



THE
HASTINGS
CENTER

Annual Report 2020

A blue surgical mask is superimposed over a view of the Earth from space. The mask covers the lower half of the planet, with the top edge resting on the horizon. The Earth's surface shows continents and clouds, while the background is the dark, star-filled space of the universe.

Ethics for a World in Crisis



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FROM THE PRESIDENT



Mildred Z. Solomon
President and CEO

Dear Friends and Colleagues,

The Covid-19 pandemic locked down most of the world in early 2020 and took 2 million lives by the end of the year. Pandemics create suffering of many kinds. They also reveal longstanding fissures in society. This one showed the vulnerability of communities of color, the homeless, and the incarcerated who were disproportionately struck down. It highlighted the consequences of systemic racism. It exacerbated the political polarization that has been undermining our democratic norms.

As these consequences make clear, pandemics are not only public health crises, but moral ones as well. Policymakers and individuals face enormous ethical choices. How can we allocate scarce resources like ventilators and vaccines to save the most lives, while recognizing the equal moral worth of every individual? More fundamentally, how can we redress structural injustices that result in poorer living conditions for so many millions of our people? What is the right balance between civil liberties and the common good? What does one nation owe the other when it comes to sharing biomedical advances?

The Hastings Center addressed all these questions and more. Our scholars wrote pieces published in major journals like *The New England Journal of Medicine*. We published four guidance resources for health care systems on ethical issues they faced managing Covid-19. The *Hastings Center Report* came out very quickly with a landmark issue in May-June 2020 that includes many essays from health workers reporting on conditions at the frontlines. Our other journal, *Ethics & Human Research*, weighed in on the ethics of Covid-19 vaccine trials, equitable global sharing of the benefits and burdens of vaccine and therapeutic clinical research, and a range of other topics. *Hastings Bioethics Forum*, our blog, was one of the nation's first and most important platforms on ethical issues related to Covid. Read about the many topics explored there on pages 2-7 of this report. In addition to our scholarship and policy guidance, we also launched a series of webinars for the public on the pandemic and on systemic racism. Thousands of people attended. You can view all these online events using the QR codes provided in this report.

Covid-related work was in addition to our heavy load of research studies already under way, which you will see listed on page 16. Every one of our projects continued meeting (virtually) and producing outstanding scholarship.

In the midst of this extraordinary year, The Hastings Center's 50th Anniversary Virtual Gala took place on October 27th. We celebrated the origins of the Center and described our plans for the future, which include a greater emphasis on public engagement and on structural injustice. We honored Andy Adelson and Joshua Boger for their profound importance to the Center. And we announced the conclusion of a very successful leadership phase of our comprehensive campaign, led by Andy Adelson, and the launch of its public phase, now led by John Usdan. See pages 18-19 for all this news.

Please join me in saluting Hastings scholars, staff, board, advisory council members, fellows, donors, and volunteers. Thank you for working together to make these important contributions to a world in crisis.

Sincerely,

A handwritten signature in black ink that reads "Mildred Z. Solomon". The signature is fluid and cursive, with a long, sweeping underline.

Mildred Z. Solomon

JUST AND COMPASSIONATE HEALTH CARE



Long a guiding principle of The Hastings Center's work, achieving just and compassionate health care faced strong headwinds from the pandemic, which exacerbated inequities caused by structural injustice and systemic racism. In 2020, we proceeded with our ongoing pioneering research to address inequities in our aging society and added rapid-response ethics guidance to health care institutions managing Covid-19.

Hastings Rapid Response to Covid-19

The Hastings Center's rapid response to the pandemic took many forms: a series of ethics guidance documents for health care institutions and providers, posts and debates in our blog, a landmark issue of the *Hastings Center Report*, and a new series of public-facing webinars viewed by a large worldwide audience. This work was made possible by the Impact Fund at The Hastings Center, created with a major gift from The Patrick and Catherine Weldon Donaghue Medical Research Foundation and the Rice Family Foundation.

A Landmark Issue on Two Landmark Issues

The May-June 2020 *Hastings Center Report* was a landmark—by far the largest issue of the journal, made available for free. The issue was devoted to two landmark issues that are connected: the pandemic and structural injustice.

“The Covid-19 pandemic has highlighted connections between health and social structural phenomena that have long been recognized in bioethics but have never really been front and center—not just access to health care, but fundamental conditions of living that affect public health, from income inequality to political and environmental conditions,” wrote Gregory Kaebnick, editor of the *Report*, and Laura Haupt, the managing editor. Read the entire *Hastings Center Report* issue by scanning the QR code.



Hastings Center Produces Timely Covid Ethics Guidance for Health Care Institutions

Hastings Center research scholar Nancy Berlinger convened a national team of health care experts to produce three timely guidance documents for health care institutions to use when making difficult decisions about scarce resource allocation during the pandemic. This rapid-response work was made possible by the Impact Fund at The Hastings Center.



Impact: The American Bar Association used these resources to inform hospital counsel and other attorneys working in health care. The Greater New York Hospital Association shared the resources with hospital leadership in New York City. Major media outlets, including the *New York Times* and *Politico*, cited the resources. Scan the QR code to access them for free on The Hastings Center's website.

March 16, 2020: Ethical Framework for Health Care Institutions Responding to Novel Coronavirus SARS-CoV-2 (Covid-19); Guidelines for Institutional Ethics Services Responding to Covid-19.

