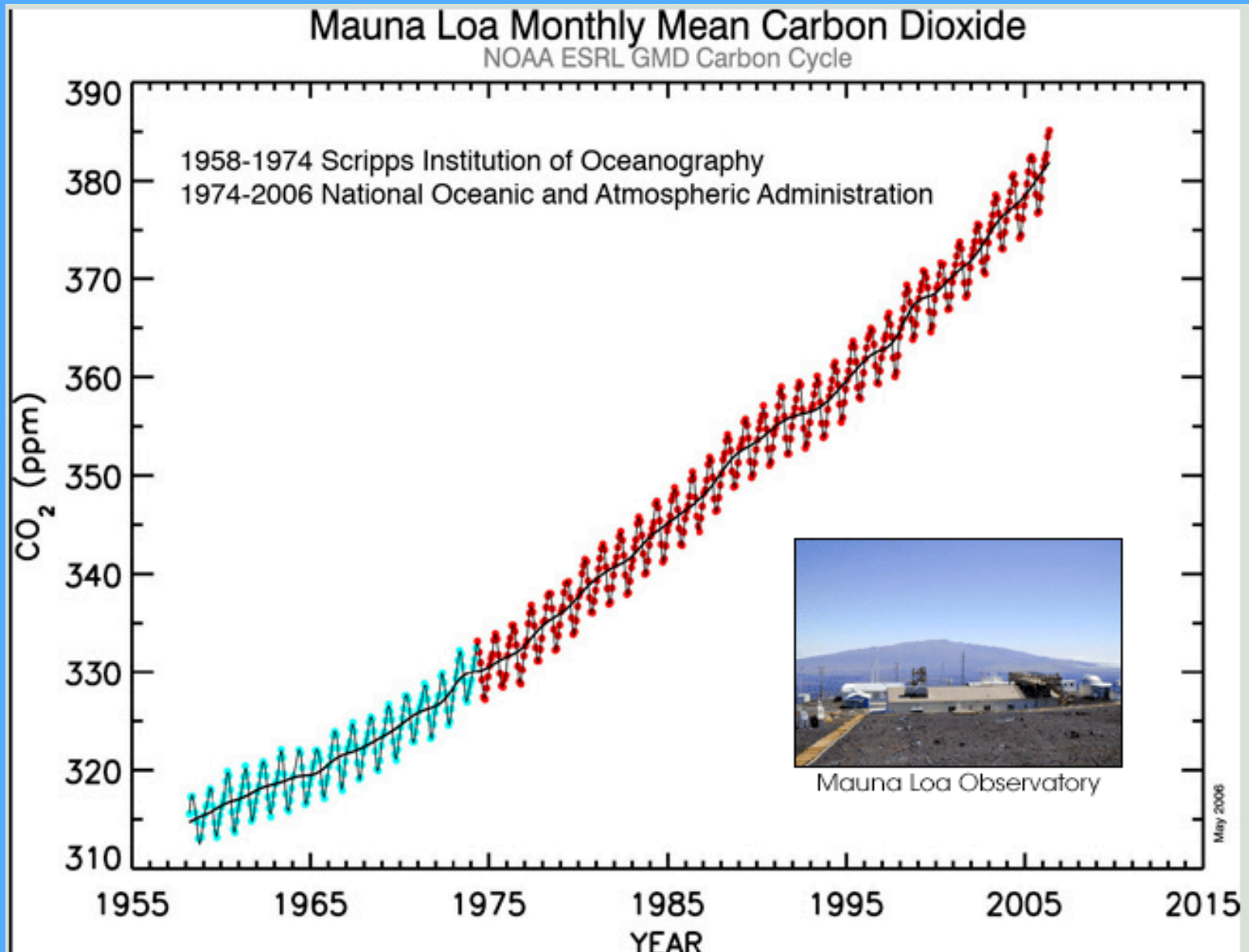
A. V. Fedorov et al. *Science* 312, 1485 (2006).

# Changes in CO<sub>2</sub> and Temperature in the last 400,000 years



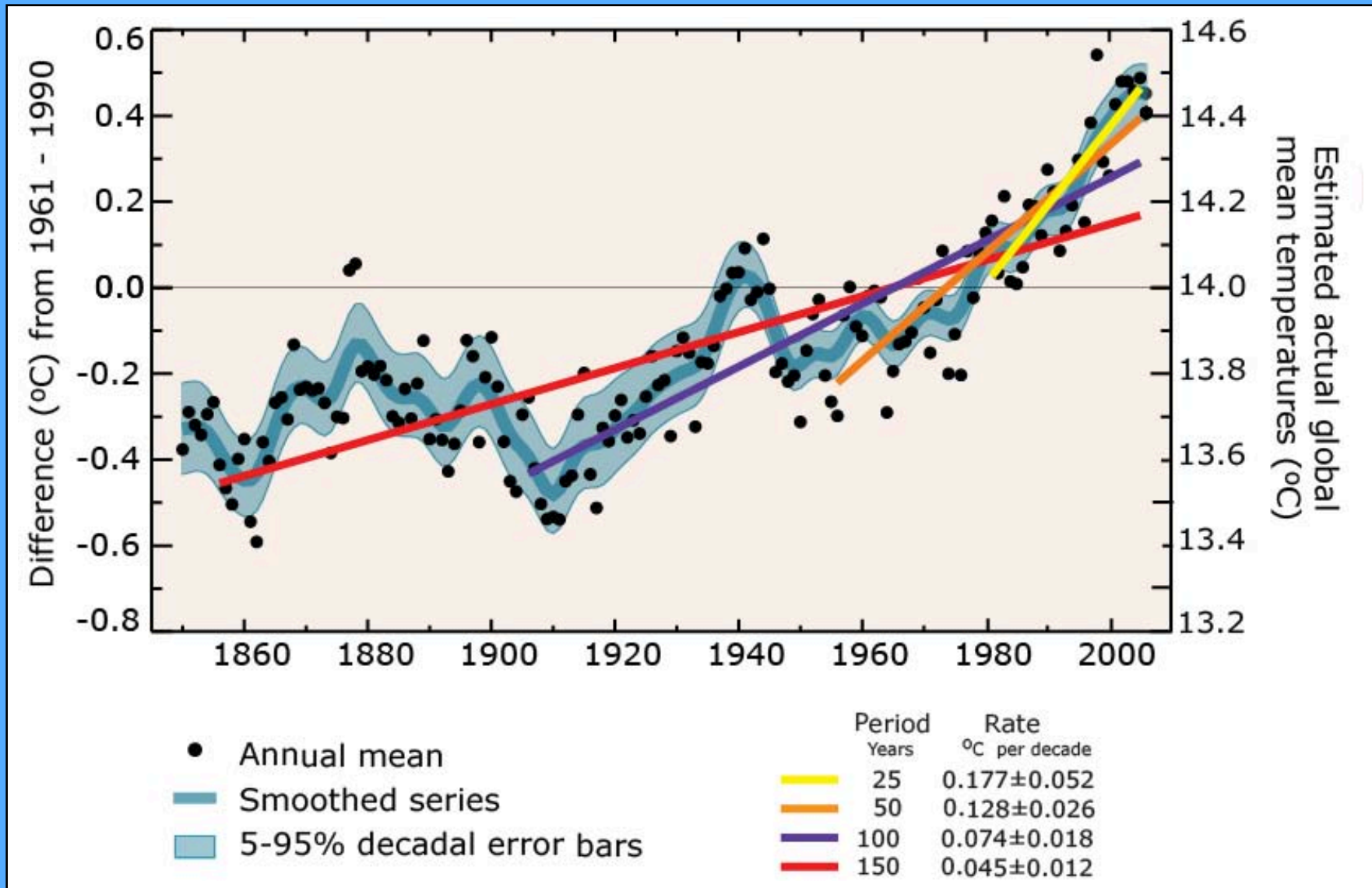
A. V. Fedorov et al. *Science* 312, 1485 (2006).

