

Citations

Why We Wrote This

[1] Dorothy E. Roberts, *The Problem with Race-Based Medicine.*, filmed 2015 at TEDMED, video, https://www.ted.com/talks/dorothy_roberts_the_problem_with_race_based_medicine.

[2] Cherrie Moraga and Gloria Anzaldúa, *This Bridge Called My Back: Writings by Radical Women of Color*. 2015, Fourth edition, Albany: State University of New York (SUNY) Press, 2015.

[3] Dorothy E. Roberts, “Constructing a Criminal Justice System Free of Racial Bias: An Abolitionist Framework.” 2008, *Columbia Human Rights Law Review*, 26.

[4] “This book is not for everyone. I have a specific audience in mind—people who care deeply about racial justice but who, for any number of reasons, do not yet appreciate the magnitude of the crisis faced by communities of color as a result of mass incarceration. In other words, I am writing this book for people like me—the person I was ten years ago. I am also writing it for another audience—those who have been struggling to persuade their friends, neighbors, relatives, teachers, co-workers, or political representatives that something is eerily familiar about the way our criminal justice system operates, something that looks and feels a lot like an era we supposedly left behind, but who have lacked the facts and data to back up their claims. It is my hope and prayer that this book empowers you and allows you to speak your truth with greater conviction, credibility, and courage. Last, but definitely not least, I am writing this book for all those trapped within America’s latest caste system. You may be locked up or locked out of mainstream society, but you are not forgotten.” Excerpt from: Michelle Alexander. “The New Jim Crow.” Apple Books.

[5] Alexander, Michelle, and Cornel West. *The New Jim Crow: Mass Incarceration in the Age of Colorblindness*. New York: The New Press, 2012.

[6] Remnick, David. “Ten Years After ‘The New Jim Crow.’” *The New Yorker*, January 17, 2020. <https://www.newyorker.com/news/the-new-yorker-interview/ten-years-after-the-new-jim-crow>.

Section 1: Racism, not Race, Causes Health Disparities

What are Racial Health Disparities and Why Do They Exist?

[1] Kendal Orgera and Samantha Artiga, “Disparities in Health and Health Care.” The Henry J. Kaiser Family Foundation (blog), August 8, 2018.

[2] Paula Braveman, “What are health disparities and health equity? We need to be clear.” Public Health Reports (Washington, D.C. : 1974) vol. 129 Suppl 2, Suppl 2 (2014): 5-8.
<https://doi.org/10.1177/00333549141291S203>.

[3] Clarence Gravlee, “How Race Becomes Biology: Embodiment of Social Inequality.” American Journal of Physical Anthropology 139, no. 1 (May 1, 2009): 47–57.
<https://doi.org/10.1002/ajpa.20983>.

[4] Graphic adapted from Dr. Joia Crear-Perry, who adapted from MPHI from R. Hofrichter, Tackling Health Inequities through Public Health Practice (New York: Oxford University Press, 2010)

[5] Joia Crear-Perry, “Root Causes of Black Maternal Health Inequities. Improving Access to Perinatal Care: Confronting Disparities & Inequities in Maternal-Infant Health.” National Birth Equity Collaborative, April 2019, 50.

[6] KM Hoffman et al., “Racial Bias in Pain Assessment and Treatment Recommendations, and False Beliefs about Biological Differences between Blacks and Whites.” Proceedings of the National Academy of Sciences 113, no. 16 (April 19, 2016): 4296–4301.

Race

[1] Michael Omi and Howard Winant, *Racial Formation in the United States*. Routledge, 2014.

[2] We acknowledge that whiteness is a further societal construct that has changed drastically over time; however, a full critical analysis of whiteness is not the point of this essay and can be found elsewhere. See Appendix for more.

[3] Michael Yudell et al., “Taking Race out of Human Genetics” *Science* 351, no. 6273 (February 5, 2016): 564–65. <https://doi.org/10.1126/science.aac4951>;
CC Gravlee, “How Race Becomes Biology,”.

[4] CC Gravlee, “How Race Becomes Biology”.

[5] JM Norton et al., “Social Determinants of Racial Disparities in CKD.” *Journal of the American Society of Nephrology : JASN* 27, no. 9 (September 2016): 2576–95.
<https://doi.org/10.1681/ASN.2016010027>.

[6] Michael Yudell et al., “Taking Race out of Human Genetics”; JM Norton et al., “Social Determinants of Racial Disparities in CKD.”

[7] Ibid.

White Supremacy

[1] Andrea Smith, “Heteropatriarchy and the Three Pillars of White Supremacy.” *Color of Violence*, edited by INCITE! Women of Color Against Violence, 66–73. Duke University Press, 2016. <https://doi.org/10.1215/9780822373445-007>.