This was one of the initial efforts to guide frontline health care professionals through the public health crisis, just as Covid-19 was overwhelming many U.S.



Hastings Guidance Responds to the Pandemic

MARCH 2020

- 509,164 cases and 23,335 deaths from Covid-19 worldwide
- Many U.S. hospitals are overwhelmed with Covid patients, facing the need to fairly decide which patients receive life-sustaining treatment.

APRIL 2020

- 1,914,916 cases and 123,071 deaths from Covid-19 worldwide
- The U.S. has a nationwide shortage of personal protective equipment.

JULY 2020

- 12,552,765 cases and 561,617 deaths from Covid-19 worldwide
- The U.S. has a national shortage of drugs needed for palliative care and drugs used experimentally to treat Covid.

hospitals. This resource included an ethical framework to structure real-time discussion of ethical concerns arising under contingency levels of care and potentially crisis standards of care as well as guidelines to help hospital ethics committees and clinical ethics consultation services quickly support clinicians providing care amid severe resource limitations.

April 29, 2020: Responding to Covid-19 as a Regional Public Health Challenge: Preliminary Guidelines for Regional Collaboration Involving Hospitals

This supplement to the Ethical Framework was for hospitals and other health care organizations serving the same geographic region, as well as state and regional hospital associations, state medical societies, and public health authorities. Included were coordinated efforts to promote equity in the allocation of personal protective equipment and creation of a resource allocation system for hospital and intensive care beds that could be activated when one health care system within the region is nearing capacity.

July 16, 2020: Access to Therapeutic and Palliative Drugs in the Context of Covid-19: Justice and the Relief of Suffering

This document responded to the drug shortages that occurred during the pandemic, described the symptom relief needs of Covid-19 patients and the ethical mandate to provide palliative care during public health emergencies, and identified ethical challenges in the allocation of new or experimental therapeutic drugs used in the treatment of Covid-19 patients.

Urgent Call for Federal Action to Fight Covid-19

In March, The Hastings Center sent an urgent letter to Congress and the White House, imploring the U.S. government to immediately use its federal power and funds to respond to the Covid-19 pandemic as a matter of moral imperative. The petition was developed by Mildred Solomon, President of The Hastings Center, and Lawrence Gostin, a Hastings fellow and director of the O'Neill Institute for National and Global Health Law at Georgetown University. Nearly 1,400 of the nation's most prominent bioethicists and health leaders signed the letter.

The letter called for five immediate federal actions:

- Ensure the manufacture and distribution of needed supplies.
- Commit to payment for Covid-19 care and treatment.
- Provide sick leave for all.
- Protect the vulnerable, including prisoners and people in detention centers.
- Build a comprehensive, trustworthy communication strategy.

It was presented to all relevant Congressional committees and to the White House Coronavirus Task Force, headed by then Vice President Mike Pence.

Hastings Bioethics Forum: **An International Hub of Topical Issues and Ideas**

Hastings Bioethics Forum, our blog, cemented its reputation as the place to discuss the ethical challenges in the pandemic. The *Forum* took the lead in drawing attention to ethical question raised by the virus weeks before it even had a name. The first post appeared on January 31, 2020, written by two Hastings Center fellows in China, Ruipeng Lei and Renzong Qiu: “Report from China: Ethical Questions on the



Response to the Coronavirus.” It was one of the most widely read articles we have ever published, with 42,664 page views. Many of the more than 100 essays posted on the pandemic in 2020 garnered media coverage. Visit the *Forum* by scanning the QR code at left. Read individual articles by scanning the QR codes below.