# “Keeling Curve”

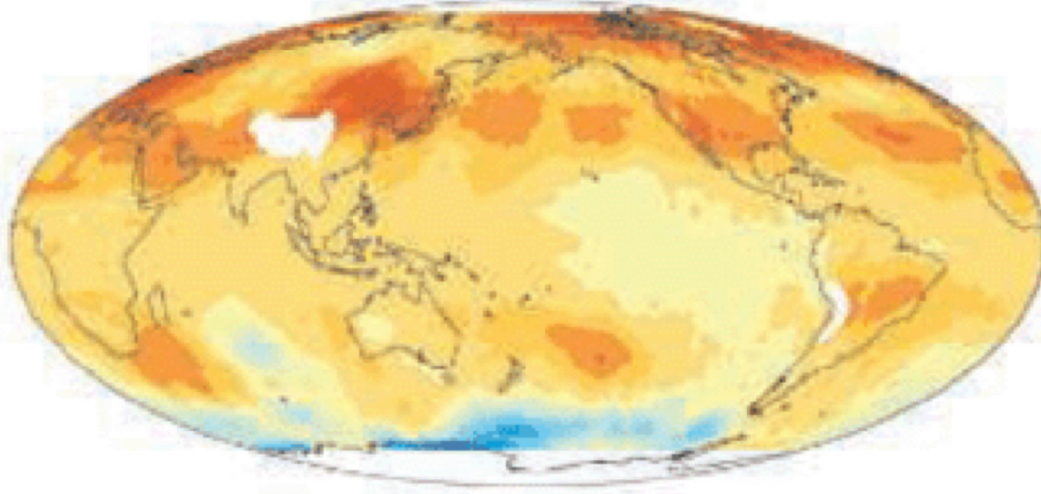




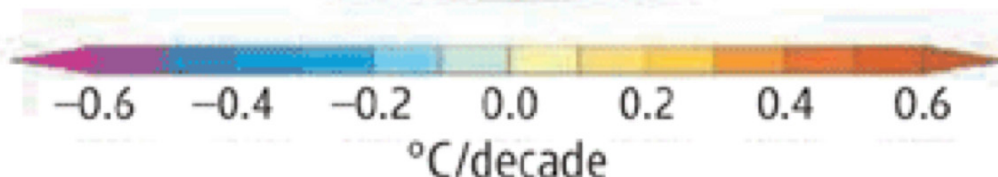
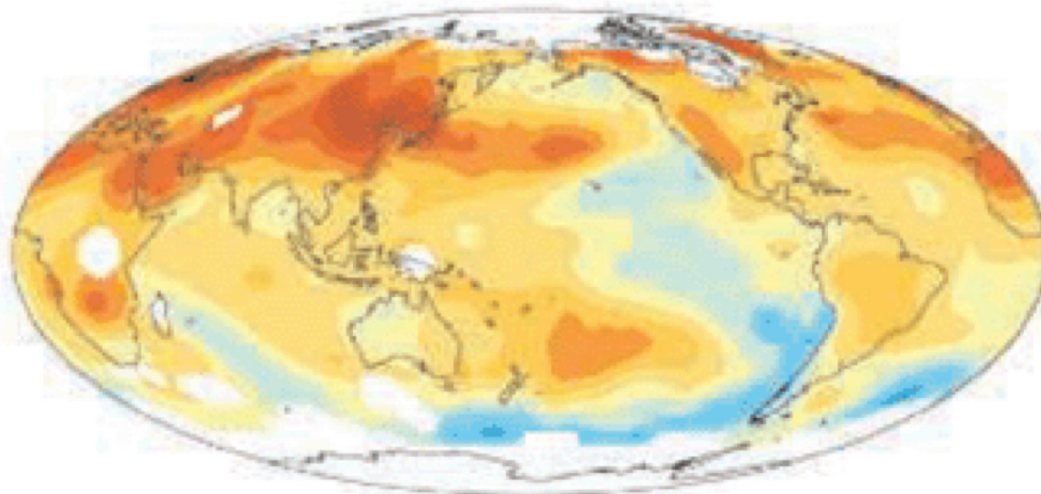
# Global average temperature



Lower Troposphere



Surface



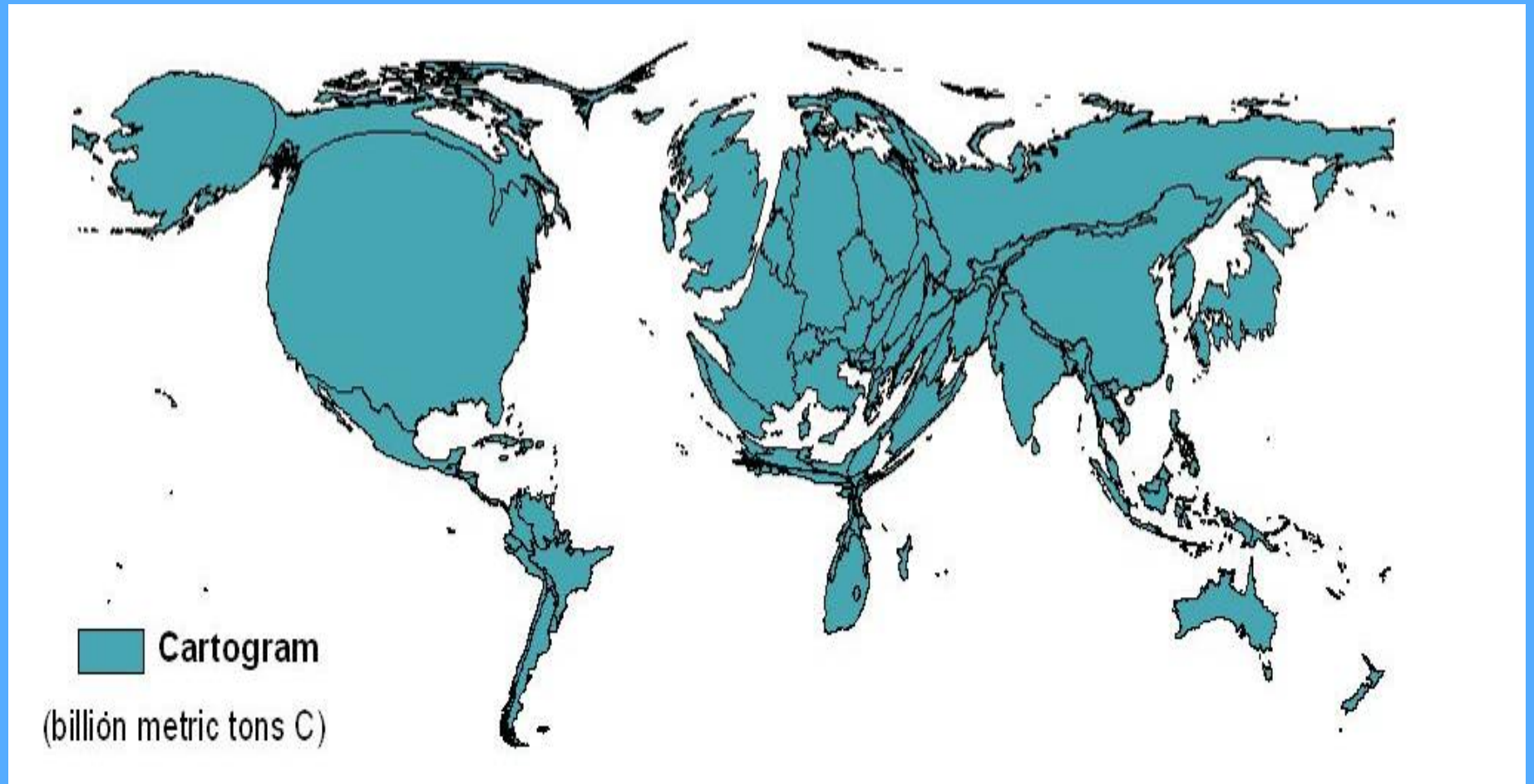
## NOAA-measured Global Temperature Change

- The atmosphere and the earth's surface have become hotter over the last 25 years.

