

SOC 3510; WEEK 13, 11/15/16

LIFE COURSE II AND HEALTH BEHAVIORS



WEATHERING (GERONIMUS ET AL. 2006)

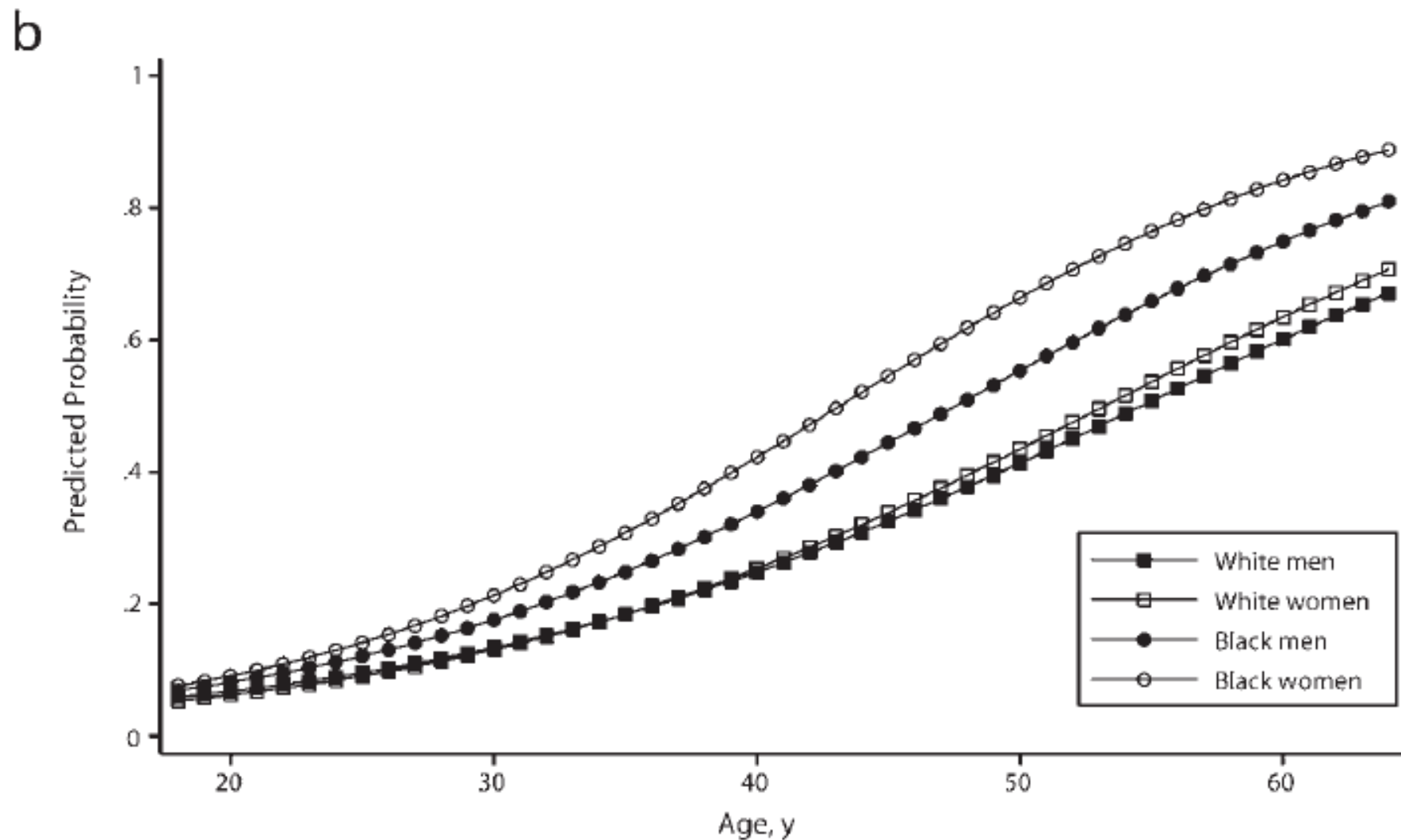
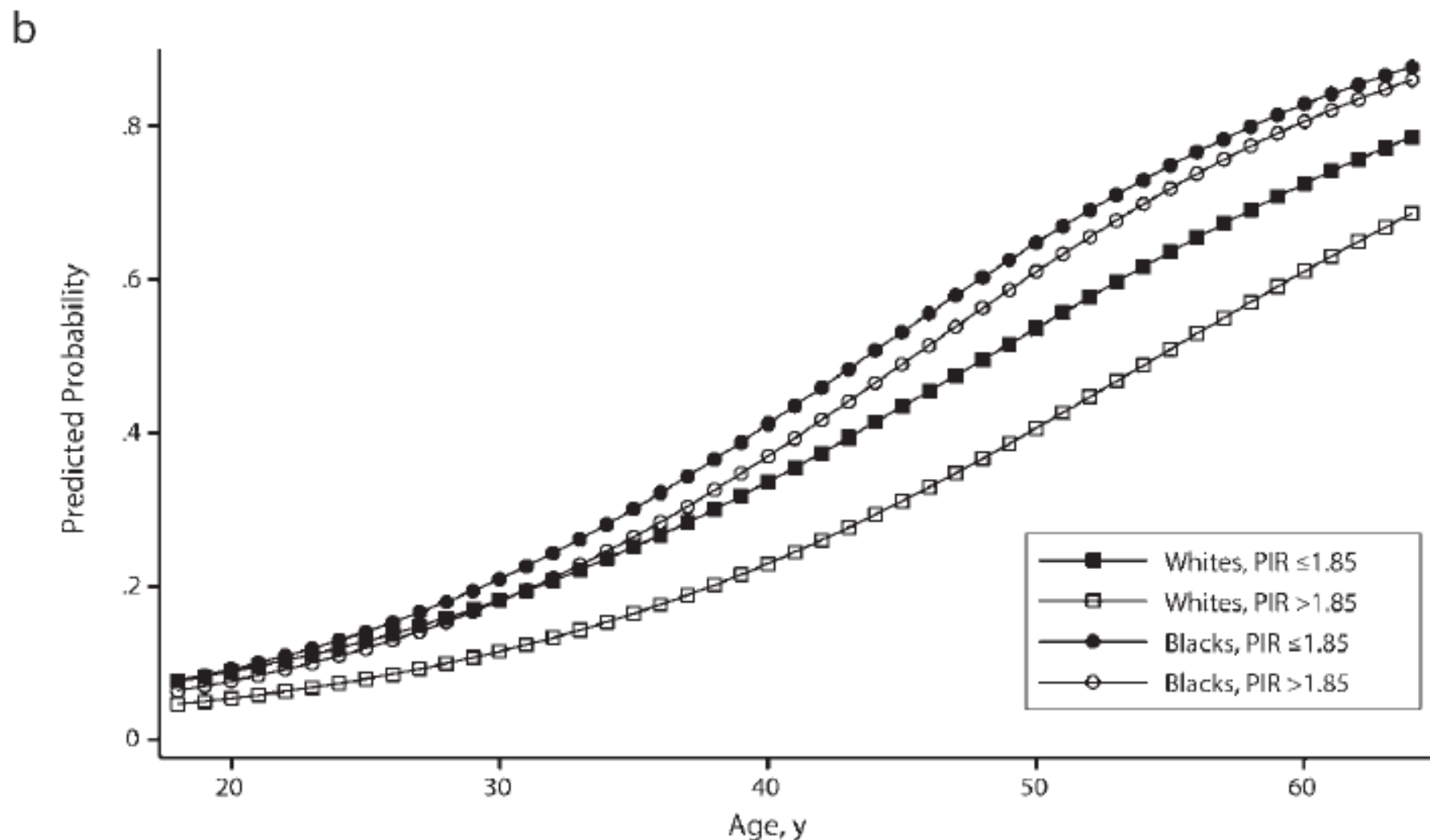


FIGURE 1—Probability of having an allostatic load of 4 or higher, as predicted by race (a) and race and gender (b).

WEATHERING (GERONIMUS ET AL. 2006)



Note. PIR = poverty income ratio.

FIGURE 2—Probability of having an allostatic load of 4 or higher, as predicted by poverty income ratio (a) and poverty income ratio and race (b).

MATERNAL
HEALTH AND
CHILDHOOD



THE LONG ARM OF CHILDHOOD

“New perspectives about pediatric origins of adult disease, social determinants of health, and the long-term effects of early exposures and interactions suggest that the poor health of children (reflected in rates of prematurity, obesity, behavioral and developmental problems, etc.) can be a harbinger of poor adult health.”

—STOLL ET AL. 2013

MATERNAL AND CHILD STRESS

- Maternal stress affects the epigenetic profile of babies (Mulligan et al. 2012)
 - Ex: Affects methylation of infants' genes that regulate metabolic functioning
 - Leads to low birth weight and impaired development
- This and other early social-environmental experiences can lead to chronic elevation of the stress response in the child (McEwen 2012)
 - Cumulative wear and tear on the neuroendocrine, autonomic, metabolic, and immune systems

MATERNAL HEALTH: PROFILES OF RISK

(HARDIE AND LANDALE 2013)

1. Low Risk Moms = neither SES or health disadvantaged
2. Unhealthy Moms = high probability of having health problems; not SES disadvantaged
3. Low SES Moms = SES disadvantaged; low probability of reporting health problems
4. Low Coverage/Care Moms = SES disadvantaged and lack of health care; few health problems
5. Smoker Moms = SES disadvantaged; high probability of smoking; limited access to health care; moderate probability of having depression or physical limitations
6. High Risk Moms = SES and health disadvantaged; non-smokers

FIGURE S1. PREDICTED PROBABILITY OF CHILD HAVING FAIR OR POOR HEALTH BY LATENT CLASS.