A Covid-19 Sampler from *Hastings Bioethics Forum*



**Report from China:
*Ethical Questions on the Response to the
Coronavirus***



**Chinese Bioethicists:
*Silencing Doctor Impeded Early Control of
Coronavirus***



**Confronting Disability Discrimination during
the Pandemic**



On Being an Elder in a Pandemic



**Structural Racism, White Fragility, and
Ventilator Rationing Policies**

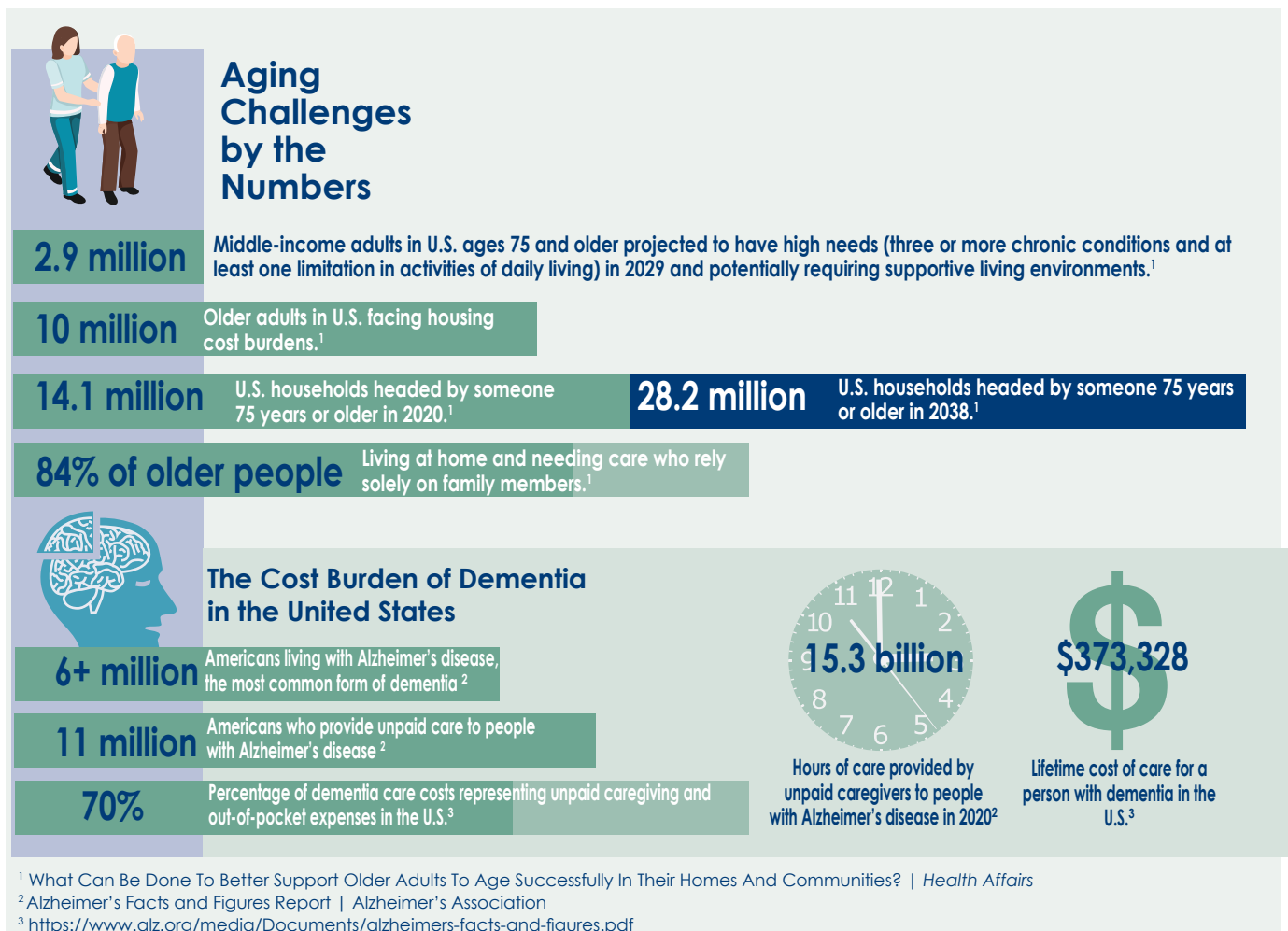


**Covid-19 Makes Clear that Bioethics
Must Confront Health Disparities**



Addressing Inequities in Aging

The Hastings Center has been doing trailblazing work to address the experience of aging at the population level. The United States is an aging society, as the accompanying infographic shows. Aging in America is also profoundly unequal. Whether an older person can age in place, with the necessary services and supports, depends largely on social determinants, including the amount of wealth accumulated throughout one's life. These social factors demand social solutions, which is why The Hastings Center is examining the role of housing, the built environment, social spending, and the role of the private sector and community members in design planning and decisions. By bringing diverse experts together The Hastings Center aims to reduce disparities and improve the experience of aging. The work is led by Hastings Center research scholar Nancy Berlinger and Hastings President Mildred Solomon. It is made possible by a generous grant to The Hastings Center from The Robert W. Wilson Charitable Trust as part of its visionary support for the Center's research and public engagement on ethical challenges facing aging societies.





Writing in the *New England Journal of Medicine*, Hastings Center President Mildred Solomon and two Hastings Center fellows, Matthew K. Wynia and Lawrence O. Gostin, addressed concerns that crisis triage protocols aimed at allocating scarce health care resources to save the most lives could be biased against people with disabilities. Their article demonstrates that triage protocols can both save lives and protect core values, such as the equal moral worth of all people.

“Discrimination against the disabled in health care is well documented, so it behooves us to ensure that triage protocols do all they can to avoid bias,” they write. “At the same time, responsible health systems and health leaders do the nation a service by anticipating the potential, tragic need for these protocols and working to design them as responsibly as possible.” To read the article, scan the QR code.



Physicians Honored for Exemplary End-of-Life Care

The Hastings Center Cunniff-Dixon Physician Awards recognize physicians who provide outstanding care to patients who are nearing the end of their lives. In 2020, awards totaling \$95,000 were given to senior, mid-career, and early-career physicians who advance the practice of palliative and hospice care. The Hastings Center salutes Andy Baxter and the Cunniff-Dixon Foundation for supporting these awards. Learn more by scanning the QR code.



(l. to r.): Claire Ankuda, Ichan School of Medicine at Mt. Sinai in New York City (early-career award); Katherine Brock, Emory University School of Medicine and Children's Healthcare of Atlanta (early-career award); Julie Wilson Childers, UPMC Presbyterian Hospital in Pittsburgh (mid-career award); Rodney O. Tucker, University of Alabama at Birmingham (senior award); and Meaghann Weaver, Children's Hospital and Medical Center and the University of Nebraska Medical Center in Omaha (early-career award)

The Hastings Center salutes Andy Baxter and the Cunniff-Dixon Foundation for supporting these awards.

PUBLIC EVENTS TO INFORM AND ENGAGE



The Hastings Center developed a number of activities to inform and engage the public on ethical questions related to the pandemic and on addressing structural injustice and systemic racism. These activities included public events attended by thousands, expanding the reach of the Center in ways never previously done. This work was made possible by the Impact Fund at The Hastings Center, created with a major gift from The Donaghue Foundation.