*Science* 12 May 2006:  
Vol. 312. no. 5775, p. 825

# CUMULATIVE greenhouse emissions in 2002, by country

Density-equalizing cartogram;  
WHO region size proportional to mortality

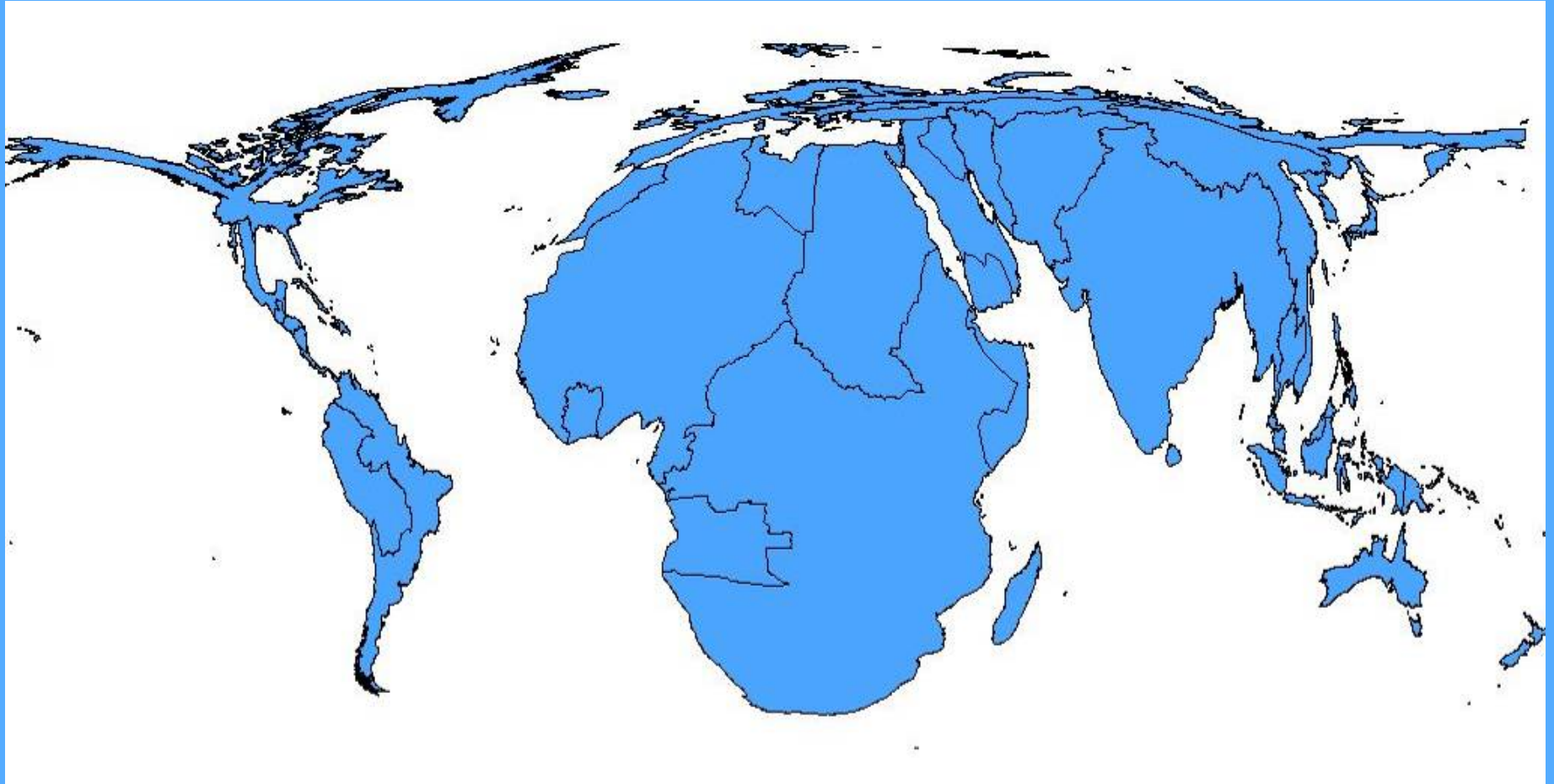


Jonathan Patz, University of Wisconsin

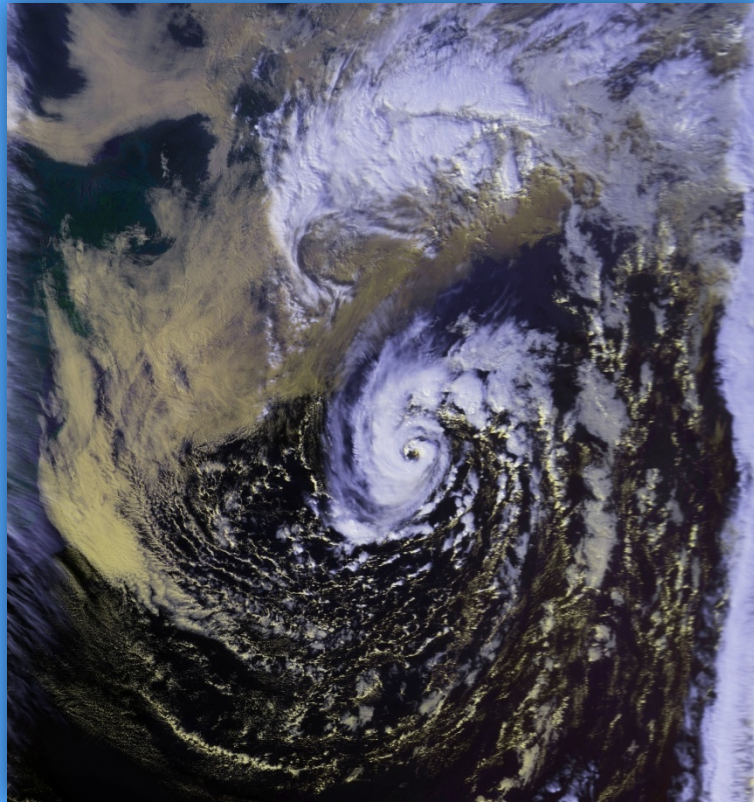


# Climate-related mortality (per $10^6$ population), 2000

Density-equalizing cartogram; WHO region size proportional to mortality



Jonathan Patz, University of Wisconsin



“Cross-  
Domain  
Solutions”

“Perfect Storm”

November 1, 1991

# **Institute of Medicine**

*The purpose of public health is  
to fulfill society's interest in  
assuring the conditions in which  
people can be healthy*



