



Racial and Ethnic Disparities:
Looking Back Seminar Series


**Racial & Ethnic Health & Healthcare Disparities & Dysfunction:
Historical & Contemporary Issues**

W. Michael Byrd, MD, MPH

Linda A. Clayton, MD, MPH

Tuesday, February 16th, 2016
1:00 – 2:00 pm
Ether Dome, Bulfinch 4th Floor




**THE DISPARITIES
SOLUTIONS CENTER**

One Goal - High Quality Care for All

Reminders

- ✓ Please complete the evaluation and photo release inside your program. Leave on table outside the Ether Dome or hand to a DSC Staff member on way out.
- ✓ Follow the Disparities Solutions Center on Facebook and Twitter (info on table outside)



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Upcoming Events

DSC Web Series in Partnership with HPOE: *Going Beyond Real Data Collection: Collecting Social Determinants of Health*
– February 23, 2016 from 12:00-1:00pm ET

DSC Keeping Current Seminar Series: *Disparities in Radiology*
– March 24, 2016, 12:00-1:00pm ET in O’Keeffe Auditorium

Healthcare Quality and Equity Action Forum
– September 29-30, 2016 at Seaport Boston Hotel

Visit mghdisparitiessolutions.org for more information.



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Speakers



W. Michael Byrd, MD, MPH
Director, Institute for Optimizing Health and Health Care (IOHHC)
Health Policy Researcher, Harvard School of Public Health
Health Policy Instructor, Harvard School of Public Health, Harvard Medical School
Adjunct Professor, Obstetrics and Gynecology, Meharry Medical College



Linda A. Clayton, MD, MPH
Co-Director, Institute for Optimizing Health and Health Care (IOHHC)
Health Policy Researcher, Harvard School of Public Health
Health Policy Instructor, Harvard School of Public Health, Harvard Medical School
Adjunct Professor, Obstetrics and Gynecology, Meharry Medical College



**THE DISPARITIES
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One Goal - High Quality Care for All

DISPARITIES SOLUTION CENTER
MASSACHUSETTS GENERAL HOSPITAL of
HARVARD MEDICAL SCHOOL
BOSTON, MA

[Mini-Seminar Version]
**RACIAL AND ETHNIC HEALTH AND
HEALTH CARE DISPARITIES & DYSFUNCTION: HISTORICAL &
CONTEMPORARY ISSUES**

Presenters:
W. Michael Byrd, MD, MPH
Linda A. Clayton, MD, MPH



Harvard School of Public Health
Department of Health Policy and Management
Institute for Optimizing Health and Health Care
MGH Ether Dome,
Massachusetts General Hospital,
Tuesday, February 16th, 2016, 1:00-2:00,
Boston, MA

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MASSACHUSETTS GENERAL HOSPITAL of
HARVARD MEDICAL SCHOOL
BOSTON, MA

[Mini-Seminar Version]
**DISPARITIES, INEQUITIES, & DYSFUNCTION
IN U.S. HEALTH & HEALTH CARE: ORIGINS,
EVOLUTION, PERPETUATION,
CONFIGURATIONS, & MECHANISMS**

1A
Presenters:
W. Michael Byrd, M.D., M.P.H.
Linda A. Clayton, M.D., M.P.H.
Harvard School of Public Health
Department of Health Policy and Management
Institute for Optimizing Health and Health Care
MGH Ether Dome,
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Boston, MA

AFRICAN AMERICANS

HAVE HAD THE WORST HEALTH STATUS...
THE WORST HEALTH OUTCOMES, AND...
THE WORST HEALTH SERVICES DELIVERY...

THAN ANY OTHER RACIAL OR ETHNIC GROUP
IN THE UNITED STATES SINCE OUR ARRIVAL
IN 1619...397 YEARS AGO

THUS, THEY WILL SERVE WELL AS OUR TEACHING
MODEL FOR UNDERSTANDING U.S. HEALTH
DISPARITIES, HEALTH SYSTEM DYSFUNCTION, AND
THE FLAWED AMERICAN MEDICAL-SOCIAL CULTURE

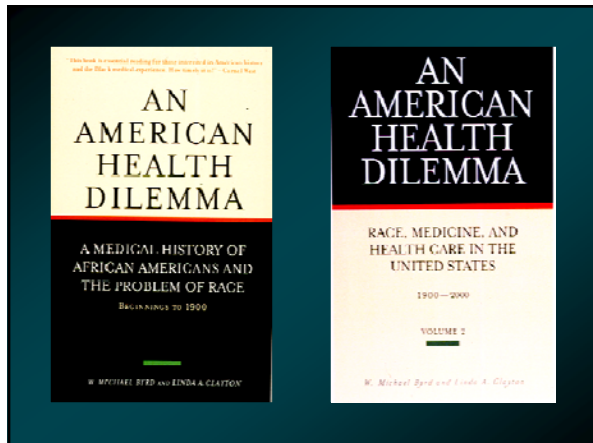
SOURCES: Byrd WM, Clayton LA. *An American Health Dilemma*. 2 vols. New York: Routledge; 2000, 2002; Byrd WM, Clayton LA. Racial and ethnic disparities in health care: A background and history. In: *Unequal Treatment*. Washington, D.C.: National Academy Press; 2003: 443-514.

IF WE ARE TO SOLVE THE PROBLEMS OF:

**RACIAL-, ETHNIC-, AND CLASS-
BASED HEALTH INEQUITIES,
DISPARITIES, &
LACK OF DIVERSITY**

WE MUST:

**UNDERSTAND
the Problems**



FOUNDATIONS OF THE INEQUITY AND DISPARITY INQUIRY

BIOLOGY	HISTORY	HEALTH CARE ECONOMICS	GENETICS
MEDICINE	HISTORY OF SCIENCE	POLITICAL SCIENCE	MEDICAL ETHICS
PUBLIC HEALTH	HEALTH POLICY	RACE/ETHNIC RELATIONS	PHILOSOPHY
PSYCHOLOGY	MEDICAL SOCIOLOGY	EPIDEMIOLOGY	BIOSTATISTICS
ANTHROPOLOGY	PUBLIC POLICY	ETHNOLOGY	SOCIOLOGY
ETHICS	ACADEMIC BIOGRAPHY	MEDICAL HISTORY	TROPICAL MEDICINE
PUBLIC HEALTH PRACTICE	EVOLUTIONARY BIOLOGY	CULTURAL ANTHROPOLOGY	AFRO-AMERICAN STUDIES

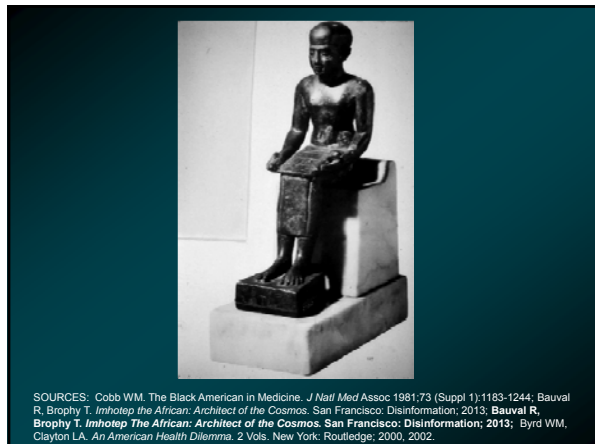
REQUISITE BACKGROUND AREAS FOR THE INEQUITY & DISPARITY INQUIRY

Medicine & Health Care & their histories	Health Policy & its history
Medical- Sociology	History of Science
Health Care Economics & its history	Racial & Ethnic Studies
Public Health & its history	

RACE/ETHNIC/GENDER/CLASS INEQUITIES, DISPARITIES, & DYSFUNCTION IN WESTERN SCIENCE/MEDICINE/HEALTH/ & HEALTH CARE: THE INQUIRY



Source: Byrd WM, Clayton LA. *An American Health Dilemma*. Volumes 1 and 2. New York: Routledge, 2000, 2002.