Re-opening the Nation: *Hastings Conversations* Series

As questions grew about reviving the economy during the pandemic, The Hastings Center conceptualized a series of *Hastings Conversations* online events called



“Re-opening the Nation.” Each of the events featured leading experts on a selected topic in conversation with Hastings Center President Mildred Solomon. These events drew thousands of people from around the world. To watch the webinars, please scan the QR code.



Danielle Allen, Ezekiel Emanuel, and Mildred Solomon

What Values Should Guide Us?

On April 21, Ezekiel Emanuel, Vice Provost for Global Initiatives at the University of Pennsylvania and a Hastings Center fellow, and Danielle Allen, director of Harvard’s Edmond J. Safra Center for Ethics, discussed the values that should guide easing pandemic restrictions, including public health, economic well-being, and respect for civil liberties. They agreed that re-opening the nation would require that we do much more testing and do it different—specifically, expanding testing criteria to include asymptomatic people, who may be contagious.

Privacy, Surveillance, and Digital Tools for Contact Tracing

On May 18, Ed Felten, of Princeton University, who is a former U.S. chief technology officer, and Ryan Calo, co-director of the Tech Policy Lab at the University of Washington, discussed the potential benefits of apps to supplement human-to-human contact tracing, but they called for safeguards to protect people’s privacy, including constructing the apps so that they can deactivate themselves by a set date.



Ed Felten, Ryan Calo, and Mildred Solomon





This animation was designed to reach our growing public audience. Watch it here.



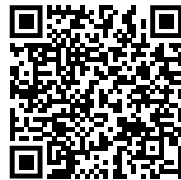
Should We Turn to Immunity Testing?

On May 28, Françoise Baylis, a bioethicist at Dalhousie University; Dakota Gruener, executive director of ID2020 Alliance; and Gigi Gronvall, a senior scholar at the Johns Hopkins Center for Health Security, expressed concern that companies were racing ahead with the creation of digital immunity tools before their accuracy was demonstrated and without considering ethical questions, such as how to ensure that the tools wouldn't create "immunity haves and have-nots."



Françoise Baylis, Dakota Gruener, and Gigi Gronvall

Securing Health in a Troubled Time



As protests erupted across the nation during the summer of 2020, Hastings Center President Mildred Solomon issued a statement challenging the field of bioethics, and committing the Center, to focus on structural injustice, health inequities, and systemic racism. Scan the QR code at left to read Solomon's statement.

In keeping with this pledge, The Hastings Center took a number of actions. The first of them was a series of webinars, **"Securing Health in a Troubled Time: Equity, Ethics, and the Common Good,"** to explore urgent questions, including: How can we capture the opportunity to redress longstanding injustice and build a more equitable society? To watch the webinars, scan the QR code at right.



Alondra Nelson Envisions a "Braver Bioethics"

On June 4, The Hastings Center featured Hastings Center fellow Alondra Nelson, a professor at the Institute of Advanced Study in Princeton, who explores questions of science, technology, and social inequality. Nelson envisioned a "braver bioethics" that considers ethical principles like beneficence and justice in addressing racial justice and other contemporary social, technical, and political issues. (Nelson was later named by President Joe Biden to be deputy director for science and society in the Office of Science and Technology Policy.)



Mildred Solomon, Richard Besser, and Herminia Palacio

Health Equity, Racism, and This Moment in Time

On August 13, Richard Besser, President of The Robert Wood Johnson Foundation, and Herminia Palacio, President of The Guttmacher Institute, discussed calls to action to account for and mitigate racist policies and inequities in health and life expectancy between Black and white Americans. They agreed that action begins with widening the lens from “distributional justice”—making sure that scarce resources are equitably distributed—to include structural injustice, the ways in which our society is organized to create impediments to all people achieving health and well-being.



Anthony Fauci and Mildred Solomon

Public Trust in Science

On November 19, Anthony Fauci participated in a “fireside chat” on the ethical issues raised by the erosion of trust in science. “You’re one of the most trusted experts in this country. What do you think accounts for that?” Hastings Center President Mildred Solomon asked him. Fauci said: he bases his work on solid evidence, he is transparent, he is not aligned with any ideology or political position, and when he doesn’t know the answer to a question, he says so. This event was supported by the Gil Omenn & Martha Darling Fund for Trusted and Trustworthy Scientific Innovation and the John S. and James L. Knight Foundation.



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WISE USE OF TECHNOLOGY



As artificial intelligence extends its reach into health care, we extended our examination of its ethical implications, with additional research expertise and public engagement. We also explored the implications of genetics research for equity and continued our events series on the complicated relationship between people with disabilities and technology.

Can AI Reduce Inequity and Improve Empathy in Medicine?

Artificial intelligence has the potential to reduce inequities in health care and even help restore empathy to the doctor-patient relationship—if, and only if, key ethical barriers are addressed and opportunities grasped. That was the overarching message of Eric Topol, the keynote speaker at The Hastings Center’s 50th anniversary gala in October. (For more on the gala see page 18.) Topol is the founder and director of the Scripps Research Translational Institute and author of *Deep Medicine: How Artificial Intelligence Can Make Health Care Human Again*. In a conversation with Hastings Center President Mildred Solomon, Topol emphasized two points. AI can reduce inequities by making state-of-the-art diagnostic technology available to people who otherwise would



not have access to it, including people living in low- and middle-income countries and poor people in wealthy countries. And the greatest promise of AI in medicine is to restore empathy to the doctor-patient relationship by enabling doctors to spend more time with patients who need it. Scan the QR code to watch.