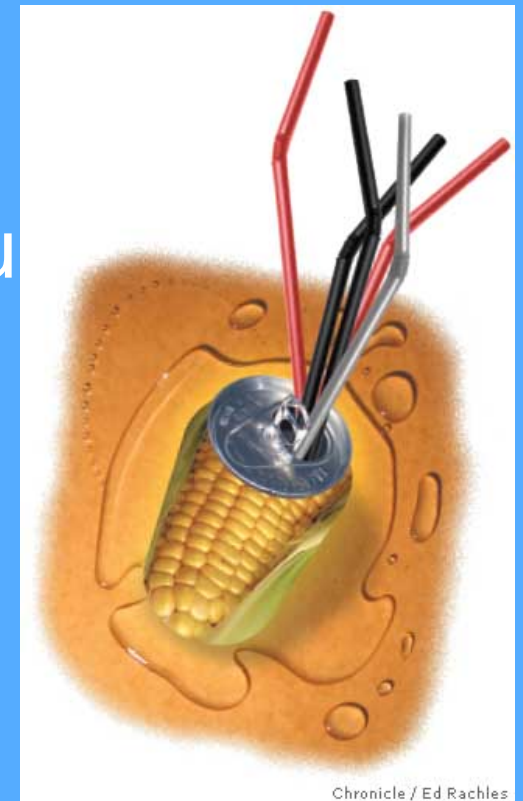
# Food



# 1 cent per teaspoon HFCS?

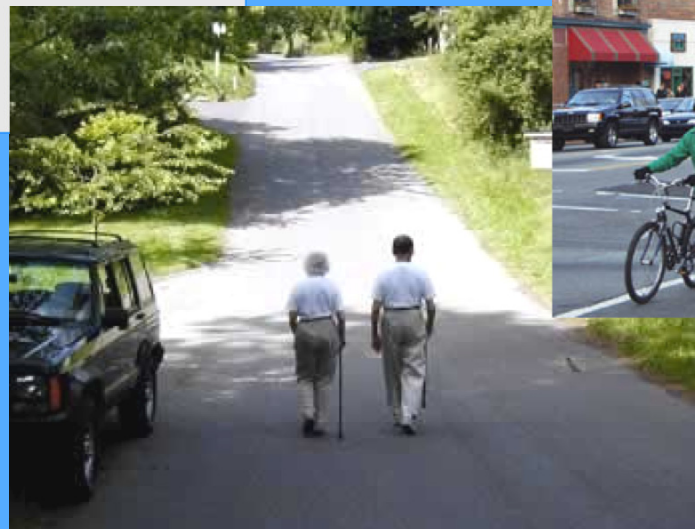
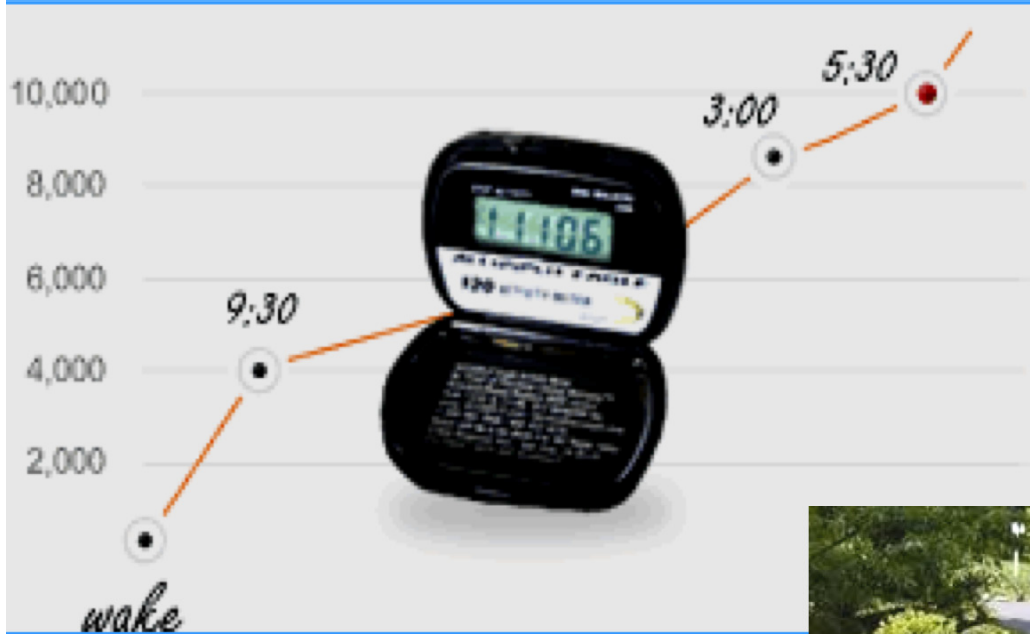
- Average American consumes 63 pounds of HFCS each year (6,048 teaspoons).
- US population: 300 million
- \$0.01 per teaspoon HFCS would generate...

***\$18 billion a year***



# 10,000 Steps a Day

Originated from Japanese: "Manpo-Kei"

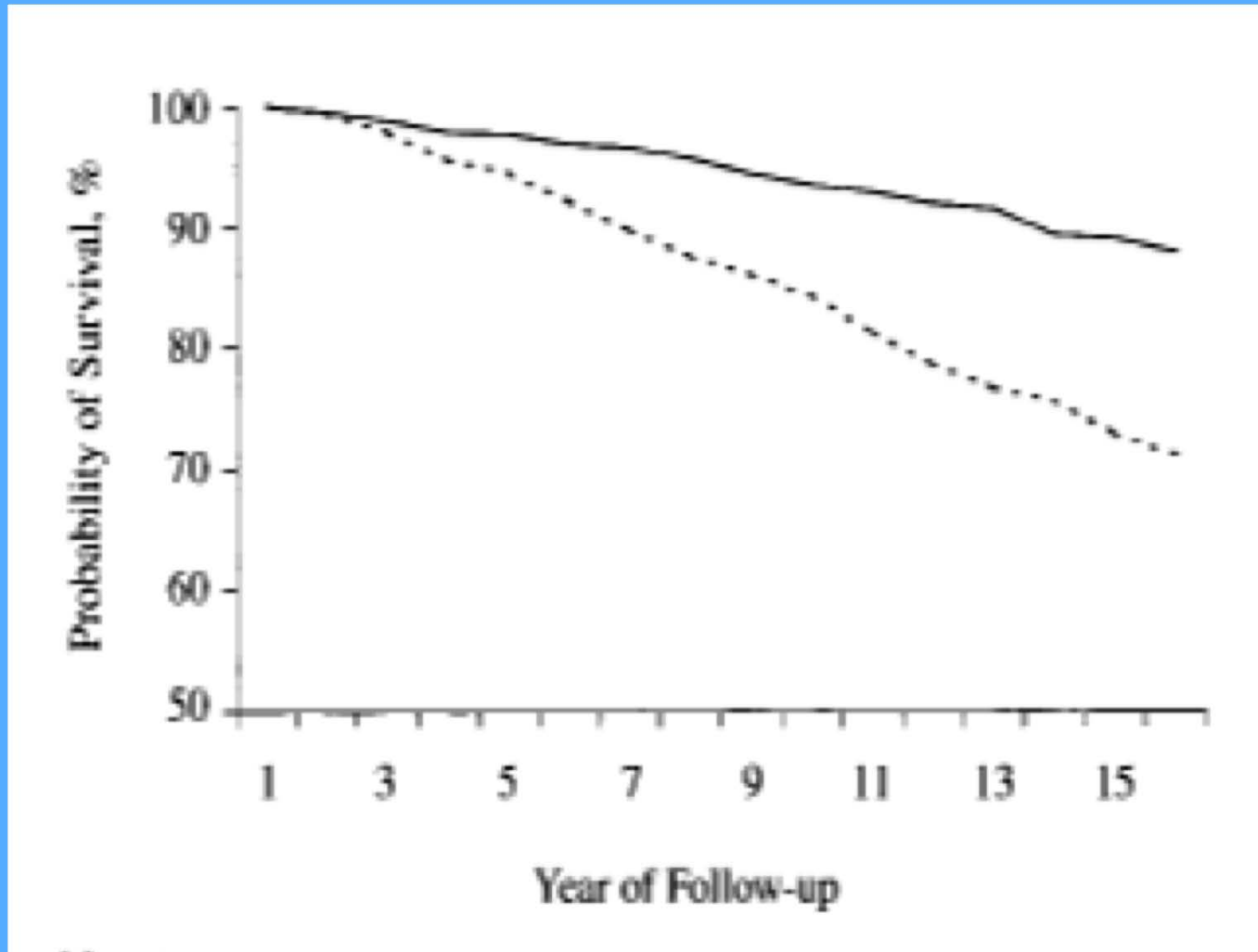


# 10,000 steps

- 3234 people with IGT (Pre-Diabetes)
- walked or exercised five times a week for 30 minutes
- lost 5% to 7% of their body weight
- reduced their risk of diabetes by 58%