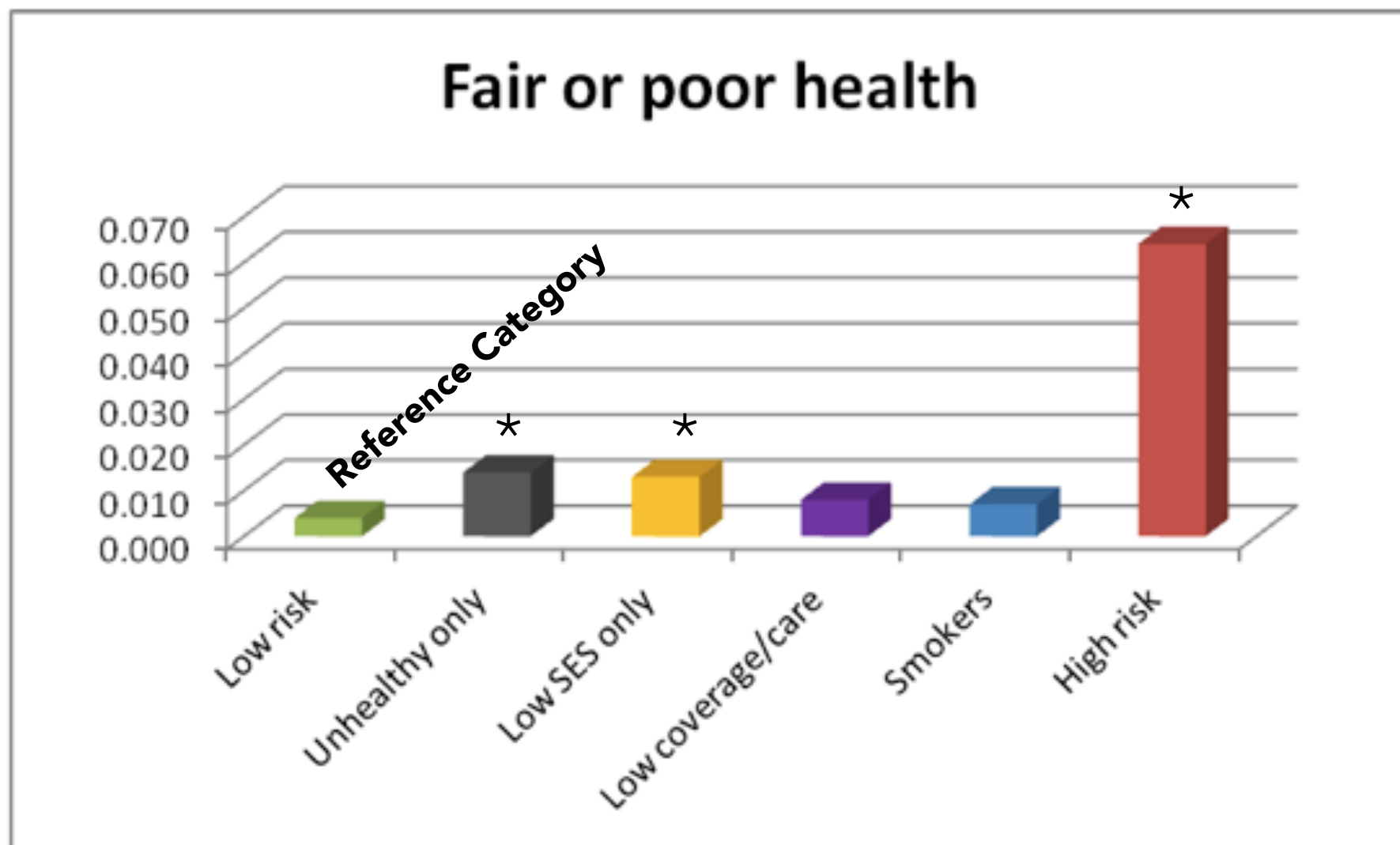


FIGURE S4. PREDICTED PROBABILITY OF CHILD HAVING AN ACTIVITY LIMITATION BY LATENT CLASS.

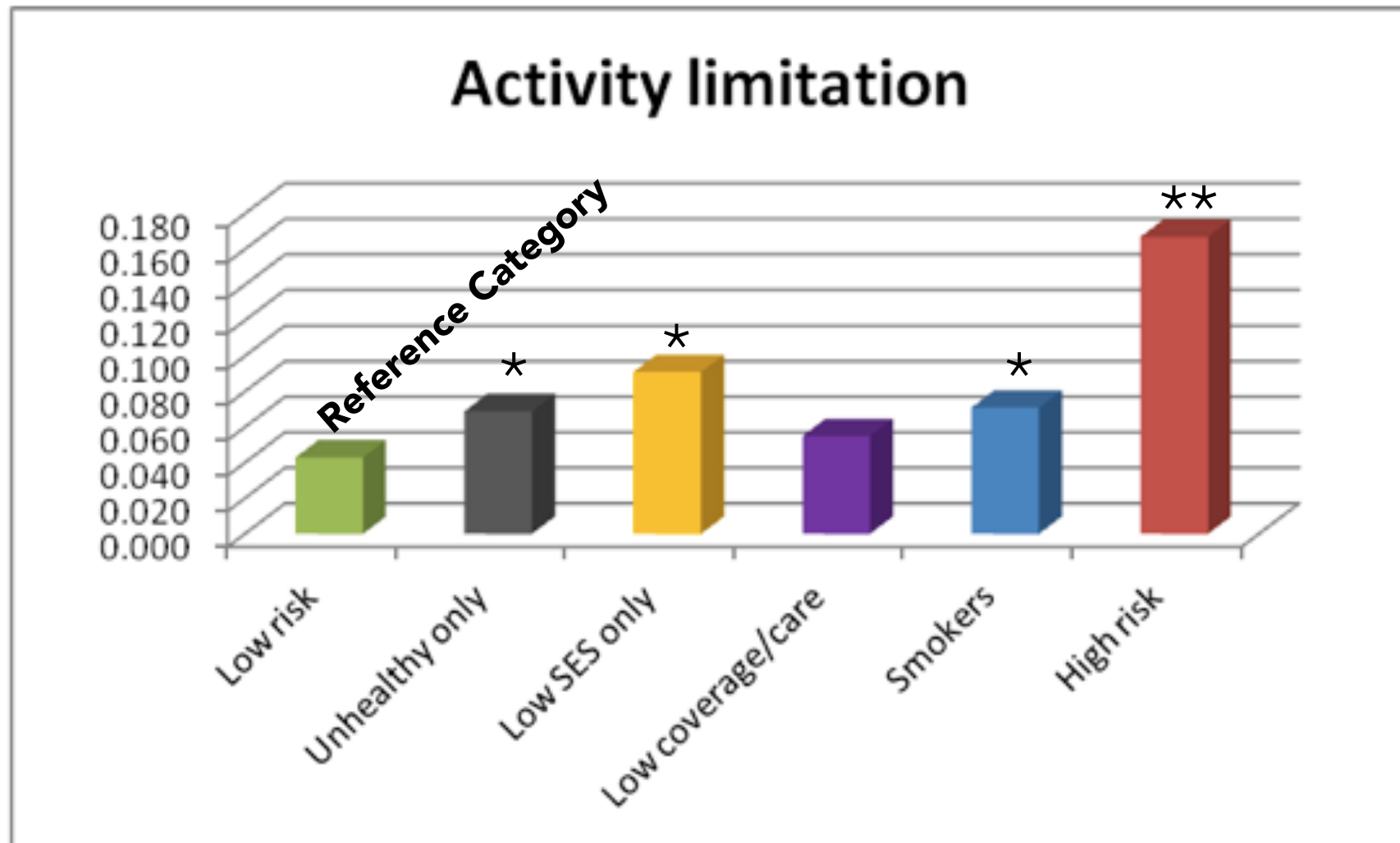
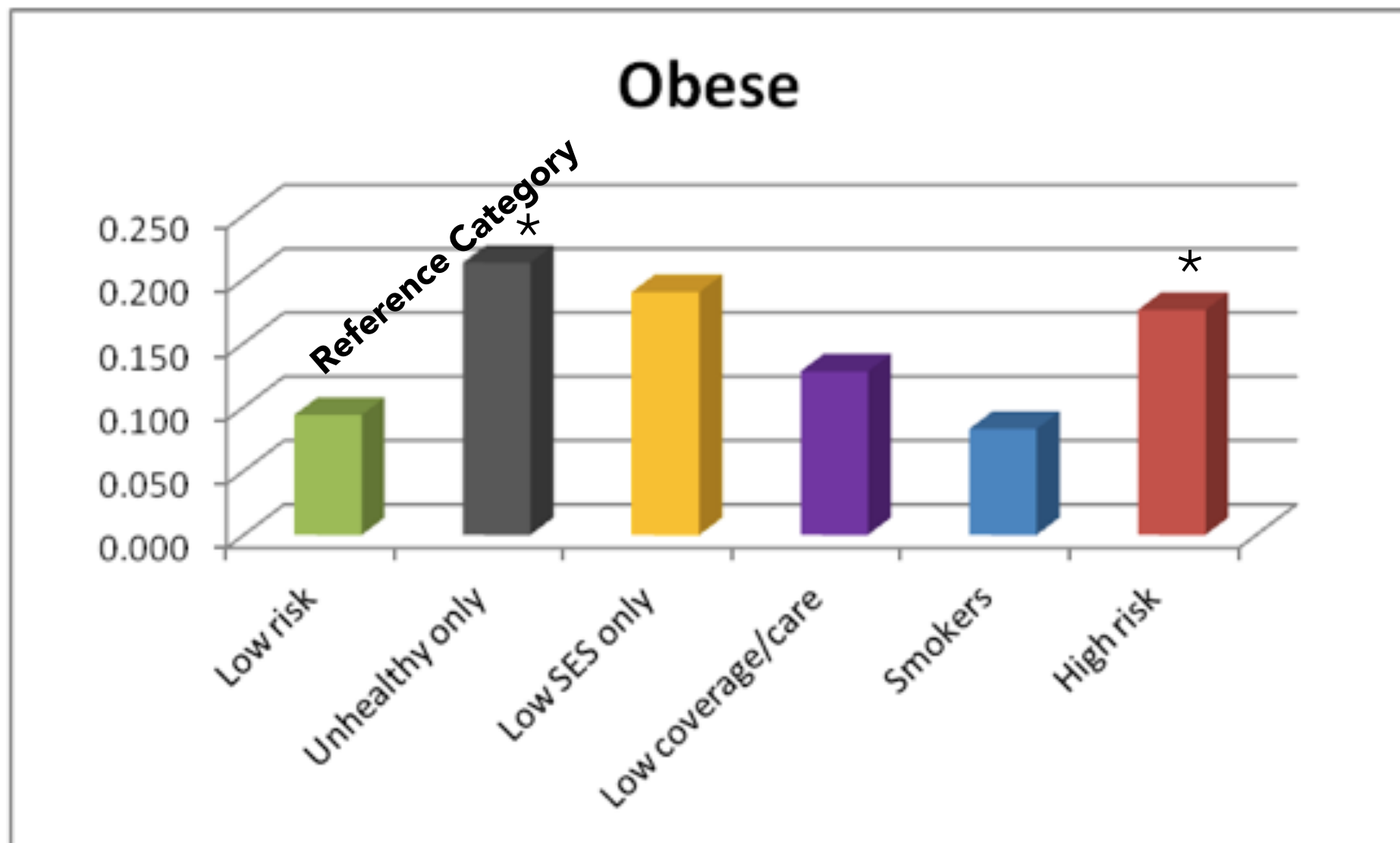


