

USING RESEARCH AND TECHNOLOGY TO ADDRESS COMPOUNDING DISPARITIES

OCTOBER 15-16, 2019

National Academy of Sciences Building
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- [Information Technology and the U.S. Workforce: Where Are We and Where Do We Go from Here?](#) (2017)
- [The Promises and Perils of Digital Strategies in Achieving Health Equity - Workshop Summary](#) (2016)

Compounding Disparities in Health, Education, and Connectivity

[Reaching the Unconnected: Benefits for kids and schoolwork drive broadband subscriptions, but digital skills training opens doors to household internet use for jobs and learning](#)

John Horrigan

Technology Policy Institute, August 2019

["Sickle Cell Disease Still Tends to Be Overlooked"](#)

Aaron Carroll

The New York Times, August 5, 2019

["It's time for a new approach for mapping broadband data to better serve Americans"](#)

John Kahan

Microsoft, April 2019

[Value Added: Adopting a 'Social Determinants of Health' Lens](#)

Anchor Institutions Task Force, March 2019

["A.I. Could Worsen Health Disparities"](#)

Dhruv Khullar

The New York Times, January 31, 2019

["Digital Divide Is Wider Than We Think, Study Says"](#)

Steve Lohr

The New York Times, December 4, 2018

[Opportunity Atlas](#)

[The Public Health Disparities Geocoding Project Monograph](#)

Harvard T.H. Chan School of Public Health

[The Science of Inequality - Special Report](#)

Scientific American, October 16, 2018

["Hidden Algorithms Could Already Be Helping Compute Your Fate"](#)

Ramin Skibba

Fast Company, October 12, 2018

[Connecting Digital and Physical Segregation: Do Online Activity and Social Networks Mirror Residential Patterns?](#)

Joan Wang, Graham MacDonald, Solomon Greene
Urban Institute, February 2018

[Robert Wood Johnson Foundation Culture of Health Blog](#)

[Compounded Disparities: Health Equity at the Intersection of Disability, Race, and Ethnicity](#)

Silvia Yee, Mary Lou Breslin, Tawara D. Goode,
Susan M. Haverkamp, Willi Horner-Johnson, Lisa I.
Iezzoni, Gloria Krah

National Academy of Medicine, June 2016

[Health Inequities, Social Determinants, and Intersectionality](#)

Nancy López and Vivian L. Gadsden

National Academy of Medicine, December 2016

GOVERNMENT-UNIVERSITY-INDUSTRY RESEARCH ROUNDTABLE

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["Racial and Ethnic Disparities in Research Studies: The Challenge of Creating More Diverse Cohorts"](#)

Lindsey Konkel
Environmental Health Perspectives, December 2015

["What Are Health Disparities and Health Equity? We Need to Be Clear"](#)

Paula Braveman
Public Health Reports, Jan-Feb 2014

[Closing the Digital Divide: Latinos and Technology Adoption](#)

Mark Hugo Lopez, Ana Fonzalez-Barrera, and Eileen Patten
Pew Research Center, March 2013

Research, Technology, and Community Engagement to Address Disparities

[Will Technology Transform Education for the Better?](#)

Sophie Shank
Abdul Latif Jameel Poverty Action Lab, 2019

["Role of Health Information Technology in Addressing Health Disparities: Patient, Clinician, and System Perspectives"](#)

Xinzhi Zhang, Benyam Hailu, Derrick C. Tabor, Rachel Gold, Michael H. Sayre, Ida Sim, Beda Jean-Francois, Cheryl A. Casnoff, Theresa Cullen, Vincent A. Thomas, Jr, Ligia Artilles, Kesi Williams, Phuong-Tu Le, Courtney F. Aklin, and Regina James
Medical Care, June 2019

[New Perspectives to Advance Minority Health and Health Disparities Research](#)

American Journal on Public Health, January 2019

[Enabling Opportunities: 5G, the Internet of Things, and Communities of Color](#)

Nicol Turner Lee
Brookings, January 9, 2019

[National Institute on Minority Health and Health Disparities Research Framework](#)