# Survival of 1263 men with Type 2 Diabetes: Fit vs Unfit



Low Cardiorespiratory Fitness and Physical Inactivity as Predictors of Mortality in Men with Type 2 Diabetes." 18 April 2000 *Annals of Internal Medicine* 132, pp 605-611 M. Wei et al

# Educational Benefits of Walking and Biking to School

- Increases concentration
- Improves mood and ability to be alert
- Improves memory and learning
- Enhances creativity





**NO DUMPING**



**DRAINS TO OCEAN**

**NO DUMPING**



**DRAINS TO BAY**

**THIS ONE  
RUNS ON FAT  
AND SAVES YOU MONEY**



**THIS ONE  
RUNS ON MONEY  
AND MAKES YOU FAT**



*Photo: Carlton Reid via Flickr, Art: Peter Drew*

<http://www.grist.org/article/2010-08-26-when-streets-tell-the-truth-about-people-riding-in-cars-bikes/>



# Charlotte, NC, Light Rail Opened November, 2007



# The Effect of Light Rail Transit on Body Mass Index and Physical Activity

John M. MacDonald, PhD, Robert J. Stokes, PhD, Deborah A. Cohen, MD, MPH, Aaron Kofner, MS, Greg K. Ridgeway, PhD

---

**Background:** The built environment can constrain or facilitate physical activity. Most studies of the health consequences of the built environment face problems of selection bias associated with confounding effects of residential choice and transportation decisions.

**Purpose:** To examine the cross-sectional associations between objective and perceived measures of the built environment; BMI; obesity (BMI > 30 kg/m<sup>2</sup>); and meeting weekly recommended physical activity (RPA) levels through walking and vigorous exercise. To assess the effect of using light rail transit (LRT) system on BMI, obesity, and weekly RPA levels.

**Methods:** Data were collected on individuals before (July 2006–February 2007) and after (March 2008–July 2008) completion of an LRT system in Charlotte NC. BMI, obesity, and physical activity levels were calculated for a comparison of these factors pre- and post-LRT construction. A propensity score weighting approach adjusted for differences in baseline characteristics among LRT and non-LRT users. Data were analyzed in 2009.

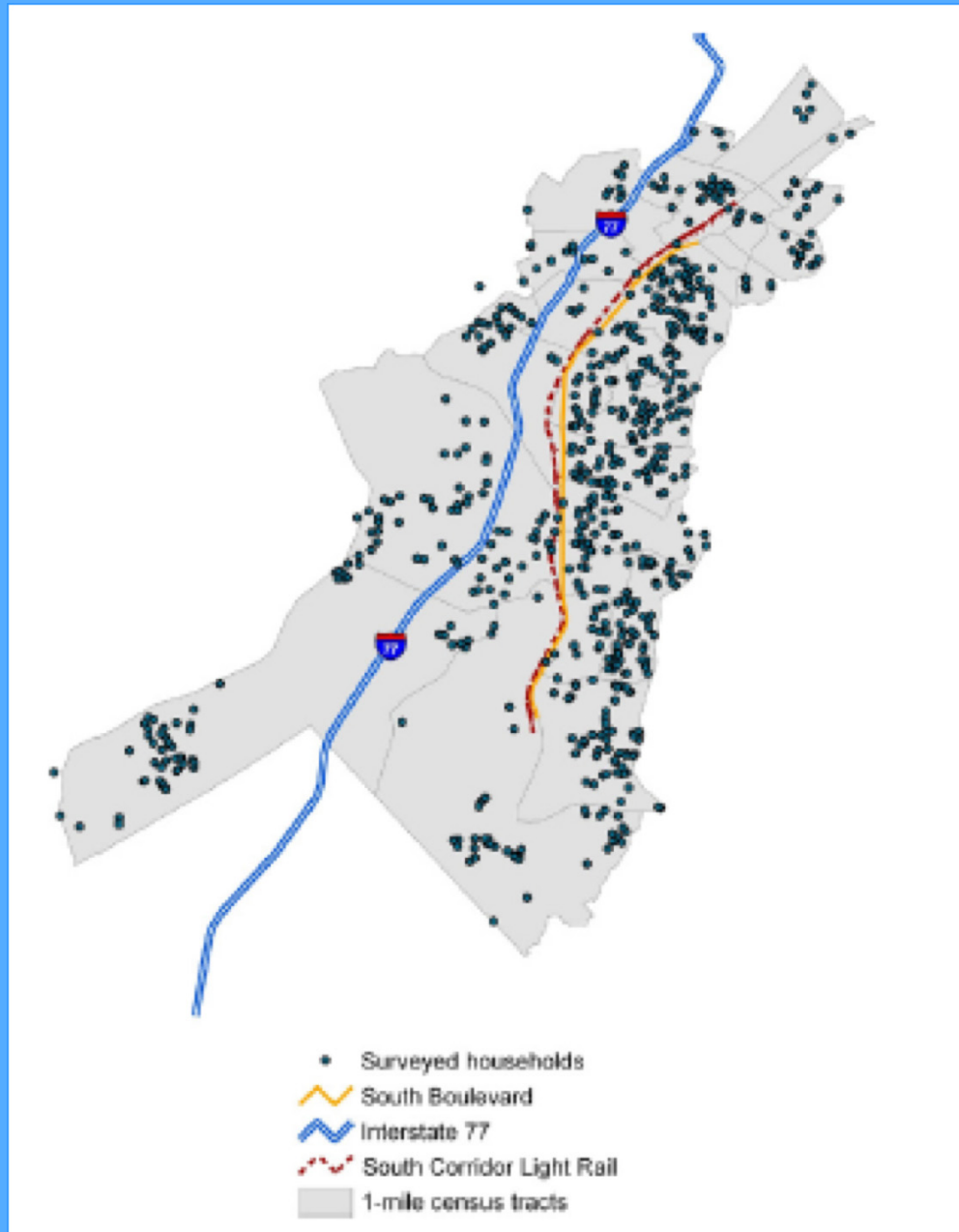
**Results:** More-positive perceptions of one's neighborhood at baseline were associated with a  $-0.36$  ( $p < 0.05$ ) lower BMI; 15% lower odds (95% CI = 0.77, 0.94) of obesity; 9% higher odds (95% CI = 0.99, 1.20) of meeting weekly RPA through walking; and 11% higher odds (95% CI = 1.01, 1.22) of meeting RPA levels of vigorous exercise. The use of LRT to commute to work was associated with an average  $-1.18$  reduction in BMI ( $p < 0.05$ ) and an 81% reduced odds (95% CI = 0.04, 0.92) of becoming obese over time.

**Conclusions:** The results of this study suggest that improving neighborhood environments and increasing the public's use of LRT systems could provide improvements in health outcomes for millions of individuals.