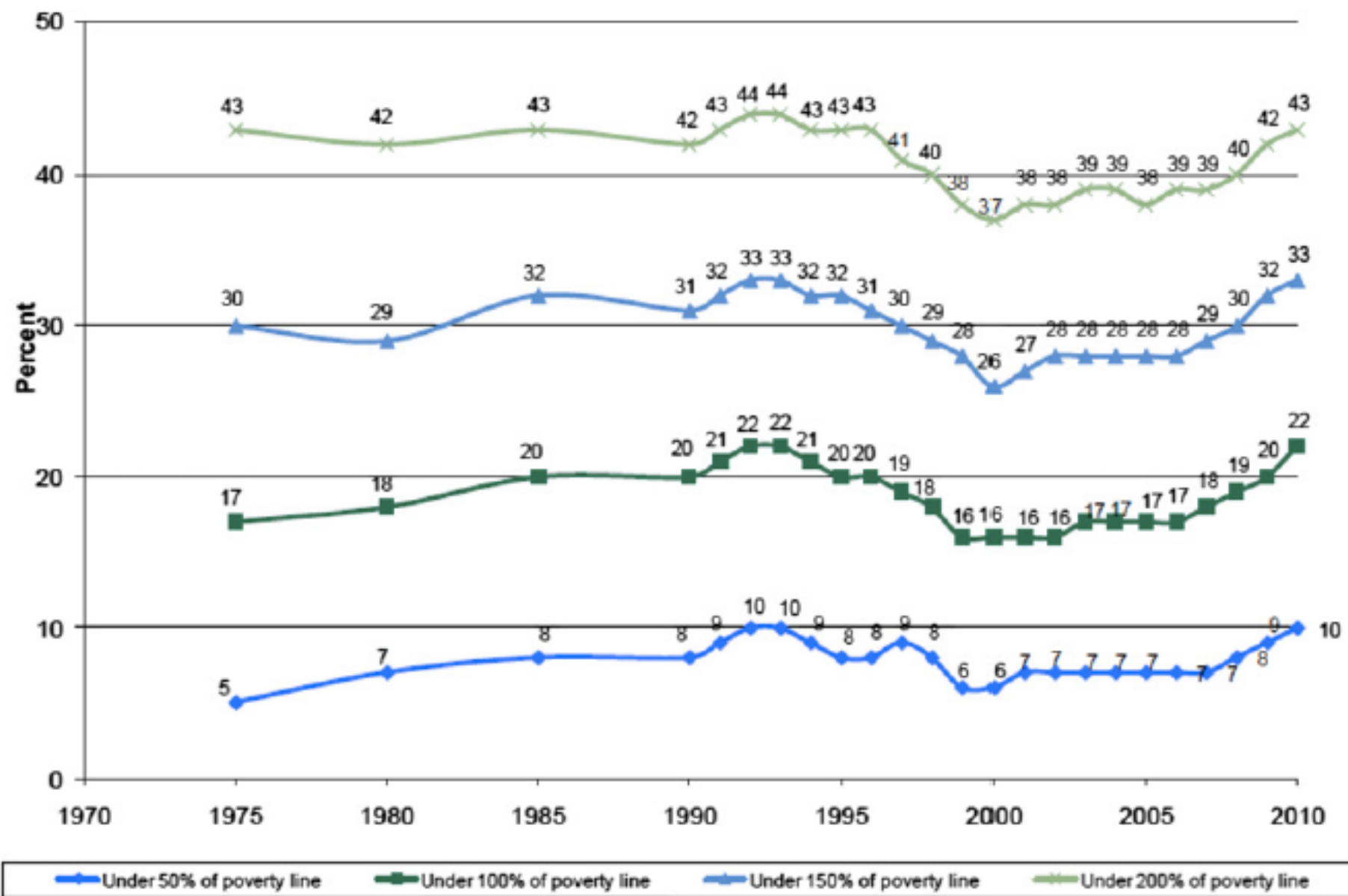
FIGURE S3. PREDICTED PROBABILITY OF CHILD BEING OBESE BY LATENT CLASS.



“There is overwhelming evidence that early childhood adversity - related to parental psychiatric disorder, poverty, abuse, loss, neglect, or trauma - has protean effects on children’s physical and mental health and ultimately on their ability to become competent and productive adults....Early child adversity...has been linked to myriad chronic conditions associated with premature mortality: smoking, substance abuse, obesity, cardiovascular disease, depression, and attempted suicide”

–BRENT AND SILVERSTEIN, *JAMA* 2013

CHILDHOOD POVERTY



Percentage of children living below selected poverty thresholds, selected years, 1975–2010.³

