



Centers for Disease Control
and Prevention (CDC)
Atlanta GA 30333

July 15, 2020

Sent Via Email

Allison Lucas
Siri & Glimstad
200 Park Ave
17th Floor
New York, NY 10166
Email: foia@sirillp.com

Dear Ms. Lucas:

This letter is regarding to your Centers for Disease Control and Prevention and Agency for Toxic Substances and Disease Registry (CDC/ATSDR) Freedom of Information Act (FOIA) request of February 14, 2020, assigned #20-00626-FOIA (copy of request enclosed).

We located 563 pages of responsive records (552 pages released in full and 11 pages are withheld in part). After a careful review of these pages, some information was withheld from release pursuant to 5 U.S.C. §552 Exemption (b)(6).

EXEMPTION 6

Exemption 6 protects information in personnel and medical files and similar files when disclosure would constitute a clearly unwarranted invasion of personal privacy. The information that has been withheld under Exemption 6 consists of personal information, such as identification number to access a link, and names of private citizens. We have determined that the individuals to whom this information pertains has a substantial privacy interest in withholding it.

Please select the link below to obtain copies of your records (download access is open for 30 days).

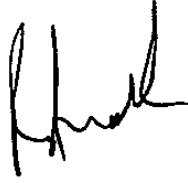
<https://centersfordiseasecontrol.sharefile.com/d-sbef035a5a3d48aeb>

You may contact our FOIA Public Liaison at 770-488-6277 for any further assistance and to discuss any aspect of your request. Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. The contact information for OGIS is as follows: Office of Government Information Services, National Archives and Records Administration, 8601 Adelphi Road-OGIS, College Park, Maryland 20740-6001, e-mail at ogis@nara.gov; telephone at 202-741-5770; toll free at 1-877-684-6448; or facsimile at 202-741-5769.

If you are not satisfied with the response to this request, you may administratively appeal by writing to the Deputy Agency Chief FOIA Officer, Office of the Assistant Secretary for Public Affairs, U.S. Department of Health and Human Services, Hubert H. Humphrey Building, 200 Independence Avenue,

Suite 729H, Washington, D.C. 20201. You may also transmit your appeal via email to FOIARequest@psc.hhs.gov. Please mark both your appeal letter and envelope "FOIA Appeal." Your appeal must be postmarked or electronically transmitted by October 14, 2020.

Sincerely,

A handwritten signature in black ink, appearing to read 'Roger Andoh', with a stylized, cursive script.

Roger Andoh
CDC/ATSDR FOIA Officer
Office of the Chief Operating Officer
Phone: (770) 488-6399
Fax: (404) 235-1852

Enclosures

#20-00626-FOIA

From: NASEM Forum on Public-Private Partnerships for Global Health and Safety
Sent: 7 Jun 2019 19:33:56 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Agenda Available: Health-Focused Public-Private Partnerships in the Urban Context | June 13-14, 2019

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Health-Focused Public-Private Partnerships in the Urban Context: A Workshop

WHEN: June 13, 2019: 9:00 AM - 5:00 PM
June 14, 2019: 9:00 AM - 12:00 PM

WHERE: The National Academy of Sciences Building
Lecture Room
2101 Constitution Avenue NW
Washington, DC 20418

The National Academies' [Forum on Public-Private Partnerships for Global Health and Safety](#) is convening a 1.5-day workshop to examine the Health-Focused Public-Private Partnerships in the Urban Context.

The purpose of this workshop is draw attention to the health determinants and inequities of populations living in urban environments and the challenges faced in establishing urban population health. It will also illuminate some of the intervention strategies that have been designed to attenuate these urban health issues and will highlight the importance of public-private partnerships and the role of urban level governance in such remediation efforts.

Through facilitating discussion from those in both the public and private sector, as well as those in positions of governance, it will set the platform to share best practices on how to address health challenges through interventions that target healthier urban populations. Presentations and discussions will identify the role of cities in planetary health; the determinants of health and health inequities found in urban environments; global health transitions that focus on the urban context; the evidence and challenges of urban health initiatives; the effects of urbanization and urban planning on health; the effects of food, agriculture, and transportation systems on urban population health; the role of digital technology and AI in improving urban health; and the role of political leadership and governance in establishing healthier urban populations.

This meeting is free and open to the public, though space is limited, and a live webcast will be available from the [meeting webpage](#).



Follow the Conversation #PPPGlobalForum

View Agenda

Register Now

Health-Focused Public-Private Partnerships in the Urban Context - A Workshop



Washington, DC
June 13-14, 2019
#PPPGlobalForum

The National Academies of
SCIENCES • ENGINEERING • MEDICINE





National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences. All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Earth & Life Studies
Sent: 22 Jan 2020 17:40:02 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Best of 2019: Advice for 2020 and Beyond!

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

EARTH AND LIFE STUDIES

2019 advice for 2020 and beyond!

Through our reports and activities in 2019, the Earth & Life Studies division of the National Academies provided scientific advice on some of our nation's most pressing problems. Planned follow-up in 2020 will help decision makers and stakeholders implement that advice. Here are some of our best stories.

Wishing you a Happy New Year!

Combatting a Deadly Waterborne Disease



A new report drew a startling conclusion: the rates of Legionnaires' disease have risen 5-fold in the United States over the past 20 years. Caused by the growth of *Legionella* bacteria in building plumbing and cooling towers, the number of cases is estimated to be between 50,000 and 75,000 each year. The report maps out steps that facilities managers can take to keep *Legionella* bacteria in check in plumbing and HVAC systems. It also calls for a nationwide policy requiring all schools and hospitals to develop a water management plan. Several meetings are planned in 2020 to help facilities managers and health professionals implement the study's recommendations. [Get the report!](#)

Helping Coral Survive



Since the 1980s, reef cover worldwide has been reduced, on average, approximately 30-50%. Greenhouse gas emissions and associated increases in ocean temperature are associated with a rise in coral bleaching episodes and disease outbreaks. These threats compound persistent local stresses from pollution, overfishing, and habitat destruction. A pair of reports identify 23 novel interventions that could help coral survive changing ocean conditions and provide a decision framework to help coral reef managers determine which interventions are most suitable for their region and goals. [Find the report here!](#)

Fighting Climate Change



Many of society's most urgent problems are related to climate change. A new report examines opportunities to fight climate change with negative emissions technologies, which remove carbon dioxide from the atmosphere and sequester it. The report identifies technologies ready for large-scale deployment at costs competitive with emissions mitigation strategies. It also maps out research for technologies with a high potential to remove carbon but that are currently limited by high costs or a lack of fundamental understanding. [Read more!](#)

Addressing Environmental Health Threats



New in 2019, the Environmental Health Matters Initiative (EHMI) brings together leaders in academia, government, business, and nonprofit communities to share insights on issues in environmental health. EHMI's first workshop explored the tough problem of environmental exposure to the persistent chemical compounds known as PFAS. The second workshop examined health implications of our crumbling municipal water infrastructure. These events drew several hundred participants from 35 U.S. states and 11 countries. Planned 2020 activities include a workshop on the impacts of our transportation system on human health.

[Find out more now!](#)

Using Genetics to ID Animal Populations



In North Carolina, protection of the endangered Red Wolf has become controversial, with some arguing that intermixing with coyotes has significantly altered the genetics of the wolf population. Scientific advances can help address such controversies. A 2019 report examined the wolves' evolutionary history and genetic diversity, concluding that available evidence supports species status for the current Red Wolf. A follow-on activity is assisting the U.S. Fish and Wildlife Service in calling for research applications that would further understanding of red wolf taxonomy. [Take a look at the report!](#)

Evaluating the Safety of Flame Retardants



The Consumer Product Safety Commission (CPSC) is tasked with ensuring that chemicals used in manufacturing do not pose a health risk. With hundreds of flame retardants in use, however, the traditional chemical-by-chemical approach to evaluating chemical safety is unrealistic. A new report proposed a plan for using a class approach, in which chemicals that have similar structures or properties are evaluated as a group. As a follow up, tabletop exercises are being held to help CPSC officials work through various technical and policy considerations needed to implement the plan. [Get more info!](#)

Advancing Biomedical Research and Lab Animal Care



The marmoset, a type of small monkey native to South America, is a research model of increasing importance for biomedical research in the United States and globally. Marmosets offer a range of advantages as animal models in neuroscience, aging, infectious diseases, and other fields of study. Responding to concerns on range of issues, including the supply of marmosets available for research and gaps in guidance for their care and management, the ILAR Roundtable held a workshop to explore the care, use, and welfare of marmosets in biomedical research. [Get the Workshop Proceedings.](#)

Responding to Nuclear and Radiological Threats



Accidents and terrorist attacks that release radioactive materials can cause deaths, injuries, and a range of psychosocial effects in the surrounding community and in emergency responders. Experiences such as the Fukushima Daiichi Nuclear Power Plant accident in Japan have highlighted the need for efficient and timely health effect surveillance of affected populations. Recognizing this important need, the Centers for Disease Control and Prevention asked the National Academies to convene a workshop to explore establishing a radiation registry for monitoring long-term health effects. [Read the Workshop Proceedings.](#)

Scientific Breakthroughs in Agriculture



A century of scientific advances have enabled U.S. agriculture to deliver a safe and abundant domestic food supply and a trade surplus, but challenges are mounting. Water scarcity, increased weather variability, floods, and droughts are stresses on production, while more than a third of food produced in the U.S. is unconsumed. This study identifies innovative, emerging scientific advances for making the U.S. food and agricultural systems more efficient, resilient, and sustainable. [Read more!](#)

Revitalizing Environmental Engineering



The work of environmental engineers has improved countless lives through systems for water delivery, waste treatment, and prevention and remediation of pollution. The demands of the 21st century, however, call for dramatic growth and change in the field. A new report identifies five pressing challenges that environmental engineers are uniquely poised to help: sustainably supply food, water, and energy; curb climate change and adapt to its impacts; design a future without pollution and waste; create efficient, healthy, resilient cities; and foster informed decisions and actions. Planned follow-up includes educational materials to interest young people in pursuing the field. [Learn more!](#)



Forward this
email



Shar
e



Twee
t



You are receiving this email because you subscribed for updates from the a unit or program in the Division on Earth & Life Studies (or because it was forwarded to you by a colleague). [Manage your subscription preferences here.](#)

Copyright © 2020 National Academy of Sciences, All rights reserved.

You are receiving this email because you opted in to emails from a unit or project in the Division on Earth & Life Studies.

Our mailing address is:

National Academy of Sciences
500 Fifth Street NW
Washington, DC 20001

[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)

From: NASEM Earth & Life Studies
Sent: 22 Jan 2020 17:38:32 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Best of 2019: Advice for 2020 and Beyond!

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

EARTH AND LIFE STUDIES

2019 advice for 2020 and beyond!

Through our reports and activities in 2019, the Earth & Life Studies division of the National Academies provided scientific advice on some of our nation's most pressing problems. Planned follow-up in 2020 will help decision makers and stakeholders implement that advice. Here are some of our best stories.

Wishing you a Happy New Year!

Combatting a Deadly Waterborne Disease



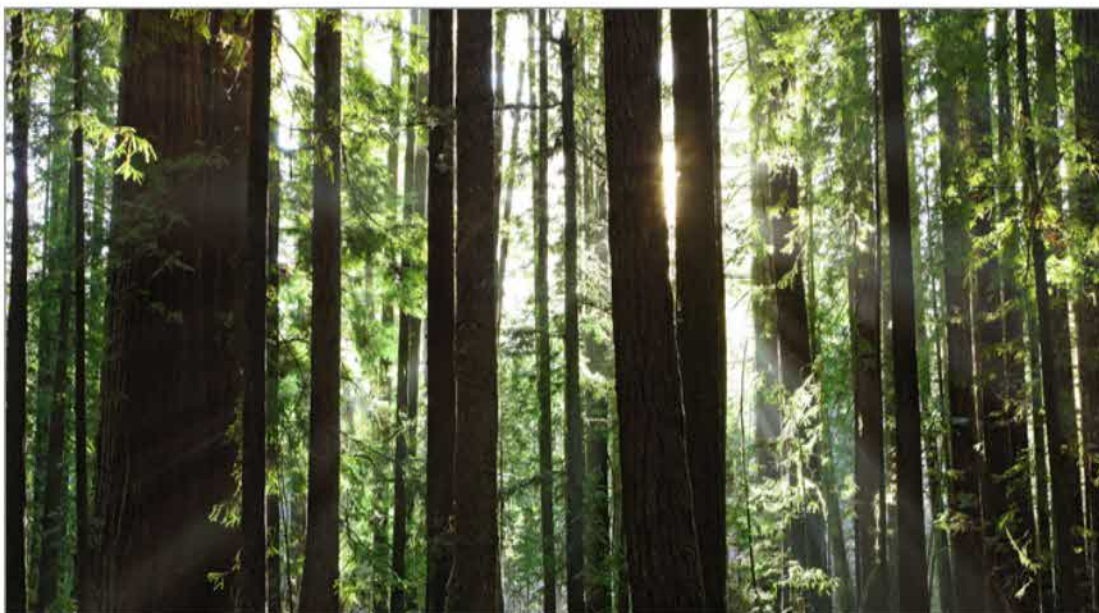
A new report drew a startling conclusion: the rates of Legionnaires' disease have risen 5-fold in the United States over the past 20 years. Caused by the growth of *Legionella* bacteria in building plumbing and cooling towers, the number of cases is estimated to be between 50,000 and 75,000 each year. The report maps out steps that facilities managers can take to keep *Legionella* bacteria in check in plumbing and HVAC systems. It also calls for a nationwide policy requiring all schools and hospitals to develop a water management plan. Several meetings are planned in 2020 to help facilities managers and health professionals implement the study's recommendations. [Get the report!](#)

Helping Coral Survive



Since the 1980s, reef cover worldwide has been reduced, on average, approximately 30-50%. Greenhouse gas emissions and associated increases in ocean temperature are associated with a rise in coral bleaching episodes and disease outbreaks. These threats compound persistent local stresses from pollution, overfishing, and habitat destruction. A pair of reports identify 23 novel interventions that could help coral survive changing ocean conditions and provide a decision framework to help coral reef managers determine which interventions are most suitable for their region and goals. [Find the report here!](#)

Fighting Climate Change



Many of society's most urgent problems are related to climate change. A new report examines opportunities to fight climate change with negative emissions technologies, which remove carbon dioxide from the atmosphere and sequester it. The report identifies technologies ready for large-scale deployment at costs competitive with emissions mitigation strategies. It also maps out research for technologies with a high potential to remove carbon but that are currently limited by high costs or a lack of fundamental understanding. [Read more!](#)

Addressing Environmental Health Threats



New in 2019, the Environmental Health Matters Initiative (EHMI) brings together leaders in academia, government, business, and nonprofit communities to share insights on issues in environmental health. EHMI's first workshop explored the tough problem of environmental exposure to the persistent chemical compounds known as PFAS. The second workshop examined health implications of our crumbling municipal water infrastructure. These events drew several hundred participants from 35 U.S. states and 11 countries. Planned 2020 activities include a workshop on the impacts of our transportation system on human health.