ORIGINS AND EVOLUTION OF A FLAWED MEDICAL-SOCIAL & SCIENTIFIC CULTURE

ORIGINS

- Predating Plato & Aristotle's 2,500 year-old "Great Chain of Being"
- Hierarchical thinking, ideology, behavior, & practices based on *reification* of races, ethnicities, classes, & gender

EVOLUTION INTO

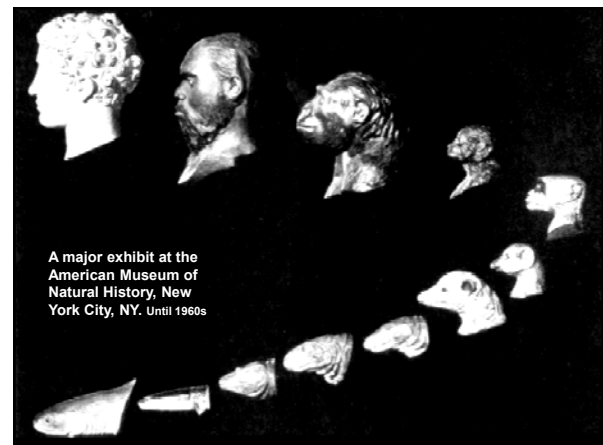
- Scientific racism
- Misogyny
- Unethical Biomedical & Experimental Exploitation
- Theories of Racial, Gender, Ethnic, & Class superiority & inferiority
- Biases & practices that deeply distort Western medical, scientific, & academic traditions

SOURCES: Byrd WM, Clayton LA. *An American Health Dilemma*. 2 Vols. New York: Routledge; 2000, 2002; Jackson JP, Weidman NM. *Race, Racism, and Science*. New Brunswick, NJ: Rutgers University Press; 2004, 2006.

INEQUITIES, DISPARITIES, & DYSFUNCTION IN WESTERN MEDICINE, HEALTH, AND HEALTH CARE- GREEK PERIOD [1600-300 B.C.]

PLATO

ARISTOTLE



ON THE ORIGINS OF "RACE,"* RACISM, & SCIENTIFIC RACISM

THE RACE—"OTHER"—HIERARCHICAL AXIS

*Recall that "race" did not exist in the English language until 1508. It entered the English Dictionary around 1580.

SOURCE: Byrd WM, Clayton LA. *An American Health Dilemma*. 2 Vols. Routledge; 2000, 2002.

THE WESTERN SCIENTIFIC TRADITION (Focus on Biomedicine, 1500-1900)

Some Contributors to Racism, Bias, Discrimination, & Scientific Racism In Western Science

Marcello Malpighi
"Father of Histology"

Anton Leeuwenhoek
"Father of Microscopy"

Carolus Linnaeus
"Father of Biological Classification"

Johann Blumenbach
"Father of Anthropology"

Georges Cuvier
"Father of Paleontology & Comparative Anatomy"




Charles Darwin
"Theory of Evolution"

Samuel G. Morton
"American School of Anthropology"

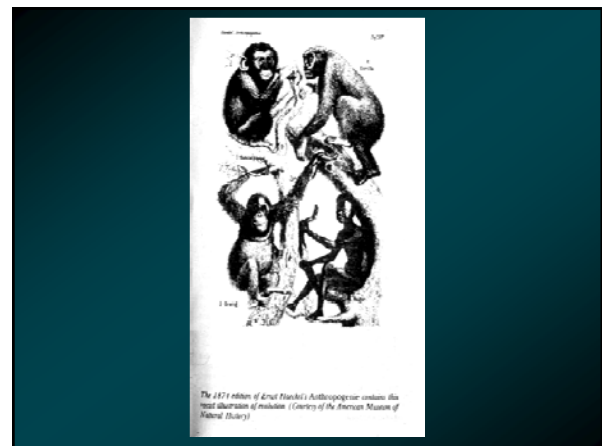
Sir Francis Galton
"Father of Biometry & Eugenics"

SOURCES: Byrd WM, Clayton LA. *An American Health Dilemma*. 2 Vols. New York: Routledge; 2000, 2002; Jackson JP, Weidman NM. *Race, Racism and Science: Social Impact and Interaction*. New Brunswick: Rutgers University Press; 2006; Gould SJ. *The Mismeasure of Man*. New York: WW Norton; 1981.


Careers in Scientific Racism OUR ANATOMY LESSON

			
NAME	PETER CAMPER	ANDERS RETZIUS	PAUL BROCA
SCIENTIFIC FAME	Camper's fascia; angle; Chisam; ligament; line; physician anatomist	Space of Retzius; physician anatomist	Broca's area of the brain; path-breaking neurologist; Father of Physical Anthropology
SCIENTIFIC RACISM	Resurrected Facial Angle; prognathism as racial type; physiognomy	Created Cephalic Index; taught racial inferiority	Taught racial inferiority; taught female inferiority
PRESENT EFFECTS	Blacks still have negative image; "race" medicine still taught in U.S. medical schools	Blacks still have negative image; "race" medicine still taught in U.S. medical schools	Women still fight inferiority image; Blacks still have negative image; "race" medicine still taught in U.S. medical schools

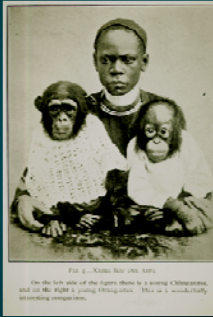
SOURCES: Byrd WM, Clayton. *An America Health Dilemma*. 2 Vols. Routledge, 2000, 2002; Byrd WM, Clayton LA, et al. *Racial & Ethnic Disparities in Health & Health Care: Historical & Contemporary Issues*. HPM524. HSPH, Boston, Spring 2, 2006.



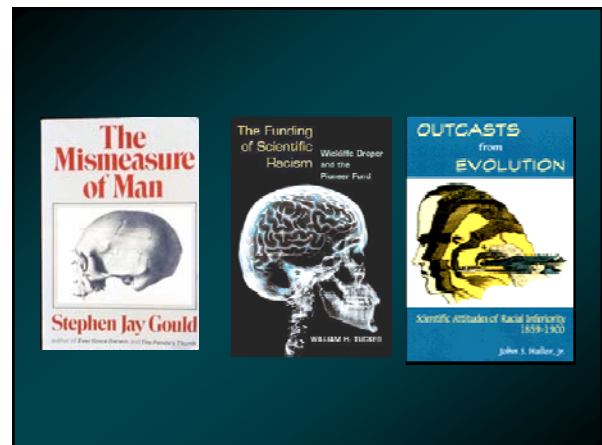
SCIENTIFIC MYTHS—THE BLACKS-APE CONNCTION



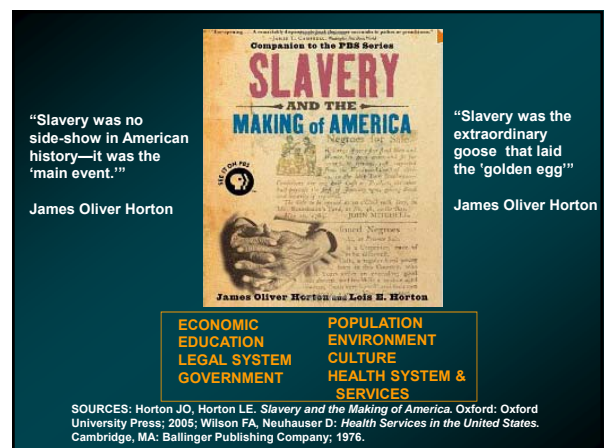
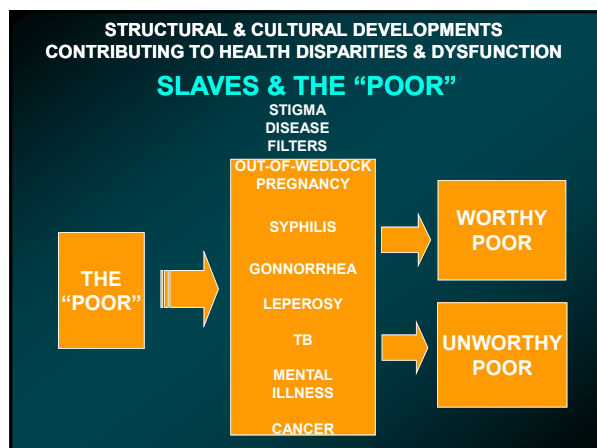
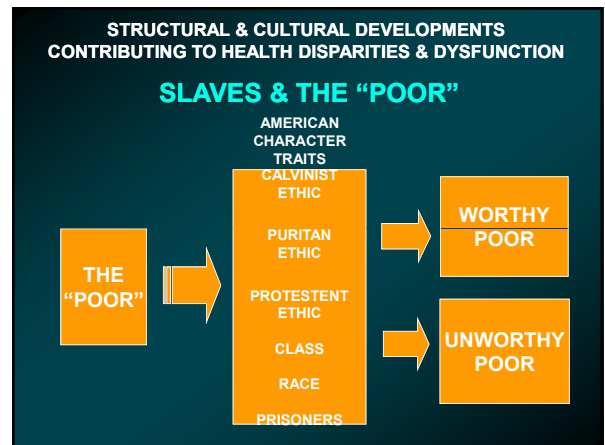
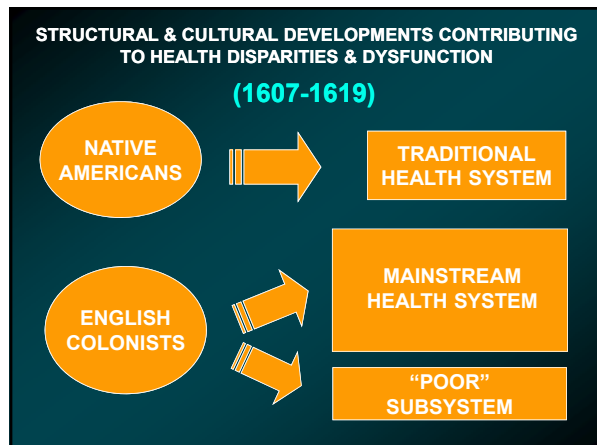
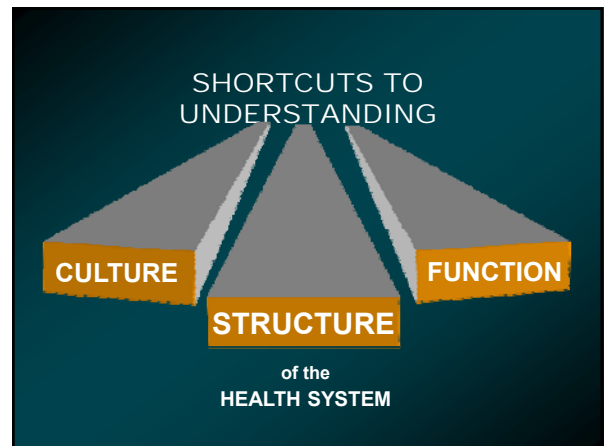
AMERICA'S GREATEST PROBLEM:
THE NEGRO
BY R. W. HUFSCOLTZ, M.D.