[2] For more context on Mauna Kea, see <https://www.vox.com/identities/2019/7/24/20706930/mauna-kea-hawaii>, among other journalistic sources

[3] For more context on the Dakota Access Pipeline, see <https://www.theguardian.com/us-news/video/2016/aug/29/north-dakota-oil-access-pipeline-protest-video> and <https://americanindian.si.edu/nk360/plains-treaties/dapl>, among other journalistic sources

[4] Many people, especially white people, may read this and believe it does not apply to them, nor to the world they see. It is not the job of this paper to convince you that white supremacy and racism exist. For those who are interested in dismantling white supremacy within themselves, we suggest finding local trainings or engaging with the “me and white supremacy workbook” written by lala f. saad.

Racism

[1] Alberta Civil Liberties Research Centre. “Racism and Power.” Accessed March 1, 2020. <http://www.aclrc.com/racism-and-power>.

[2] The Aspen Institute: Roundtable on Community Change. “Glossary for Understanding the Dismantling Structural Racism/Promoting Racial Equity Analysis.” Accessed March 1, 2020. <https://assets.aspeninstitute.org/content/uploads/files/content/docs/rcc/RCC-Structural-Racism-Glossary.pdf>.

[3] Alberta Civil Liberties Research Centre. “Forms of Racism.” Accessed March 1, 2020. <http://www.aclrc.com/forms-of-racism>.

Interpersonal Racism

[1] Erin Digitale, “Microaggressions in Medical Training.” *Scope* (blog), May 22, 2018. <https://scopeblog.stanford.edu/2018/05/22/185969/>.

[2] Derlad Wing Sue et al., “Microaggressions.” “Racial Microaggressions in Everyday Life: Implications for Clinical Practice.” *American Psychologist* 62, no. 4 (2007): 271–86. <https://doi.org/10.1037/0003-066X.62.4.271>.

[3] Katie Johnston-Goodstar and Ross Roholt, ““Our Kids Aren’t Dropping Out; They’re Being Pushed Out.”” *Journal of Ethnic & Cultural Diversity in Social Work* 26, no. 1–2 (January 2, 2017): 30–47. <https://doi.org/10.1080/15313204.2016.1263818>.

[4] Lucas Torres, Mark Driscoll, and Anthony Burrow, “Racial Microaggressions and Psychological Functioning Among Highly Achieving African-Americans” *Journal of Social and Clinical Psychology* 29, no. 10 (December 1, 2010): 1074–99. <https://doi.org/10.1521/jscp.2010.29.10.1074>.

Kamaldeep Bhui, “The Impact of Racism on Mental Health” *Synergi Collaborative Centre*, March 2018, 14.; Nadal et al., “The Impact of Racial Microaggressions on Mental Health” *Journal of Counseling & Development* 92, no. 1 (2014): 57–66. <https://doi.org/10.1002/j.1556-6676.2014.00130.x>.

ML Walls et al., “Unconscious Biases.” *The Journal of the American Board of Family Medicine* 28, no. 2 (March 1, 2015): 231–39.

[5] TT Lewis et al., “Chronic Exposure to Everyday Discrimination and Coronary Artery Calcification in African-American Women” *Psychosomatic Medicine* 68, no. 3 (June 2006): 362–368. <https://doi.org/10.1097/01.psy.0000221360.94700.16>;

Wendy Troxel et al., “Chronic Stress Burden, Discrimination, and Subclinical Carotid Artery Disease in African American and Caucasian Women” *Health Psychology* 22, no. 3 (2003): 300–309. <https://doi.org/10.1037/0278-6133.22.3.300>;

TR Taylor et al., “Racial Discrimination and Breast Cancer Incidence in US Black Women The Black Women’s Health Study” *American Journal of Epidemiology* 166, no. 1 (July 1, 2007): 46–54. <https://doi.org/10.1093/aje/kwm056>;

Robert Edwards, “The Association of Perceived Discrimination with Low Back Pain” *Journal of Behavioral Medicine* 31, no. 5 (October 2008): 379–89. <https://doi.org/10.1007/s10865-008-9160-9>;

M Sims et al., “Perceived Discrimination and Hypertension Among African Americans in the Jackson Heart Study” *Journal of Behavioral Medicine* 31, no. 5 (October 2008): 379–89. <https://doi.org/10.1007/s10865-008-9160-9>;

David Williams and Selina Mohammed, “Racism and Health” *The American Behavioral Scientist* 57, no. 8 (August 1, 2013). <https://doi.org/10.1177/0002764213487340>.

[6] “Featured Commentary: Trayvon, Troy, Sean: When Racial Biases and Microaggressions Kill,” July 2012. <https://www.apa.org/pi/oema/resources/communique/2012/07/microaggressions>

[7] Alexis Johnson and Rachel Godsil, “The Science of Equality, Volume 1: Addressing Implicit Bias, Racial Anxiety, and Stereotype Threat in Education and Healthcare.” *Perception Institute* 1 (November 2014): 90.

Internalized Racism

[1] Carlos Hipolito-Delgado, “Exploring the Etiology of Ethnic Self-Hatred,” Chicana/o and Latina/o College Students,” *Journal of College Student Development* 51, no. 3 (May 23, 2010): 319–31. <https://doi.org/10.1353/csd.0.0133>.