[Reimagining the Role of Technology in Education](#)
Office of Educational Technology, U.S. Department of Education, 2017

["Missed Opportunity? Leveraging Mobile Technology to Reduce Racial Health Disparities"](#)

Rashawn Ray, Abigail A. Sewell, Keon L. Gilbert, and Jennifer D. Roberts
Journal of Health Politics, Policy, and Law, October 1, 2017

["The Ugly Truth About Ourselves and Our Robot Creations: The Problem of Bias and Social Inequity"](#)

Ayanna Howard and Jason Borenstein
Science and Engineering Ethics, September 2017

[5G, Smart Cities, and Communities of Color](#)

Yosef Getachew, Alejandra Montaya-Boyer, and Spencer Overton
Joint Center for Political and Economic Studies, June 2017

["Big Data Science: Opportunities and Challenges to Address Minority Health and Health Disparities in the 21st Century"](#)

Xinzhi Zhang, Eliseo J. Pérez-Stable, Philip E. Bourne, Emmanuel Peprah, O. Kenrik Duru, Nancy Breen, David Berrigan, Fred Wood, James S. Jackson, David W.S. Wong, and Joshua Denny
Ethnicity and Disease, April 2017

["Using Community Based Participatory Research and Human Centered Design to Address Violence-Related Health Disparities among Latino/a Youth"](#)

Maryam Kia-Keating, Diana Capous, Sabrina Liu, and Jessica Adams
Family and Community Health, 2017

[Advancing STEM Diversity](#)

Alfred P. Sloan Foundation, October 2016

["Integrating Social Equity into Urban Transportation Planning: A Critical Evaluation of Equity Objectives and Measures in Transportation Plans in North America"](#)

Kevin Manaugh, Madhav G. Badami, and Ahmed M. El-Geneidy
Transport Policy, 2015

[Leveraging Anchor Institutions for Economic Inclusion](#)

Chris Schildt and Victor Rubin
Sustainable Communities Learning Network, 2015

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[Broadband Technology Opportunities Program Evaluation Study](#)

National Telecommunications and Information
Administration, September 2014

[Automation and Artificial Intelligence: How machines are affecting people and places](#)

Mark Muro, Robert Maxim, and Jacob Whiton
Brookings Metropolitan Policy Program, January 2019

Diversity, Equity, and the Future of Work

["Gender and Race Intersectional Effects in the U.S. Engineering Workforce: Who Stays? Who Leaves?"](#)

Yu Tao and Connie McNeely
*International Journal of Gender, Science, and
Technology*, 2019

["Moving the Needle, Raising Consciousness: The Science and Practice of Broadening Participation"](#)

Connie L. McNeely and Kaye Husbands Fealing
American Behavioral Scientist, 2018

[Google Diversity Annual Report 2018](#)

["Race and Underemployment in the US Labor Market"](#)

Ryan Nunn, Jana Parsons, and Jay Shambaugh
Brookings, August 1, 2019

[The Future of Women at Work: Transitions in the Age of Automation](#)

Anu Madgavkar, James Manyika, Mekala Krishnan,
Kweilin Ellingrud, Lareina Yee, Jonathan Woetzel,
Michael Chui, Vivian Hunt, and Sruti Balakrishnan
McKinsey Global Institute, June 2019

[Racial Differences on the Future of Work: A Survey of the American Workforce](#)

Ismail White and Harin Contractor
Joint Center for Political and Economic Studies, July
2019

["Why America Needs Its HBCUs"](#)

Adam Harris
The Atlantic, May 16, 2019

[Understanding Emerging Technologies, Racial Equity, and the Future of Work](#)

Laurel Smith-Doerr, Shlomo Zilberstein, Tiamba
Wilkerson, Shannon Roberts, Henry Renski, Venus
Green, and Enobong H. Branch
National Science Foundation Workshop Report, May
2019

[Achieving the Promise of a Diverse STEM Workforce](#)

Testimony of Barbara Whye, Chief Diversity and
Inclusion Officer and Vice President of HR, Intel
Corporation Before the U.S. House of
Representatives Committee on Science, Space, and
Technology, May 9, 2019