For J. S. Huxley (see also 1881).
One the left side of the figure there is a young Chimpanzee, and on the right is young Huxley. This is a wonderfully resembling resemblance.

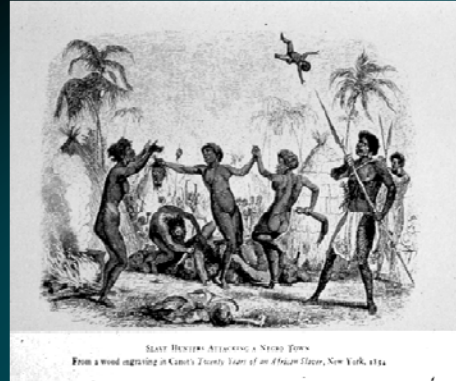


The English/North American—U.S. health experience





THE "SLAVE WARS"



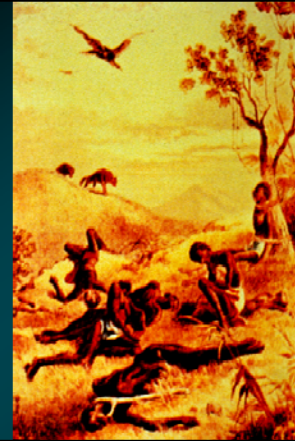
THE "ROUND-UPS"

THE MARCH
FROM THE
INTERIOR...



TO THE WEST
AFRICAN
COASTS

50%



MORTALITY
RATE



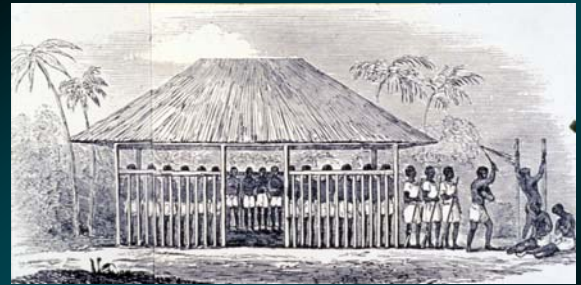
Goree' Island, Senegal



ELMINA CASTLE, GHANA



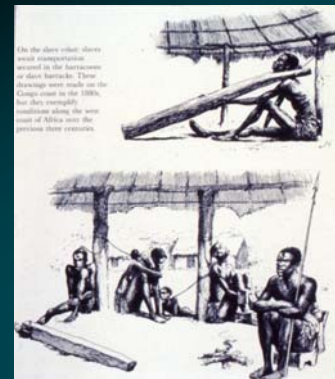
CAPE COAST CASTLE, GHANA



SLAVE BARACCOON (STORAGE PEN)



SLAVE STORAGE CELL IN "SLAVE CASTLE"



OUTDOOR SLAVE STORAGE

**DEATH
RATE**

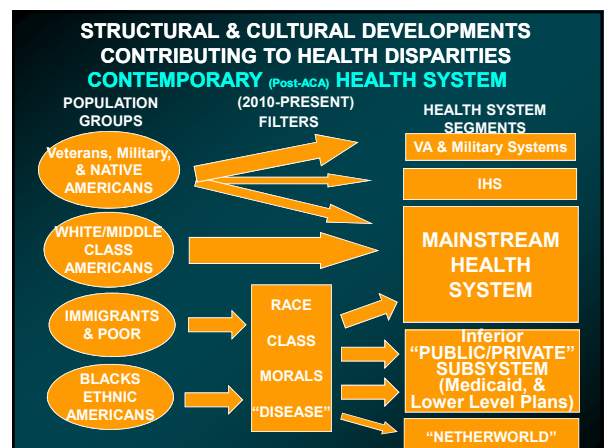
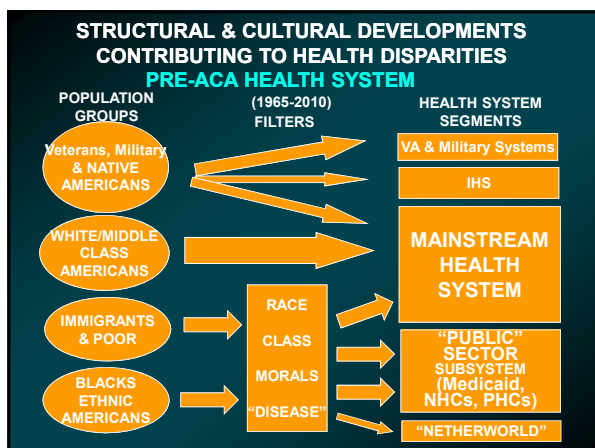
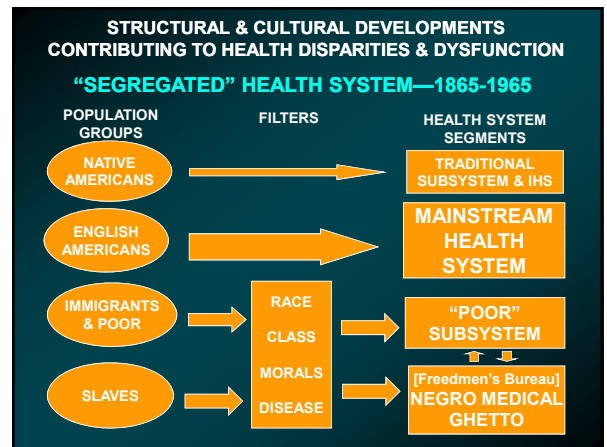
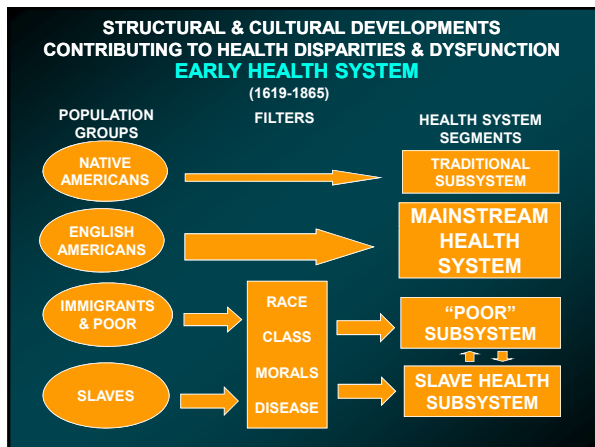
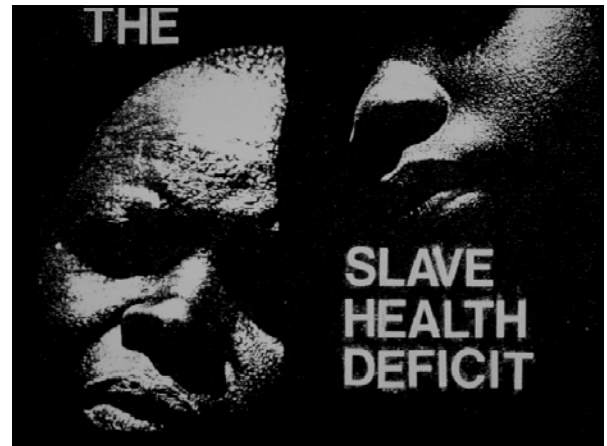