CHILDHOOD POVERTY

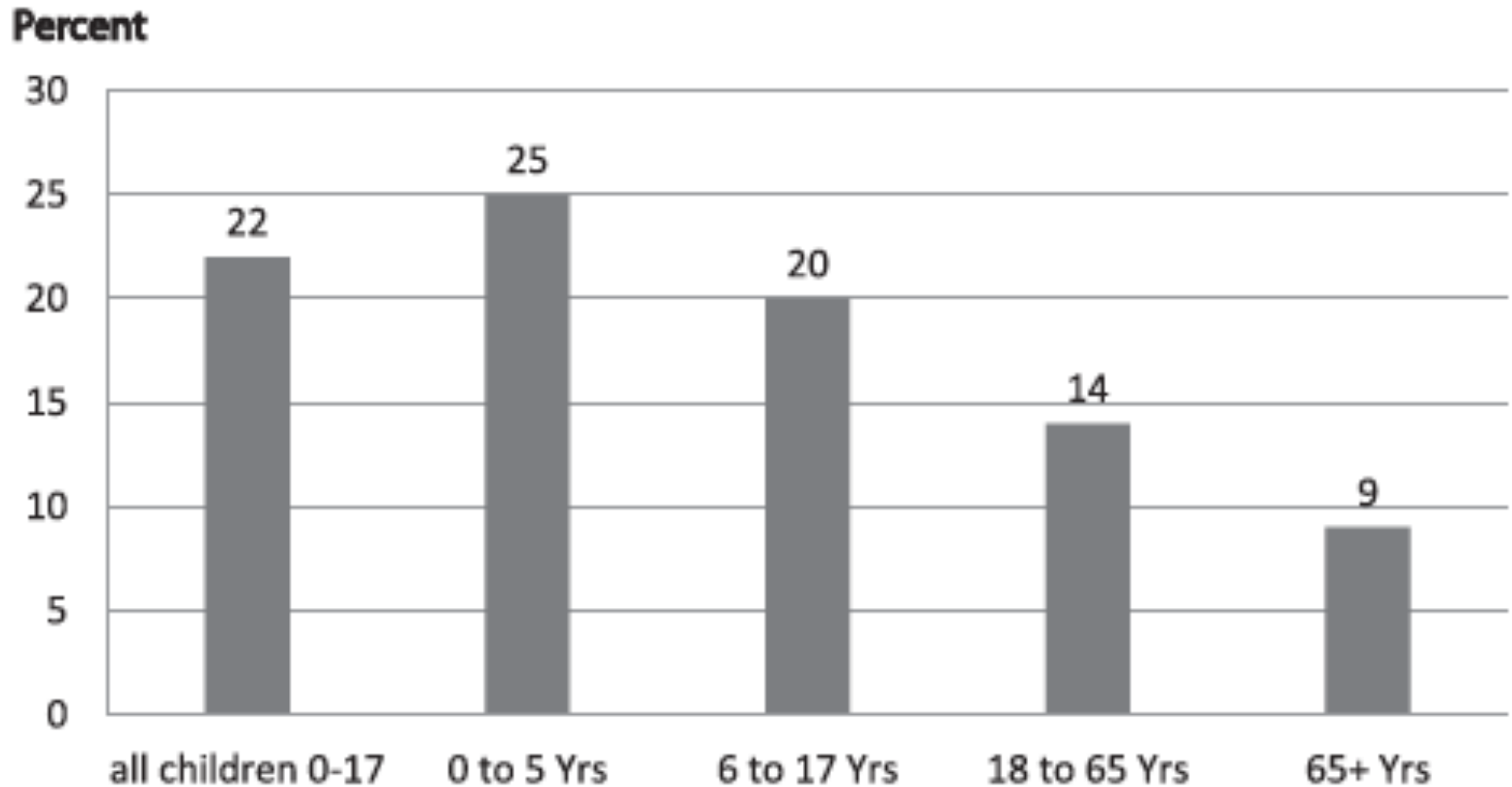


Figure 2. *Percent living below the federal poverty level by age, 2010.*⁴

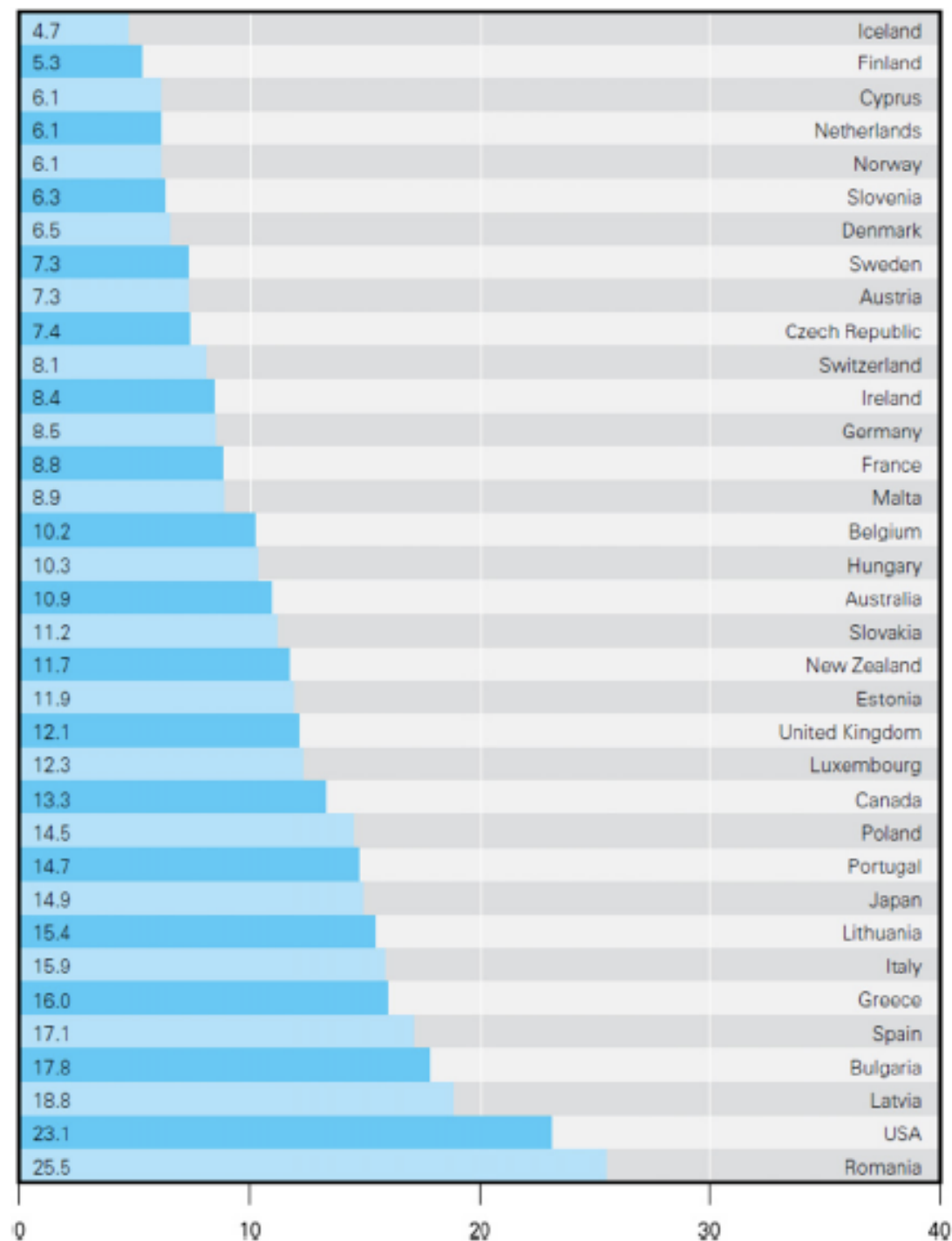
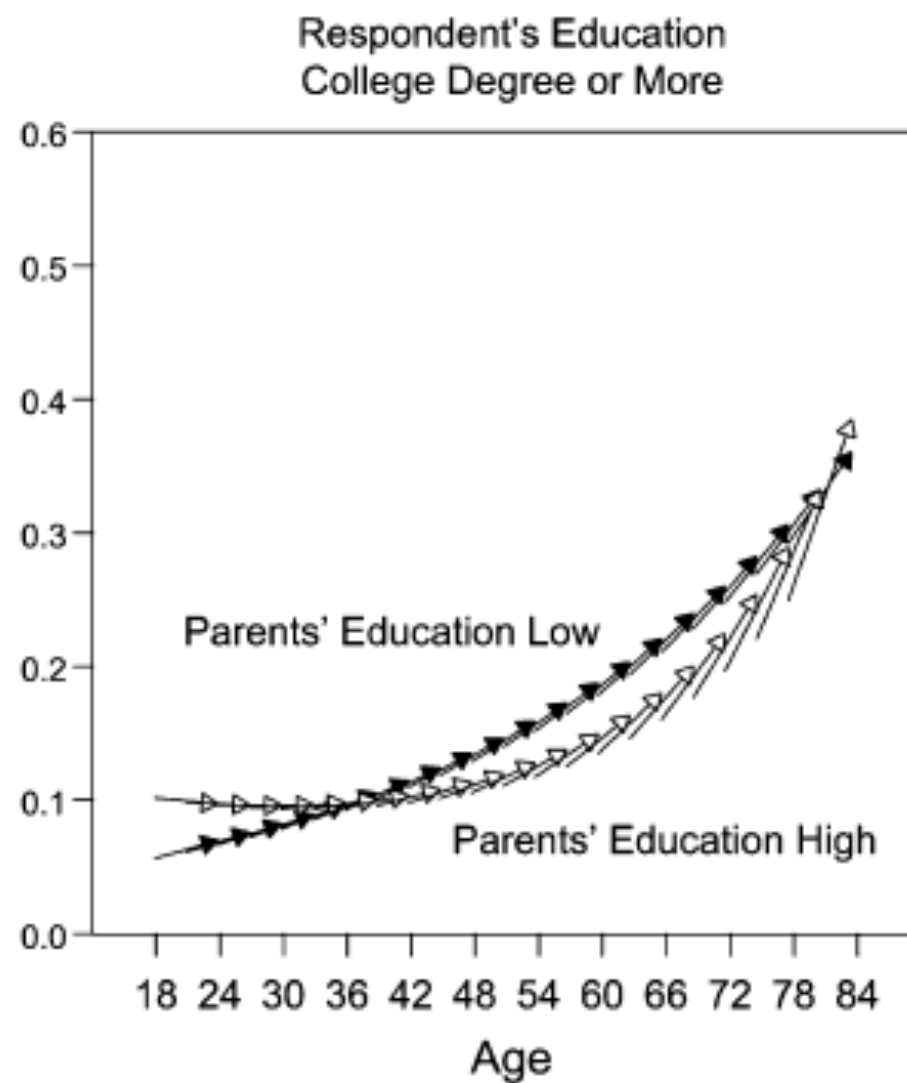
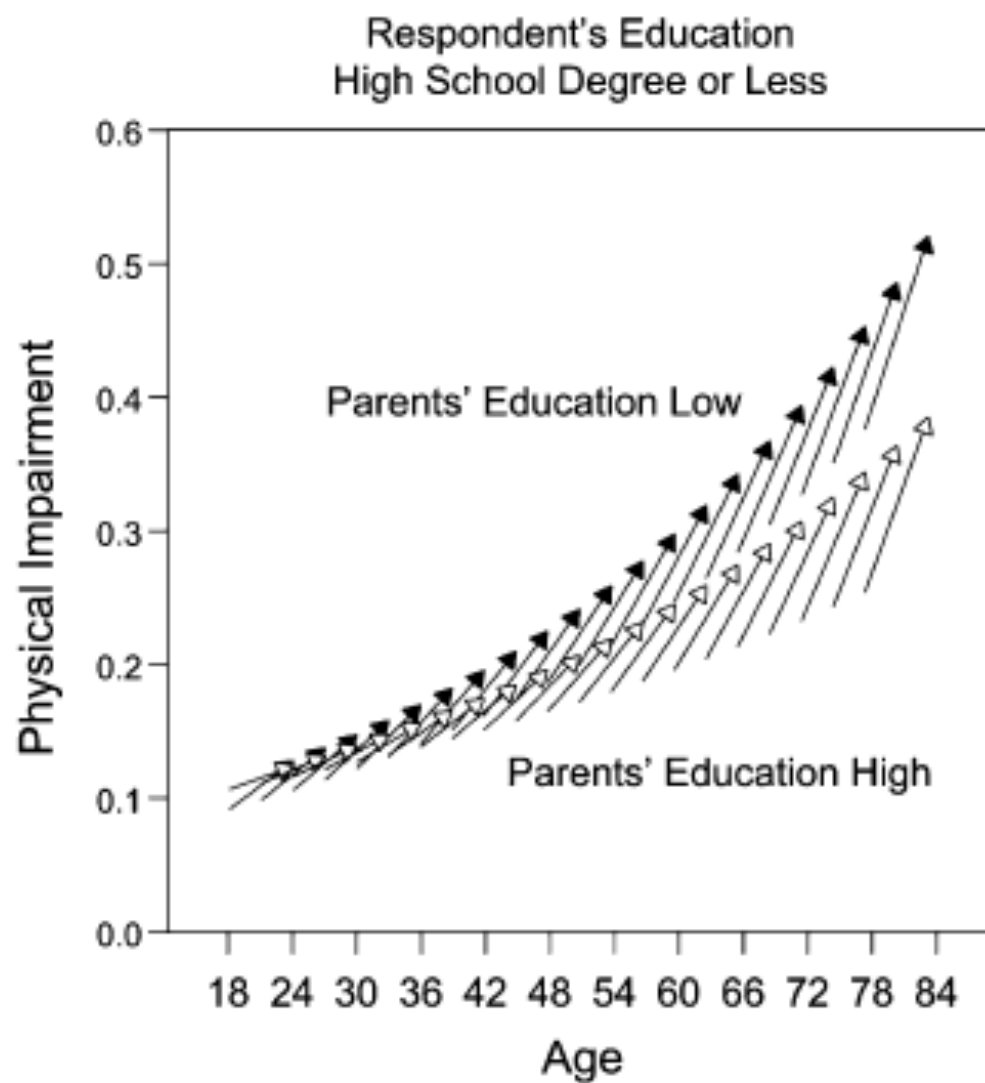