(Am J Prev Med 2010;39(2):105–112) © 2010 American Journal of Preventive Medicine

# Before and After the Charlotte Light Rail Began Service

- July, 2006- Feb, 2007
- March 2008- July, 2008



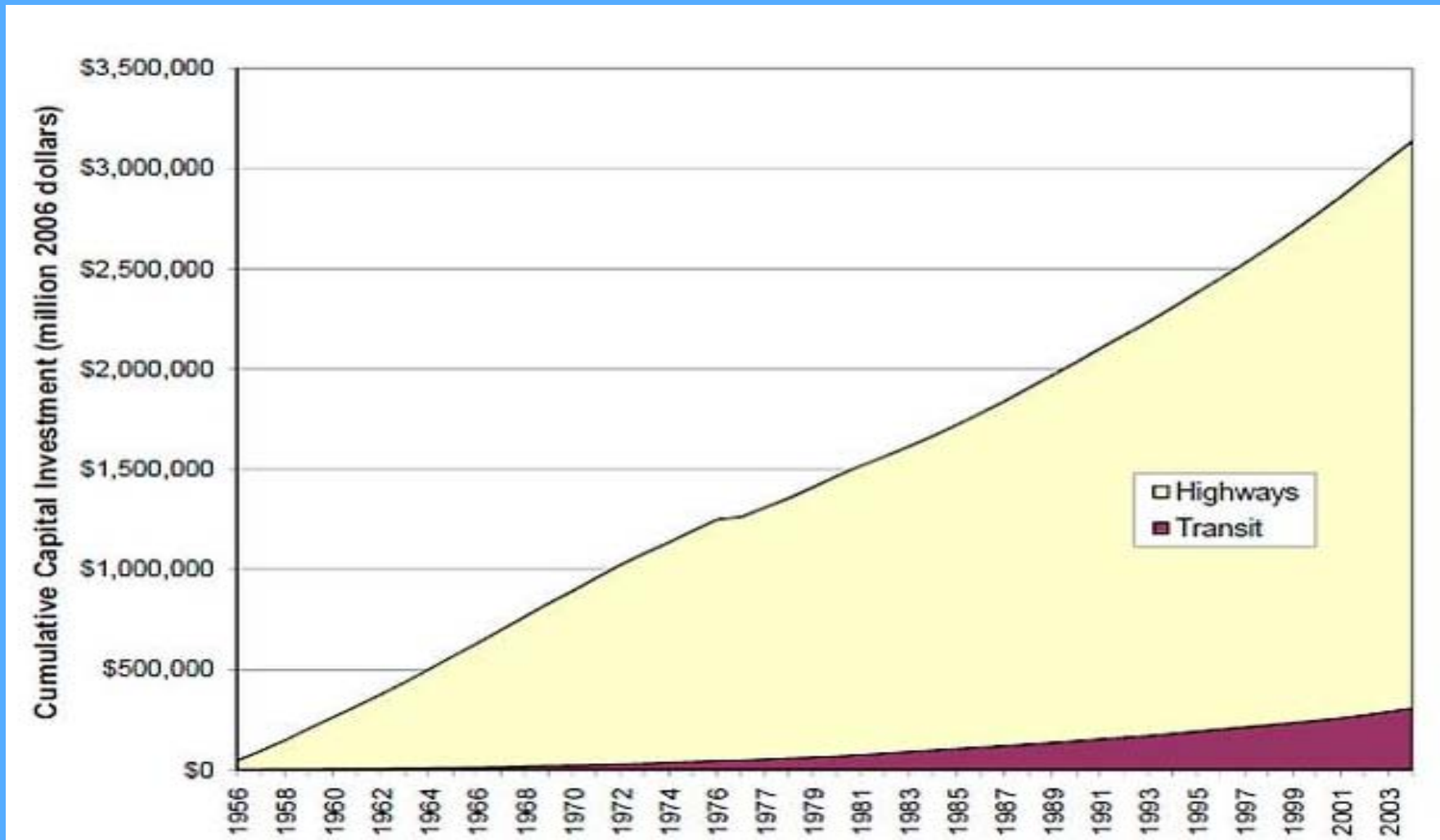
Interviewed  
People at 839  
Locations  
years before  
and after  
Charlotte  
Light Rail  
Service Began



- Significant increase in meeting the weekly Recommended Physical Activity
- ... through walking (Odds Ratio 1.09)
- ...and through vigorous exercise (OR 1.11)

- The use of Light Rail Transit to commute to work was associated with an average reduction of 1.18 BMI points ( $p < 0.05$ ) and 81% reduced odds of becoming obese over time.
- For a person who is 5'5" --equivalent to a relative weight loss of 6.45 lbs.

# Cumulative Government Capital Investment in Transit and Highways Since 1956



<http://www.calpirg.org/home/reports/report-archives/world-class-public-transit/world-class-public-transit/a-better-way-to-go-meeting-americas-21st-century-transportation-challenges-with-modern-public-transit>



## Transportation for America

Dear Richard J

A key House Committee is threatening to kill three decades of successful investments in mass transit — originally started under President Ronald Reagan — **by ending the guarantee for dedicated funding for public transportation, leaving millions of riders already faced with service cuts and fare increases out in the cold.**

In a stunning development late last night, House leadership and the Ways and Means committee **made a shocking attack on transit** that would have huge impacts for the millions of people who depend on public transportation each day.

They proposed putting every public transportation system in immediate peril by eliminating guaranteed funding for the Mass Transit Account and forcing transit to go begging before Congress for general funds each year — all while highway spending continues to be guaranteed with protected funds for half a decade at a time.

Will we be stuck waiting for the bus, or just tossed underneath it?

Stop the House's unprecedented assault on public transportation. Only 24 hours before they vote Friday morning.

[Send an urgent message to your representative today.](#)