25%

THE "DOOR OF NO RETURN"



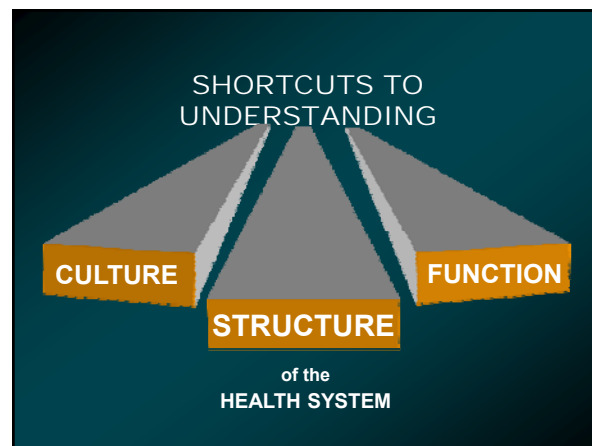
THE "MIDDLE PASSAGE"—DEATH RATE 15-50%



AFRICAN AMERICAN CITIZENSHIP STATUS & HEALTH EXPERIENCE				
TABLE 1B FROM 1619 TO 2016				
TIME SPAN	CITIZENSHIP STATUS IN YEARS	PERCENT [%] OF U.S. EXPERIENCE	CITIZENSHIP STATUS	HEALTH AND HEALTH SYSTEM EXPERIENCE
1619-1865	246	61.96%	Chattel slavery	Disparate/inequitable treatment; poor health status and outcomes. "Slave health deficit" and "Slave health subsystem" in effect
1865-1965	100	25.25%	Virtually no citizenship rights	Absent or inferior treatment and facilities. <i>De jure</i> segregation & discrimination in South; <i>de facto</i> throughout most of the health system. "Slave health deficit" uncorrected
1965-2016	51	12.85%	Most citizenship rights	Medicare/Medicaid [1965]; Southern medical school desegregation [1948]; Inpatient Hospital Integration Conferences [1957-1964]; hospital desegregation in courts [1964]. Disparate health status, outcomes, and services with sporadic, discrimination, institutional racism and bias in effect. Supreme Court reinstated legal segregation June 29, 2007. Reverse much of the Voting Rights Act [2014].
1619-2016	397	100%	The struggle continues	SUM TOTAL

*According to Thomas Marshall's criteria citizenship carries three distinct kinds of rights relative to the State: [1] *civic rights*, including legal equality, free speech, free movement, free assembly, and organizational and informational rights; [2] *political rights*, including the right to vote and run for office in free elections, and; [3] *socioeconomic rights*, including the right to have a job, collectively bargain, unionize, and access social security and welfare if necessary. GWM Byrd/LA Clayton, 2016

SOURCES:
Brinkley A. *The Unfinished Nation: A Concise History of the American People*. New York: Alfred A. Knopf, 1993.
Byrd WM, Clayton LA. *An American Health Dilemma*. 2 Vols. New York: Routledge, 2000, 2002.
Higginbotham AL. *In the Matter of Color: Race and the American Legal Process, The Colonial Period*. New York: Oxford University Press, 1976.
Kluger R. *Simple Justice*. New York: Alfred A. Knopf, Inc., 1976.
Lewin T. Justice, 5-4, limit use of race for school integration plans. *New York Times*. Friday, June 29, 2007, p. 1.
Munroe M. *Race, Reform, and Rebellion*. 2nd Edition. Jackson: University Press of Mississippi, 1991.D



THE U.S. "HEALTH DISPARITIES ENGINE" (MODERN CONFIGURATION)

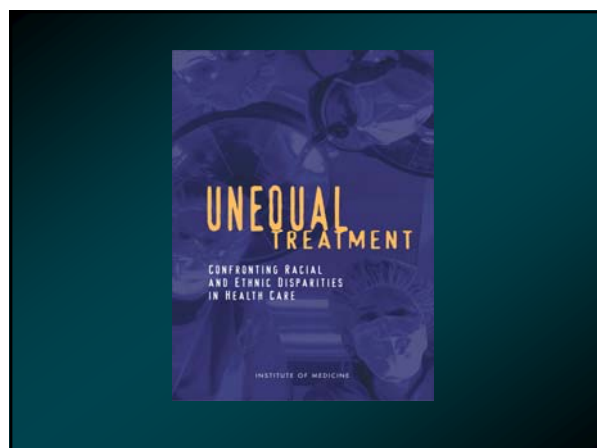
- PROVIDER FACTORS:
 1. Unequal Treatment (U.S. medical pedagogy & culture)
 2. Biased Clinical-Decision Making
 3. Stereotyping
 4. Discrimination
- PATIENT FACTORS + (DISPARITIES PRODUCING FACTORS):
 1. Demographics (e.g., "poor neighborhoods")
 2. Language & Communication
 3. Culture
 4. Religion
- HEALTH SYSTEM FACTORS:
 1. Culture
 2. Racial, ethnic, class Segregation
 3. Financing
 4. Structure
 5. Multi-Tiering
 6. Process Factors
- COMMUNITY FACTORS:
 1. Social Determinants
 2. Health System and Residential Segregation
 3. Access Factors (e.g., no hospitals, doctor's offices, labs, etc.)

SOURCE: Byrd WM, Clayton LA. *Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues*. A Two Part Seminar. The Mongan Commonwealth Fund Lecture Series. The Mongan Commonwealth Fund Fellowship in Minority Health Policy. Harvard Medical School-Harvard School of Public Health. September 2, 9, 2014. Kresge Building. Boston, Massachusetts.

THE U.S. DISPARITIES "ENGINE"

- PROVIDER FACTORS:
 1. Unequal Treatment
 2. Biased Clinical-Decision Making
 3. Stereotyping
 4. Discrimination

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THE U.S. DISPARITIES "ENGINE"

- PATIENT FACTORS (DISPARITIES PRODUCING FACTORS):
 1. Demographics
 2. Communication
 3. Language
 4. Culture
 5. Religion

SOURCE: Byrd WM, Clayton LA. *Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues*. A Two Part Seminar. The Mongan Commonwealth Fund Lecture Series. The Mongan Commonwealth Fund Fellowship in Minority Health Policy. Harvard Medical School-Harvard School of Public Health. September 2, 9, 2014. Kresge Building. Boston, Massachusetts.

THE U.S. DISPARITIES “ENGINE”

• HEALTH SYSTEM FACTORS:

1. Financing
2. Structure
3. Tiering
4. Segregation by Race & Class
5. Process Factors
6. Medical-Social Culture

SOURCE: Byrd WM, Clayton LA. *Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues*. A Two Part Seminar. The Mongan Commonwealth Fund Lecture Series. The Mongan Commonwealth Fund Fellowship in Minority Health Policy. Harvard Medical School-Harvard School of Public Health. September 2, 9, 2014. Kresge Building, Boston, Massachusetts; Beauchamp DE. Public health as social justice, 11-19. In: *Public Health and Social Justice*. San Francisco: Jossey-Bass; 2013; Kawachi I, Berkman LF, eds. *Neighborhoods and Health*. New York: Oxford University Press; 2003.

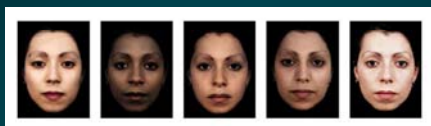
THE U.S. DISPARITIES “ENGINE”

• COMMUNITY FACTORS:

1. Social Determinants
2. Health System and Residential Segregation
3. Access Factors
4. No sense of “community” about Health

SOURCE: Byrd WM, Clayton LA. *Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues*. A Two Part Seminar. The Mongan Commonwealth Fund Lecture Series. The Mongan Commonwealth Fund Fellowship in Minority Health Policy. Harvard Medical School-Harvard School of Public Health. September 2, 9, 2014. Kresge Building, Boston, Massachusetts; Kawachi I, Berkman LF, eds. *Neighborhoods and Health*. New York: Oxford University Press; 2003.