Figure 4. *The United Nations Children's Fund Report Card 10. Relative childhood poverty: percentage of children (0–17 years) in households with equivalent income less than 50% of the national median, in 35 economically advanced countries.⁹*



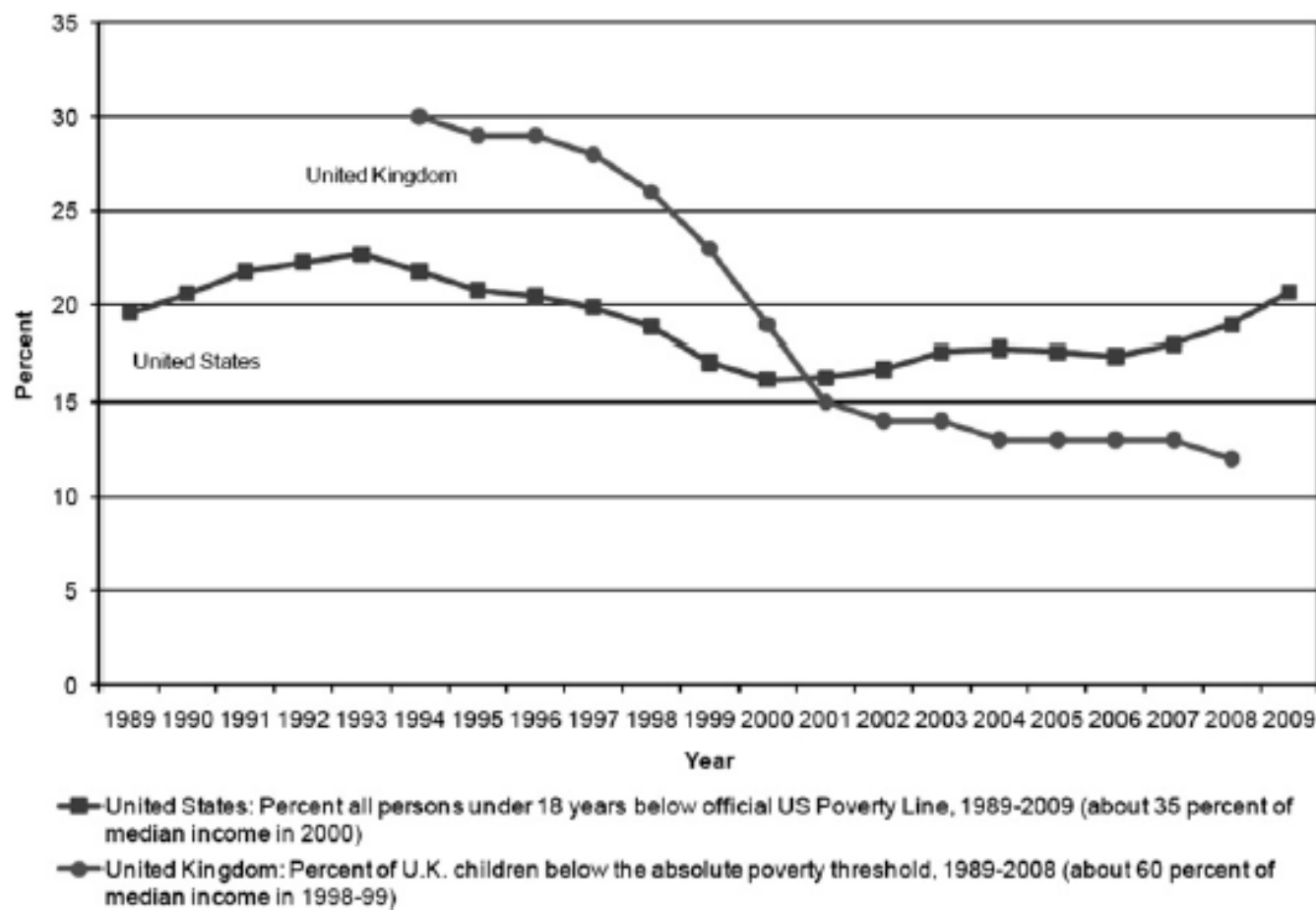


Figure 5. Absolute childhood poverty in the United States and the United Kingdom, 1989–2009.¹⁶ Reprinted from *Fast Focus*, research brief of the Institute for Research on Poverty, 8 (2010) © 2010 by the Regents of the University of Wisconsin. Used with permission.

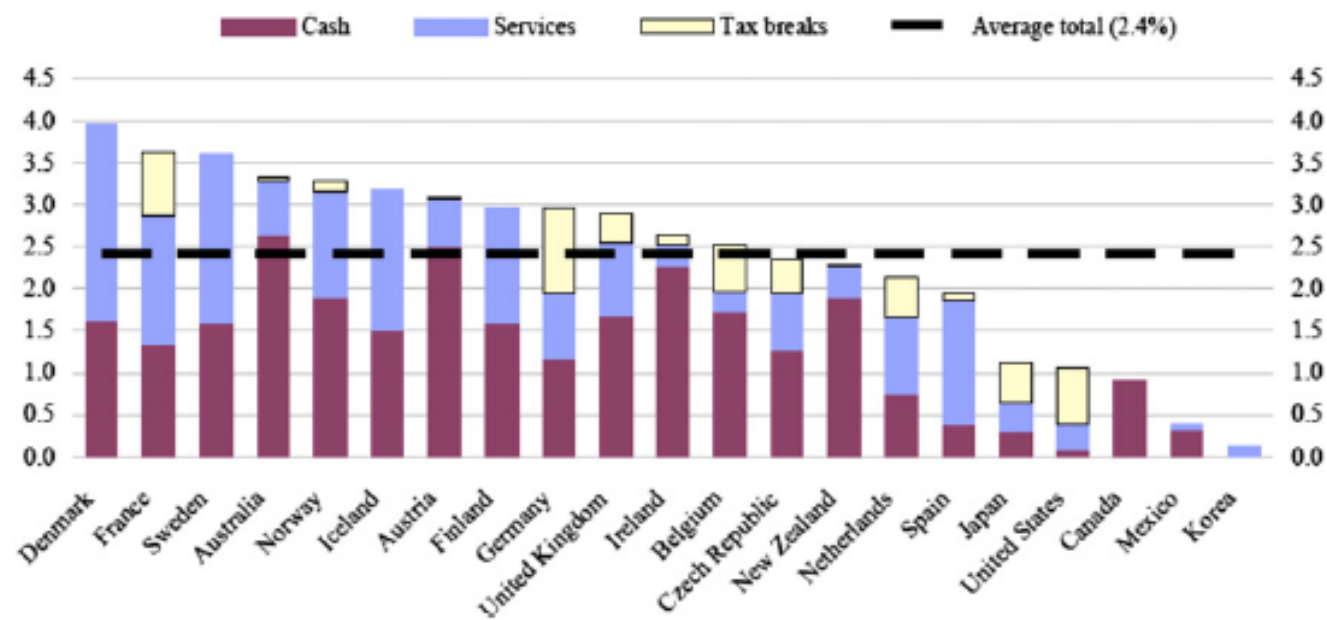


Figure 6. Public spending among selected developed nations on family benefits in cash, services, and tax breaks as percentage of each nation's GDP, 2003.²⁶