- [2] A&M, “Internalized Racism Among Asians,” *Medium* (October 14, 2018), <https://medium.com/a-m-awaken-your-inner-asian/internalized-racism-among-asians-49980f984401>.
- [3] US News & World Report, “Rub Out the Bias Behind Skin-Lightening Products,” accessed March 3, 2020, <https://www.usnews.com/news/best-countries/articles/2017-04-17/global-white-out-end-the-racism-that-reinforces-skin-lightening-products>;
Roger Lee Mendoza, “The Skin Whitening Industry in the Philippines,” *Journal of Public Health Policy* 35, no. 2 (May 1, 2014): 219–38. <https://doi.org/10.1057/jphp.2013.50>;
Eric P. H. Li, Hyun Jeong Min and Russell Belk, “Skin Lightening and Beauty in Four Asian Cultures,” *Association for Consumer Research, North American Advances* 35 (2008), <https://www.acrwebsite.org/volumes/13415/volumes/v35/NA-35>;
Mohammed Adow, “Nigeria’s Dangerous Skin Whitening Obsession,” *Al Jazeera* (April 6, 2013), <https://www.aljazeera.com/indepth/features/2013/04/20134514845907984.html>.
- [4] Earle Chambers et al., “The Relationship of Internalized Racism to Body Fat Distribution and Insulin Resistance among African Adolescent Youth,” *Journal of the National Medical Association* 96, no. 12 (December 2004): 1594–98.;
S. E. Tull et al., “Relationship of Internalized Racism to Abdominal Obesity and Blood Pressure in Afro-Caribbean Women,” *Journal of the National Medical Association* 91, no. 8 (August 1999): 447–52.
- [5] Dee Watts-Jones, “Healing Internalized Racism,” *Family Process* 41, no. 4 (2002): 591–601. <https://doi.org/10.1111/j.1545-5300.2002.00591.x>;
Kira Hudson Banks and Jada Stephens, “Reframing Internalized Racial Oppression and Charting a Way Forward,” *Social Issues and Policy Review* 12, no. 1 (2018): 91–111. <https://doi.org/10.1111/sipr.12041>.

Cultural Racism

- [1] Sharon Brown et al., “Culturally Competent Diabetes Self-Management Education for Mexican Americans,” *Diabetes Care* 25, no. 2 (February 1, 2002): 259–68. <https://doi.org/10.2337/diacare.25.2.259>;
Peter Zeh et al., “A Cross-Sectional Survey of General Practice Health Workers’ Perceptions of Their Provision of Culturally Competent Services to Ethnic Minority People with Diabetes,” *Primary Care Diabetes* 12, no. 6 (December 1, 2018): 501–9. <https://doi.org/10.1016/j.pcd.2018.07.016>.
- [2] Juliene Lipson and Suzanne L. Dibble, eds., *Culture & Nursing Care: A Pocket Guide* (San Francisco: University of California, San Francisco, Nursing Press, 1996).
- [3] Juliene Lipson and Suzanne L. Dibble, eds., *Culture & Clinical Care* (San Francisco: University of California, San Francisco, Nursing Press, 2005).
- [4] Melanie Tervalon and Jann Murray-García, “Cultural Humility versus Cultural Competence,” *Journal of Health Care for the Poor and Underserved* 9, no. 2 (1998): 117–25. <https://doi.org/10.1353/hpu.2010.0233>.

[5] Frances Maurer and Claudia Smith, *Community/Public Health Nursing Practice*, 5th ed. (St. Louis, MO: Elsevier/Saunders, 2013);
Marcia Stanhope and Jeanette Lancaster, *Public Health Nursing. Health for Families and Populations*, 5th ed. (St. Louis, MO: Elsevier/Saunders, 2013).

[6] Tervalon, “Cultural Humility versus Cultural Competence.”

Institutional Racism

[1] Maria Veronica Svetaz et al., “Racism and Its Harmful Effects on Nondominant Racial–Ethnic Youth and Youth-Serving Providers: A Call to Action for Organizational Change,” *The Society for Adolescent Health and Medicine, Journal of Adolescent Health* 63, no. 2 (August 1, 2018): 257–61. <https://doi.org/10.1016/j.jadohealth.2018.06.003>;
Zinzi D. Baily et al., “Structural Racism and Health Inequities in the USA,” *The Lancet* 389, no. 10077 (April 8, 2017): 1453–63. [https://doi.org/10.1016/S0140-6736\(17\)30569-X](https://doi.org/10.1016/S0140-6736(17)30569-X).

[2] Centers for Disease Control and Prevention, “Social Determinants of Health: Know What Affects Health,” accessed on February 20, 2019, <https://www.cdc.gov/socialdeterminants/index.htm>:

Social determinants of health are “conditions in the places where people live, learn, work, and play, [which] affect a wide range of health risks and outcomes,” which leads to the call for a “creat[ion of] social and physical environments that promote good health for all.”