A 90-95% EUROPEAN WHITE PATIENT POPULATION IN 1900



Bloche, M. G. N Engl J Med 2004;351:2036-2037

MULTI-RACIAL, MULTI-ETHNIC, SES-DIVERSE PATIENT POPULATION IN 2016—INTO THE 21ST CENTURY

CONTRIBUTORS TO HEALTH DISPARITIES

- Race, Class, Ethnicity
- The Clinical Encounter
- Health system factors
 - ◆ Structural
 - ◆ Process
 - ◆ Legal/Regulatory
- Environmental, Behavioral, Biological factors
- Access
- Stereotyping, bias, prejudice, clinical uncertainty
 - ◆ Individual
 - ◆ Institutional
- Cultural factors
- Quality factors
- SES factors

SOURCE: IOM. *Unequal Treatment*, 2003; USCCR. *The Health Care Challenge*, 1999.

INEQUITIES, DISPARITIES, & DYSFUNCTION IN WESTERN & U.S. MEDICINE, HEALTH, AND HEALTH CARE -SUMMARY-

- The Roots of racial, ethnic, and class inequities & disparities in Western and, later, American medicine & health care are over 2,500 years old
- The legacy of health inequities and disparities for African Americans is almost 400 years old
- The African American health experience parallels their citizenship status in many ways

SOURCE: Byrd WM, Clayton LA. *An American Health Dilemma*. Volume 1. *A Medical History of African Americans and the Problem of Race: Beginnings to 1900*. New York: Routledge; 2000; Byrd WM, Clayton LA. *An American Health Dilemma*. Volume 2. *Race, Medicine, and Health Care in the United States: 1900-2000*. New York: Routledge; 2002.

INEQUITIES, DISPARITIES, & DYSFUNCTION IN WESTERN & U.S. MEDICINE, HEALTH, AND HEALTH CARE -SUMMARY-

- *An American Health Dilemma* documents two periods of health reform to address Black health inequities and disparities
 - ◆ First Reconstruction in Black Health [1865-1872]
 - ◆ Second Reconstruction in Black Health [1965-1975]
- The U.S. health system was created, structured and evolved on the basis of race, ethnicity and class

SOURCE: Byrd WM, Clayton LA. *An American Health Dilemma*. Volume 1. *A Medical History of African Americans and the Problem of Race: Beginnings to 1900*. New York: Routledge; 2000; Byrd WM, Clayton LA. *An American Health Dilemma*. Volume 2. *Race, Medicine, and Health Care in the United States: 1900-2000*. New York: Routledge; 2002.

INEQUITIES, DISPARITIES, & DYSFUNCTION IN WESTERN & U.S. MEDICINE, HEALTH, AND HEALTH CARE-

-SUMMARY-

- The over 100 year "Market Experiment" has failed. Racial-, Ethnic-, and Class-Based inequities, disparities, and dysfunction in U.S. health, health care, and health care services remain. These malfunctions persist, and in some cases have worsened—despite "Market Experiments" in health care financing, "MARKET JUSTICE," market-based structuring, and attempts at market-based health care delivery!

SOURCE: Byrd WM, Clayton LA. *An American Health Dilemma*. Volume 1. *A Medical History of African Americans and the Problem of Race*. Beginnings to 1900. New York: Routledge; 2000; Byrd WM, Clayton LA. *An American Health Dilemma*. Volume 2. *Race, Medicine, and Health Care in the United States: 1900-2000*. New York: Routledge; 2002; IOM. *Unequal Treatment*. Washington, D.C.: The National Academies Press; 2003; Himmelstein DU, Woolhandler S. U.S. health care: single payer or market reform. 551-561. In: Donohoe MT, ed. *Public Health and Social Justice*. San Francisco: Jossey-Bass; 2013; Amnesty International. *Deadly Delivery: The Maternal Health Care Crisis in the USA*. London: Amnesty International; 2010.

THE CHALLENGE?

THE HEALTH SYSTEM MUST CHANGE—LED BY HEALTH PROFESSIONALS, AND ALLIED WITH OTHERS (INSTITUTIONS, COMMUNITIES, ETC.)—TO MEET THE NEEDS OF THE AFRICAN AMERICAN AND INCREASINGLY DIVERSE U.S. POPULATION

NOW WE WILL PROCEED TO THE CONTEMPORARY CONFIGURATION OF AFRICAN AMERICAN & DISADVANTAGED

HEALTH AND HEALTH CARE DISPARITIES, INEQUITIES, AND INEQUALITIES



SELECT REFERENCES

Amnesty International. *Deadly Delivery: The Maternal Health Care Crisis in the USA*. London: Amnesty International; 2010.

Arrow KJ. Uncertainty and the welfare economics of medical care. *The American Economic Review*. 1963;53:941-973.

Barr DA. *Health Disparities in the United States: Social Class, Race, Ethnicity, and Health*. Baltimore: The Johns Hopkins University Press; 2008.

Bauval R, Brophy T. *Imhotep The African: Architect of the Cosmos*. San Francisco: Disinformation; 2013.

Brown ER. *Rockefeller Medicine Men*. Berkeley: University of California Press; 1979.

Byrd WM, Clayton LA. *An American Health Dilemma*. 2 vols. New York: Routledge; 2000, 2002.

Byrd WM, Clayton LA. Racial and ethnic disparities in health care: A background and history. In: *Unequal Treatment*. Washington, D.C.: National Academy Press; 2003: 443-514.

Byrd WM, Betancourt JA, Clayton LA, Stone VA, et al. "Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues." Spring 2 course, Harvard School of Public Health; 2002-2007.

Cavalli-Sforza LI, Menozzi P, Piazza A. *The History and Geography of Human Genes*. Princeton: Princeton University Press; 1994.

Cavalli-Sforza LI. *Genes, Peoples, and Languages*. New York: North Point Press; 2000.

Cobb WM. *The Black American in Medicine*. *J Natl Med Assoc* 1981;73 (Suppl 1):118-1244.

Dowling HF. *City Hospitals*. Cambridge, MA: Harvard University Press; 1982.

Donohoe MT, ed. *Public Health and Social Justice*. San Francisco: Jossey-Bass; 2013.

Fuchs VR. *The Health Economy*. Cambridge, MA: Harvard University Press; 1986.

Fuchs VR. *Who Shall Live? Health, Economics, and Social Choice*. Expanded ed. Singapore: World Scientific; 1998.

Gould SJ. *The Mismeasure of Man*. New York: W.W. Norton and Company; 1981.

Himmelstein DU, Woolhandler S. Competition in a publicly funded healthcare system. *BMJ*. 2007;1126-1129.

Himmelstein DU, Woolhandler S. Healthcare lifeboats. *Nation*. 2009;14-16.

Hofrichter R, ed. *Health and Social Justice*. San Francisco: Jossey-Bass; 2003.

IOM. *Unequal Treatment*. Washington, D.C.: The National Academies Press; 2003.

Jackson JP, Weidman NM. *Race, Racism and Science: Social Impact and Interacton*. New Brunswick: Rutgers University Press; 2006.

Jahoda G. *Images of Savages*. New York: Routledge; 1999.

SELECT REFERENCES

Kawachi I, Berkman LF, eds. *Neighborhoods and Health*. New York: Oxford University Press; 2003.

Klinker PA, Smith RM. *The Unsteady March*. Chicago: The University of Chicago Press; 1999.

Kluger R. *Simple Justice*. New York: Vintage Books; 1975.

Lovejoy AO. *The Great Chain of Being: A Study of the History of An Idea*. Cambridge, MA: Harvard University Press; 1936. Reprint Paperback Edition; 1964.

Lyons AS, Petrucelli RJ. *Medicine*. New York: Harry N. Abrams, Inc., Publishers; 1978.

Mahar M. *Money-Driven Medicine*. New York: Collins; 2006.

Newhouse JP. Assessing health reform's impact on four key groups of Americans. *Health Affairs*. 2010;29:1-11.

Novotny A, Smith C, eds. *Images of Healing*. New York: Macmillan Publishing Co., Inc.; 1980.

OSAP. Orlandi MA, ed. *Cultural Competence for Evaluators*. Rockville MD: USDHHS, PHS; 1992.

Pear R. When a job disappears, so does the health care. *New York Times*. Accessed <http://www.nytimes.com/2008/01/20/07/2008>.

Rivlin AM. In: Obenhaus M, Sawyer F. *Ten Trillion and Counting*. A PBS Frontline DVD documentary. WGBH Educational Foundation; 2009.

Sebellius K. Plan coming to reduce minority health disparities. *Kaiser Health News Daily Report*. Accessed <http://www.kaiserhealthnews.org/Daily-Reports/2010/April/16>. On April 26, 2010.