[Find out more now!](#)

Using Genetics to ID Animal Populations



In North Carolina, protection of the endangered Red Wolf has become controversial, with some arguing that intermixing with coyotes has significantly altered the genetics of the wolf population. Scientific advances can help address such controversies. A 2019 report examined the wolves' evolutionary history and genetic diversity, concluding that available evidence supports species status for the current Red Wolf. A follow-on activity is assisting the U.S. Fish and Wildlife Service in calling for research applications that would further understanding of red wolf taxonomy. [Take a look at the report!](#)

Evaluating the Safety of Flame Retardants



The Consumer Product Safety Commission (CPSC) is tasked with ensuring that chemicals used in manufacturing do not pose a health risk. With hundreds of flame retardants in use, however, the traditional chemical-by-chemical approach to evaluating chemical safety is unrealistic. A new report proposed a plan for using a class approach, in which chemicals that have similar structures or properties are evaluated as a group. As a follow up, tabletop exercises are being held to help CPSC officials work through various technical and policy considerations needed to implement the plan. [Get more info!](#)

Advancing Biomedical Research and Lab Animal Care



The marmoset, a type of small monkey native to South America, is a research model of increasing importance for biomedical research in the United States and globally. Marmosets offer a range of advantages as animal models in neuroscience, aging, infectious diseases, and other fields of study. Responding to concerns on range of issues, including the supply of marmosets available for research and gaps in guidance for their care and management, the ILAR Roundtable held a workshop to explore the care, use, and welfare of marmosets in biomedical research. [Get the Workshop Proceedings.](#)

Responding to Nuclear and Radiological Threats



Accidents and terrorist attacks that release radioactive materials can cause deaths, injuries, and a range of psychosocial effects in the surrounding community and in emergency responders. Experiences such as the Fukushima Daiichi Nuclear Power Plant accident in Japan have highlighted the need for efficient and timely health effect surveillance of affected populations. Recognizing this important need, the Centers for Disease Control and Prevention asked the National Academies to convene a workshop to explore establishing a radiation registry for monitoring long-term health effects. [Read the Workshop Proceedings.](#)

Scientific Breakthroughs in Agriculture



A century of scientific advances have enabled U.S. agriculture to deliver a safe and abundant domestic food supply and a trade surplus, but challenges are mounting. Water scarcity, increased weather variability, floods, and droughts are stresses on production, while more than a third of food produced in the U.S. is unconsumed. This study identifies innovative, emerging scientific advances for making the U.S. food and agricultural systems more efficient, resilient, and sustainable. [Read more!](#)

Revitalizing Environmental Engineering



The work of environmental engineers has improved countless lives through systems for water delivery, waste treatment, and prevention and remediation of pollution. The demands of the 21st century, however, call for dramatic growth and change in the field. A new report identifies five pressing challenges that environmental engineers are uniquely poised to help: sustainably supply food, water, and energy; curb climate change and adapt to its impacts; design a future without pollution and waste; create efficient, healthy, resilient cities; and foster informed decisions and actions. Planned follow-up includes educational materials to interest young people in pursuing the field. [Learn more!](#)



Forward this
email



Shar
e



Twee
t



You are receiving this email because you subscribed for updates from the a unit or program in the Division on Earth & Life Studies (or because it was forwarded to you by a colleague). [Manage your subscription preferences here.](#)

Copyright © 2020 National Academy of Sciences, All rights reserved.

You are receiving this email because you opted in to emails from a unit or project in the Division on Earth & Life Studies.

Our mailing address is:

National Academy of Sciences
500 Fifth Street NW
Washington, DC 20001

[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)

From: Young, Kossana
Sent: 19 Feb 2020 19:04:11 +0000
To: Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Guy Palmer;Janet Hemingway;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Lisa Conti;Patricia Conrad;Peter Rabinowitz;Zabta Shinwari;Newman, Robert
Cc: Thevenon, Audrey
Subject: Confirmed dates for the One-Health Research Symposium

Hello Committee Members,

Our confirmed dates for the One-Health Research Symposium are **Sunday, August 2 – Thursday, August 6**. As you know, we had to adjust the dates due to Eid-ul-Adha. Thank you so much for your patience and understanding. We hope you can all make it! I will be sending a calendar invite shortly.

If you have any questions or concerns please do not hesitate to ask.

Best,
Kossana

From: Environmental Health Matters Initiative
Sent: 10 Dec 2019 15:03:57 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: EHMI December 2019 Newsletter

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE



THE ENVIRONMENTAL HEALTH MATTERS INITIATIVE

Who We Are

We bring together leaders from various sectors to share their knowledge and insights or solve a wide array of environmental health challenges.

Questions or comments? Email ehmi@nas.edu or [fill out our brief feedback questionnaire](#)

[EHMI in 2019](#) - [A Look Back](#) - [In The News](#) - [Upcoming Events](#) - [New Releases](#)

EHMI in 2019

Video: Marcia McNutt on EHMI

[Click here](#) or click the image below to start video.



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

0:02 / 1:28



Our Year In Review

With the holiday season upon us and a new year just weeks away, I'm taking a step back on the work of the Environmental Health Matters Initiative (EHMI) in 2019. This year, we launched the EHMI and, along with our committee of experts, identified two pressing environmental health issues that demand further exploration: [human exposure to PFAS](#)—persistent chemical compounds—and our crumbling municipal [water infrastructure](#). The workshops we held on these topics drew in several hundred participants from 35 U.S. states and 11 countries.

Like most people—whether they realize it or not—I have experienced environmental health challenges my entire life. I grew up in the petrochemical nexus that is Southeast Texas and later moved to work in Alaska, where shifting environmental conditions in the Arctic perpetually affected our ability to be safe, healthy, and productive. These experiences have shown me that environmental health issues are extremely complex and demand collective action across many sectors and disciplines. For this reason, I would like to personally acknowledge the experts from academia, government, business, and nonprofit communities who came together this year at the EHMI's first two workshops to share their knowledge and ideas, making the events a smashing success.

In the coming year, we will turn our attention toward environmental health challenges related to transportation, among other topics. And we will continue to rely on your expertise, comments, action, and sustained engagement as we explore solutions to some of the most pressing environmental health issues of our time.

On behalf of our team, I would like to thank you for being part of the EHMI this past year and look forward to seeing you in 2020.

Happy holidays,

Jeremy T. Mathis, Ph.D.

Director

Board on Chemical Sciences and Technology

A Look Back...

Quality Water From Every Tap

Our November Workshop



Thank you for attending [our second workshop](#), where participants shared and generated ways to improve U.S. drinking water quality. We encourage attendees to [fill out our brief workshop questionnaire](#). We greatly appreciate your feedback and will utilize it in planning future workshops.

Missed the workshop? No problem. [Watch clips from our webcast here.](#)

In The News

"Science is a method by which society tries to discover and share knowledge about the state of the world. It is fundamentally a communal process."

David

Member, Committee on Reproducibility and Replicability in Science of The National Academies

[Read Allison's full testimony](#) to the Committee on Science, Space, and Technology of the U.S. House of Representatives, regarding the EPA's proposed rule to strengthen transparency in regulatory science.

Upcoming Events

A selection of upcoming environmental health-related events from across the National Academies.

Conference: [Conference on Health and Active Transportation](#)

December 11-12, 2019

Washington, DC

Workshop: [Advancing Urban Sustainability in China and the United States](#)

December 16, 2019

Washington, DC

Workshop: [Emerging Technologies to Advance Research and Decisions on the Environmental Health Effects of Microplastics](#)

January 27-28, 2020

Washington, DC

Workshop: [Integrating the Science of Aging into Environmental Health Research](#)

April 6-7, 2020

Washington, DC

Workshop: [Predicting Human Health Effects from Environmental Exposures: Applying Toxicology and Accessible Biomarkers of Effect](#)

June 9-10, 2020

Washington, DC

Symposium: [Transportation, Environment, and Energy: An Integrated Research Symposium](#)

July 12-15, 2020

Denver, Colorado

[*See our full calendar of events here.](#)



A selection of recent environmental health-related reports and workshop proceedings from across the Academies.

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

CONSENSUS STUDY REPORT

**REVIEW OF EPA'S UPDATED
PROBLEM FORMULATION AND
PROTOCOL FOR THE INORGANIC
ARSENIC IRIS ASSESSMENT**

PROCEEDINGS OF A WORKSHOP

ENHANCING URBAN SUSTAINABILITY

with Data, Modeling, and Simulation



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

CONSENSUS STUDY REPORT



Management of *Legionella* in Water Systems

Committee on Management of *Legionella* in Water Systems

Water Science and Technology Board

Board on Life Sciences

Board on Population Health and Public Health Practice

Division on Earth and Life Studies

Health and Medicine Division

A Consensus Study Report of
The National Academies of
SCIENCES • ENGINEERING • MEDICINE

THE NATIONAL ACADEMIES PRESS
Washington, DC
www.nap.edu

Prepublication Version - Subject to further editorial revision

PROCEEDINGS OF A WORKSHOP

THE CONVERGENCE OF

INFECTIOUS DISEASES AND

NONCOMMUNICABLE DISEASES





Copyright © 2019 National Academies, All rights reserved.

Our mailing address is:

The National Academies Keck Center
500 Fifth Street NW
Washington, D.C. 20001

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#)

You are receiving this email because you opted to receive content from the Environmental Health Mat

From: Environmental Health Matters Initiative
Sent: 4 Feb 2020 16:00:16 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: EHMI February 2020 Newsletter

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE



THE ENVIRONMENTAL HEALTH MATTERS INITIATIVE

Who We Are

We bring together leaders from various sectors to share their knowledge and insights or solve a wide array of environmental health challenges.

Questions or comments? Email ehmi@nas.edu or [fill out our brief feedback questionnaire](#)

[Report Spotlight](#) - [Featured Event](#) - [Sneak Peek](#) - [Upcoming Events](#) - [New Releases](#)

Report Spotlight

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

CONSENSUS STUDY REPORT



LEADING HEALTH INDICATORS 2030

Advancing Health, Equity, and Well-Being

[Leading Health Indicators 2030](#)

Advancing Health, Equity, and Well-Being

From: Environmental Health Matters Initiative
Sent: 15 Oct 2019 14:03:29 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: EHMI October 2019 Newsletter

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE



THE ENVIRONMENTAL HEALTH MATTERS INITIATIVE

Who We Are

We bring together leaders from various sectors to share their knowledge and insights or solve a wide array of environmental health challenges.

Questions or comments? Email ehmi@nas.edu or [fill out our brief feedback questionnaire](#)

[Featured Event](#) - [In The News](#) - [Upcoming Events](#) - [Report Spotlight](#) - [New Release](#)

Featured Event

Our next workshop is fast approaching:



Quality Water From Every Tap

November 21-22, 2019

The quality of U.S. drinking water is at risk as our water infrastructure ages and environmental conditions impact source water purity and quantity. [This workshop](#) will explore the paths to take to increase the quality of water from systems that do not meet today's drinking water standards, especially for communities that lack adequate resources and expertise because they are small or declining in size. Participants will delve into existing scientific knowledge on this issue from a variety of perspectives, including social science and technological development. Our goal is to encourage participants to share and generate innovative thinking on how to improve water quality, and

leaders with the science they need to move the needle on this complex challenge.

This event is public and free to attend. [Register here](#) to attend in-person or join the live v

A Look Back: Our September Workshop



Thank you to those who attended our first workshop, *Identifying Opportunities to Understand, Control, and Prevent Exposure to PFAS*.

We encourage attendees to [fill out our brief post-workshop questionnaire](#). We greatly appreciate your feedback and will utilize it in planning future workshops.

Missed the workshop? No problem. [Watch clips from our webcast here](#).

In The News

"Scientists enjoy a relatively high level of public trust. To sustain this valued commodity in our increasingly polarized age, scientists and the custodians of science would do well to send a signal to other researchers -- and to the public and policymakers -- the ways in which we are safeguarding science's norms."

McNutt
President, National Academy of Sciences

[Read the full article](#) on the trustworthiness of science co-authored by McNutt here.

Upcoming Events

Upcoming Events

Check our upcoming EHMI events as well as environmental health-related events from across the National Academies.

Workshop: [Public-Private Partnerships for Global Health at the National, Municipal, and Local Levels](#)

October 23-24, 2019

Washington, DC

Workshop: [Understanding and Responding to Global Health Security Risks from Microbes in the Arctic](#)

November 6-7, 2019

Hanover, Germany and via Webcast

Conference: [Transportation Resilience 2019: 2nd International Conference on Transportation System Resilience to Natural Hazards and Extreme Weather](#)

November 13-15, 2019

Washington, DC

NEW! EHMI Workshop: [Quality Water From Every Tap](#)

November 21-22, 2019

Washington DC

Conference: [Conference on Health and Active Transportation](#)

December 11-12, 2019

Washington, DC

Workshop: [Emerging Technologies to Advance Research and Decisions on the Environmental Health Effects of Microplastics](#)

January 27-28, 2020

Washington, DC

[*See our full calendar of events here.](#)

Report Spotlight

NEW! Management of Legionella in Water Systems

Legionnaires' disease is the leading cause of reported waterborne disease outbreaks in the States. Caused by Legionella bacteria, the disease ranges from a mild flu-like illness to a pneumonia that can be fatal. Legionella occur naturally in water from many different environmental sources, but grow rapidly in the warm, stagnant conditions that can be found in engineered systems such as cooling towers, building plumbing, and hot tubs. [This report addresses](#) what is known about Legionella occurrence in water systems, and makes recommendations for managing bacterial growth in these environments in order to reduce the incidence of Legionnaires' disease.

Want to know more about the risks and recommendations now? [Scroll through our interactive report](#)

New Releases

The National Academies offers a wide array of environmental health-related workshops. Explore the possibilities from these events below.

PROCEEDINGS OF A WORKSHOP

Integrating Oral and General Health Through Health Literacy Practices



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

PROCEEDINGS OF A WORKSHOP

Current
STATUS AND RESPONSE
TO THE **Global
Obesity
Pandemic**



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

PROCEEDINGS OF A WORKSHOP

**Global Health
Transitions and**

PROCEEDINGS OF A WORKSHOP

INVESTING IN INTERVENTIONS THAT ADDRESS NON-MEDICAL, HEALTH-RELATED SOCIAL NEEDS

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

PROCEEDINGS OF A WORKSHOP

Long-Term Health Monitoring of
Populations Following a
Nuclear or Radiological Incident
in the United States



Copyright © 2019 National Academies, All rights reserved.

Our mailing address is:

The National Academies Keck Center
500 Fifth Street NW
Washington, D.C. 20001

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#)

You are receiving this email because you opted to receive content from the Environmental Health Mat

From: Martin, Anna W.
Sent: 7 Feb 2020 17:53:51 +0000
Subject: FEEDBACK SURVEY: Co-Creating and Keeping Inclusive Healthy Places

Hello!

Thank you for attending the workshop on *Co-Creating and Keeping Inclusive Healthy Places*, held Thursday February 6 at Hunter College. Please take a moment complete this brief survey about your workshop experience.

[Click Here to Complete the Survey](#)

In about 14 business days, the webcast recording will be posted to the [workshop webpage](#), along with speaker presentation slides and an updated Readings and Resources guide. When that information is published online, you will receive an email.

Thank you for your interest!

Best regards,
National Academies Roundtable Staff

From: NASEM-FO-NoReply@nas.edu
Sent: 5 Dec 2019 17:24:08 -0500
To: Cano, Maria (CDC/DDID/NCEZID/DHQP)
Subject: Fellowships Office Reference Letter Submission Request - (b)(6)

Dear Dr. Maria Cano,

(b)(6) has requested that you submit a **Reference Letter** for an application to the following competition: 2020 Ford Foundation Fellowship Programs - Predoctoral Competition. The deadline for your submission is **01/07/2020 at 5:00PM ET**.

For instructions on the content and length of your submission, review the requirements in the [Letters of Recommendation and Host Commitment Letter Instructions](#).

To complete your submission, use this link: [Fellowships Office Reference Submission](#).