Genomics and Inequality

Genomics is crowding out ways of reducing inequality, has thwarted medicine from advancing justice, and is creating new forms of social classification and surveillance. These are key messages of *For “All of Us”? On the Weight of Genomic Knowledge*, a Hastings Center special report published in June. Produced under The Hastings Center’s Initiative in Bioethics and the Humanities, supported by the National Endowment for the Humanities and private donors, it was co-edited by Hastings



senior research scholar, Erik Parens, and Joel Michael Reynolds, the inaugural Rice Family Fellow in Bioethics and Humanities at The Hastings Center who is now a Hastings senior adviser and an assistant professor at Georgetown University. To read the report, scan the QR code.



Hastings Expands Expertise in AI and Digital Health



The Hastings Center committed to expanding work on ethical issues raised by artificial intelligence and digital health more broadly.

Diane Korngiebel (*top*) joined the staff as a research scholar. Her work explores the ethics of using AI in health care delivery and research, the potential and limitations of Big Data science, and appropriate (and inappropriate) design and deployment of digital health applications.



Gretchen Greene (*bottom*) was named a senior advisor. Greene, a lawyer, is an internationally recognized expert on face and emotion recognition and on AI policy and ethics. Her broad, multi-industry and government experience includes technical, legal, and policy work for the U.S. and U.K. governments.

The Art of Flourishing: Conversations on Disability

The Art of Flourishing: Conversations on Disability is a series of six public events, running through 2021, that explores the special, and sometimes fraught, relationship between people with disabilities and technology. Some technologies enable people with disabilities to work, create, communicate, and navigate in ways that would otherwise be impossible. But technologies can also be stigmatizing and promote “ableist” biases. Each event includes artists, writers, or scholars who have disabilities and discuss their decisions to use, or not to use, particular technologies.

The events, supported by the National Endowment for the Humanities, are organized under the direction of Erik Parens, with Joel Reynolds and Liz Bowen, the 2020-2021 Rice Family Postdoctoral Fellow in Bioethics and the Humanities at The Hastings Center. Rosemarie Garland-Thomson, a senior advisor and Hastings Center fellow, is the chief project advisor.

Two virtual events took place in 2020. Scan the QR code to watch.



Navigating: On Disability, Technology, and Experiencing the World

*What does it take to move through the world with a disability? Scholars and activists **Yomi S. Wrong, Rod Michalko, and Kin Q. Hall** told personal stories about their experiences with different technologies to aid with navigation.*

***Artistic Visions for Disrupting Ableism**
What will it take to bring about lasting justice for disabled people in the United States? When will every body—and every voice—be indispensable? Poets and activists **Lateef McLeod** and **D.J. Savarese** imagine a society led by people with disabilities and show how disabled communities are already building this world through creative forms of resistance.*



Two New Senior Advisors on Disability Justice

The Hastings Center named two senior advisors on disability justice in 2020.



Rosemarie Garland-Thomson is a disability justice and culture thought leader, bioethicist, and humanities scholar. Her 2016 op-ed, “Becoming Disabled,” was the inaugural article in the ongoing weekly series in the *New York Times* about disability by people living with disabilities. She is co-editor of *About Us: Essays from the New York Times about Disability by People with Disabilities* (2019) and the author of *Staring: How We Look* and several other books. Garland-Thomson is also a Hastings Center fellow.

Joel Michael Reynolds is an assistant professor of philosophy and disability studies at Georgetown University and the founder of the *Journal of Philosophy of Disability*. His research and public engagement center on foundational issues concerning ethics, society, and embodiment. Reynolds was The Hastings Center’s inaugural Rice Family Postdoctoral Fellow in Bioethics and the Humanities.



(l. to r.) Elena Di Rosa, Annette Zimmermann, and Hochan Kim

ROSCOE AWARD WINNING ESSAY: Technology Can’t Fix Algorithmic Injustice

The winner of The Hastings Center’s 2020 David Roscoe Award for an Early-Career Essay on Science, Ethics, and Society was “Technology Can’t Fix

Algorithmic Injustice,” by Annette Zimmermann, of University of York, U.K., and Elena Di Rosa and Hochan Kim, both students at Princeton, published in the *Boston Review*. It explores biases and other ethical questions posed by the algorithms used in artificial intelligence systems and calls for “greater democratic oversight of AI not just from developers and designers, but from all members of society.” The award is named in honor of David Roscoe, a past chair of The Hastings Center’s board and current head of the advisory council.

THE HUMAN LIFESPAN

- Aging at Home Alone with Alzheimer's and Related Dementias: Ethical Considerations for Inclusion • Nancy Berlinger (National Institutes of Health under subcontract from University of Maryland-Baltimore County)
- Aging Societies Report Implementation • Nancy Berlinger (Robert W. Wilson Charitable Trust)
- Dementia and the Ethics of Assisted Dying • Nancy Berlinger and Mildred Solomon (Robert W. Wilson Charitable Trust)