Figure 1
Major Findings: High/Scope Perry Preschool Study at 40

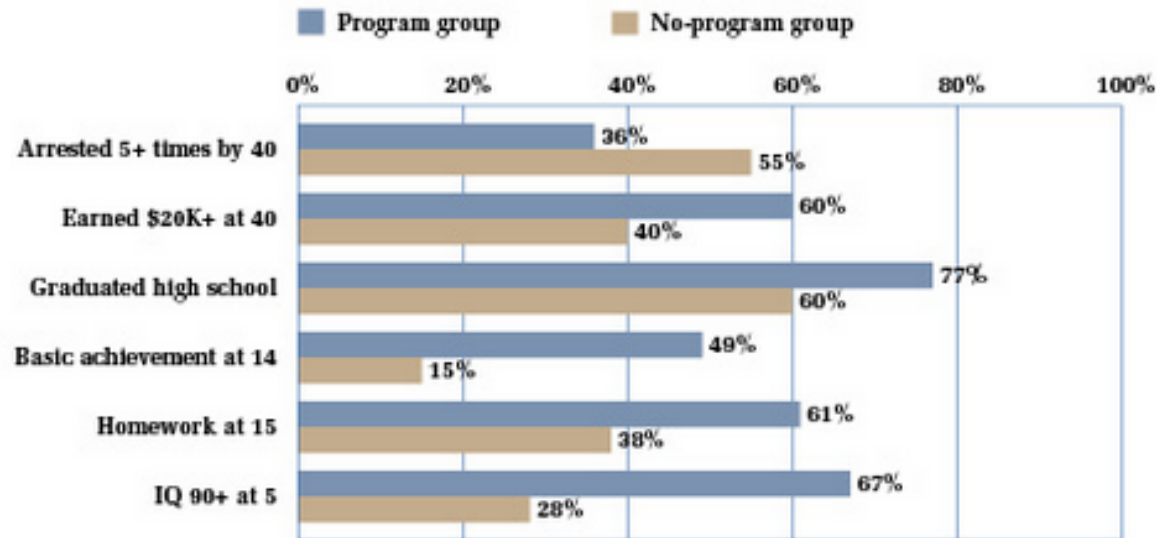
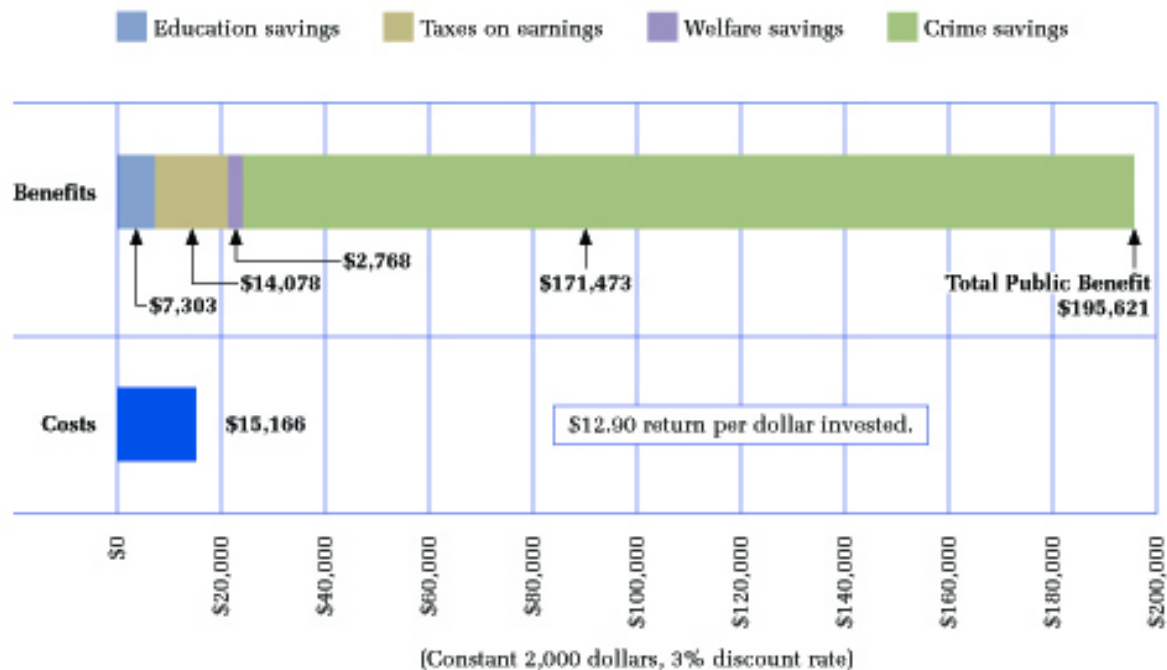


Figure 2
High/Scope Perry Preschool Program Public Costs and Benefits



HighScope Preschool Study

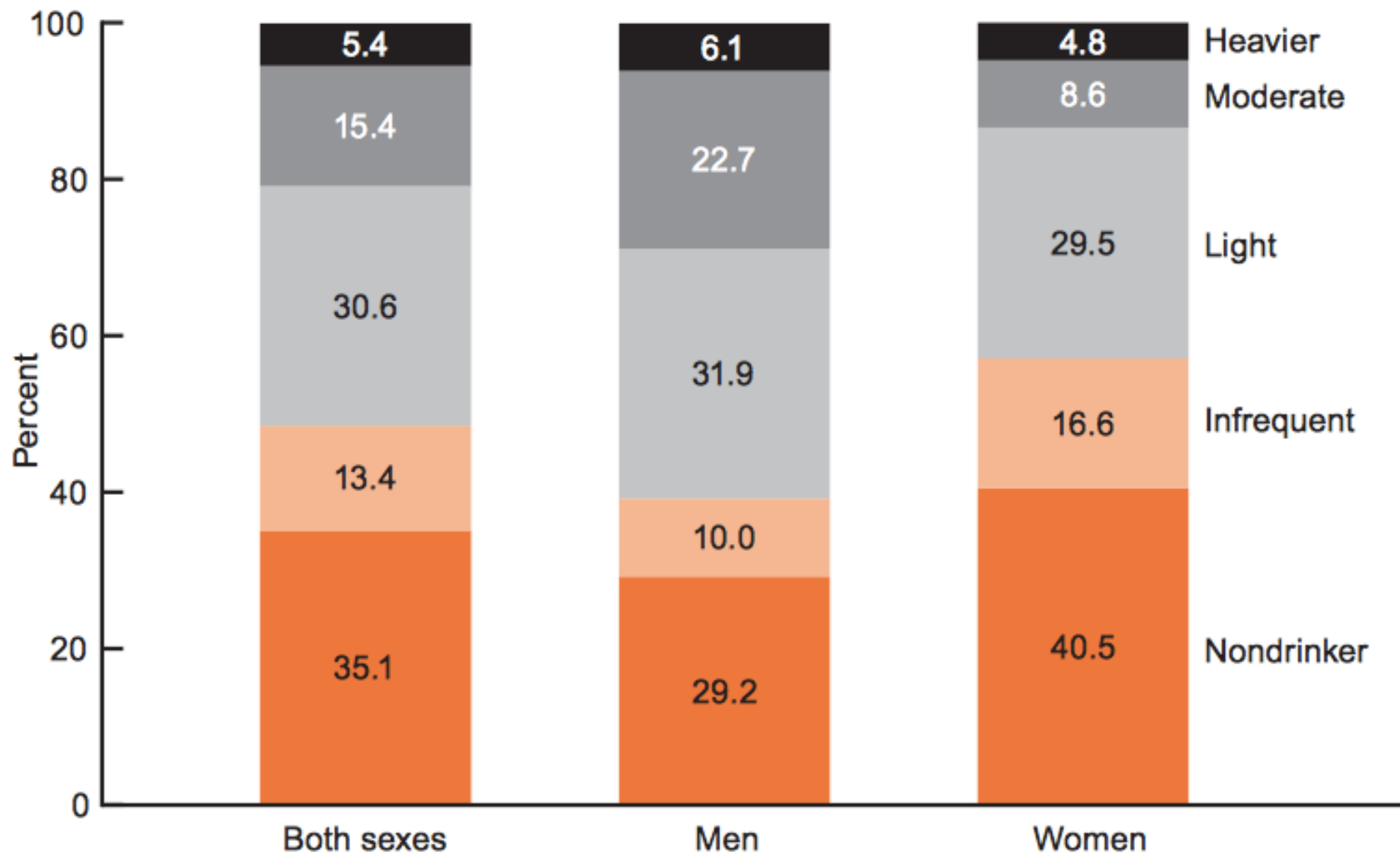
HEALTH BEHAVIORS



HEALTH BEHAVIORS

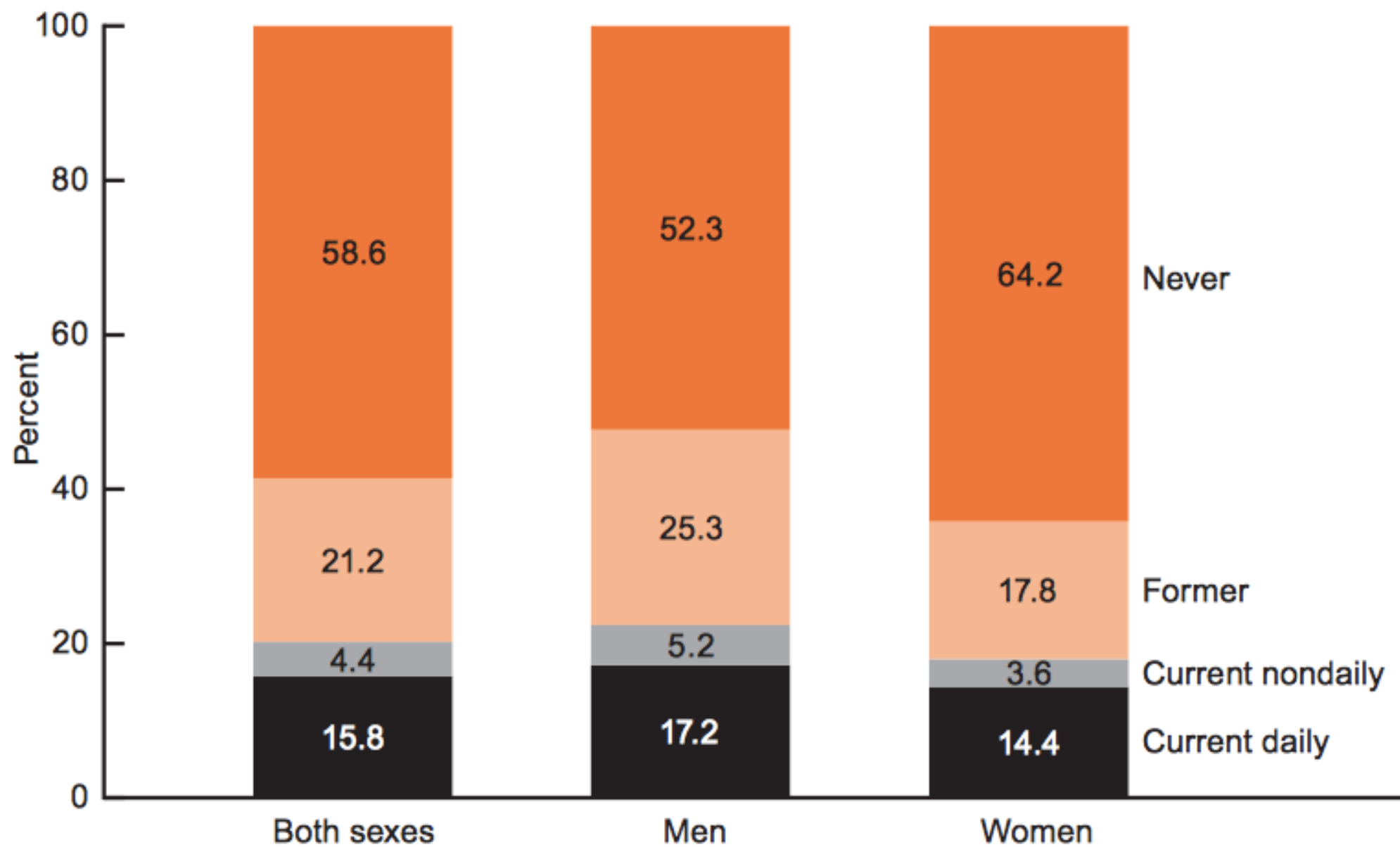
(ALONZO 1993)