[3] Dorothy E. Roberts, *Killing the Black Body: Race, Reproduction, and the Meaning of Liberty* (New York: Vintage Books, 2014);
Khiara Bridges, *Reproducing Race: An Ethnography of Pregnancy as a Site of Racialization* (Berkeley: University of California Press, 2011).

[4] Tara O’Neill Hayes and Carly McNeil, “Maternal Mortality in the United States,” *American Action Forum* (September 9, 2019), <https://www.americanactionforum.org/insight/maternal-mortality-in-the-united-states/>.

[5] Svetaz, “Racism and Its Harmful Effects.”

[6] Hayes, “Maternal Mortality in the United States.”

Structural Racism

[1] Bailey, “Structural Racism and Health Inequities in the USA.”

[2] Jo C. Phelan, Bruce G. Link, and Parisa Tehranifar, “Social Conditions as Fundamental Causes of Health Inequalities,” *Journal of Health and Social Behavior* 51, no. 1 (March 2010): S28–40. <https://doi.org/10.1177/0022146510383498>.

[3] Bailey, “Structural Racism and Health Inequities in the USA.”

[4] Anthony Nardone et al., “Associations between Historical Residential Redlining and Current Age-Adjusted Rates of Emergency Department Visits Due to Asthma across Eight Cities in California,” *The Lancet Planetary Health* 4, no. 1 (January 1, 2020): e24–31. [https://doi.org/10.1016/S2542-5196\(19\)30241-4](https://doi.org/10.1016/S2542-5196(19)30241-4).

[5] Bailey, “Structural Racism and Health Inequities in the USA.”

[6] Shauntice Allen et al., “The Search for Environmental Justice,” *International Journal of Environmental Research and Public Health* 16, no. 12 (June 14, 2019): 2117. <https://doi.org/10.3390/ijerph16122117>;

David Kramar et al., “A Spatially Informed Analysis of Environmental Justice: Analyzing the Effects of Gerrymandering and the Proximity of Minority Populations to US Superfund Sites,” *Environmental Justice* 11, no. 1 (February 2018): 29–39. <https://doi.org/10.1089/env.2017.0031>;

Chlore Reichel, “Toxic Waste Sites and Environmental Justice: Research Roundup,” *Journalist’s Resource* (blog) (September 24, 2018), <https://journalistsresource.org/studies/environment/superfund-toxic-waste-race-research/>.

Section 2: Cranial Capacities to Eugenics: How Medicine and Health Sciences Biologize Race

[1] Michael Omi and Howard Winant, *Racial Formation in the United States*. 2014.

[2] Camila Hällgren and Gaby Weiner, “Out of the Shadow of Linnaeus”, 2006, <http://www.leeds.ac.uk/educol/documents/157423.htm>.

[3] Stephen Jay Gould, *The Mismeasure of Man*,.W. W. Norton & Company, 1996.

[4] David Hurst Thomas and Canby Jr, *Skull Wars: Kennewick Man, Archaeology, And The Battle For Native American Identity*. 44826th edition. New York: Basic Books, 2001.

[5] Edwin Black, “Eugenics and the Nazis -- the California Connection - SFGate.” *San Francisco Chronicle*, November 9, 2003, <https://www.sfgate.com/opinion/article/Eugenics-and-the-Nazis-the-California-2549771.php>

[6] Trials of War Criminals before Nuremberg, Nuremberg Military Tribunals Under Control Council Law No. 10 Nuremberg

[7] Edwin Black, “Eugenics and the Nazis -- the California Connection - SFGate.”

[8] Edwin Black, “Eugenics and the Nazis -- the California Connection - SFGate.”

Section 3: Race Based Medicine in Diagnosis and Treatment

- [1] The American College of Obstetricians and Gynecologists, @ACOGAction tweet.
- [2] A Sedrak and NP Kondamudi, “Sickle Cell Disease,” *StatPearls*, November 18, 2019, <https://www.statpearls.com/kb/viewarticle/29015>
- [3] *Robbins & Cotran Pathologic Basis of Disease*.
- [4] Ben White, “How to Approach NBME/USMLE Questions,” July 21, 2013, <https://www.benwhite.com/medicine/how-to-approach-nbme-usmle-questions/>.
- [5] K Ripp and L Braun, “Race/Ethnicity in Medical Education.” *Teaching and Learning in Medicine* 29, no. 2 (June 2017): 115–22. <https://doi.org/10.1080/10401334.2016.1268056>
- [6] M Yudell et al., “Taking Race out of Human Genetics.” *Science* 351, no. 6273 (February 5, 2016): 564–65. <https://doi.org/10.1126/science.aac4951>