If you cannot access the link, use any Web browser to navigate to:

(b)(6) Enter the email address this notification was sent to and

If you have questions about this request or did not agree in advance to provide this reference, please contact the applicant for more information. *Please do not forward this email to the applicant as it contains a secure URL granting your unique access to the submission system.*

Please note that technical support will be available by email at FordApplications@nas.edu or phone at 202-334-2872, up until the deadline. However, due to the volume of inquiries near the deadline, it may take up to 24 hours to receive a reply. **It will not be possible to grant any exceptions to the deadline of 01/07/2020 at 5:00PM ET.**

Thank you,
The Fellowships Office

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

12/5/2019 at 5:24 PM EST

From: National Academies
Sent: 11 Jan 2020 23:02:13 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Get to know us: Have you used MyNAP yet?

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

Welcome! Now that you're on our list, we'll be sending you a few emails about how to get the most out of our resources. If you'd like to stop getting emails like this, click the link at the bottom of this email.



You've browsed our site and read our emails, but the best way to take advantage of all we have to offer? [MyNAP](#), the login feature of the NAP website.

[Get Started »](#)

Why Use MyNAP?

With thousands of titles on the NAP.edu website, MyNAP offers a way to keep track of the ones that matter most to you. Save titles for later, make bookmarks

and personal notes as you read online, see related titles, and view your history of purchases. Stay logged in to make the PDF downloading process even quicker and get a list of all your past downloads.

In short, if you're a person who has ever been interested in more than one book on NAP, your life will be made much easier with a MyNAP login account.

Features You'll Love



Bookmark pages & take notes

Let MyNAP be the perfect research assistant. As you read books online, you can bookmark pages, make a note on each bookmark, and then refer back to them in

MyNAP.

[See your bookmarks &»](#)



Your history as a library

Your interactions with the website—buying print books, downloading PDFs, saving for later—all show up in MyNAP, creating a library of your own.

[Take a look at your bookshelf &»](#)



Books that fit your interests

MyNAP offers a quick view of titles recommended for you based on your download and purchase history.

[What are your recommendations? &»](#)

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press.

[Update My Preferences](#)

[Unsubscribe from all NAP emails](#)

[Stop getting these Welcome emails](#)

Copyright © 2020 National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies Press
Sent: 6 Jan 2020 23:01:58 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Get to know us: Never miss an update by following us on your favorite social network

Never miss an update by connecting with us

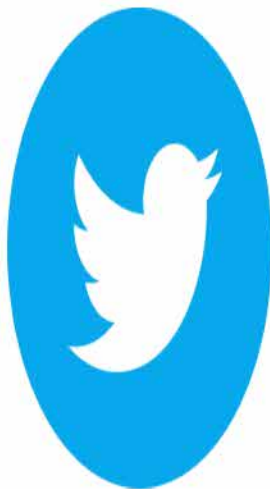
[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Welcome! Now that you're on our list, we'll be sending you a few emails about how to get the most out of our resources. If you'd like to stop getting emails like this, click the link at the bottom of this email.

Do you follow us?

We wanted to check in quickly with you to make sure you knew about all the places you could get our publications, news, and events. Never miss an update by following us on your favorite social network:



We're [@theNASEM on Twitter](#), where we share the latest publications, events, and updates from across the institution. Tweet us and join the conversation.



Looking for slightly longer updates sitting comfortably alongside those of your family and friends? We're at facebook.com/NationalAcademies on **Facebook**.



Our [YouTube channel](#) is the place to watch our most engaging videos, from short conversations with members of our committees to animated shorts on such topics as [bullying](#), [climate change](#), and the [growth of incarceration in the US](#).



If photos are more your speed, follow us on **Instagram** to see another side of the events of the National Academies. We're at instagram.com/theNASEM.



Connect with us in a more professional setting on [LinkedIn](#), where we post our job openings as well as other updates, news, and events.

Looking for more? If your favorite network isn't above, it's almost certainly on our [full list of ways you can connect with us](#).

YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press.

[Update My Preferences](#)

[Unsubscribe from all emails](#)

[Stop getting these Welcome emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

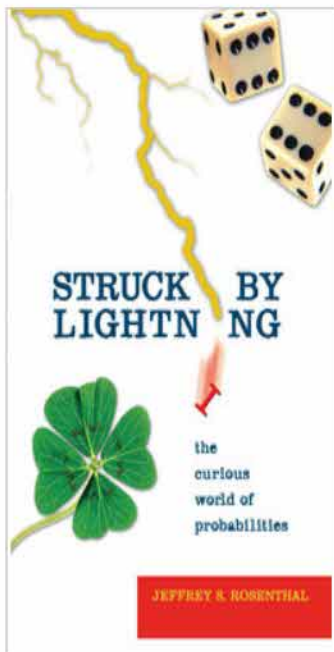
[Add us to your address book](#)

From: National Academies
Sent: 14 Mar 2019 17:28:59 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Happy Pi Day!

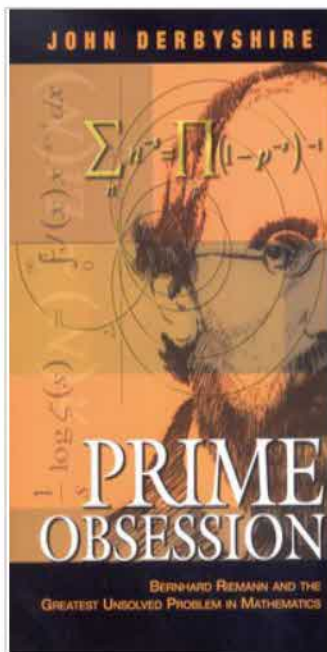
[View this email in your browser](#)

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

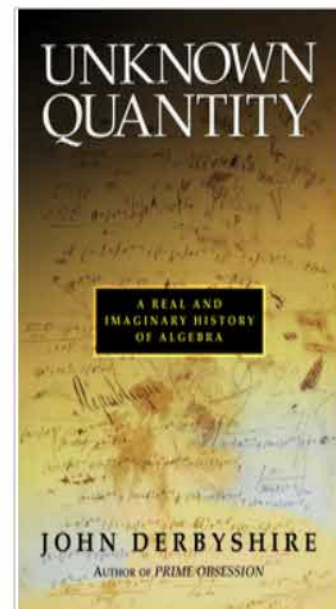
Happy Pi Day! We're celebrating all things mathematical with a special 31.4 (32)% discount off the list prices for the print or ebook titles below. Just use code **PIDAY** at checkout!



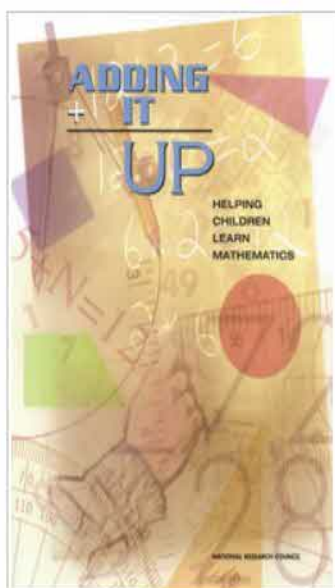
Struck by Lightning: The Curious World of Probabilities
~~\$24.95~~ **\$16.97**



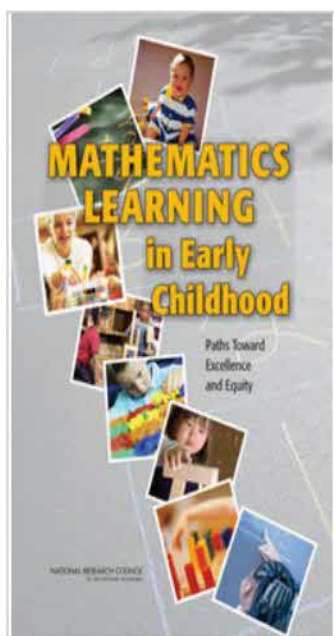
Prime Obsession: Bernhard Riemann and the Greatest Unsolved Problem in Mathematics (PDF)
~~\$21.50~~ **\$14.62**



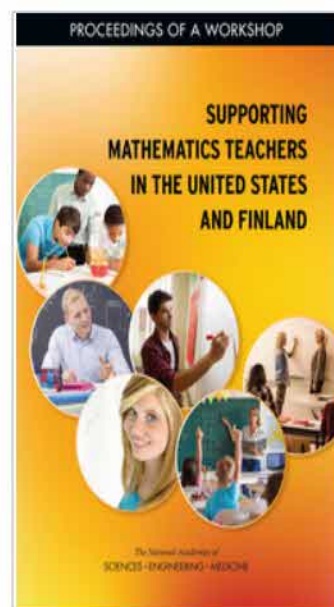
Unknown Quantity: A Real and Imaginary History of Algebra
~~\$27.95~~ **\$19.01**



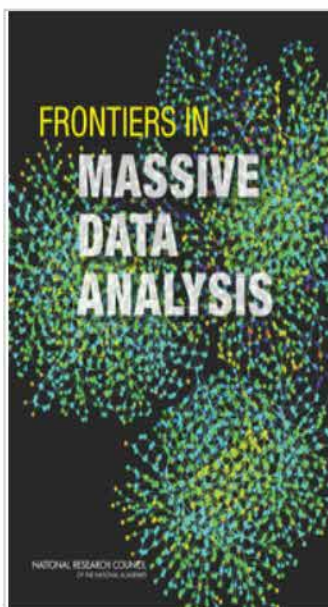
Adding It Up: Helping Children Learn Mathematics
~~\$49.95~~ **\$33.97**



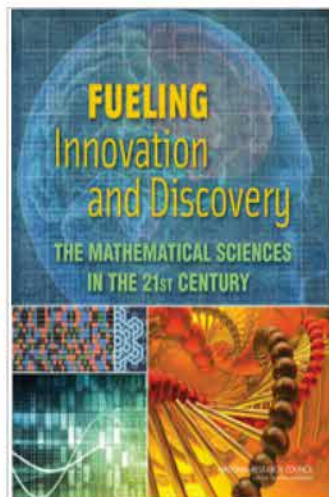
Mathematics Learning in Early Childhood: Paths Toward Excellence and Equity
~~\$59.95~~ **\$40.77**



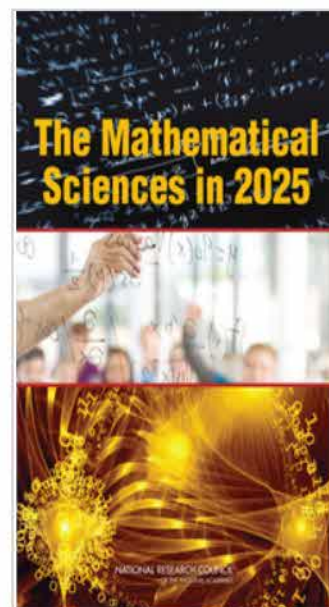
Supporting Mathematics Teachers in the United States and Finland: Proceedings of a Workshop
~~\$55.00~~ **\$37.40**



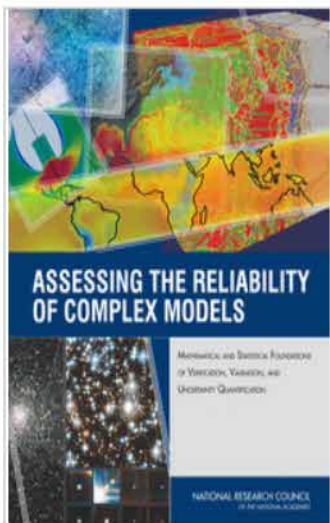
Frontiers in Massive Data Analysis
~~\$46.00~~ **\$31.28**



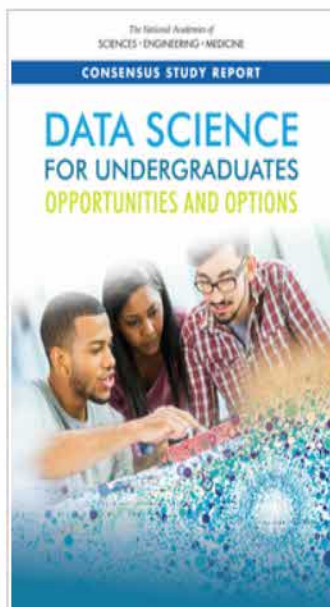
Fueling Innovation and Discovery: The Mathematical Sciences in the 21st Century
~~\$20.00~~ **\$13.60**



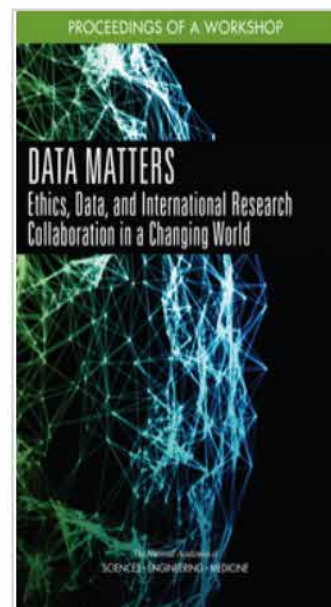
The Mathematical Sciences in 2025
~~\$48.00~~ **\$32.64**



Assessing the Reliability of
Complex Models:
Mathematical and Statistical
Foundations of Verification,
Validation, and Uncertainty
Quantification
~~\$42.00~~ **\$28.56**



Data Science for
Undergraduates:
Opportunities and Options
~~\$45.00~~ **\$30.60**



Data Matters: Ethics, Data,
and International Research
Collaboration in a Changing
World: Proceedings of a
Workshop
~~\$60.00~~ **\$40.80**

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press.

[Update My Preferences](#)

[Unsubscribe from all NAP emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 8 Mar 2019 16:33:58 +0000
To: Bunnell, Rebecca (CDC/DDPHSIS/CGH/DGHP)
Subject: NAS, NAE, and NAM Presidents on Vaccine Safety in Light of Measles Outbreaks

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



**NAS, NAE, and NAM Presidents Highlight Facts on Vaccine
Safety in Light of Measles Outbreaks**

The current measles outbreaks in the United States and elsewhere are being fueled by misinformation about the safety of vaccines. To help counter such misinformation, we created a [website](#) that provides clear, concise, and evidence-based answers to questions about vaccine safety and other commonly asked questions about health and science as identified through our partnership with Google.

The evidence base includes a number of our studies examining vaccine access, safety, scheduling, and possible side effects. Our work has validated that the science is clear – vaccines are extremely safe.

Given our shared congressional mandate to advise the nation, we are compelled to draw attention to these facts in order to inform better decision-making at a time when it is urgently needed to protect the health of communities in our country and around the world. Furthermore, we call on our professional colleagues everywhere to share these facts as widely as possible. Please consider sharing our social media posts on your own accounts through the links below.

Marcia McNutt

President, National Academy of Sciences

C. D. Mote, Jr.

President, National Academy of Engineering

Victor J. Dzau

President, National Academy of Medicine

SHARE:



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press.