1. Prevention - prescription and proscription
2. Detection
3. Promotion
4. Protection



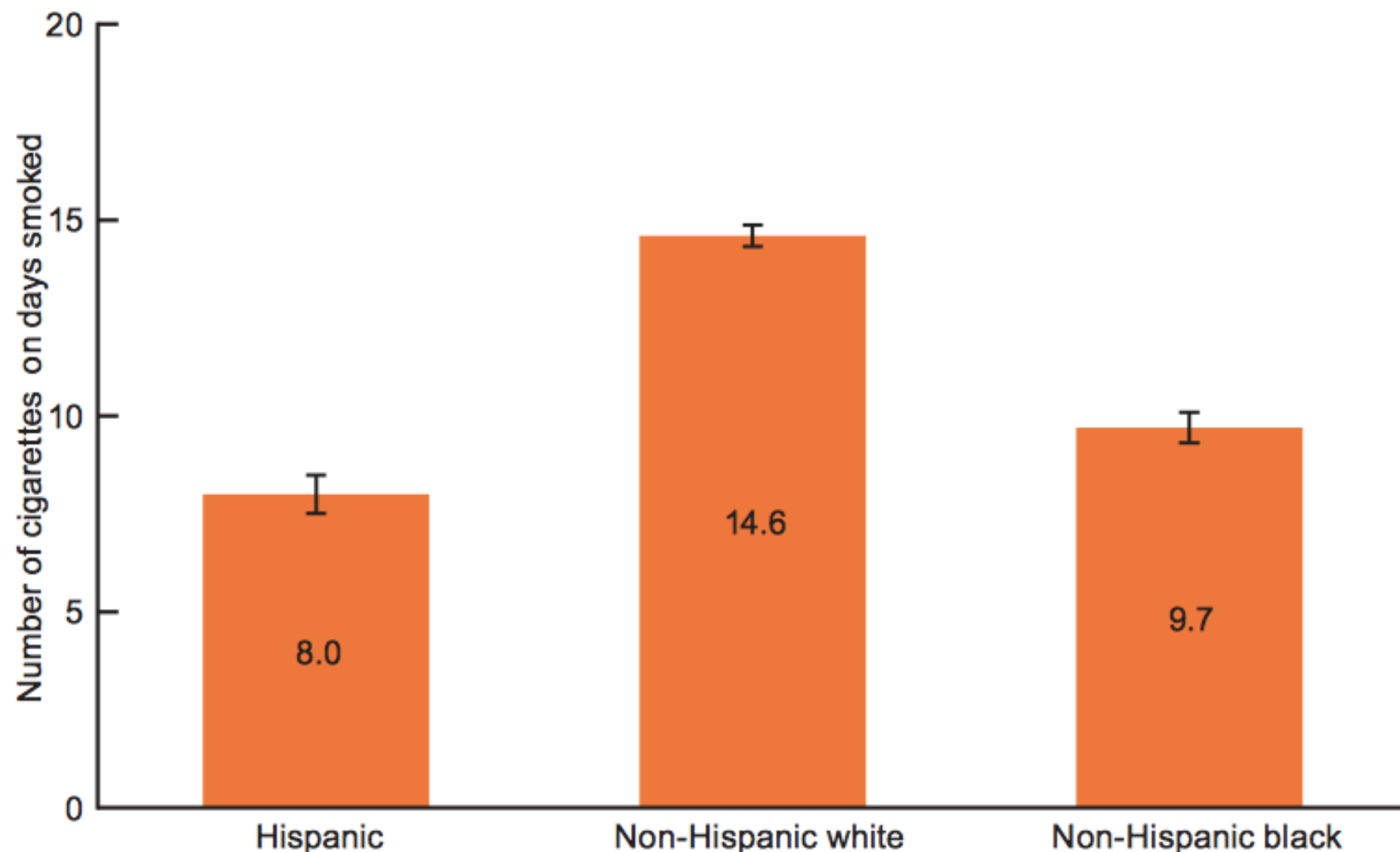
NOTES: Estimates are age adjusted using the projected 2000 U.S. population as the standard population. Estimates are based on household interviews of a sample of the civilian noninstitutionalized population. Totals may not add to 100% due to rounding.
SOURCE: CDC/NCHS, National Health Interview Survey, 2008–2010.

Figure 3.1. Percent distribution of current alcohol drinking status for adults, by sex: United States, annualized, 2008–2010



NOTES: Estimates are age adjusted using the projected 2000 U.S. population as the standard population. Estimates are based on household interviews of a sample of the civilian noninstitutionalized population. Totals may not add to 100% due to rounding. SOURCE: CDC/NCHS, National Health Interview Survey, 2008–2010.

Figure 4.1. Percent distribution of current cigarette smoking status of adults, by sex: United States, annualized, 2008–2010



I 95% confidence interval.

NOTES: Estimates are age adjusted using the projected 2000 U.S. population as the standard population. Estimates are based on household interviews of a sample of the civilian noninstitutionalized population. Current smokers include daily and nondaily smokers.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008–2010.

Figure 4.6. Mean number of cigarettes on days smoked by adult current smokers, by Hispanic origin and race: United States, annualized, 2008–2010