# Built Environment

Volume 33, Number 1

Published by Ashgate Press and edited by Peter Hall and David Banister

## Climate Change and Cities

GUEST EDITOR: DARRYN McEVOY

10% increase in  
urban parks = 4°F  
decrease in urban  
surface  
temperature

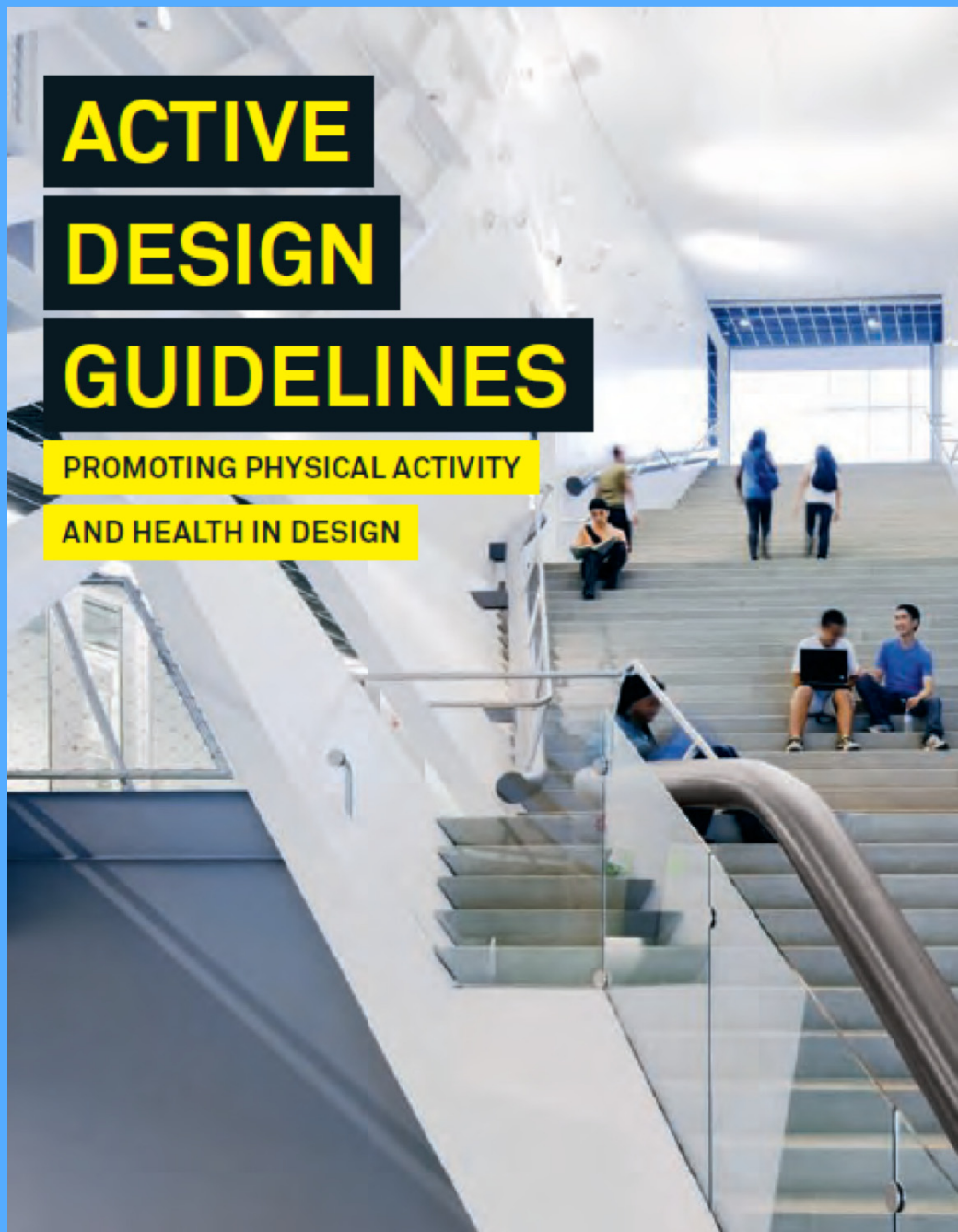


## Adapting Cities for Climate Change: The Role of the Green Infrastructure

S.E. GILL, J.F. HANDLEY, A.R. ENNOS and S. PAULEIT

# ACTIVE DESIGN GUIDELINES

PROMOTING PHYSICAL ACTIVITY  
AND HEALTH IN DESIGN





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See what's new at the Sunol AgPark in our [Fall Newsletter](#).



Students harvest organic strawberries at the AgPark

## Linking Our Food, Farms & Future

*SAGE (Sustainable Agriculture Education)*

SAGE is a pioneer in connecting rural and urban interests for their mutual benefit.

To preserve regional agriculture, while meeting the equally urgent need for equitable, sustainable urban development, SAGE has developed an holistic approach to establishing multifunctional agriculture at the metropolitan edge, and fostering linkages between rural farmers and urban city dwellers.

### Services & Projects

SAGE develops projects and participates in collaborations to support sustainable regional food and agriculture.

**Urban Edge Agriculture Parks** - part working agriculture and part parkland, our successful [Sunol Water Temple Agricultural Park](#) is a model of this approach

**New Ruralism Framework: Metro Region Ag Planning & Foodshed Assessments** - developing frameworks and projects for bridging smart growth and local food systems

**Public & Farmers' Markets** – bringing farmers and the community together

**Public Education** – engaging the public in sustainable agriculture

## NEWS

### Baia Nicchia's Produce Highlighted by Local Chefs

Baia Nicchia's delicious [squash](#) and [peppers](#), grown at the Sunol AgPark, have been featured recently in the Edible East Bay and San Francisco Chronicle.

[Read More](#)

### Foodsheds - A New Ruralism Bridging Smart Growth and Sustainable Agriculture

The urban-rural dichotomy doesn't work anymore. There's a connotation in the words 'urban' and 'rural' that suggests a neat line between the geographies of city and countryside.

[Read More](#)





# FARM BUREAU SAN DIEGO COUNTY

Weather



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## Certified Farmers' Markets

### Buy Local San Diego Produce

Visiting one of the Farmers' Markets in San Diego County allows you to experience agriculture. These Farmers' Markets are certified by the State, ensuring that the produce is being sold by the grower, is grown in California and meets all California quality standards. These criteria ensure that you receive the freshest produce for the right price.



For information about how to become Certified by the State to sell your produce at a Farmer's Market call the **County of San Diego Department of Agriculture Weights & Measures.**

San Marcos Office: 760-752-4700  
San Diego Office: 858-694-2778

### New Market Coming Soon

Thursday, **September 4th** will be the inaugural day for the Farm Bureau sponsored **Valley Center Farmers' Market**. The weekly market will start at 3:00 p.m. and run until sunset. The location is the parking lot between the Upper and Lower Elementary Schools on Cole Grade Road. If you want to be a part of this market, give Casey Anderson a call at 760-745-3023.





# The Need for Health Impact Assessment (HIA)

- Big decisions are made without examining potential health impacts (both positive and negative) over the life cycle



**PREPUBLICATION COPY**

## **Improving Health in the United States: The Role of Health Impact Assessment**

This prepublication version has been provided to the public to facilitate timely access to the committee's findings. Although the substance of the report is final, editorial changes will be made throughout the text, and citations will be checked prior to publication.

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*OF THE NATIONAL ACADEMIES*

**September 2011**

# APHA National Meeting 2002

## Abstracts with “land use” - 0

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1. **100%**[Session: Built Environment Institute III: Building partnerships in land use and community design decision-making](#)  
... , PA APHA 2005 5097.0: Wednesday, December 14, 2005: 12:30 PM-2:00 PM Oral Built Environment Institute III: Building partnerships in **land use** and community design decision-making  
Decisions about the built urban environment are often made without regard for their potential impact on a community ...
2. **75%**[Using Community-Identified Health and Environmental Indicators for Land Use Advocacy](#)  
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Indicators for **Land Use** Advocacy Margaret Gordon, West Oakland Environmental Indicators Project/Pacific ...
3. **70%**[Transportation, land use, and public health: Opportunities for designing and building healthy places](#)  
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designing and building healthy places Howard Frumkin, MD, DrPH, Director, NCEH/ATSDR, Centers for Disease Control ...
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exposures and inequalities Jason Corburn, PhD 1, Jeff Osleeb, PhD 2, and Michael Porter 2. (1) Urban Planning Program ...
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Sylvia Ledesma, Kalpulli Izkalli, 1028 Apt. C Anne Avenue, SW, Albuquerque, NM 87105, 505.804.4602, izkalli@comcast ...
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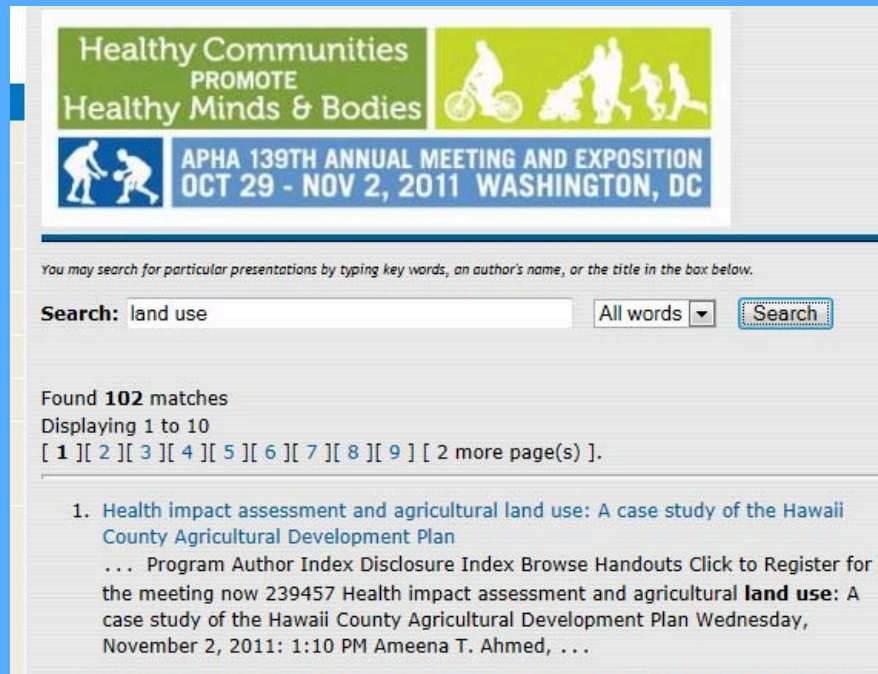
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... Department of Public Health, Boston, MA Donna Warner, MA/MBA , Tobacco Control Program, Massachusetts Department of Public Health, Boston, MA Thomas **Land**, PhD , Tobacco Control Program, Massachusetts Department of Public Health, Boston, MA Ayesha Cammaerts, MBA , Office of Medicaid, Chief of Staff, ...
10. **32%** [136th APHA Annual Meeting & Exposition \(October 25-29, 2008\): Geographical patterns of malaria - can climate alter malaria patterns in the Amazon?](#)  
... Center, Falmouth, MA The World Health Organization, estimates that 42% of malaria cases are "associated with policies and practices regarding **land use**, deforestation, water resource management, settlement siting and modified house design". This estimate was drawn from expert opinion and studies performed ...