HEALTH AND HEALTH CARE

- All of Us Research Program: Barriers to Caring for Patients with Clinically Actionable Genetic Findings that Require Medical Attention • Carolyn P. Neuhaus (National Institutes of Health/National Human Genome Research Institute)
- Big Data in Health Care: Building an Ethics Framework for Biomedical Data Modeling • Diane Korngiebel (National Institutes of Health/National Human Genome Research Institute)
- Covid Ethics Resources: Ethical Framework for Health Care Institutions Responding to Novel Coronavirus SARS-CoV-2 (Covid-19); Guidelines for Institutional Ethics Services Responding to Covid-19; Responding to Covid-19 as a Regional Public Health Challenge: Preliminary Guidelines for Regional Collaboration Involving Hospitals; and Access to Therapeutic and Palliative Drugs in the Context of Covid-19: Justice and the Relief of Suffering • Nancy Berlinger (Impact Fund at The Hastings Center)
- Learning from Housing-Focused Covid-19 Response: Actionable Policies and Practices to Support Equitable Aging in Community • Nancy Berlinger (Retirement Research Foundation under subcontract from Harvard University)
- Physicians' Moral Stress During COVID-19: A Qualitative Analysis of Systems Factors • Nancy Berlinger (Greenwall Foundation under subcontract from University of North Carolina)
- Reviewing the Literature on Trust and Health: An agenda for Research and Policy • Mildred Solomon (American Board of Internal Medicine Foundation)
- Surprise Billing and the Erosion of Trust in American Health Care: Professionalism Can Help Us • Mildred Solomon (The Donaghue Foundation and the American Board of Internal Medicine Foundation)
- Understanding "Engagement" in the All of Us Research Program • Carolyn P. Neuhaus (National Institutes of Health/National Human Genomic Research Institute)

SCIENCE AND TECHNOLOGY

- Actionable Ethics Oversight for Human-Animal Chimera Research • Josephine Johnston and Karen Maschke (National Institutes of Health/National Human Genome Research Institute)
- Center for ELSI Resources and Analysis (CERA) • Josephine Johnston (National Institutes of Health/National Human Genome Research Institute under subcontract from Stanford University and Columbia University Medical Center)
- Center for Research on the Ethical, Legal and Social Implications of Psychiatric, Neurologic and Behavioral Genetics • Erik Parens and Josephine Johnston (National Institutes of Health under subcontract from Columbia University Medical Center)
- Development of Recommendations and Policies for Genetic Variant Reclassification • Erik Parens (National Institutes of Health under subcontract from Columbia University)
- Individualized Therapies for Genetics Disorders: Societal, Ethical, Regulatory, and Conceptual Challenges • Josephine Johnston (National Institutes of Health under subcontract from Columbia University Medical Center)
- Patient-Centered Cancer Genome Sequencing Education and Decision Support • Sarah McGraw (American Cancer Society under subcontract from City of Hope)
- Scalable Tools to Effectively Translate Genomic Discoveries into the Clinic • Sarah McGraw (National Institutes of Health under subcontract from City of Hope)
- The Art of Flourishing: Conversations on Disability • Erik Parens (National Endowment for the Humanities)
- Wrestling with Social and Behavioral Genomics: Risks, Potential Benefits, and Ethical Responsibility • Erik Parens (Russell Sage Foundation and Robert Wood Johnson Foundation)

ENVIRONMENT

- Public Deliberation on Gene Editing in the Wild • Gregory E. Kaebnick (National Science Foundation)

EDUCATION

- CUHK-Hastings Center Scholarly Exchange • Nancy Berlinger (Edgar Cheng)
- How Should the Public Learn? Reconstructing Common Purpose for a Democracy in Crisis • Mildred Solomon, Bruce Jennings, and Gregory Kaebnick (John S. and James L. Knight Foundation)

OUR TEAM

Research

Mildred Z. Solomon, *President & CEO*

Nancy Berlinger, *Research Scholar*

Isabel Bolo, *Senior Project Manager and Research Assistant*

Liz Bowen, *Rice Family Fellow in Bioethics and the Humanities*

Faith E. Fletcher, *Senior Advisor*

Rosemarie Garland-Thomson, *Senior Advisor*

Rosemary Gibson, *Senior Advisor*

Gretchen Greene, *Senior Advisor*

Michael K. Gusmano, *Research Scholar*

Bruce Jennings, *Senior Advisor*

Josephine Johnston, *Director of Research, Research Scholar*

Gregory E. Kaebnick, *Editor, Hastings Center Report;*
Research Scholar

Diane M. Korngiebel, *Research Scholar*

Karen J. Maschke, *Research Scholar; Editor, Ethics & Human Research*

Lucas J. Mathews, *Postdoctoral Researcher*

Sarah McGraw, *Research Methodologist*

Thomas Murray, *President Emeritus*

Carolyn P. Neuhaus, *Research Scholar*

Danielle Pacia, *Project Manager and Research Assistant*

Erik Parens, *Senior Research Scholar*

Joel Michael Reynolds, *Senior Advisor*

Wendell Wallach, *Senior Advisor*

Benjamin Wills, *Senior Project Manager and Research Assistant*

Hastings Center Advisory Council

The Advisory Council is made up of leaders in medicine, law, economics, public policy, and business whose purpose is to provide guidance about how best to ensure the impact of our work, particularly in the public square. The Hastings Center benefits enormously from the input of our Advisory Council, chaired by David Roscoe, whose highly accomplished members are invaluable participants in the Hastings community.