Section 3.1: Heart Disease and Race

- [1] Alicia Lukachko, Mark L. Hatzenbuehler, and Katherine M. Keyes, “Structural Racism and Myocardial Infarction in the United States,” *Social Science & Medicine* 103 (February 2014): 42–50. <https://doi.org/10.1016/j.socscimed.2013.07.021>.
- [2] Gene H. Brody et al., “Perceived Discrimination among African American Adolescents and Allostatic Load,” *Child Development* 85, no. 3 (May 2014): 989–1002. <https://doi.org/10.1111/cdev.12213>.
- [3] Lukachko, “Structural Racism and Myocardial Infarction in the United States.”
- [4] Paul A. James et al., “2014 Evidence-Based Guideline for the Management of High Blood Pressure in Adults: Report from the Panel Members Appointed to the Eighth Joint National Committee,” *Journal of the American Medical Association* 311, no. 5 (February 5, 2014): 507–20. <https://doi.org/10.1001/jama.2013.284427>.
- [5] Stephan K. Williams et al., “Hypertension Treatment in Blacks: Discussion of the US Clinical Practice Guidelines,” *Progress in Cardiovascular Diseases* 59, no. 3 (2016): 282–88. <https://doi.org/10.1016/j.pcad.2016.09.004>.
- [6] Heidi Lujan and Stephen DiCarlo, “The ‘African Gene’ Theory: It Is Time to Stop Teaching and Promoting the Slavery Hypertension Hypothesis,” *Advances in Physiology Education* 42, no. 3 (July 4, 2018): 412–16. <https://doi.org/10.1152/advan.00070.2018>.

[7] “High Blood Pressure in African-Americans: Genetics, Risks, Causes, and More,” WebMD, accessed March 1, 2020, <https://www.webmd.com/hypertension-high-blood-pressure/guide/hypertension-in-african-americans#1>.

[8] Lujan and DiCarlo, “The ‘African Gene’ Theory.”

[9] David Cutler, Roland G. Fryer, and Edward L. Glaeser, “Racial Differences in Life Expectancy: The Impact of Salt, Slavery, and Selection,” Unpublished Manuscript, Harvard University and the National Bureau of Economic Research, March 1, 2005.

[10] Cutler, Fryer, and Glaeser, “Racial Differences in Life Expectancy.”

[11] Stephen J. Dubner, “Toward a Unified Theory of Black America,” *New York Times*, sec. Magazine (March 20, 2005), <https://www.nytimes.com/2005/03/20/magazine/toward-a-unified-theory-of-black-america.html>.

[12] Osagie K. Obasogie, “Oprah’s Unhealthy Mistake,” *Los Angeles Times* (May 17, 2007), <https://www.latimes.com/archives/la-xpm-2007-may-17-oe-obasogie17-story.html>.

[13] Ibid.

[14] Osagie K. Obasogie, “The Return of Biological Race? Regulating Race and Genetics Through Administrative Agency Race Impact Assessments,” *Southern California Interdisciplinary Law Journal* 22 (January 1, 2012): 1.

[15] Jonathan D. Kahn, “From Disparity to Difference: How Race-Specific Medicines May Undermine Policies to Address Inequalities in Health Care,” *Southern California Interdisciplinary Law Journal* 15, no. 1 (2005): 105–30.

[16] Ibid.

[17] Ibid.

[18] Obasogie, “The Return of Biological Race?”

[19] Ibid.

[20] Denise Gellene, “Heart Pill Intended Only for Blacks Sparks Debate,” *Los Angeles Times* (June 16, 2005).

[21] Ibid.

[22] Obasogie, “The Return of Biological Race?”

[23] Betram Katzung, *Basic and Clinical Pharmacology*, 14th edition (New York: McGraw-Hill Education/Medical, 2017).

[24] Dorothy E. Roberts, “What’s Wrong with Race-Based Medicine?” *Faculty Scholarship at Penn Law* (January 1, 2011), https://scholarship.law.upenn.edu/faculty_scholarship/435.

Section 3.2: Kidney Function and Race

[1] Susanne Nicholas, Kamyar Kalantar-Zadeh, and Keith Norris, “Racial Disparities in Kidney Disease Outcomes,” *Seminars in Nephrology* 33, no. 5 (September 2013): 409–15. <https://doi.org/10.1016/j.semnephrol.2013.07.002>;
Emma Wilkinson et al., “Inequalities and Outcomes: End Stage Kidney Disease in Ethnic Minorities,” *BMC Nephrology* 20, no. 1 (June 26, 2019): 234. <https://doi.org/10.1186/s12882-019-1410-2>.

[2] Ibid.

[3] Ibid.

[4] Ibid; “How High Blood Pressure Can Lead to Kidney Damage or Failure,” American Heart Association, <https://www.heart.org/en/health-topics/high-blood-pressure/health-threats-from-high-blood-pressure/how-high-blood-pressure-can-lead-to-kidney-damage-or-failure>.

[5] The American Heart Association describes the mechanism as “over time, uncontrolled high blood pressure can cause arteries around the kidneys to narrow, weaken or harden. These damaged arteries are not able to deliver enough blood to the kidney tissue.”

[6] National Kidney Foundation, “Frequently Asked Questions about GFR Estimates,” <https://www.kidney.org/content/frequently-asked-questions-about-gfr-estimates>.