Smith DB. *Health Care Divided: Race and Healing a Nation*. Ann Arbor: The University of Michigan Press; 1999.

Starr P. *The Social Transformation of American Medicine: The Rise of a Sovereign Profession and the Making of a Vast Industry*. New York: Basic Books; 1982.

Starr P. *Remedy and Reaction: The Peculiar American Struggle over Health Care Reform*. New Haven: Yale University Press; 2011.

Stevens R. *American Medicine and the Public Interest*. New Haven: Yale University Press; 1971.

Stevens R. *In Sickness and in Wealth*. Baltimore: The Johns Hopkins University Press; 1999.

Strachan T, Read AP. *Human Molecular Genetics* 3. London: Garland Science; 2004.

Stromberg WS. *The Starting Point for Reform*. power point PDF presentation [57 slides]. Denver, CO: Davis Graham and Stubbs, LLP. May 18, 2010. Accessed. <http://www.dshhealthplan.com/uploads/file/PPACA%20Presentation.pdf>. On August 23, 2010.

Tattersall I, DeSalle R. *Race? Debunking A Scientific Myth*. College Station: Texas A&M University Press; 2011.

SELECT REFERENCES

USDHHS. *Healthy People 2020*. Rockville, MD: U.S. Department of Health and Human Services. DDHP Publication No. 80192; November 2010. Accessed. <http://www.hhs.gov/healthypeople/>. On June 20, 2011.

USDHHS. *A Nation Free of Disparities: HHA Action Plan to Reduce Racial and Ethnic Health Disparities*. Rockville.

Washington DC: *Medical Apartheid: The Dark History of Medical Experimentation on Black Americans from Colonial Times to the Present*. New York: Doubleday; 2006.

Wilson FA, Neuhauser D. *Health Services in the United States*. Rev. ed. Cambridge, MA: Ballinger Publishing Co.; 1982.

Wilson FA, Neuhauser D. *Health Services in the United States*. 2nd ed. Cambridge, MA: Ballinger Publishing Co.; 1985.

Winerip M, Schwartz M. City cuts ties with provider of health aid at Rikers jail. Thursday, June 11, 2015, A21..

THE END

DISPARITIES SOLUTION CENTER MASSACHUSETTS GENERAL HOSPITAL of HARVARD MEDICAL SCHOOL BOSTON, MA [Mini-Seminar Version] RACIAL AND ETHNIC HEALTH AND HEALTH CARE DISPARITIES & DYSFUNCTION: HISTORICAL & CONTEMPORARY ISSUES

Presenters:

Linda A. Clayton, MD, MPH
W. Michael Byrd, MD, MPH

Harvard School of Public Health
Department of Health Policy and Management
Institute for Optimizing Health and Health Care
MGH Ether Dome,
Massachusetts General Hospital,
Tuesday, February 16th, 2016, 1:00-2:00,
Boston, MA



DISPARITIES SOLUTION CENTER
MASSACHUSETTS GENERAL HOSPITAL of
HARVARD MEDICAL SCHOOL
BOSTON, MA

**RACIAL AND ETHNIC HEALTH AND
HEALTH CARE DISPARITIES & DYSFUNCTION: A
CONTEMPORARY MULTIFACTORIAL PERSPECTIVE**

1B

Presenters:

Linda A. Clayton, MD, MPH
W. Michael Byrd, MD, MPH

Harvard School of Public Health
Department of Health Policy and Management
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MGH Ether Dome,
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AFRICAN AMERICANS

**HAVE HAD THE WORST HEALTH STATUS...
THE WORST HEALTH OUTCOMES, AND...
THE WORST HEALTH SERVICES DELIVERY...**

**THAN ANY OTHER RACIAL OR ETHNIC GROUP
IN THE UNITED STATES SINCE OUR ARRIVAL
IN 1619...397 YEARS AGO**

SOURCES: Byrd WM, Clayton LA. *An American Health Dilemma*. 2 vols. New York: Routledge; 2000, 2002; Byrd WM, Clayton LA. Racial and ethnic disparities in health care: A background and history. In: *Unequal Treatment*. Washington, D.C.: National Academy Press; 2003: 443-514.

DEFINITIONS

Health Disparity-

Differences in health among segments of the population (demographic groups) that occur by gender, race or ethnicity, education or income, disability, geographic location, or sexual orientation.

SOURCE: USDHHS. *Healthy People 2010*. Vol. 1. 2nd Edition. McLean, Virginia: International Medical Publishing, Inc, 2001.

DISPARITIES

Disparities exist in many areas, including, but not limited to:

1. Disease specific health outcomes (e.g., cancer, HIV/AIDS, and heart disease)
2. Service Delivery—Health system structural and process factors
3. Health Insurance Status—**Health financing***
4. Access, Availability, Accountability, Acceptability, Adaptability, Affordability
5. Clinical Encounter—Clinical Decision Making
6. Quality of Care

*Focus of recent Patient Protection & Affordable Care Act (PPACA)

WHO ARE WE TALKING ABOUT?

- Blacks...most affected
- Other racial and ethnic groups (e.g., Native Americans, Mexican Americans)
- **SOME EMPLOYMENT-BASED INSURANCE MEMBERS**
 - Unemployed
 - Underemployed
 - Employed, but unaffordable (middle-class), and
 - Medically indigent individuals—many new
- **SOME Other disadvantaged populations**
 - Many elderly and poor people
 - Disabled civilians and veterans
 - Children
 - Many single mothers
- **SOME Uninsured, underinsured, govt. insurance**
- **SOME Rural populations**
- **Recent immigrants (especially undocumented)**

Increasingly Diverse Groups Affected

**AFRICAN AMERICAN/ETHNIC/
DISADVANTAGED HEALTH/HEALTH CARE
CRISIS**

- Wide, deep, health disparities (based on race, ethnicity, and class)
- Disparate Access Barriers
- High Uninsured, Underinsured Rates
- Structural Inequalities and Inequities
- Large populations trapped in dual, unequal tiers of health system
- A Chronic Racial & Medical-Social problem
- Built upon almost four centuries of dysfunctional ideology, philosophy, "science," biomedicine, and practice

THE U.S. "HEALTH DISPARITIES ENGINE" (MODERN CONFIGURATION)

- PROVIDER FACTORS:
 1. Unequal Treatment (U.S. medical pedagogy & culture)
 2. Biased Clinical-Decision Making
 3. Stereotyping
 4. Discrimination
- PATIENT FACTORS + (DISPARITIES PRODUCING FACTORS):
 1. Demographics (e.g., "poor neighborhoods")
 2. Language & Communication
 3. Culture
 4. Religion
- HEALTH SYSTEM FACTORS:
 1. Culture
 2. Racial, ethnic, class Segregation
 3. Financing
 4. Structure
 5. Multi-Tiering
 6. Process Factors
- COMMUNITY FACTORS:
 1. Social Determinants
 2. Health System and Residential Segregation
 3. Access Factors (e.g., no hospitals, doctor's offices, labs, etc.)

SOURCE: Byrd WM, Clayton LA. *Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues*. A Two Part Seminar. The Mongan Commonwealth Fund Lecture Series. The Mongan Commonwealth Fund Fellowship in Minority Health Policy. Harvard Medical School-Harvard School of Public Health. September 2, 9, 2014. Kresge Building. Boston, Massachusetts.

THE AMERICAN HEALTH SYSTEM & SERVICES REPRESENT-AN INTERDEPENDENT SUB-COMPONENT OF:

THE U.S. SOCIAL SYSTEM

- Education
- Economic*
- Law
- Government
- Environment
- Population
- Culture
- Health System & Services*

*The PRACA hopes to correct the health system by changing the relationship between these two components?

SOURCES: Wilson FA, Neuhouser D. *Health Services in the United States*. Rev. ed. 1st ed. Cambridge, MA: Ballinger Publishing Company, 1982; Byrd WM, Clayton LA. *An American Health Dilemma*. 2 Vols. New York: Routledge, 2000, 2002; Byrd WM, Betancourt JA, Clayton LA, Stone VA, et al. "Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues." Spring 2 course, Harvard School of Public Health, 2002-2007; Starr P. *Remedy and Reaction: The Peculiar American Struggle over Health Care Reform*. New Haven: Yale University Press, 2011.