[Update My Preferences](#)

[Unsubscribe from all NAP emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: NASEM Health and Medicine
Sent: 12 Aug 2019 19:03:29 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: NASEM Health & Medicine News

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

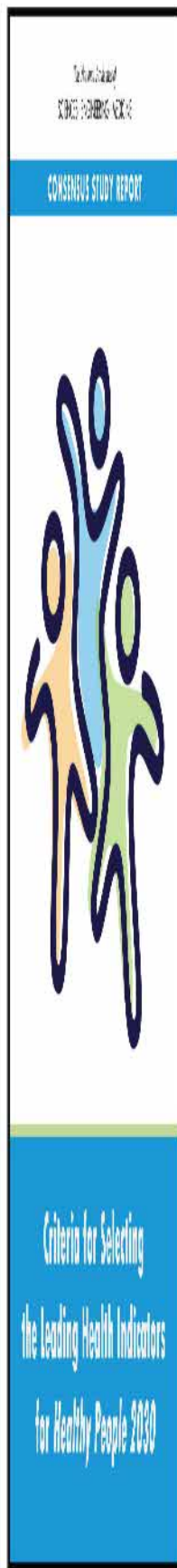
HEALTH AND MEDICINE

Health and Medicine News

August 2019

[Publications](#) | [Activities](#) | [Meetings](#) | [Around the Academies](#) | [Work For Us](#)

[New Publications](#)



Criteria for Selecting the Leading Health Indicators for Healthy People 2030

Released: August 6, 2019

From: NASEM Health and Medicine
Sent: 11 Jul 2019 19:04:30 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: NASEM Health & Medicine News

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

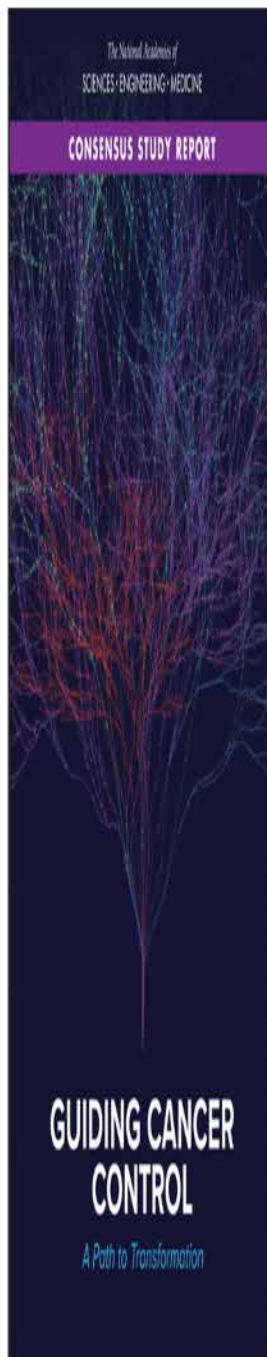
HEALTH AND MEDICINE

Health and Medicine News

July 2019

[Publications](#) | [Activities](#) | [Meetings](#) | [Around the Academies](#) | [Work For Us](#)

[New Publications](#)



[Guiding Cancer Control: A Path to Transformation](#)

Released: June 27, 2019

- [Committee's Recommendations](#)
 - [Report Highlights](#)
 - [Press Release](#)
 - [Report Release Webinar](#)
-



[Current Status and Response to the Global Obesity Pandemic: Proceedings of a Workshop](#)

Released: June 25, 2019

From: NASEM Health and Medicine
Sent: 11 Jun 2019 17:32:46 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: NASEM Health & Medicine News

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Health and Medicine News

June 2019

[Publications](#) | [Activities](#) | [Meetings](#) | [Around the Academies](#) | [Work For Us](#)

[New Publications](#)



[Implementing Strategies to Enhance Public Health Surveillance of Physical Activity in the United States](#)

Released: May 21, 2019

- [Report highlights](#)



[Artificial Intelligence Applications for Older Adults and People with Disabilities: Balancing Safety and Autonomy: Proceedings of a Workshop—in Brief](#)

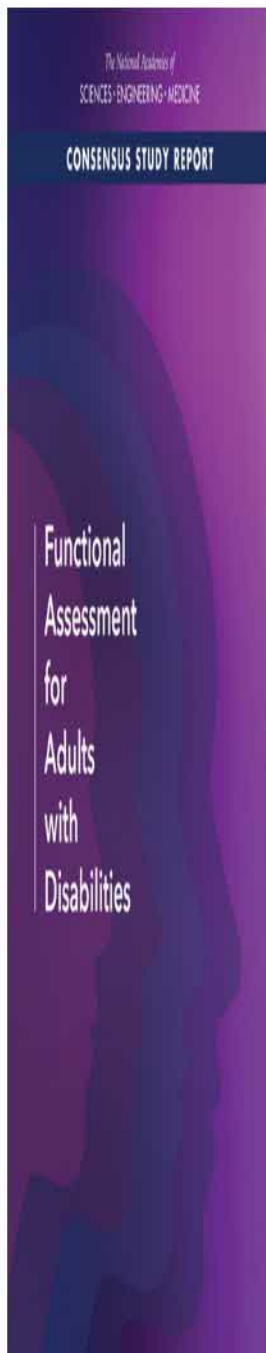
Released: May 17, 2019



[The Promise of Adolescence: Realizing Opportunity for All Youth](#)

Released: May 16, 2019

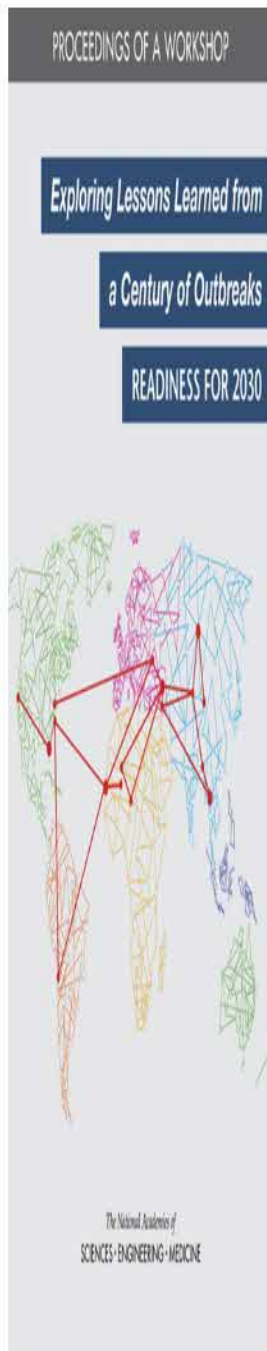
- [Report highlights](#)



Functional Assessment for Adults with Disabilities

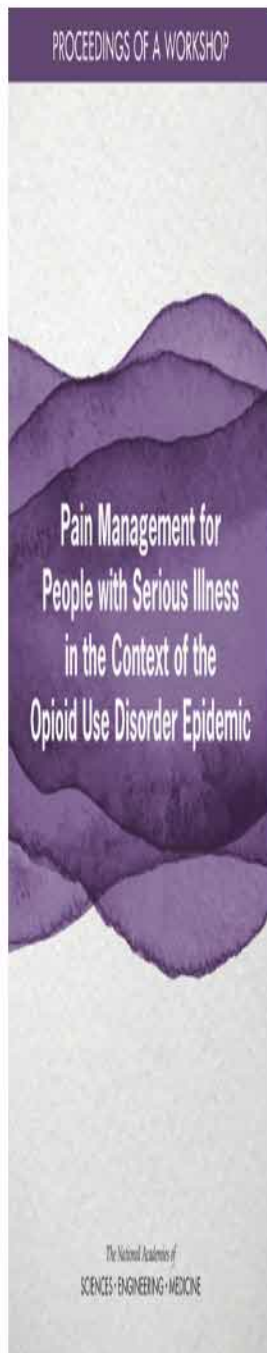
Released: May 9, 2019

- [Report highlights](#)



[Exploring Lessons Learned from a Century of Outbreaks: Readiness for 2030: Proceedings of a Workshop](#)

Released: May 8, 2019



[Pain Management for People with Serious Illness
in the Context of the Opioid Use Disorder
Epidemic: Proceedings of a Workshop](#)

Released: May 1, 2019

[View All Publications](#)

New Activities

Understanding and Responding to Global Health Security Risks from Microbial Threats in the Arctic: A Workshop

Stand Alone Workshop

This workshop will bring together an international, interdisciplinary group of experts to explore what is known, and what critical knowledge gaps remain, regarding existing and possible future risks of harmful infectious agents emerging from thawing Arctic environments. [Read more >>](#)

View All Activities

Upcoming Meetings

Mutual Recognition Agreements and Reliance in the Regulation of Medicines Information Gathering Session #11

Date: June 11, 2019 (11:00 AM ET)

Breaking Down Silos: The Convergence of Infectious Diseases and Noncommunicable Diseases: A Workshop

Date: June 11, 2019 - June 12, 2019 (1:00 PM ET)

Health-Focused Public-Private Partnerships in the Urban Context: A Workshop

Date: June 13, 2019 - June 14, 2019 (9:00 AM ET)

Brain Health Across the Lifespan: A Workshop

Date: June 26, 2019 - June 27, 2019 (8:00 AM ET)

Identifying Research Gaps in Clinical Practice Guidelines for Prescribing Opioids for Acute Pain: A Workshop

Date: July 9, 2019 (9:00 AM ET)

[The Potential Role of Nutrition in the First 2 Years of Life in the Prevention of Child Overweight and Obesity: A Webinar](#)

Date: July 18, 2019 (12:00 PM ET)

[View All Meetings](#)

[Around the Academies](#)

Learn about health-related activities happening in other National Academies divisions.

[Understanding Polydrug Use and Its Role in Drug-Impaired Driving](#)

The Transportation Research Board will conduct a webinar on Monday, July 1, 2019, from 2:00 PM to 3:30 PM ET that examines the role polydrug use – the concurrent use of multiple drugs – may play in drug-impaired driving. Polydrug use includes illicit drug use, the intentional misuse of prescription drugs, or the concurrent use of multiple drugs for therapeutic use. More research into how different drug combinations affect driving is currently underway. [Read more >>](#)

[Data, Modeling, and Policy Making to Address the Opioid Epidemic](#)

The Committee on Applied and Theoretical Statistics on June 10, 2019 from 1-5pm ET for a half-day discussion exploring current practices, challenges, and opportunities for using data, modeling, and policy making to address the opioid epidemic. [Read more >>](#)

[Data Science Education at Two-Year Colleges](#)

The Roundtable on Data Science Postsecondary Education: Two-Year Colleges will host a half-day virtual workshop focusing on data science education at two-year colleges on June 12, 2019 from 12-5pm ET. This online meeting will bring together data scientists and educators in academia, government, and industry to discuss: current efforts in developing data science curricula and programs at two-year colleges opportunities for professional development in data science education, strategies for building partnerships with nearby four-year and Master's granting institutions, and techniques for understanding the needs of local employers. [Read more >>](#)

[2019 Mathematical Frontiers Monthly Webinar Series](#)

This webinar series will focus on exciting and upcoming mathematics research across an array of topics, including machine learning, astronomy, transportation, medicine, and cryptography. Webinars will take place on the second Tuesday of each month from 2-3 p.m. ET, with two speakers and live Q&A. [Read more >>](#)

[Future of Nursing 2020-2030 Town Hall Meeting Series](#)

The Committee on the Future of Nursing 2020-2030 is holding two regional meetings on July 24th, in Philadelphia, PA from 8:30am-12:30 p.m. ET and August 7th, 8:30am-12:30 p.m. ET in Seattle, WA to hear from the public. The goal is to gather insights on advancing the profession of nursing to help our nation create a culture of health, reduce health disparities, and improve the health and well-being of the U.S. population in the 21st century. Each meeting will feature panel discussions around a specific topic, followed by time for public comments. For more information and to register, visit nam.edu/FutureofNursing2030. [Read more >>](#)

Work For Us

Check out the current job openings within the Health and Medicine Division and at the National Academies.

View All Job Opportunities



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences. All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: National Academies
Sent: 31 Dec 2019 15:37:47 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: NASEM News and Publications: Please Confirm Subscription

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

**Please confirm your subscription to email from
NAP:**

[Click here to confirm your subscription](#)

After you've confirmed your subscription, you will begin to receive emails from the National Academies Press, including the newest reports in the topic preferences of your choosing, as well as event announcements and other news from the National Academies.

If you received this email by mistake, simply delete it. You won't be subscribed if you don't click the confirmation link above.

For questions about this list, please contact:

nationalacademiespress@nas.edu

From: Young, Kossana
Sent: 24 Jan 2020 22:08:54 +0000
To: Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Guy Palmer;Janet Hemingway;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Lisa Conti;Patricia Conrad;Peter Rabinowitz;Zabta Shinwari;Newman, Robert
Subject: New Poll for One Health Symposium

Hello again Committee,

It has come to our attention that Eid-ul-Adha is expected to be on July 30/31 therefore we can longer hold our symposium during the projected dates of July 27 – 31. We're so sorry for not noticing this overlap. We would like to poll you all for the entire month of August. Could you please complete the following survey as soon as possible- <https://doodle.com/poll/twxh6mg7mig9uqug>

If you have any questions or concerns please do not hesitate to ask!

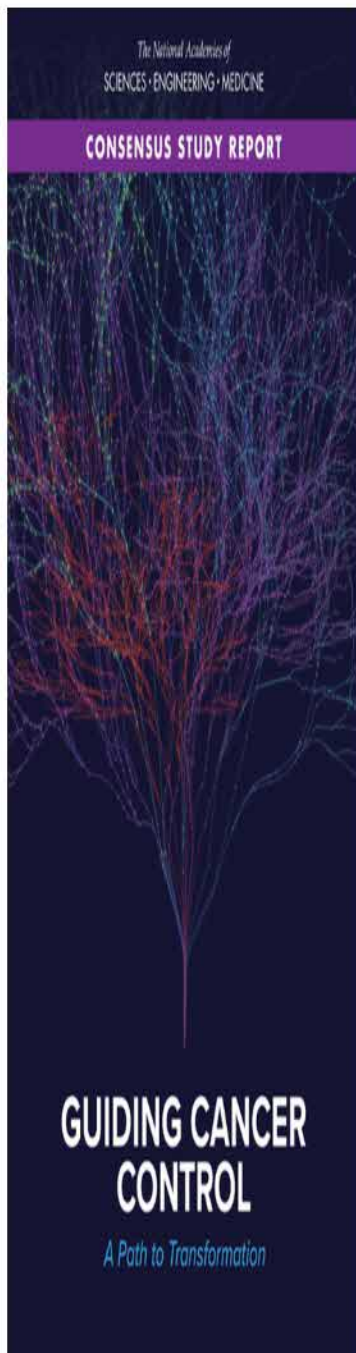
Warm regards,
Kossana

From: NASEM Health and Medicine
Sent: 27 Jun 2019 17:46:55 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: New Report! Guiding Cancer Control: A Path to Transformation

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE



New Report

Guiding Cancer Control: A Path to Transformation

- Report highlights ([PDF](#))
- Committee's recommendations([PDF](#))

Cancer control efforts in the United States are particularly complex, involving more than a dozen federal agencies, 65 states and territories, and many private organizations, both nonprofit organizations and forprofit companies. Currently there is no uniform way of coordinating the efforts and priorities of these diverse stakeholders.

The National Academies of Sciences, Engineering, and Medicine, with support from the American Cancer Society, the Centers for Disease Control and Prevention, and the National Cancer Institute, convened a committee to develop a national strategy for cancer control. The resulting consensus report, Guiding Cancer Control: A Path to Transformation, presents the committee's strategic vision and its recommendations defining the key principles, attributes, methods, and tools needed to achieve the goal of implementing an effective national cancer control plan.



[Tweet about it:](#) New Report! Guiding Cancer Control: A Path to Transformation. Learn more: nationalacademies.org/CancerControl #CancerControl

[Read the Report](#)



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 18 Jul 2019 19:30:10 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: New resource! Pain Management for People with Serious Illness in the Context of the OUD Epidemic

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

**New resource! Pain Management for
People with Serious Illness in the Context of the OUD
Epidemic**

In response to the opioid use disorder (OUD) epidemic, policy and regulatory changes have been put in place to significantly decrease the national opioid prescribing rate over recent years. Changes aimed at stemming the epidemic can have a significant impact on patients living with serious illness. How do opioid prescribing practices affect the pain management needs of people with serious illness? How do clinicians approach care for those with co-occurring substance use disorder?

The National Academies of Sciences, Engineering, and Medicine hosted a workshop to explore the intersection of the OUD epidemic and serious illness care.