[7] Ibid.

[8] Carmen Peralta et al., “Race Differences in Prevalence of Chronic Kidney Disease among Young Adults Using Creatinine-Based Glomerular Filtration Rate-Estimating Equations,” *Nephrology Dialysis Transplantation* 25, no. 12 (December 2010): 3934–39. <https://doi.org/10.1093/ndt/gfq299>.

[9] Nicholas, Kalantar-Zadeh, and Norris, “Racial Disparities in Kidney Disease Outcomes”; Wilkinson “Inequalities and Outcomes.”

[10] Peralta et al., “Race Differences in Prevalence of Chronic Kidney Disease.”

[11] Norton, “Social Determinants of Racial Disparities in CKD,” 2576–95.

[12] Ibid.

[13] National Kidney Foundation, “Frequently Asked Questions About GFR Estimates.”

[14] Juliana Zanocco et al., “Race Adjustment for Estimating Glomerular Filtration Rate Is Not Always Necessary,” *Nephron Extra* 2, no. 1 (January 2012): 293–302.
<https://doi.org/10.1159/000343899>.

[15] Peralta, “Race Differences in Prevalence of Chronic Kidney Disease.”

[16] Zanocco et al., “Race Adjustment for Estimating Glomerular Filtration Rate.”

[17] Andrew Levey et al., “A More Accurate Method to Estimate Glomerular Filtration Rate from Serum Creatinine: A New Prediction Equation. Modification of Diet in Renal Disease Study Group,” *Annals of Internal Medicine* 130, no. 6 (March 16, 1999): 461–70.
<https://doi.org/10.7326/0003-4819-130-6-199903160-00002>.

[18] S. H. Cohn et al., “Body Elemental Composition Comparison between Black and White Adults,” *American Journal of Physiology* 232, no. 4 (April 1977): E419–422.
<https://doi.org/10.1152/ajpendo.1977.232.4.E419>;

David W. Harsha, Ralph R. Frerichs, and Gerald S. Berenson, “Densitometry and Anthropometry of Black and White Children,” *Human Biology* 50, no. 3 (1978): 261–80;
J. G. Worrall et al., “Racial Variation in Serum Creatine Kinase Unrelated to Lean Body Mass,” *British Journal of Rheumatology* 29, no. 5 (October 1990): 371–73.
<https://doi.org/10.1093/rheumatology/29.5.371>;

Levey et al., “A More Accurate Method to Estimate Glomerular Filtration Rate.”

[19] Levey et al., “A New Equation to Estimate Glomerular Filtration Rate.”

[20] Zanocco et al., “Race Adjustment for Estimating Glomerular Filtration Rate Is Not Always Necessary.”

[21] Toni Martin, “The Color of Kidneys,” *American Journal of Kidney Diseases* 58, no. 5 (November 1, 2011): A27–28. <https://doi.org/10.1053/j.ajkd.2011.08.018>.

[22] National Kidney Foundation, “Frequently Asked Questions about GFR Estimates.”

[23] Andre Araujo et al., “Lean Mass, Muscle Strength, and Physical Function in a Diverse Population of Men,” *BMC Public Health* 10, no. 1 (August 21, 2010): 508.
<https://doi.org/10.1186/1471-2458-10-508>;

D. R. Wagner and V. H. Heyward, “Measures of Body Composition in Blacks and Whites,” *American Journal of Clinical Nutrition* 71, no. 6 (June 2000): 1392–1402.
<https://doi.org/10.1093/ajcn/71.6.1392>;

Analiza Silva et al., “Ethnicity-Related Skeletal Muscle Differences across the Lifespan,” *American Journal of Human Biology* 22, no. 1 (February 2010): 76–82.
<https://doi.org/10.1002/ajhb.20956>.

[24] B. Hawkins, *The New Plantation: Black Athletes, College Sports, and Predominantly White NCAA Institutions*, (Palgrave Macmillan US, 2010). <https://doi.org/10.1057/9780230105539>.

[25] Roberts, “The Problem with Race-Based Medicine.”

[26] Martin, “The Color of Kidneys.”

[27] Martin, “The Color of Kidneys.”

Section 3.3: Lung Function, Spirometry, and Race

[1] Lundy Braun, *Breathing Race into the Machine: The Surprising Career of the Spirometer from Plantation to Genetics* (Minneapolis: University of Minnesota Press, 2014).

[2] Ibid.

[3] Lundy Braun, “Race, Ethnicity and Lung Function,” *Perspectives in Biology and Medicine* 45, no. 2 (May 1, 2002): 159–74. <https://doi.org/10.1353/pbm.2002.0023>.

[4] Braun, *Breathing Race into the Machine*.

[5] Eleanor Bader, “Racializing Lung Function,” *Truthout*, accessed March 2, 2020, <https://truthout.org/articles/racializing-lung-function/>.

[6] Braun, *Breathing Race into the Machine*.