THE TWELVE MAJOR STRUCTURAL COMPONENTS OF THE U.S. HEALTH AND HEALTH SERVICES SYSTEM:

- Health professions
- Institutions (Hospitals, Nursing homes, etc.)
- Pharmaceutical, medical supply & appliance industries
- Health education & research systems
- Ambulatory systems
- Health financing system
- Federal government—health & health care
- State/Local governments—health & health care
- Voluntary health agencies
- Review & Control infrastructure
- Health Law & Medical Ethics
- "WALL STREET" & its' financial health sector

SOURCES: Wilson FA, Neuhouser D. *Health Services in the United States*. Rev. ed. 1st ed. Cambridge, MA: Ballinger Publishing Company, 1982; Byrd WM, Clayton LA. *An American Health Dilemma*. 2 Vols. New York: Routledge, 2000, 2002; Byrd WM, Betancourt JA, Clayton LA, Stone VA, et al. "Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues." Spring 2 course, Harvard School of Public Health, 2002-2007; Stoline A, Weiner JP. *The New Medical Marketplace*. The Johns Hopkins University Press, 1988-89; Wilson FA. *The Medical Industrial Complex*. New York: Harcourt Brace, 1984.

Social Determinants

- Health professions
- Institutions (Hospitals, etc.)
- Pharmaceutical, medical supply & appliance industries
- Health education, research systems
- Ambulatory systems
- "Wall Street" & its' financial sector
- Health financing system
- Federal government—health & health care
- State governments—health & health care
- Voluntary health agencies
- Review & Control infrastructure
- Health Law & Medical Ethics

SOURCES: Wilson FA, Neuhouser D. *Health Services in the United States*. 2nd ed. Cambridge, MA: Ballinger Publishing Company, 1982; Byrd WM, Clayton LA. *An American Health Dilemma*. 2 Vols. New York: Routledge, 2000, 2002; Byrd WM, Betancourt JA, Clayton LA, Stone VA, et al. "Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues." Spring 2 course, Harvard School of Public Health, 2002-2007.

Health Ideology, Philosophy, Ethics, & Social Contract

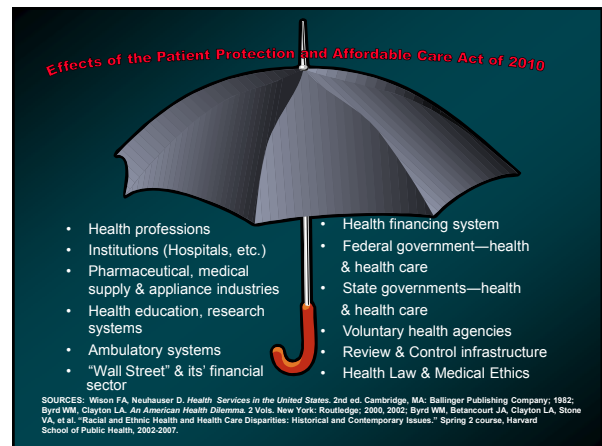
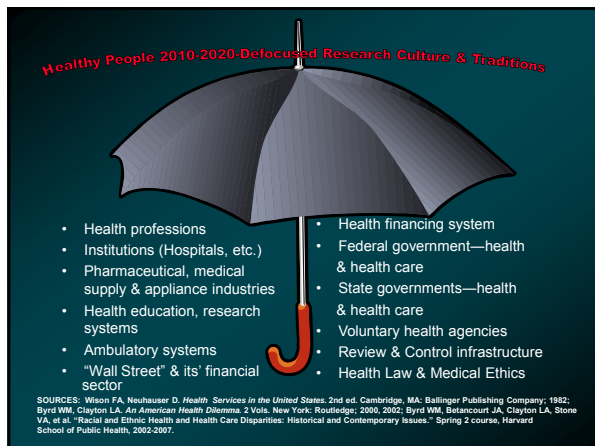
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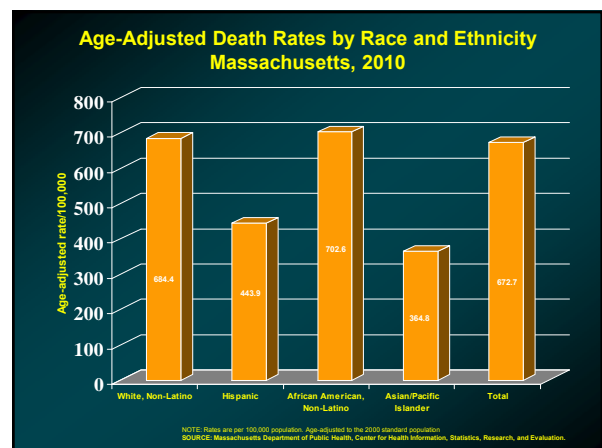
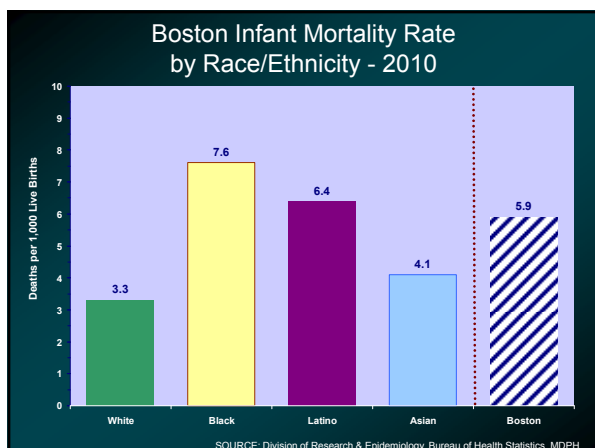
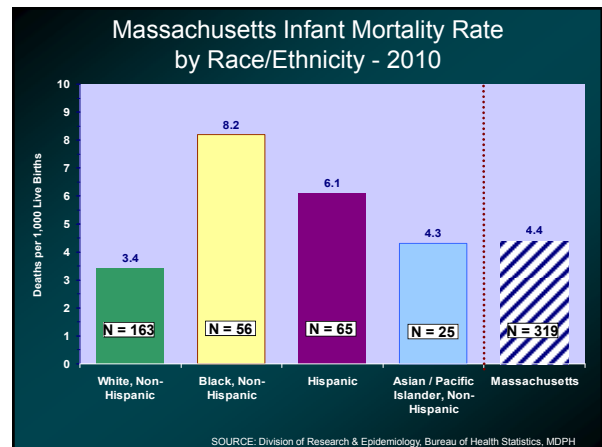
Medical-Social Culture