For more information on the Hastings Center Advisory Council, visit www.thehastingscenter.org/who-we-are/our-team/advisory-council/

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Siofra Vizzi, *Manager of Individual Giving and Special Events*

Carol Wood-Nutter, *Director of Grants Management*

2020 Hastings Center Fellows

The Hastings Center welcomed 14 new Fellows in 2020:

James M. DuBois, PhD, DSc

Jacqueline J. (Jackie) Glover, PhD

Kenneth W. Goodman, PhD, FACMI, FACE

Scott D. Halpern, MD, PhD, MBE

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Kenneth M. Ludmerer, MD

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Vardit Ravitsky, PhD

Jennifer Prah Ruger, PhD

Jackie Leach Scully, PhD

James A. Tulsky, MD

For more information on our Fellows, visit www.thehastingscenter.org/who-we-are/our-team/hastings-center-fellows/

The Hastings Center

The Hastings Center's 50th Anniversary Virtual Gala, held on October 27, commemorated 50 years of Hastings Center impact in bioethics. The gala honored Andrew Adelson and Joshua Boger for their profound importance to The Hastings Center. "They have been generous and prescient in their support for expanding our capacity both to advance highly relevant bioethics research and to educate and engage the public about those issue," said Hastings Center President Mildred Solomon. "It is no coincidence that these goals are the core objectives motivating our campaign." The gala marked the public launch of The Hastings Center's 50th Anniversary Comprehensive Campaign, which will set the Center's trajectory for years to come.

Honorees

"The Hastings Center's seminal work on disability was indispensable to me as I wrote Far from the Tree. The Center's work illuminated the tensions that can arise between nondisabled parents and disabled children, and revealed the means to welcome children with disabilities and to eradicate the social discrimination they face.

—Andrew Solomon

Author of *Far from the Tree: Parents, Children, and the Search for Identity*; past President of PEN American Center; and Professor of Clinical Psychology, Columbia University



ANDREW ADELSON

Adelson has an impressive reputation for building organizations and helping them reach their full potential. Currently a member of The Hastings Center's Advisory Council, he contributed his vision and expertise for 12 years as a member of the Board of Directors. He also spearheaded the leadership phase of The Hastings Center's 50th Anniversary Comprehensive Campaign. In these capacities, Andy has continuously driven change at the Center and strengthened its communications capacities and financial security. The Center's growing public impact and ever-enlarging audiences are a direct consequence of Andy's insights, leadership, and determination.



JOSHUA BOGER, PHD

Joshua Boger is a visionary scientist, entrepreneur, artist and change agent who has championed the mission of The Center for many years. First, as a longtime board member and more recently as a sounding board, encouraging friend, and generous spirit. Deeply committed to rigorous scholarship, Boger has enabled the Center to recruit world-class bioethics scholars and to develop policy recommendations on a wide range of ethical questions related to emerging biotechnologies.

Keynote Speaker



ERIC TOPOL

Eric Topol, the founder and director of the Scripps Research Translational Institute and author of *Deep Medicine: How Artificial Intelligence Can Make Health Care Human Again*, gave the keynote address on the ways in which AI can reduce inequity and improve empathy in medicine, followed by a discussion with Hastings President Mildred Solomon. (For more on his talk, see page 13.)

50th Anniversary Gala



The Hastings Center's 50th Anniversary Comprehensive Campaign



This leadership phase of the campaign, from January 1, 2019 until October 27, 2020, was chaired by Andrew Adelson. The gala marked the end of the leadership phase and the beginning of the public phase of the campaign, which is being chaired by John Usdan (*left*), a member of the Board of Directors, and will run until December 31, 2023. As of the gala, \$10.2 million had been raised toward the \$12.5 million goal.

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"Since its founding, The Hastings Center has never shied away from the toughest ethical topics faced by society. Through the careful deliberations of its wise experts, The Hastings Center continues to contribute reason and reflection to our most challenging discussions. I am pleased to extend my warm wishes to you on your 50th anniversary."

—Francis S. Collins

Director, National Institutes of Health; physician-geneticist noted for his landmark discoveries of disease genes and his leadership of the international Human Genome Project, which culminated in April 2003 with the completion of a finished sequence of the human DNA instruction book

The Hastings Center is deeply grateful for the generous contributions of its many donors, whose philanthropy significantly advanced the Center's work in 2020.

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Why I Give: Peter Canellos

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"Benefactors make substantial gifts for a host of reasons. Some are personal: the school that provided a quality education that was the foundation for success; a recognition that a particular museum, cultural organization or park has provided life-long solace and enjoyment. Then there are those gifts that the benefactor feels absolutely compelled to support. Hastings for me falls into this second category. Once I became immersed in the spectacular work of Hastings in areas so important to modern life, work undertaken by a supremely gifted and devoted staff, I felt it my duty to support financially and through participation on The Hastings Center's Board."

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Gil Omenn & Martha Darling Initiative for Trusted and Trustworthy Scientific Innovation



Preeminent science researcher and science policy expert Gilbert S. Omenn, MD, Ph.D., and his wife, Martha A. Darling, made a major gift in support of trusted and trustworthy scientific innovation at The Hastings Center. The fund will underwrite research to ensure that cutting-edge technologies are evidence-based, user-centered, and designed and deployed in ethically justifiable ways, including attention to privacy, bias and discrimination, fair access to benefits, and impact on human relationships. "This is a critical time for confronting the lack of trust in science," said the Center's President Mildred Z. Solomon, "and this fund will transform our ability to address one of society's most pressing issues."