[A new scrolling resource](#) highlights a series of potential opportunities presented at the workshop in the areas of policy, education and training, research, and more.



Help spread the word! Share this on your social media channels:



[Tweet about it](#): New @NASEM_Health infographic explores potential ways to address the pain management needs of people with serious illness in the context of widespread opioid use disorder. View it at <http://ow.ly/EJ1I50v4Y2h> #SeriousIllnessCareNASEM

Want more emails like this? [Sign up](#) for all of our emails on this topic.





National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Environmental Health Matters Initiative
Sent: 8 Oct 2019 13:59:50 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: New Workshop: Register Now

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE

New Workshop: Quality Water From Every Tap



QUALITY WATER FROM EVERY TAP

**A WORKSHOP OF
THE ENVIRONMENTAL HEALTH
MATTERS INITIATIVE**

NOVEMBER 21-22, 2019

*The National
Academies of* SCIENCES
ENGINEERING
MEDICINE

When:

Thursday, November 21, 2019 to Friday, November 22, 2019

Where:

National Academy of Sciences Lecture Room

2101 Constitution Ave NW

Washington, D.C. 20418

Note: A webcast will be available for attendees who are unable to travel to D.C.

Register Here

The quality of U.S. drinking water is at risk as our water infrastructure ages and environmental conditions impact source water purity and quantity.

This workshop will explore the paths we can take to increase the quality of water from systems that do not meet today's drinking water standards, especially for communities that lack adequate resources and expertise because they are small or declining in size.

Participants will delve into existing scientific knowledge on this issue from a variety of perspectives, including social science and technological development. Our goal is for participants to share and generate innovative thinking on how to improve water quality, empowering leaders with the science they need to move the needle on this complex challenge.

This event is public and free to attend. For additional information, please visit our [website](#).



Copyright © 2019 National Academy of Sciences, All rights reserved.

Our mailing address is:

The National Academy of Sciences

500 Fifth Street NW
Washington, D.C. 20001

[unsubscribe from this list](#) [update subscription preferences](#)

You are receiving this email because you opted in to emails from the Environmental Health Matters Initiative, Board on Chemical Sciences and Technology, Board on Environmental Studies and Toxicology, and/or Emerging Science for Environmental Health Decisions.

From: NASEM Environmental Health Matters Initiative
Sent: 29 Jul 2019 13:59:52 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: New Workshop: Registration Open Now

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE

New Workshop:

Identifying Opportunities to Understand, Control, and Prevent Exposure to PFAS



When:

8:30 a.m. - 4:00 p.m. on Thursday, September 26, 2019 and

8:30 a.m. - 12:30 p.m. on Friday, September 27, 2019

Where:

The National Academies Keck Center, Room 100

500 Fifth Street NW

Washington, D.C. 20001

Note: A webcast will be available for attendees who are unable to travel to D.C.

Register today!

The first workshop of the Environmental Health Matters Initiative (EHMI) will discuss human exposure to PFAS as well as innovative approaches to controlling and preventing exposure.

Poly- and perfluoroalkyl substances (PFAS) are man-made chemical compounds used in fire-fighting foam, cleaning products, carpet coating treatments, non-stick cookware coating, and many other consumer products. PFAS chemicals do not degrade by natural metabolic processes. Their high mobility and persistence allow them to move easily through water and air contaminating crop soil and drinking water aquifers.

Workshop participants will explore forward-thinking actions that need to be taken by various sectors to treat and prevent the spread of this dangerous chemical.

This event is public and free to attend. For additional information, please visit our [website](#).





Forward

Copyright © 2019 National Academy of Sciences, All rights reserved.

Our mailing address is:

The National Academy of Sciences
500 Fifth Street NW
Washington, D.C. 20001

[unsubscribe from this list](#) [update subscription preferences](#)

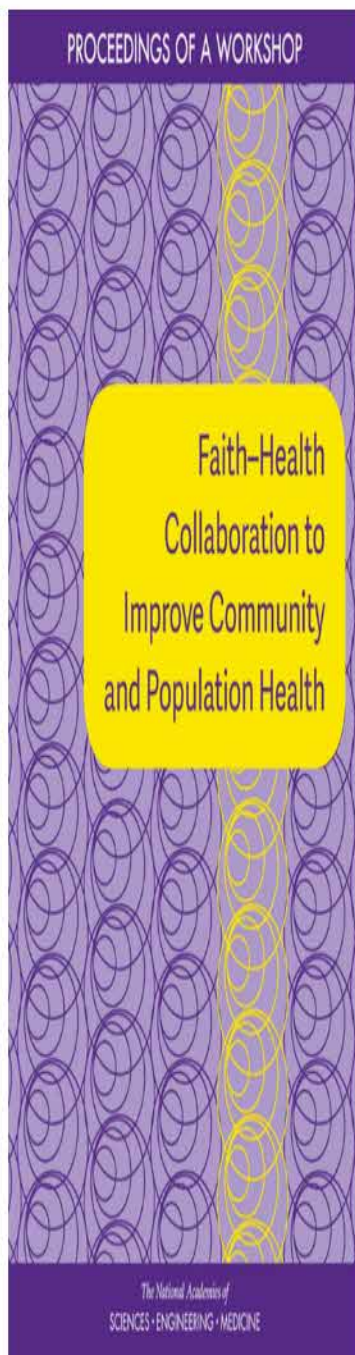
You are receiving this email because you opted in to emails from the Environmental Health Matters Initiative, Board on Chemical Sciences and Technology, and/or Board on Environmental Studies and Toxicology.

From: NASEM Health and Medicine
Sent: 7 Jun 2019 14:35:45 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: New! Faith–Health Collaboration to Improve Community and Population Health: Proceedings of a Workshop

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE



New Publication

Faith–Health Collaboration to Improve Community and Population Health: Proceedings of a Workshop

On March 22, 2018, an ad hoc committee planned and convened a one-day public workshop that explored challenges and opportunities for health sector actors that engage with faith-based health assets. The workshop provided an overview of faith-based assets in communities and their relationship to population health and the work of health improvement; highlighted areas where faith-based health assets are using evidence to inform their work and demonstrating effectiveness in improving health outcomes; provided examples of effective partnerships involving faith-based health assets; and shared lessons learned from working with faith-based assets that could contribute toward principles for engagement for health care organizations and public health agencies.



[Tweet about it](https://twitter.com/PopHealthRT): New! Faith–Health Collaboration to Improve Community and Population Health: Proceedings of a Workshop. Learn more: <http://ow.ly/8iq050uyYQe> #PopHealthRT

[Read the Publication](#)



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 20 Jun 2019 13:45:26 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: New! Improving Cancer Diagnosis and Care: Clinical Application of Computational Methods in Precision Oncology: Proceedings of a Workshop

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE



New Publication

Improving Cancer Diagnosis and Care: Clinical Application of Computational Methods in Precision Oncology: Proceedings of a Workshop

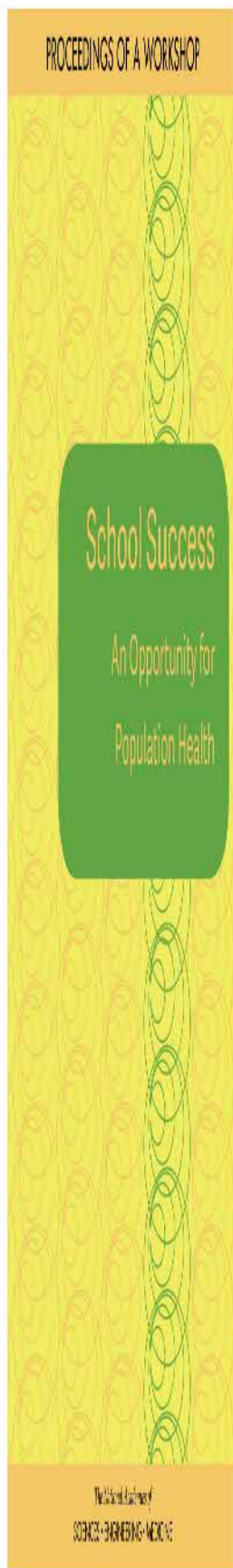
Precision oncology therapies, which target specific abnormalities in a patient's cancer, are changing the nature of cancer treatment by enabling clinicians to select therapies that are most likely to benefit individual patients. Increasingly, oncologists are formulating cancer treatment plans using results from complex laboratory and imaging tests that characterize the molecular underpinnings of an individual patient's cancer. These advances depend on the use of novel computational methods to analyze large-scale datasets derived from genomic tests and other omics technologies. In October 2018, the National Cancer Policy Forum convened a workshop to examine the challenges and opportunities in the development of computational methods for precision medicine to improve cancer diagnosis and care. This workshop proceedings highlights suggestions from individual participants to improve the translation of computational precision oncology into clinical practice.

From: NASEM Health and Medicine
Sent: 1 Aug 2019 14:03:44 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: New! School Success: An Opportunity for Population Health:
Proceedings of a Workshop

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE



New Publication

School Success: An Opportunity for Population Health: Proceedings of a Workshop

Recognizing the bidirectional relationship between health and educational success, the National Academies of Sciences, Engineering, and Medicine's Roundtable on Population Health Improvement held a 1-day public workshop on June 14, 2018 in Oakland California, featuring presentations that exemplified the relationship between the health and education sectors, and shared examples of public health interventions and activities in schools that support school success.



Tweet about it: New! School Success: An Opportunity for Population Health: Proceedings of a

From: NASEM Health and Medicine
Sent: 25 Jun 2019 13:32:44 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: New! Current Status and Response to the Global Obesity Pandemic:
Proceedings of a Workshop

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE



New Publication

Current Status and Response to the Global Obesity Pandemic: Proceedings of a Workshop

On October 9, 2018, the Roundtable on Obesity Solutions, Health and Medicine Division, National Academies of Sciences, Engineering, and Medicine convened a one-day public workshop that examined the status of the global obesity pandemic and explored approaches aimed at managing the problem in different settings around the world. This Proceedings of a Workshop highlights presentations that discussed the importance of understanding obesity in a global context and shared perspectives on the implications for prevention and treatment efforts in the United States, with an emphasis on reducing disparities.

From: NASEM Health and Medicine
Sent: 11 Jan 2019 15:30:29 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: New! Current Status and Response to the Global Obesity Pandemic:
Proceedings of a Workshop—in Brief

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE


HEALTH AND MEDICINE



New Publication

Current Status and Response to the Global Obesity Pandemic: Proceedings of a Workshop–in Brief

On October 9, 2018, the Roundtable on Obesity Solutions, held a public workshop titled “Current Status and Response to the Global Obesity Pandemic” in Washington, DC. The workshop examined the status of the global obesity pandemic and explored approaches used to manage the problem in different settings around the world. This Proceedings of a Workshop–in Brief highlights presentations which discussed the importance of understanding the obesity epidemic in global context and shared perspectives on the implications of obesity as a global problem for prevention and treatment efforts in the United States, with an emphasis on reducing disparities.

 [Tweet about it:](#) New! Current Status and Response to the Global Obesity Pandemic: A Workshop in Brief. Learn More: <http://ow.ly/kyYX30nhcZ5> #ObesitySolutionsRT

[Read the Publication](#)



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Emerging Science for Environmental Health
Sent: 3 Sep 2019 19:44:25 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: New: Artificial Intelligence to Advance Environmental Health Research and Decisions

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

EMERGING SCIENCE FOR
ENVIRONMENTAL HEALTH DECISIONS

This is a correction to an earlier email in which the incorrect title was given for the recent workshop proceedings release.

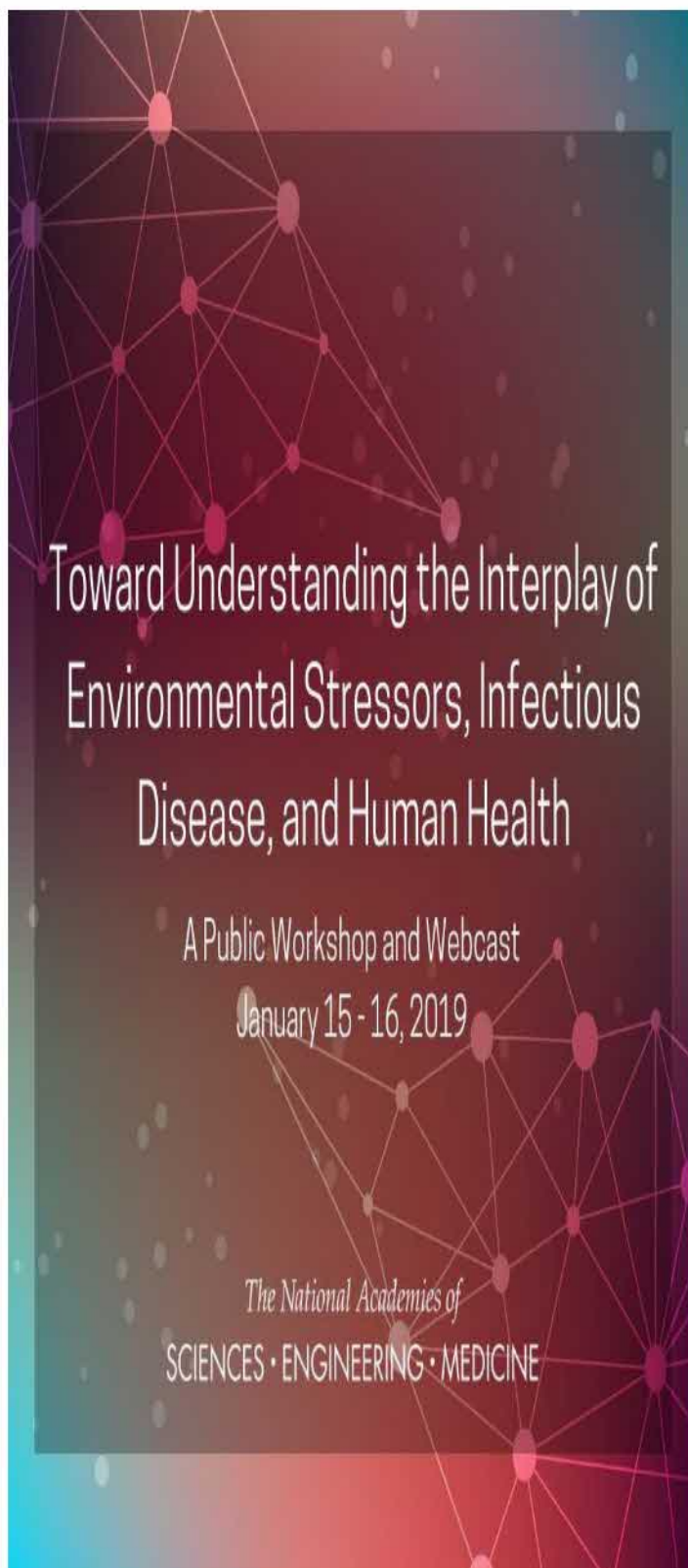
New Release:
**Leveraging Artificial Intelligence and Machine Learning
to Advance Environmental Health Research and
Decisions**
Proceedings of a Workshop—in Brief

On June 6-7, 2019 the Standing Committee on the Use of Emerging Science for Environmental Health Decisions convened a [workshop](#) to explore the potential for artificial intelligence (AI) and machine learning to transform environmental health research. Artificial intelligence (AI)—or the ability of machines to carry out “smart” tasks— is a technological invention that promises

to transform everyday life and the world. Growth in AI applications are driven largely by advancements in subfield of machine learning. Machine learning algorithms can analyze large volumes of complex data to find patterns and make predictions, often exceeding the accuracy and efficiency of people who are attempting the same task. Scientists are beginning to apply AI and machine learning to characterize sources of pollution, predict chemical toxicity, estimate human exposure to contaminants, and predict health outcomes that result from human exposure to contaminants. Yet, these emerging applications also raise many questions about transparency, interpretability, and the reproducibility and replicability of AI and machine learning. These issues could deliver misleading or inaccurate results, and potentially diminish social trust in research and decisions based on AI and machine learning. This new publication summarizes the workshop presentations and discussions on this important topic.