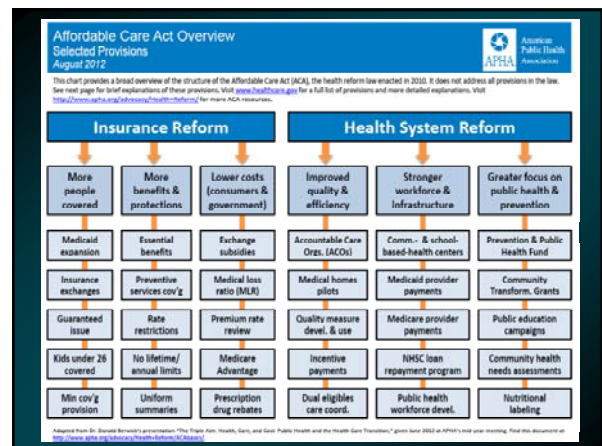
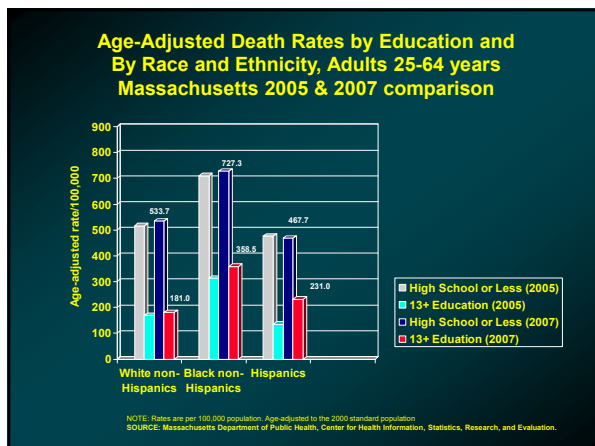
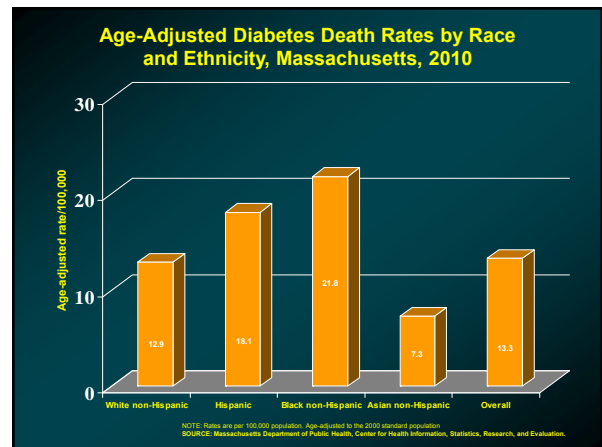
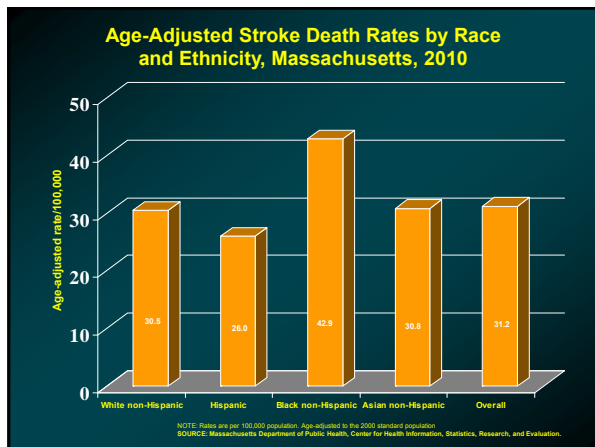
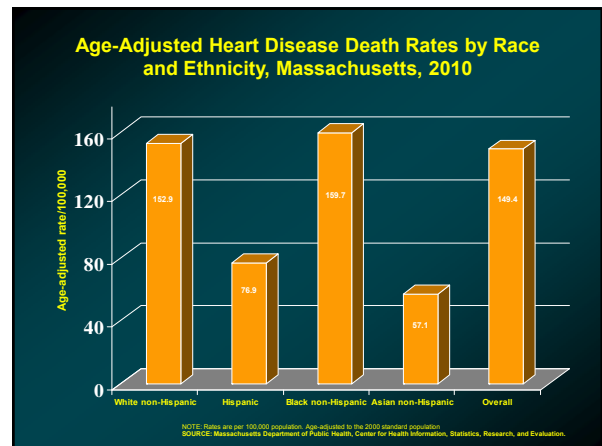
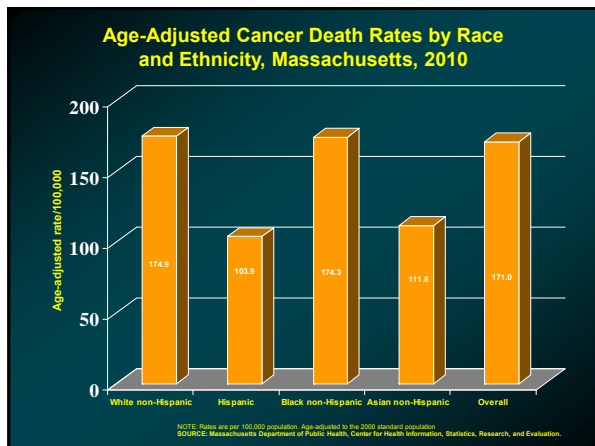
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SOME MASSACHUSETTS DATA





HOW PPACA IS ORGANIZED

- Title I: Quality, Affordable Health Care for All Americans
- Title II: Role of Public Programs
- Title III: Improving the Quality and Efficiency of Health Care
- Title IV: Prevention of Chronic Disease and Improving Public Health
- Title V: Health Care Workforce
- Title VI: Transparency and Program Integrity
- Title VII: Improving Access to Innovative Medical Therapies
- Title VIII: Community Assistance Services and Supports
- Title IX: Revenue Provisions
- Title X: Strengthening Title I

WHERE ARE WE? WHAT MUST WE DO? WHAT DOES THE FUTURE HOLD?

- We must pose the question—can the health system shed the dark legacies of its' racial, ethical, health policy, and medical-social past?
- Can we analyze, reform, and implement fundamental changes in our medical-social culture?
- Can we affect change in public attitudes toward health and health care?
- Can the American people and a committed cadre of health professionals re-gain control of the medical industrial complex?
- The term "Health Reform" has been abused so often and for so long—we must Re-Invent our health system. Are the ACA, the HHS Action Plan to Reduce (not eliminate) Health Disparities, and Healthy People 2020 a good enough start?
- Health Professions' Accountability must be re-defined in ethical, public health, social contract, political, health policy, and financial terms

SOURCES: Byrd WM, Clayton LA. *An American Health Dilemma*. Two Volumes, New York: Routledge, 2000, 2002; Byrd WM, Betancourt J, Clayton LA, Stone V. "Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues," HPM 524, 2002-2007, HSPH, Boston, MA.

Wisdom from a 12 y/o South African boy...
denied treatment and schooling...
an AIDS victim...now deceased

Do all you can,
With what you have,
In the time you have,
In the place you are

Nkhosi Johnson
Paula Zahn Now, World AIDS Day,
CNN, Boston, 2004

SELECT REFERENCES

- American Cancer Society. *CA Cancer J Clin*. 2015;65:14-23-26.
 Amnesty International. *Deadly Delivery: The Maternal Health Care Crisis in the USA*. London: Amnesty International; 2010.
 Arrow KJ. Uncertainty and the welfare economics of medical care. *The American Economic Review*. 1963;53:941-973.
 Barr DA. *Health Disparities in the United States: Social Class, Race, Ethnicity, and Health*. Baltimore; The Johns Hopkins University Press; 2008.
 Beck M. Groups say plans discourage HIV patients. *Wall Street Journal*. Wednesday, December 11, 2013, A6.
 Brown ER. *Rockefeller Medicine Men*. Berkeley: University of California Press; 1979.
 Byrd WM, Clayton LA. *An American Health Dilemma*. 2 vols. New York: Routledge, 2000, 2002.
 Byrd WM, Clayton LA. Racial and ethnic disparities in health care: A background and history. In: *Unequal Treatment*. Washington, D.C.: National Academy Press; 2003: 443-514.
 Byrd WM, Betancourt JA, Clayton LA, Stone VA, et al. "Racial and Ethnic Health and Health Care Disparities: Historical and Contemporary Issues." Spring 2 course, Harvard School of Public Health; 2002-2007.
 Cavalli-Sforza L, Menozzi P, Piazza A. *The History and Geography of Human Genes*. Princeton: Princeton University Press; 1994.
 Cavalli-Sforza L. *Genes, Peoples, and Languages*. New York: North Point Press; 2000.
 Dowling HF. *City Hospitals*. Cambridge, MA: Harvard University Press; 1982.
 Fuchs VR. *The Health Economy*. Cambridge, MA: Harvard University Press; 1986.
 Fuchs VR. *Who Shall Live? Health, Economics, and Social Choice*. Expanded ed. Singapore: World Scientific; 1998.
 Himmelstein DU, Woolhandler S. Competition in a publicly funded healthcare system. *BMJ*. 2007;1126-1129.
 Himmelstein DU, Woolhandler S. Healthcare lifeboats. *Nation*; 2009;14-16.
 Hofrichter R. *Health and Social Justice*. San Francisco: Jossey-Bass; 2003.
 IOM. *Unequal Treatment*. Washington, D.C.: The National Academies Press; 2003.
 Jackson JP, Weidman NM. *Race, Racism and Science: Social Impact and Interaction*. New Brunswick: Rutgers University Press; 2006.
 Jahoda G. *Images of Savages*. New York: Routledge; 1999.

SELECT REFERENCES

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 Kluger R. *Simple Justice*. New York: Vintage Books; 1975.
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 Pear R. When a job disappears, so does the health care. *New York Times*. Accessed <http://www.nytimes.com/2009/01/12/07/2008>.
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 Sebelius K. Plan coming to reduce minority health disparities. *Kaiser Health News Daily Report*. Accessed <http://www.kaiserhealthnews.org/DailyReports/2010/April15>. On April 26, 2010.
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 Starr P. *The Social Transformation of American Medicine: The Rise of a Sovereign Profession and the Making of a Vast Industry*. New York: Basic Books; 1982.
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 Stevens R. *American Medicine and the Public Interest*. New Haven: Yale University Press; 1971.
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 USDHHS. *A Nation Free of Disparities: HHS Action Plan to Reduce Racial and Ethnic Health Disparities*. Rockville, MD: U.S. Department of Health and Human Services; 2010.
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Audience Q&A

Please remember to complete evaluations & photo release.

*Completed forms can be left on the table
outside the Ether Dome or handed to a DSC staff member.*



Additional Questions?

Dr. W. Michael Byrd at
wmichaelbyrd@rcn.com

Dr. Linda A. Clayton at
lclayton@rcn.com



Thank you for attending!

Please leave completed evaluations & photo release forms
on the table outside the Ether Dome or hand to
DSC staff on your way out.