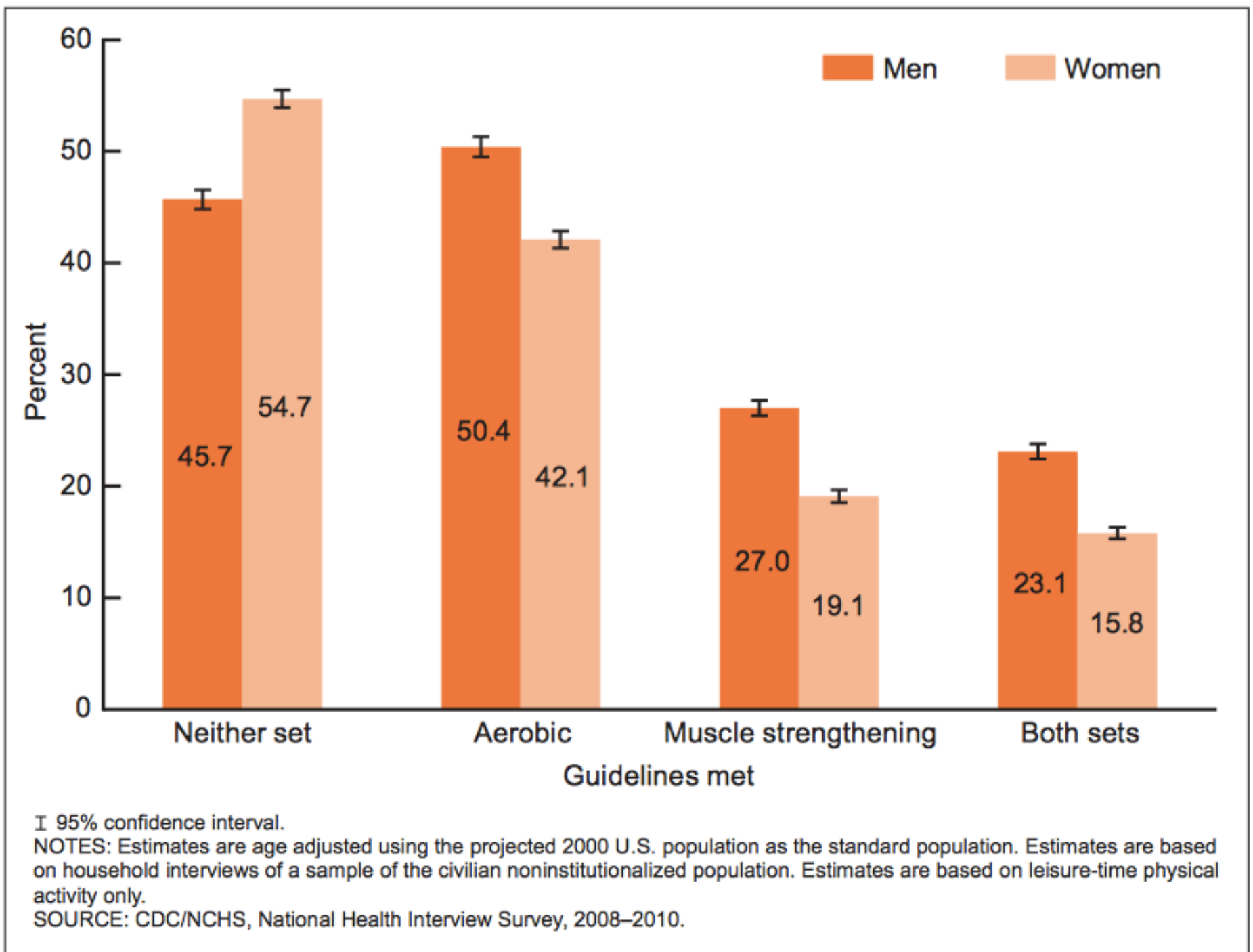
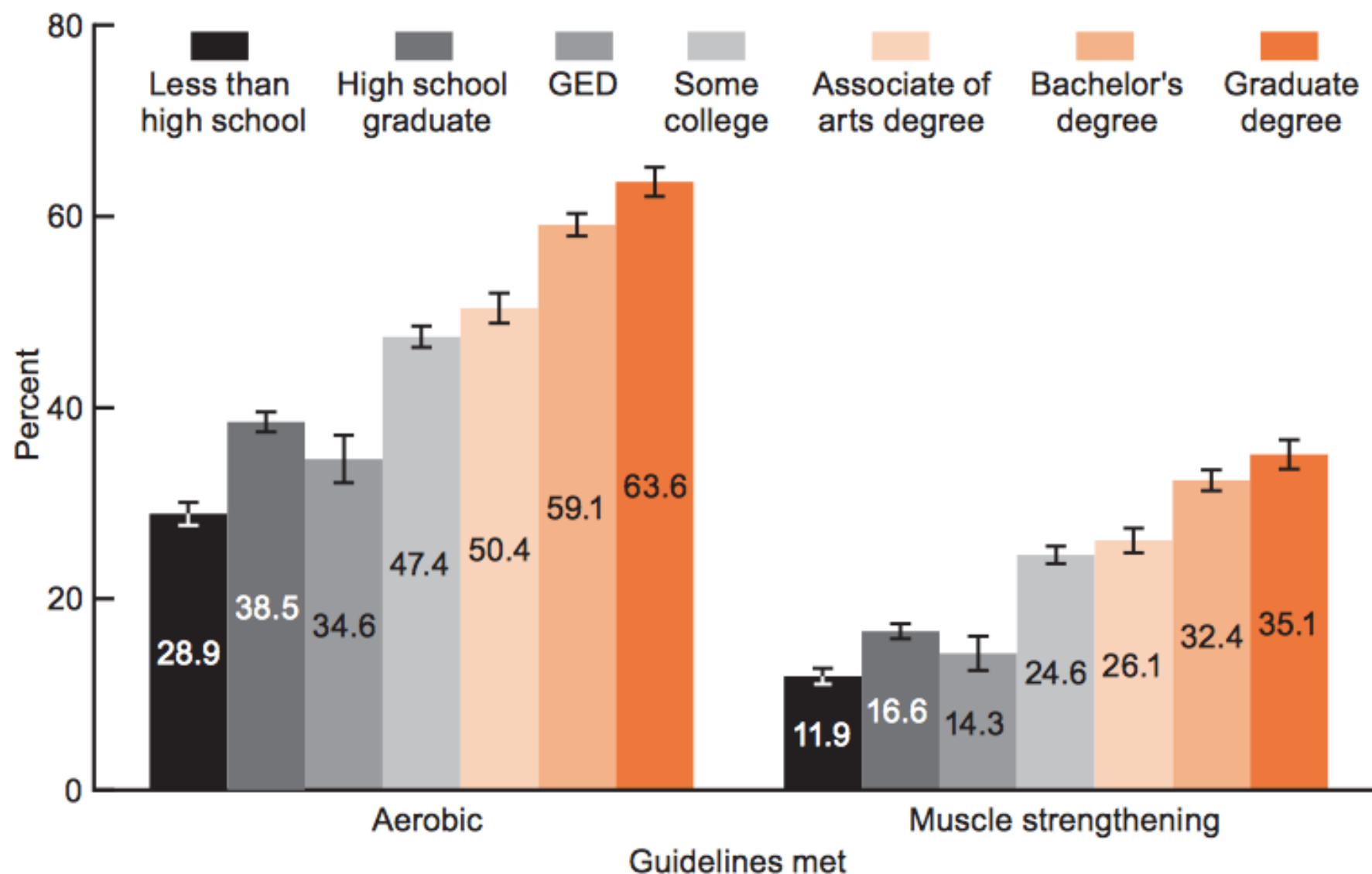


Figure 5.1. Percentage of adults who met or did not meet the 2008 federal guidelines for physical activity, by sex: United States, annualized, 2008–2010

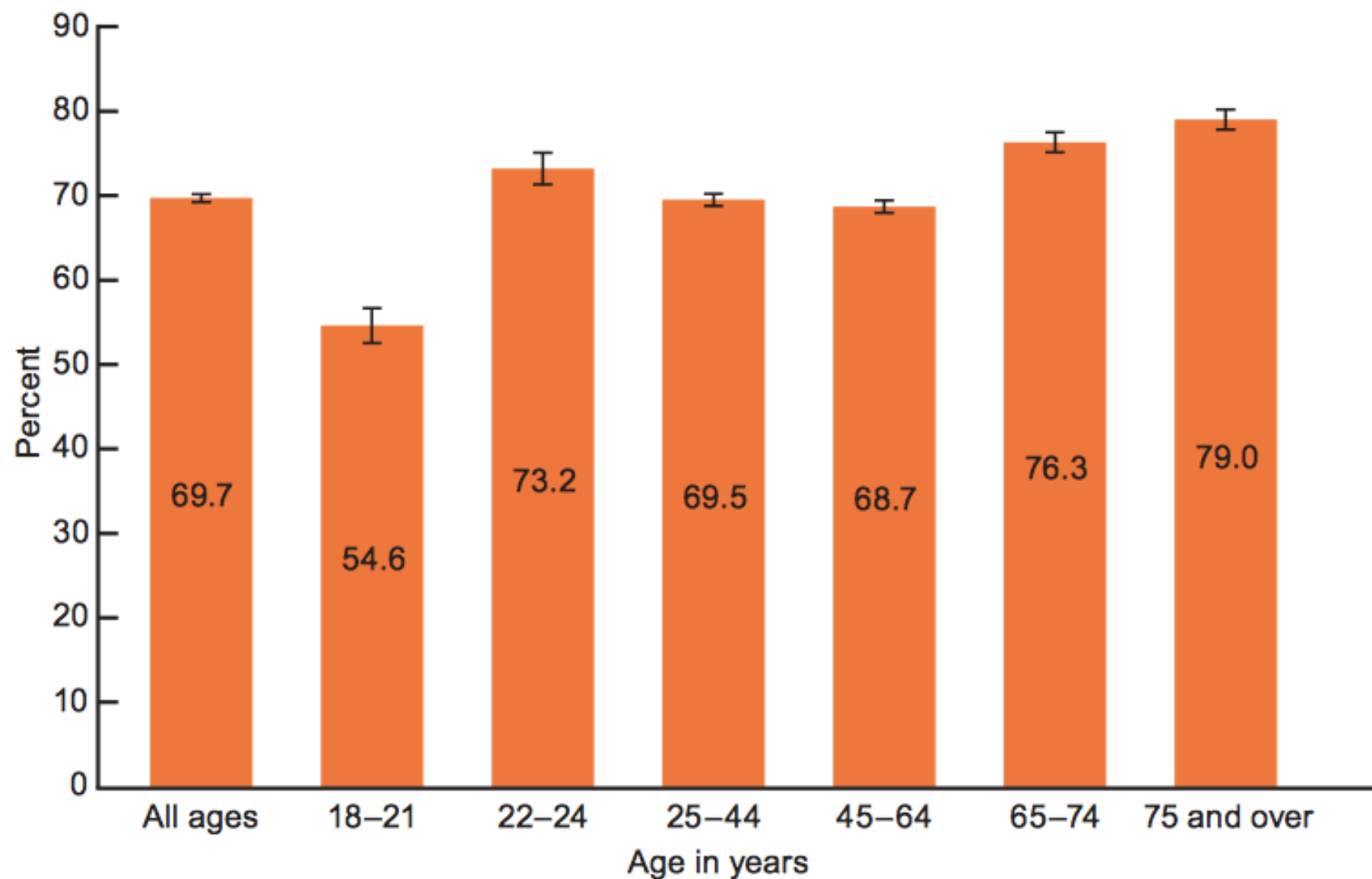


┐ 95% confidence interval.

NOTES: Estimates are age adjusted using the projected 2000 U.S. population as the standard population. Estimates are based on household interviews of a sample of the civilian noninstitutionalized population. Estimates are based on leisure-time physical activity only. GED is General Educational Development high school equivalency diploma.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008–2010.

Figure 5.4. Percentage of adults who met the 2008 federal guidelines for physical activity, by level of education: United States, annualized, 2008–2010



┆ 95% confidence interval.

NOTES: Estimates are based on household interviews of a sample of the civilian noninstitutionalized population. Sufficient sleep is defined as 8 or more hours for adults aged 18–21 and 7 or more hours for adults aged 22 and over.

SOURCE: CDC/NCHS, National Health Interview Survey, 2008–2010.

Figure 7.3. Percentage of adults who met the Healthy People 2020 objective for sufficient sleep, by age: United States, annualized, 2008–2010