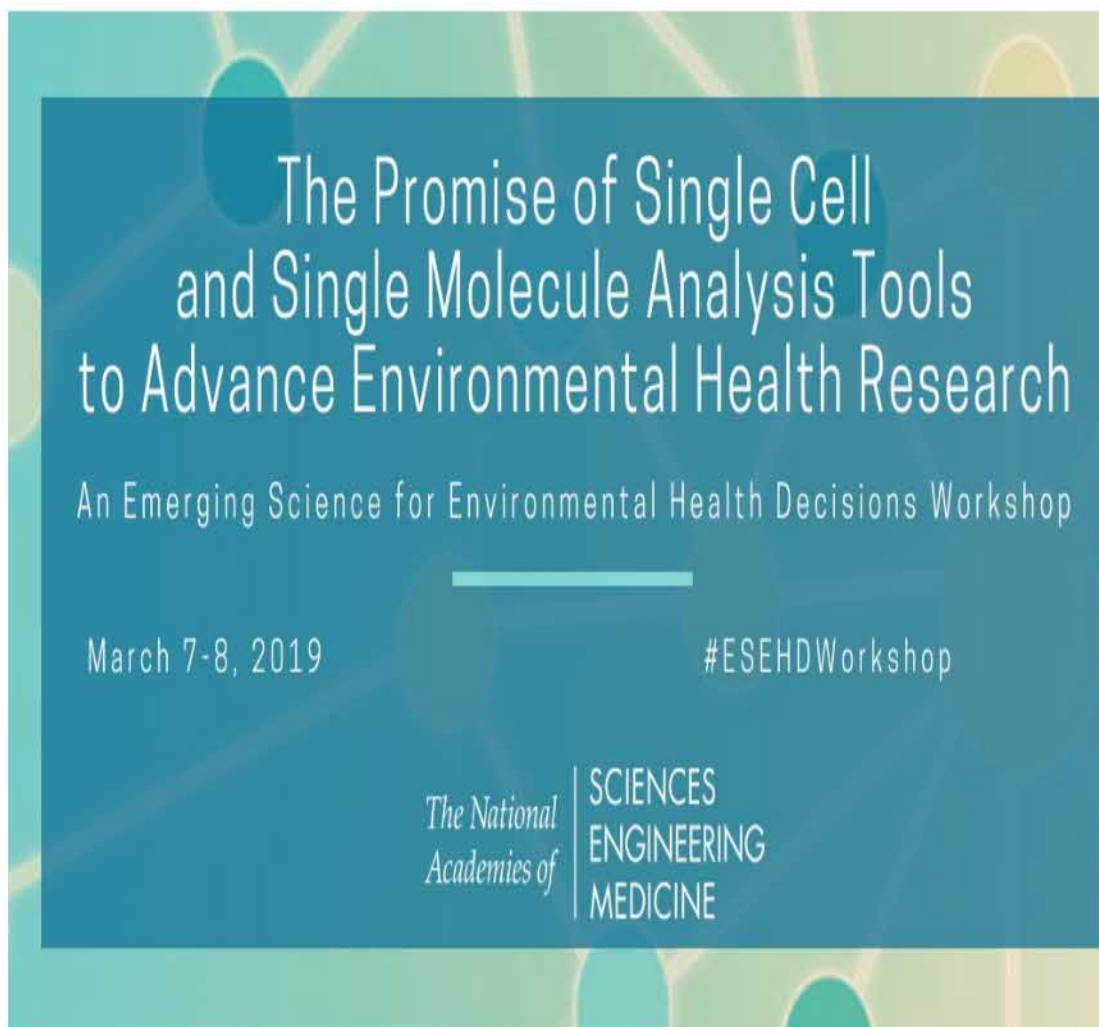


In Case You Missed It...



In January 2019, leading experts gathered at the workshop *Toward Understanding the Interplay of Environmental Stressors, Infectious Disease, and Human Health* to discuss the range of emerging evidence on the links between human exposure to environmental pollutants and susceptibility to infectious disease.

[Learn more about this workshop](#)



New tools are rapidly emerging to isolate the study cells and molecules one-by-one, allowing scientists to understand more about how biological interactions at such a small scale contribute to health and disease. A March 2019 ESEHD workshop focused on the development and use of single cell and single molecule tools, and explored their emerging uses in environmental health research.

[Learn more about this workshop](#)



Share



Tweet



Forward

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this email because you opted in to emails from a unit or project in the Division on Earth
Life Studies.

Our mailing address is:

National Academy of Sciences
500 Fifth Street NW
Washington, DC 20001

[Add us to your address book](#)

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#).

From: NASEM Emerging Science for Environmental Health
Sent: 3 Sep 2019 18:54:15 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: New: Artificial Intelligence to Advance Environmental Health Research and Decisions

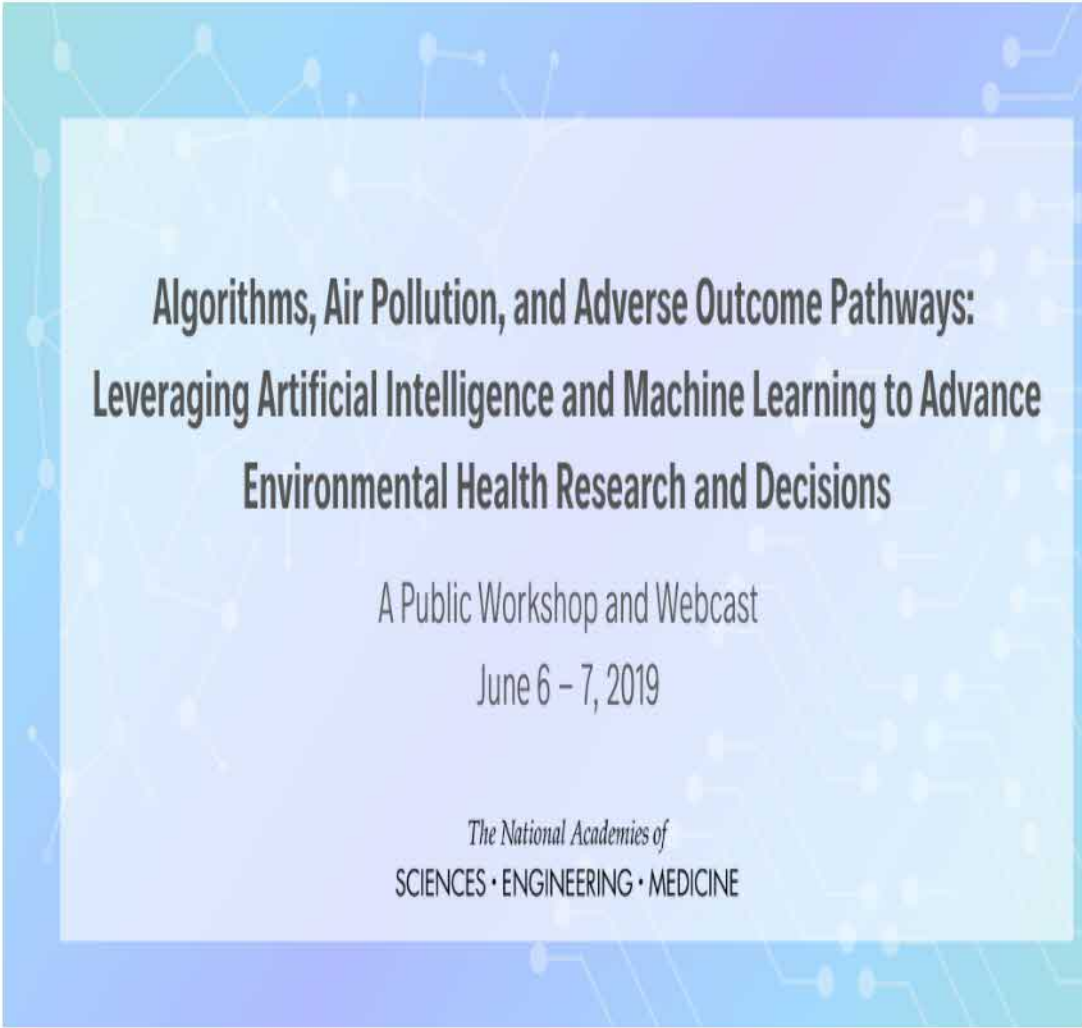
[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

EMERGING SCIENCE FOR
ENVIRONMENTAL HEALTH DECISIONS

New Release:
**Leveraging Artificial Intelligence and Machine Learning
to Advance Environmental Health Research and
Decisions**
Proceedings of a Workshop—in Brief



Algorithms, Air Pollution, and Adverse Outcome Pathways: Leveraging Artificial Intelligence and Machine Learning to Advance Environmental Health Research and Decisions

A Public Workshop and Webcast

June 6 – 7, 2019

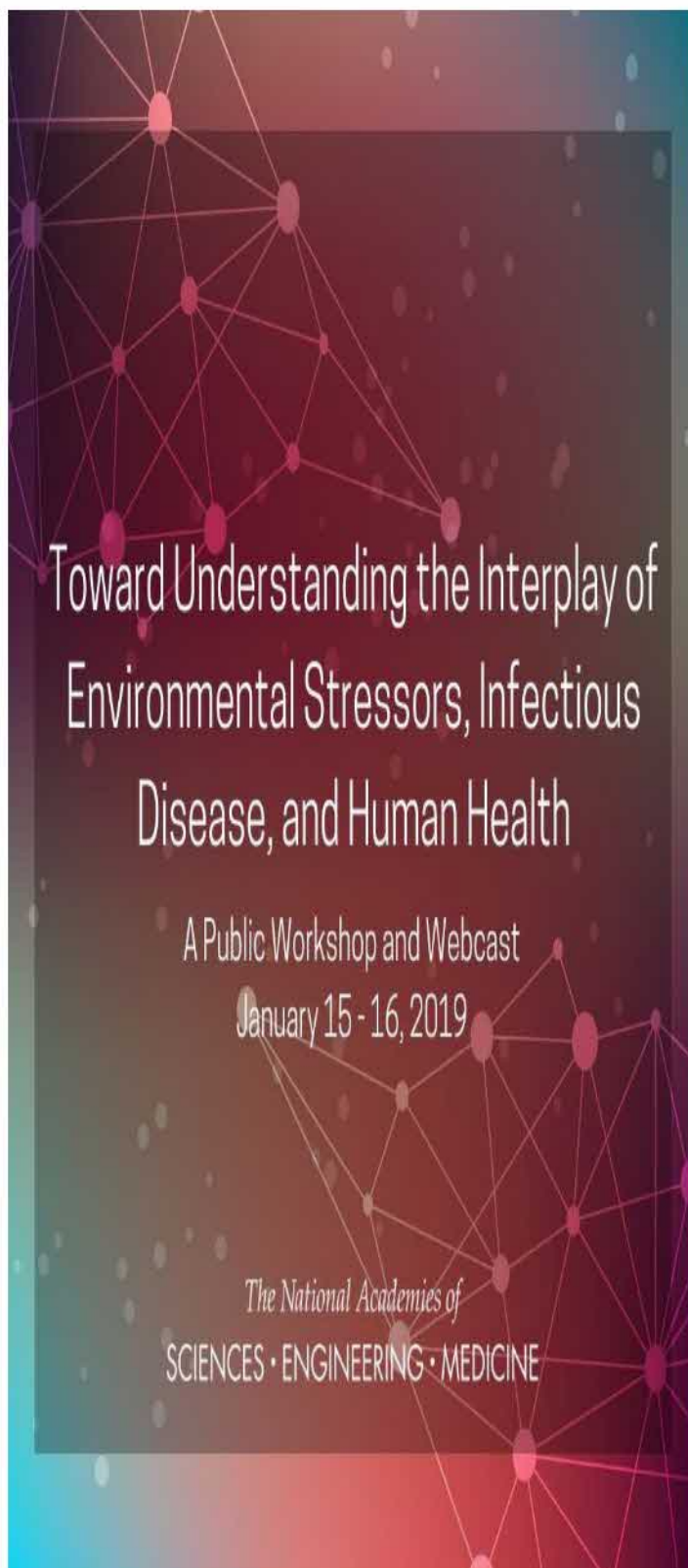
The National Academies of
SCIENCES • ENGINEERING • MEDICINE

On June 6-7, 2019 the Standing Committee on the Use of Emerging Science for Environmental Health Decisions convened a [workshop](#) to explore the potential for artificial intelligence (AI) and machine learning to transform environmental health research. Artificial intelligence (AI)—or the ability of machines to carry out “smart” tasks— is a technological invention that promises to transform everyday life and the world. Growth in AI applications driven largely by advancements in subfield of machine learning. Machine learning algorithms can analyze large volumes of complex data to find patterns and make predictions, often exceeding the accuracy and efficiency of people who are attempting the same task. Scientists are beginning to apply AI and machine learning to characterize sources of pollution, predict chemical toxicity, estimate human exposure to contaminants, and predict health outcomes that result from human exposure to contaminants. Yet, these emerging applications also raise many questions about transparency, interpretability, and the reproducibility and replicability of AI and machine learning. These issues could deliver misleading or inaccurate results, and

potentially diminish social trust in research and decisions based on AI and machine learning. This new publication summarizes the workshop presentations and discussions on this important topic.

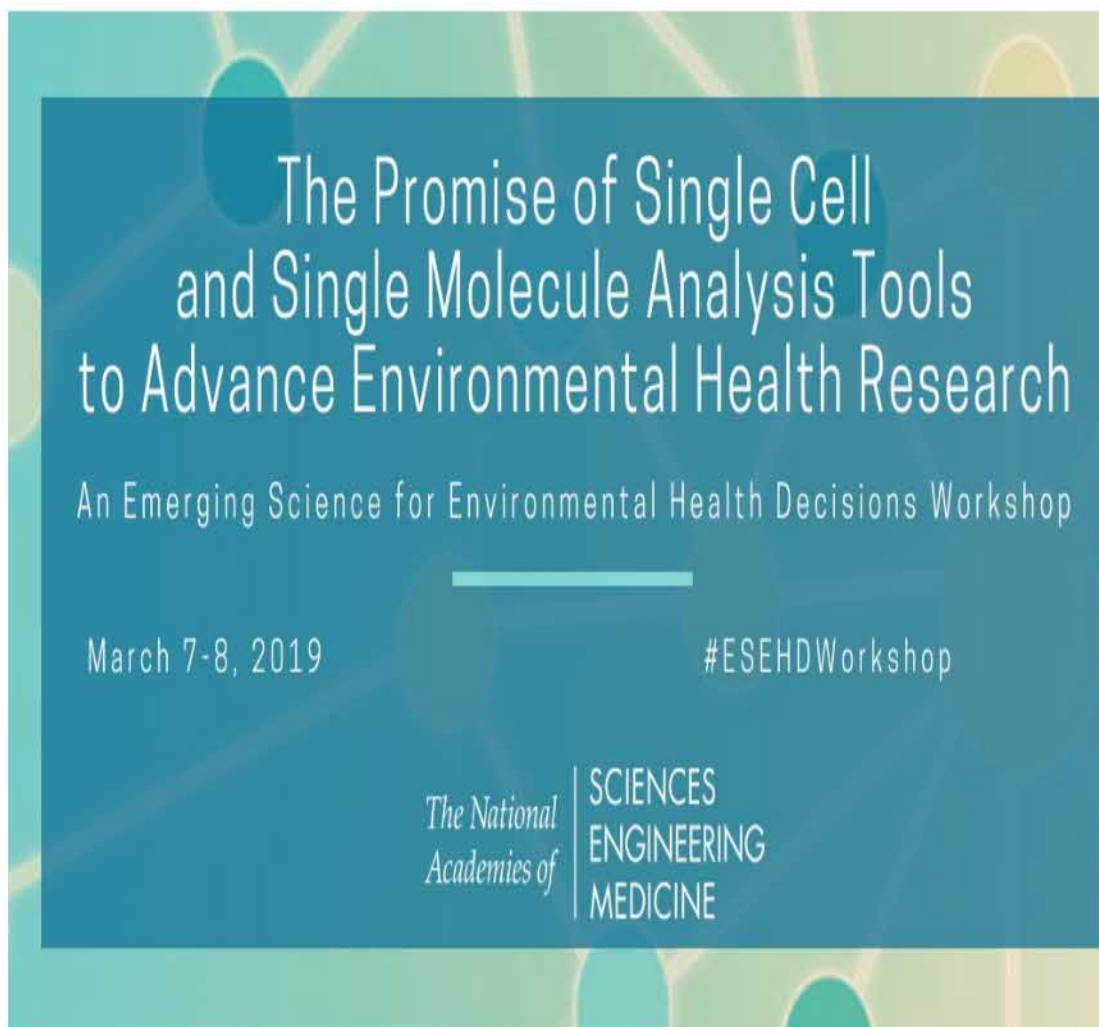
[Get the Workshop Proceedings in Brief](#)

In Case You Missed It...