[7] Meredith C. McCormack, “Selecting Reference Values for Pulmonary Function Tests,” *UpToDate* (July 24, 2018), https://www.uptodate-com.ucsf.idm.oclc.org/contents/selecting-reference-values-for-pulmonary-function-tests?search=spirometry%20race§ionRank=2&usage_type=default&anchor=H5&source=machineLearning&selectedTitle=2~150&display_rank=2#H5.

[8] John Hankinson, John Odenchantz, and Kathleen Fedan, “Spirometric Reference Values from a Sample of the General U.S. Population,” *American Journal of Respiratory and Critical Care Medicine* 159, no. 1 (January 1, 1999): 179–87. <https://doi.org/10.1164/ajrccm.159.1.9712108>.

[9] R. Pellegrino et al., “Interpretative Strategies for Lung Function Tests,” *The European Respiratory Journal* 26, no. 5 (November 2005): 948–68. <https://doi.org/10.1183/09031936.05.00035205>.

[10] Anne Fausto-Sterling, “I Can’t Breathe,” *Boston Review* (March 17, 2016), <http://bostonreview.net/wonders/anne-fausto-sterling-race-medical-school>.

[11] Erin Texeira, “Racial Basis for Asbestos Lawsuits?; Owens Corning Seeks More Stringent Standards for Blacks,” *Baltimore Sun* (March 25, 1999), <https://www.baltimoresun.com/news/bs-xpm-1999-03-25-9903250041-story.html>.

[12] Bruce Culver et al., “Recommendations for a Standardized Pulmonary Function Report. An Official American Thoracic Society Technical Statement,” *American Journal of Respiratory and*

Critical Care Medicine 196, no. 11 (December 2017): 1463–72.
<https://doi.org/10.1164/rccm.201710-1981ST>.

[13] Philip Quanjer et al., “Multi-ethnic Reference Values for Spirometry for the 3-95 Year Age Range,” *The European Respiratory Journal* 40, no. 6 (December 2012): 1324–43.
<https://doi.org/10.1183/09031936.00080312>.

[14] Hamza Shaban, “How Racism Creeps Into Medicine,” *The Atlantic* (August 29, 2014),
<https://www.theatlantic.com/health/archive/2014/08/how-racism-creeps-into-medicine/378618/>.

Section 3.4: Genetics Research, Precision Medicine, Race, and Ancestry

[1] Braun, “Race, Ethnicity, and Health,” 159–74; Chou, “How Science and Genetics Are Reshaping the Race Debate of the 21st Century,” *Science in the News* (blog) (April 17, 2017),
<http://sitn.hms.harvard.edu/flash/2017/science-genetics-reshaping-race-debate-21st-century/>.

[2] Rajesh Kumar et al., “Genetic Ancestry in Lung-Function Predictions,” *New England Journal of Medicine* 363, no. 4 (July 22, 2010): 321–30.
<https://doi.org/10.1056/NEJMoa0907897>.

[3] Hankinson, Odencrantz, and Fedan, “Spirometric Reference Values”; Elizabeth Kiefer, Graham Hankinson, and John Barr, “Similar Relation of Age and Height to Lung Function Among Whites, African Americans, and Hispanics,” *American Journal of Epidemiology* 173, no. 4 (February 15, 2011): 376–87.
<https://doi.org/10.1093/aje/kwq417>;

Quanjer et al., “Multi-ethnic Reference Values for Spirometry”; MyLinh Duong et al., “Global Differences in Lung Function by Region (PURE): An International, Community-Based Prospective Study,” *The Lancet Respiratory Medicine* 1, no. 8 (October 1, 2013): 599–609;

Chen et al., “Relationship between Lung Function and Metabolic Syndrome,” *PLoS ONE* 9, no. 10 (October 9, 2014). <https://doi.org/10.1371/journal.pone.0108989>;

Ana Maria Menezes et al., “African Ancestry, Lung Function and the Effect of Genetics,” *The European Respiratory Journal* 45, no. 6 (June 2015): 1582–89.
<https://doi.org/10.1183/09031936.00112114>.

[4] Menezes et al., “African Ancestry, Lung Function and the Effect of Genetics”; Quanjer et al., “Multi-ethnic Reference Values for Spirometry.”

[5] Kiefer, Hankinson, and Barr, “Similar Relation of Age and Height to Lung Function.”

[6] Katherine Drake, Joshua Galanter, and Esteban Burchard, “Race, Ethnicity and Social Class and the Complex Etiologies of Asthma,” *Pharmacogenomics* 9, no. 4 (April 2008): 453–62. <https://doi.org/10.2217/14622416.9.4.453>;

Duana Fullwiley, “The Biological Construction of Race,” *Pharmacogenomics* 9, no. 4 (April 2008): 453–62. <https://doi.org/10.2217/14622416.9.4.453>.

[7] Michael McGeachie et al., “Whole Genome Prediction and Heritability of Childhood Asthma Phenotypes,” *Immunity, Inflammation and Disease* 4, no. 4 (November 28, 2016): 487–96. <https://doi.org/10.1002/iid3.133>.