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Why I Give: John Usdan

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"Through Hastings' brilliant scholars and scholarship, the ethical issues of health, science, and technology that we, as a society, should be thinking about, debating, and taking action to confront are brightly illuminated. Too often, the difficult ethical issues of the end of life, equitable distribution of health care, and defining the boundaries of science and technology are eliminated and conveniently forgotten. Hastings has both the courage and the strength of its conviction to remind all of us how important being proactive about our societal challenges is to our collective outcome and survival. This is why I support Hastings."

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"My family and I believe that The Hastings Center provides critical guidance on how to think, and act, on some of the most important, and now most pressing, bio-ethical issues of our time. We could not be more proud to support the Center."

Why I Give: Bradford H. Gray, PhD

Hastings Center Board Chair

"Though a long-time Hastings Center fellow, I did not fully appreciate before joining the board in 2017 how essential contributions from individual donors are to the Center's work. Our supporters have long recognized the Center's unique role in the field of bioethics and its application to policy challenges arising from developments in medicine and science. The Hastings Center's 50th Anniversary Campaign provides an especially good opportunity for our friends to provide valuable support that is critical to the Center's future."

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Beneficence Society

As we celebrated our 50th anniversary and publicly launched the comprehensive campaign, we also created and announced The Beneficence Society, our planned giving society. Identification and recruitment of charter members—generous supporters who have included The Hastings Center in their estate planning—began in fall 2020. Additional details on this program and its impact are available by scanning the QR code.



STATEMENT OF FINANCIAL POSITION

As of December 31, 2020

Draft Audit 2020*

Assets

| | |
|---|-------------------|
| Cash and Equivalents | 876,639 |
| Investments, at fair value | 9,859,519 |
| Receivables (grants and other) | 4,387,616 |
| Other Assets | 104,284 |
| Furniture and Equipment (net of accumulated dep) | 29,391 |
| Leasehold Improvements (net of accumulated amort) | 853,486 |
| Total Assets | 16,110,935 |

Liabilities and Net Assets

| | |
|---|-------------------|
| Payables and Accruals | 102,343 |
| Deferred Compensation Payable | 170,599 |
| Deferred Revenue | 87,568 |
| Total Liabilities | 360,510 |
| Net Assets | 15,750,425 |
| Total Liabilities and Net Assets | 16,110,935 |

Statement of Activities and Changes in Net Assets

Operating revenues and other support:

| | |
|---|------------------|
| Grants, Gifts, and Contributions | 3,264,273 |
| Government Grants | 1,132,852 |
| Publication Revenue | 339,031 |
| Other income | 88,069 |
| Total Unrestricted Operating Support and Revenue | 4,824,225 |

Operating Expenses:

| | |
|--------------------------------|------------------|
| Program Services | 3,322,744 |
| Management and General | 556,464 |
| Fundraising | 555,046 |
| Total Operating Expense | 4,434,254 |

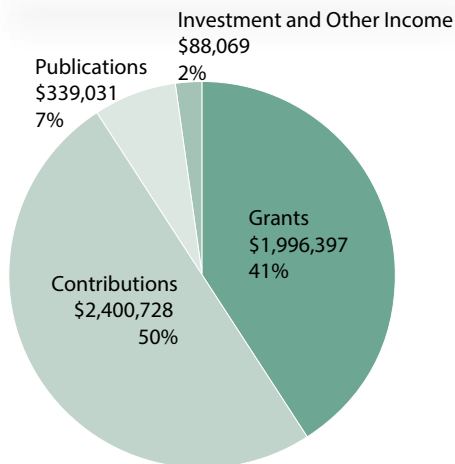
| | |
|---------------------------------------|------------------|
| Changes in Net Assets from Operations | 389,971 |
| Non-operating Income | 1,451,452 |
| Change in Net Assets | 1,841,423 |

| | |
|--------------------------------------|-------------------|
| Net Assets, Beginning of year | 13,909,002 |
|--------------------------------------|-------------------|

| | |
|--------------------------------|-------------------|
| Net Assets, End of year | 15,750,425 |
|--------------------------------|-------------------|

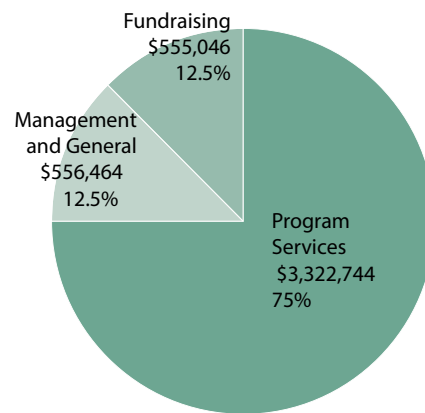
Operating Revenue and Support

For the year ended 12/31/20 = \$4,824,225



Operating Expenses

For the year ended 12/31/20 = \$4,434,254



*This is a draft-audit financial statement. Hastings' audited financials will be available on the Center's website after mid-June 2021.

The Hastings Center addresses fundamental ethical and social issues in health care, science, and technology. Through our scholars' writing and speaking, and through the work of the many other people who participate in our projects or submit articles to our publications, we shape ideas that influence key opinion leaders, including health policy-makers, regulators, lawyers, legislators, and judges. Our analyses also deeply influence professional practice: from end-of-life care to psychiatry to immigrant health care, we have helped to shape the standards of practice adopted by physicians, nurses, and lawyers. Founded in 1969 by philosopher Daniel Callahan and psychiatrist Willard Gaylin, The Hastings Center is the oldest independent, nonpartisan, interdisciplinary research institute of its kind in the world.

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To obtain a copy of The Hastings Center's complete financial statement for 2020, please write to:

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