In January 2019, leading experts gathered at the workshop *Toward Understanding the Interplay of Environmental Stressors, Infectious Disease, and Human Health* to discuss the range of emerging evidence on the links between human exposure to environmental pollutants and susceptibility to infectious disease.

[Learn more about this workshop](#)



New tools are rapidly emerging to isolate the study cells and molecules one-by-one, allowing scientists to understand more about how biological interactions at such a small scale contribute to health and disease. A March 2019 ESEHD workshop focused on the development and use of single cell and single molecule tools, and explored their emerging uses in environmental health research.

[Learn more about this workshop](#)



Share



Tweet



Forward

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this email because you opted in to emails from a unit or project in the Division on Earth
Life Studies.

Our mailing address is:

National Academy of Sciences
500 Fifth Street NW
Washington, DC 20001

[Add us to your address book](#)

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#).

From: Emerging Science for Environmental Health Decisions
Sent: 10 Feb 2020 20:15:00 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Now Available: Microplastics Presentations and Videos

[View this email in your browser](#)

The National
Academies of

SCIENCES
ENGINEERING
MEDICINE

EARTH AND LIFE STUDIES

Emerging Science for Environmental Health Decisions

Presentations and Videos Now Available:

Emerging Technologies to Advance Research and Decisions on the Environmental Health Effects of Microplastics: A Workshop

A workshop of the [Standing Committee on the Use of Emerging Science
for Environmental Health Decisions](#)

On January 27-28 experts on microplastics, toxicology, human health, environmental law and science policy came together to explore emerging methods to detect and quantify microplastics in food and the environment. Participants delved into research on the effects of microplastics on the health of humans and wildlife, and discussed ways to reduce microplastics in the environment. The workshop finished with an exploration of how these new approaches may be leveraged to inform public health and policy questions.

Many notable experts spoke and engaged in discussion at the workshop including:

- **Kara Lavender Law**, Sea Education Association (Keynote Speaker) – The State of Knowledge on Microplastics and Their Impact on Environmental Health
- **Elke Anklam**, Joint Research Centre of the European Commissions – Filling the

Knowledge Gaps to Manage the Challenges Related to Microplastics in the Environment and Food

- **Greg Zarus**, Agency for Toxic Substances and Disease Registry – Data Needs to Evaluate Human Exposures to Microplastics in Air & Water
- **Allen Burton**, University of Michigan – Adverse Effects of Microplastics in Aquatic Ecosystems are Questionable
- **Rebecca Traldi**, World Wildlife Fund – No Plastics in Nature: Preventing Secondary Sources of Microplastics in the Environment
- **Steve A. Carr**, Sanitation Districts of Los Angeles County – Removal of Microplastics from Wastewater
- **Mary Ellen Ternes**, Earth & Water Law, LLC – Microplastics: Law and Policy Landscape

[Read](#) the workshop agenda and background materials

[View and Download](#) speaker presentation slides

[Watch](#) video recordings

Want a Brief Recap?

- Watch [Workshop Objectives](#) by Kevin Elliott of Michigan State University (~7 minutes)
- Watch [Day 1 Closing Remarks](#) by Mark Hahn of the Woods Holes Oceanographic Institution (~20 minutes)
- View [Day 2 Closing Remarks](#) by Kathleen McDonough of Proctor & Gamble (~11 minutes)

Written workshop proceedings will be published in Spring 2020. Stay tuned!

Register Now:

Integrating the Science of Aging and Environmental Health Research

A workshop of the [Standing Committee on the Use of Emerging Science for Environmental Health Decisions](#)



Date Change: April 7-8

Washington, D.C., and via webcast

This workshop will explore emerging research at the intersection between aging, longevity, environmental exposures, and human health. Workshop speakers will detail emerging research findings through two lenses:

1. How environmental exposures influence or mediate aging; and
2. How aging influences environmentally-mediated health outcomes.

Participants will also explore research opportunities and needs, enabling technologies and analytical tools, and mechanisms to anticipate and use new data to inform decisions about

personal health choices, public health and medical practice, or environmental regulation.

[Register Here](#)



Forward This Email



Share



Tweet



Share

The National Academies' Standing Committee on Use of Emerging Science for Environmental Health Decisions (ESEHD) examines and discusses issues on the use of new science, tools, and research methodologies for environmental health decisions. Workshops convened by the ESEHD committee provide a public venue for communication among government, industry, environmental groups, and the academic community about scientific discoveries and advances in methods and approaches that can be used in the identification, quantification, and control of environmental impacts on human health. The ESEHD committee is organized under the auspices of [Board on Life Sciences](#) and the [Board on Environmental Studies and Toxicology](#) of the [National Academies of Sciences, Engineering, and Medicine](#), and sponsored by the [National Institute of Environmental Health Sciences](#).

You are receiving this email because you subscribed for updates from the Emerging Science for Environmental Health Decisions (or because it was forwarded to you by a colleague). [Manage your subscription preferences here.](#)

Copyright © 2020 Emerging Science for Environmental Health Decisions, All rights reserved.

You are receiving this because you subscribed to emails from Emerging Science for Environmental Health Decisions, a board of the Division on Earth and Life Sciences from the National Academies.

Our mailing address is:

Emerging Science for Environmental Health Decisions
500 Fifth Street NW
Washington, DC 20001

[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)



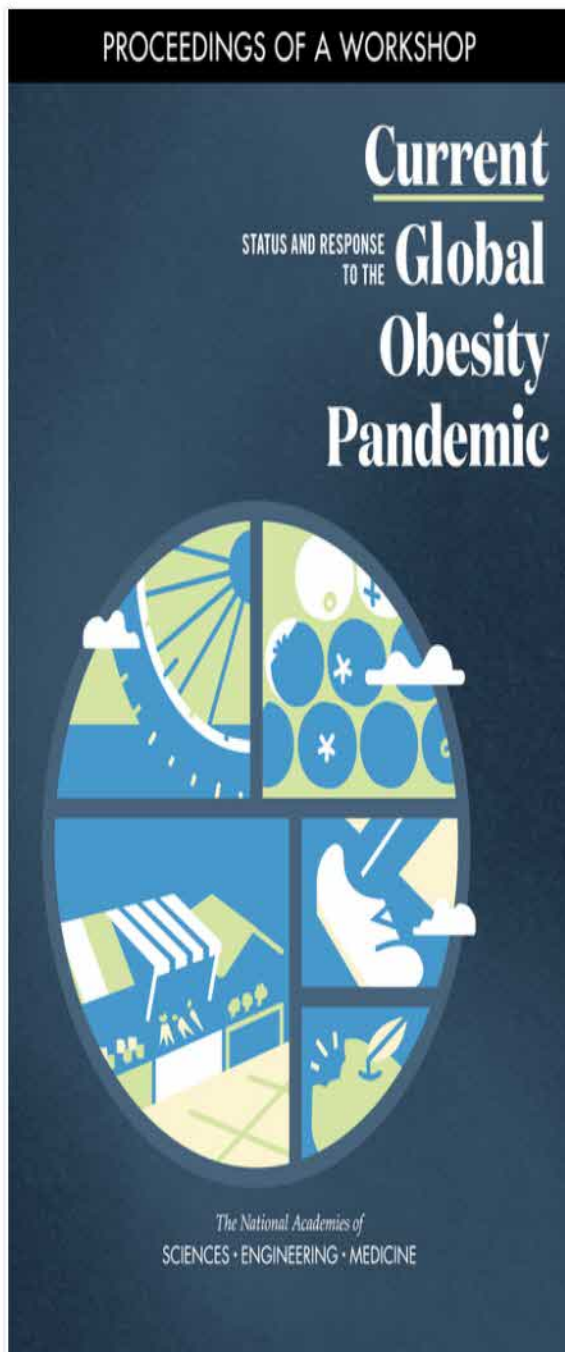
From: National Academies
Sent: 25 Jun 2019 19:05:24 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: NOW AVAILABLE: Current Status and Response to the Global Obesity
Pandemic: Proceedings of a Workshop

Now available from NAP.edu

[Read this in your browser.](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

FINAL BOOK NOW AVAILABLE



Current Status and Response to the Global Obesity Pandemic: Proceedings of a Workshop

The increasing prevalence and burden of obesity transcends borders, straining populations worldwide. Data shows that 50 million girls, 74 million boys, 390 million women, and 281 million men were estimated to have obesity in 2016 (NCD-RisC, 2017).

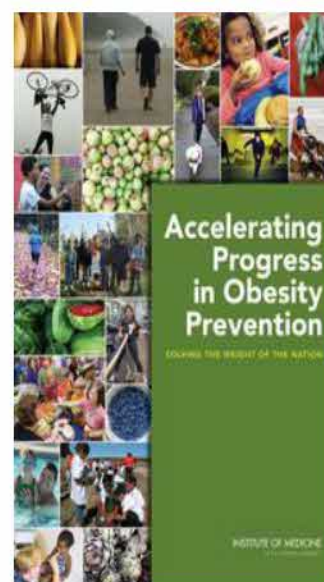
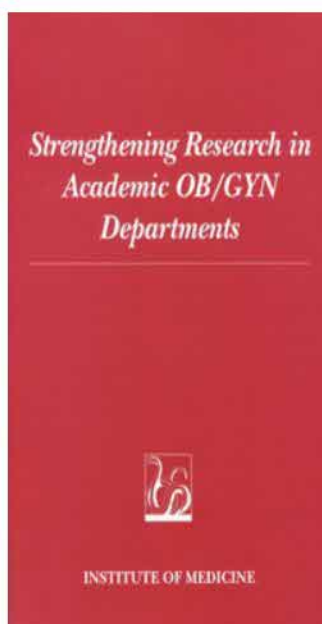
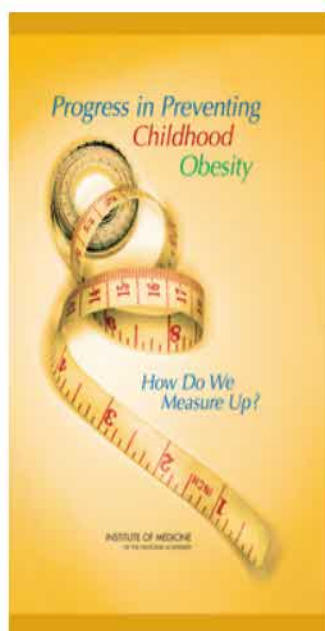
The National Academies of Sciences, Engineering, and Medicine convened a workshop on October 9, 2018 to address the status of the global obesity pandemic and discuss diverse

approaches to manage this problem. Speakers examined the ...

[\[read more\]](#)

	Buy This Book
	Download Free PDF

You may also like...



You're receiving this notification because you signed up for information on new reports from the National Academies Press.

Update My Preferences	Unsubscribe
---------------------------------------	-----------------------------

The National Academies Press
500 5th St., NW
Washington, DC 20001

From: National Academies
Sent: 6 Feb 2019 19:24:39 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Our Annotations on the 2019 State Of The Union

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



2019 State of the Union

ANNOTATED WITH LINKS TO OBJECTIVE RESEARCH FROM THE
NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE

[NAP.edu/2019SOTU](https://nap.edu/2019SOTU)



Just as every year's State of the Union speech covers the massive breadth of issues facing our nation, so too does the independent research of the National Academies of Sciences, Engineering, and Medicine.

From: National Academies
Sent: 6 Feb 2020 01:10:41 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Our Annotations on the 2020 State of The Union

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

2020

STATE OF THE UNION

Annotated with links to objective
research from the National
Academies of Sciences,
Engineering, and Medicine.

[NAP.edu/2020SOTU](https://nap.edu/2020SOTU)



Just as every year's State of the Union speech covers the massive breadth of issues facing our nation, so too does the independent research of the National Academies. Every year since 2009, we've taken the transcript of the State of the Union speech and annotated it to spotlight the work we've done on the same topics.

[Read the Annotated 2020 SOTU](#)

YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 6 Feb 2020 01:02:07 +0000
To: Miller, Elaine R. (CDC/DDID/NCEZID/DHQP)
Subject: Our Annotations on the 2020 State of The Union

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

2020

STATE OF THE UNION

Annotated with links to objective
research from the National
Academies of Sciences,
Engineering, and Medicine.

[NAP.edu/2020SOTU](https://nap.edu/2020SOTU)



Just as every year's State of the Union speech covers the massive breadth of issues facing our nation, so too does the independent research of the National Academies. Every year since 2009, we've taken the transcript of the State of the Union speech and annotated it to spotlight the work we've done on the same topics.

[Read the Annotated 2020 SOTU](#)

YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Agriculture • Behavioral and Social Sciences • Biography and Autobiography • Biology and Life Sciences • Computers and Information Technology • Conflict and Security Issues • Earth Sciences • Education • Energy and Energy Conservation • Engineering and Technology • Environment and Environmental Studies • Food and Nutrition • Health and Medicine • Industry and Labor • Math, Chemistry, and Physics • Policy for Science and Technology • Space and Aeronautics •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 6 Feb 2020 01:11:40 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Our Annotations on the 2020 State of The Union

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

2020

STATE OF THE UNION

Annotated with links to objective
research from the National
Academies of Sciences,
Engineering, and Medicine.

[NAP.edu/2020SOTU](https://nap.edu/2020SOTU)



Just as every year's State of the Union speech covers the massive breadth of issues facing our nation, so too does the independent research of the National Academies. Every year since 2009, we've taken the transcript of the State of the Union speech and annotated it to spotlight the work we've done on the same topics.