[8] Margaret Parker et al., “Admixture Mapping Identifies a Quantitative Trait Locus Associated with FEV1/FVC in the COPD Gene Study,” *Genetic Epidemiology* 38, no. 7 (November 2014): 652–59. <https://doi.org/10.1002/gepi.21847>.

[9] Yudell et al., “Taking Race out of Human Genetics.”

[10] Rajesh Kumar et al., “Genetic Ancestry in Lung-Function Predictions.”

[11] Yudell et al., “Taking Race out of Human Genetics.”

[12] Fullwiley, “The Biological Construction of Race”; Dorothy E. Roberts, “Is Race-Based Medicine Good for Us? African American Approaches to Race, Biomedicine, and Equality,” *The Journal of Law, Medicine & Ethics* (August 1, 2008).

<https://doi/10.1111/j.1748-720X.2008.302.x>;

Roberts, “The Problem with Race-Based Medicine”;

Troy Duster, “Buried Alive,” in *Genetic Nature/Culture: Anthropology and Science beyond the Two-Culture Divide*, edited by Alan H. Goodman, Deborah Heath, and M. Susan Lindee, 258–77 (University of California Press, 2003).

www.jstor.org/stable/10.1525/j.ctt1pp2bv.19;

Troy Duster, “Race and Reification in Science,” *Science* 307, no. 5712 (February 18, 2005): 1050–51. <https://doi.org/10.1126/science.1110303>.

[13] See, for example, Ian Holmes, “David Reich, Racism, and the Difficulty of Talking About Genetics,” *The Atlantic*, <https://www.theatlantic.com/science/archive/2018/04/reich-genetics-racism/558818/>.

Section 4: Looking Ahead and Epigenetics

[1] Neha John-Henderson et al., “Socioeconomic Status and Social Support: Social Support Reduces Inflammatory Reactivity for Individuals Whose Early-Life Socioeconomic Status Was Low,” *Psychological Science* 26, no. 10 (October 1, 2015): 1620–29.

<https://doi.org/10.1177/095679761559596>.

[2] Lawrence Wallack and Kent Thornburg, “Developmental Origins, Epigenetics, and Equity,” *Maternal and Child Health Journal* 20, no. 5 (May 1, 2016): 935–40.

<https://doi.org/10.1007/s10995-016-1970-8>;

Christopher Kuzawa and Elizabeth Sweet, “Epigenetics and the Embodiment of Race: Developmental Origins of US Racial Disparities in Cardiovascular Health,” *American Journal of Human Biology* 21, no. 1 (2009): 2–15. <https://doi.org/10.1002/ajhb.20822>.

- [3] Robert-Paul Juster et al., “Allostatic Load and Comorbidities: A Mitochondrial, Epigenetic, and Evolutionary Perspective,” *Development and Psychopathology* 28, no. 4pt1 (2016): 1117–46. <https://doi.org/10.1017/S0954579416000730>.
- [4] Laura Richman and Charles Jonassaint, “The Effects of Race-Related Stress on Cortisol Reactivity in the Laboratory: Implications of the Duke Lacrosse Scandal,” *Annals of Behavioral Medicine* 35, no. 1 (February 1, 2008): 105–10. <https://doi.org/10.1007/s12160-007-9013-8>.
- [5] Pamela Sawyer et al., “Discrimination and the Stress Response: Psychological and Physiological Consequences of Anticipating Prejudice in Interethnic Interactions,” *American Journal of Public Health* 102, no. 5 (March 15, 2012): 1020–26. <https://doi.org/10.2105/AJPH.2011.300620>.
- [6] Amani Nuru-Jeter et al., “Abstract 9550: Anticipatory Racism Threat and Superwoman Schema: Elucidating the Relationship Between Racial Discrimination and Chronic Inflammation,” *Circulation* 128, no. 22 (November 26, 2013): A9550–A9550. https://doi.org/10.1161/circ.128.suppl_22.A9550.
- [7] Shannon Sullivan, “Inheriting Racist Disparities in Health: Epigenetics and the Transgenerational Effects of White Racism,” *Critical Philosophy of Race* 1, no. 2 (September 5, 2013): 190–218.
- [8] Kuzawa and Sweet, “Epigenetics and the Embodiment of Race”;
Sullivan, “Inheriting Racist Disparities in Health”;
Wallack and Thornburg, “Developmental Origins, Epigenetics, and Equity”;
Darlene Francis, “Conceptualizing Child Health Disparities: A Role for Developmental Neurogenomics,” *Pediatrics* 124, no. 3 (November 2009): 196–202. <https://doi.org/10.1542/peds.2009-1100G>.
- [9] Francis, “Conceptualizing Child Health Disparities.”
- [10] Kuzawa and Sweet, “Epigenetics and the Embodiment of Race.”
- [11] Francis, “Conceptualizing Child Health Disparities.”
- [12] Sullivan, “Inheriting Racist Disparities in Health.”