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# 2011 APHA Annual Meeting

“land use” 102 matches



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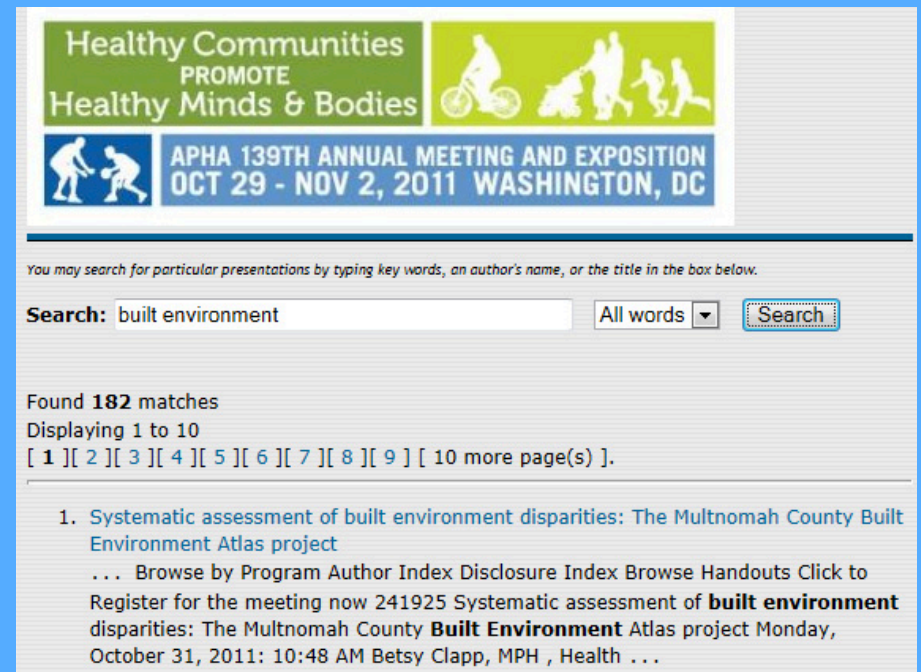
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... Program Author Index Disclosure Index Browse Handouts Click to Register for the meeting now 239457 Health impact assessment and agricultural **land use**: A case study of the Hawaii County Agricultural Development Plan Wednesday, November 2, 2011: 1:10 PM Ameena T. Ahmed, ...

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POLICY STATEMENT

## The Built Environment: Designing Communities to Promote Physical Activity in Children

Committee on Environmental Health

Organizational Principles to Guide and Define the Child Health Care System and/or Improve the Health of All Children

### ABSTRACT

An estimated 32% of American children are overweight, and physical inactivity contributes to this high prevalence of overweight. This policy statement highlights how the built environment of a community affects children's opportunities for physical activity. Neighborhoods and communities can provide opportunities for recreational physical activity with parks and open spaces, and policies must support this capacity. Children can engage in physical activity as a part of their daily lives, such as on their travel to school. Factors such as school location have played a significant role in the decreased rates of walking to school, and changes in policy may help to increase the number of children who are able to walk to school. Environment modification that addresses risks associated with automobile traffic is likely to be conducive to more walking and biking among children. Actions that reduce parental perception and fear of crime may promote outdoor physical activity. Policies that promote more active lifestyles among children and adolescents will enable them to achieve the recommended 60 minutes of daily physical activity. By working with community partners, pediatricians can participate in establishing communities designed for activity and health. *Pediatrics* 2009;123:1591–1598

[www.pediatrics.org/cgi/doi/10.1542/peds.2008-0750](http://www.pediatrics.org/cgi/doi/10.1542/peds.2008-0750)

doi:10.1542/peds.2008-0750

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### Key Words



## Dr. Richard Jackson, UCLA School of Public Health

◀ January 31, 2012 ▶



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# MAKING HEALTHY PLACES

Designing and Building for Health, Well-being, and Sustainability



Andrew L. Dannenberg, Howard Frumkin, and Richard J. Jackson

## Urban Planning / Health

**Expected Shipping Date:**  
June 15, 2011

**Editors' Residences:**  
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8.5 X 10. 302 pages.  
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**Andrew L. Dannenberg, M.D., M.P.H.**, serves as a consultant to and formerly was Team Leader of the Healthy Community Design Initiative in the National Center for Environmental Health at the CDC. He is an affiliate professor at the **University of Washington, Seattle**. **Howard Frumkin, M.D., Dr.P.H.**, is Dean of the School of Public Health at the **University of Washington**. **Richard J. Jackson, M.D., M.P.H.**, is Professor and Chair of the Department of Environmental Health Sciences at **UCLA**. Frumkin and Jackson are coauthors of *Urban Sprawl and Public Health*.

The environment that we construct affects both humans and our natural world in myriad ways. There is a pressing need to create healthy places and to reduce the health threats inherent in places already built. However, there has been little awareness of the adverse effects of what we have constructed—or the positive benefits of well-designed built environments.

This book provides a far-reaching follow-up to the pathbreaking *Urban Sprawl and Public Health*, published in 2004. That book sparked a range of inquiries into the connections between constructed environments, particularly cities and suburbs, and the health of residents, especially humans. Since then, numerous studies have extended and refined the book's research and reporting. *Making Healthy Places* offers a fresh and comprehensive look at this vital subject today.

There is no other book with the depth, breadth, vision, and accessibility that this book offers. In addition to being of particular interest to undergraduate and graduate students in public health and urban planning, it will be essential reading for public health officials, planners, architects, landscape architects, environmentalists, and all those who care about the design of their communities.

Like a well-trained doctor, *Making Healthy Places* presents a diagnosis of—and offers treatment for—problems related to the built environment. Drawing on the latest scientific evidence, with contributions from experts in a range of fields, it imparts a wealth of practical information, with an emphasis on demonstrated and promising solutions to commonly occurring problems.