[Read the Annotated 2020 SOTU](#)

YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 31 Dec 2019 00:53:33 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Our Most Downloaded 2019 Publications

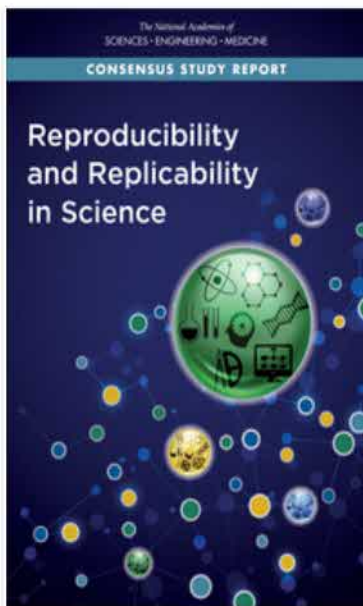
[Read this in your browser.](#)

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

Our Most Downloaded Titles of 2019

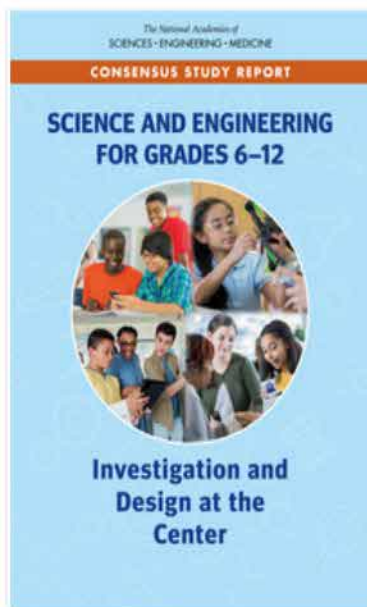
It's been a busy year at the National Academies of Sciences, Engineering, and Medicine. Our 2019 publications address today's most pressing issues and provide guidance to inform our future, offering authoritative, independently-researched information on important matters in science and health policy. We've reached a record number of readers with 1,621,219 PDF downloads from 233 countries.

Here's a list of the top 25 most downloaded titles of 2019.

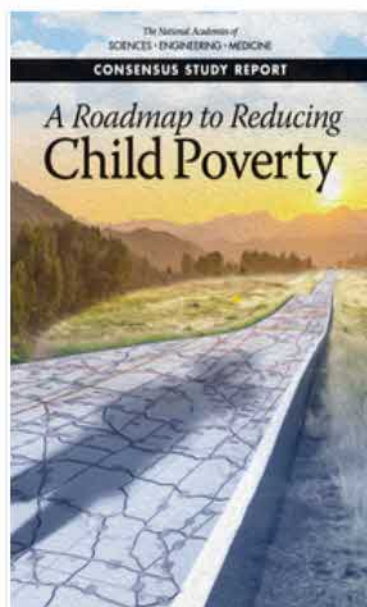


Reproducibility and Replicability in Science



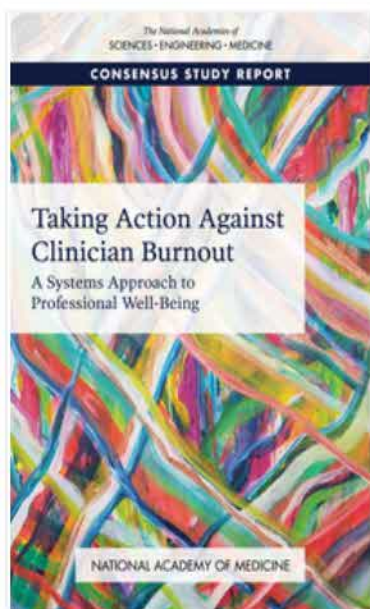


Science and Engineering for Grades 6-12: Investigation and Design at the Center

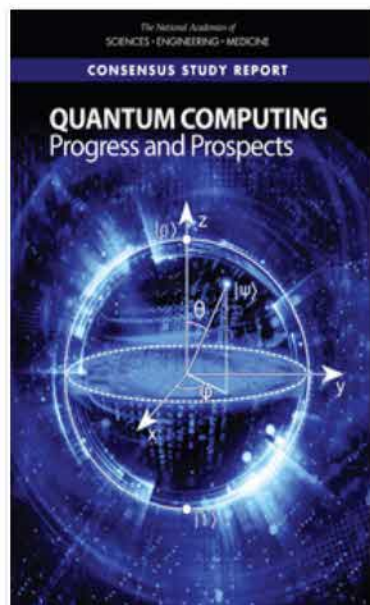


A Roadmap to Reducing Child Poverty





Taking Action Against Clinician Burnout: A Systems Approach to Professional Well-Being

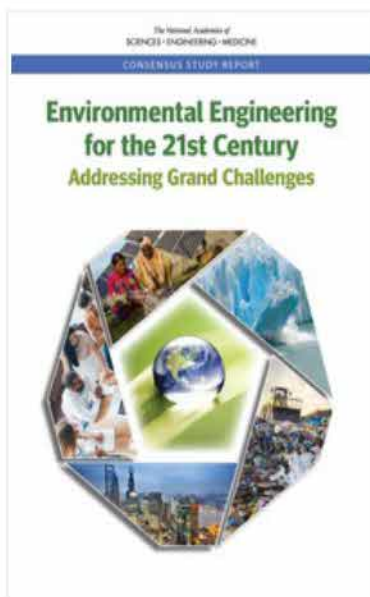


Quantum Computing: Progress and Prospects





The Promise of Adolescence: Realizing Opportunity for All Youth



Environmental Engineering for the 21st Century: Addressing Grand Challenges



 [Download Free PDF](#)



Medications for Opioid Use Disorder Save Lives

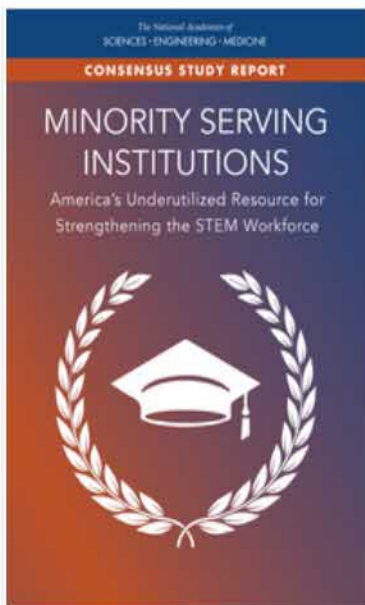
 [Buy This Book](#)

 [Download Free PDF](#)



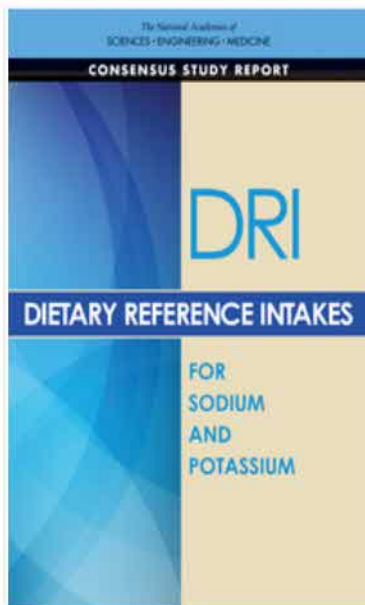
Integrating Social Care into the Delivery of Health Care: Moving Upstream to Improve the Nation's Health

 [Buy This Book](#)



Minority Serving Institutions: America's Underutilized Resource for Strengthening the STEM Workforce



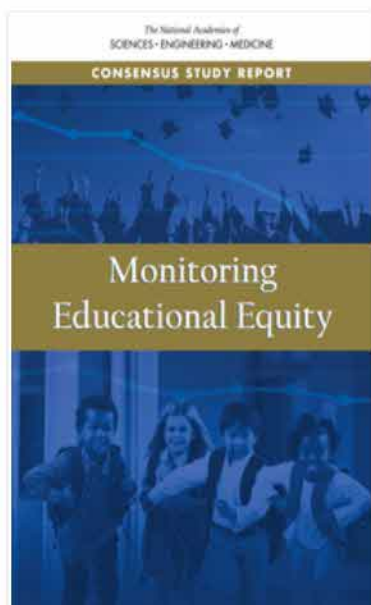


Dietary Reference Intakes for Sodium and Potassium



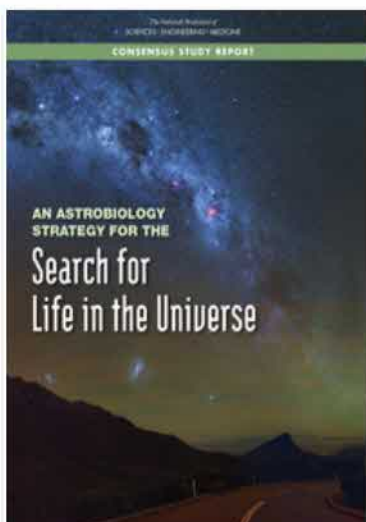
Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity

	Buy This Book
	Download Free PDF



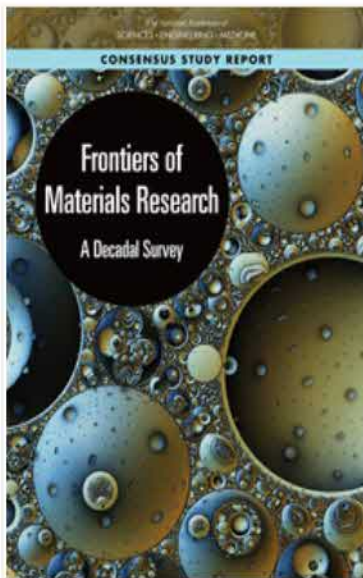
Monitoring Educational Equity

	Buy This Book
	Download Free PDF



An Astrobiology Strategy for the Search for Life in the Universe

	Buy This Book
	Download Free PDF



Frontiers of Materials Research: A Decadal Survey

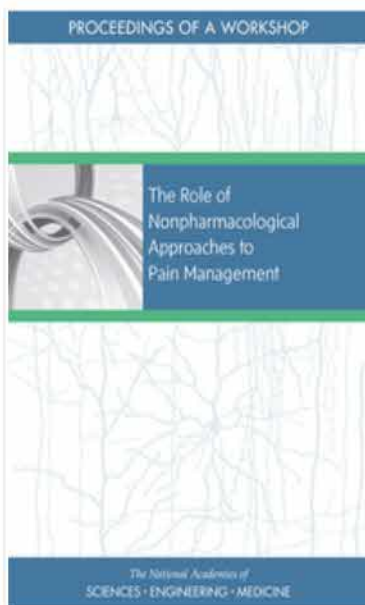


Investing in Interventions That Address Non-Medical, Health-Related Social Needs: Proceedings of a Workshop





Download Free PDF



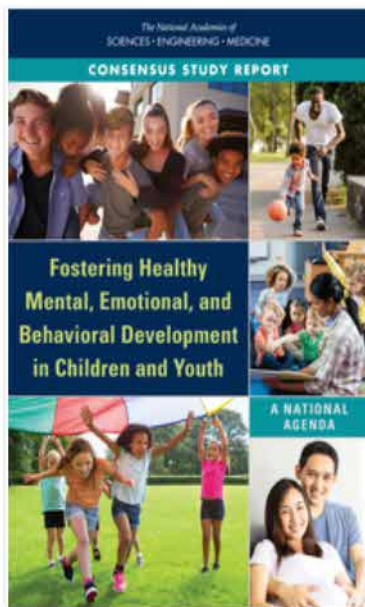
The Role of Nonpharmacological Approaches to Pain Management:
Proceedings of a Workshop



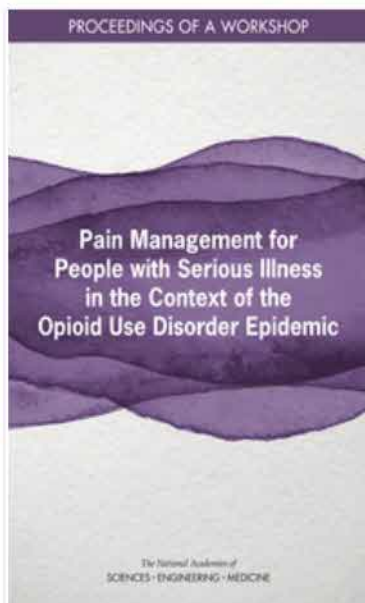
Buy This Book



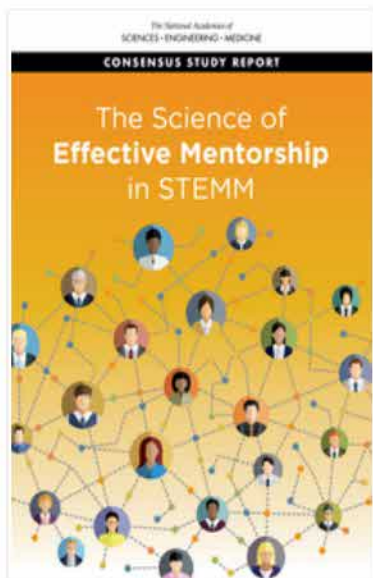
Download Free PDF



Fostering Healthy Mental, Emotional, and Behavioral Development in Children and Youth: A National Agenda



Pain Management for People with Serious Illness in the Context of the Opioid Use Disorder Epidemic: Proceedings of a Workshop

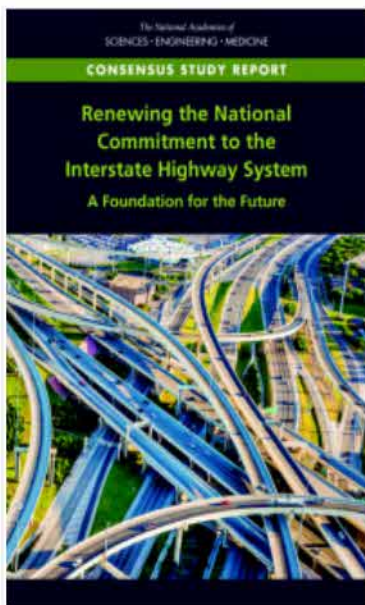


The Science of Effective Mentorship in STEMM



Forest Health and Biotechnology: Possibilities and Considerations





Renewing the National Commitment to the Interstate Highway System: A Foundation for the Future

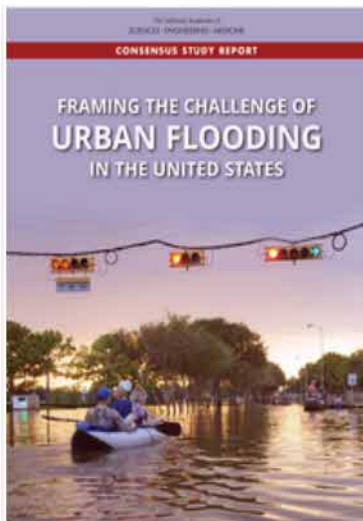


Final Report of the Committee on a Strategic Plan for U.S. Burning Plasma

Research



Management of Legionella in Water Systems



Framing the Challenge of Urban Flooding in the United States



[Download Free PDF](#)

You're receiving this notification because you signed up for information on new reports from the National Academies Press.

[Update My Preferences](#)[Unsubscribe](#)

The National Academies Press
500 5th St., NW
Washington, DC 20001

From: NASEM Environmental Health Matters Initiative
Sent: 5 Aug 2019 14:00:05 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: PFAS Questionnaire: Provide your Expertise

[View this email in your browser](#)

The National
Academies of
SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE

Input Questionnaire:

Identifying Opportunities to Understand, Control, and Prevent Exposure to PFAS

An Environmental Health Matters Initiative Workshop | September 26-27, 2019



The National Academies' Environmental Health Matters Initiative (EHMI) staff is currently collecting input regarding the topic of our first public workshop, [Identifying Opportunities to Understand, Control, and Prevent Exposure to PFAS](#). The workshop will be held on September 26-27, 2019 and will discuss human

exposure to perfluoroalkyl and polyfluoroalkyl substances (PFAS) as well as innovative approaches to controlling and preventing exposure.

We invite you to share your insights about exposure, control, and prevention of PFAS. What needs to be done? Who needs to act? What are the barriers to action? Your valuable input will help the organizing committee prepare and shape the workshop discussions.

We also welcome you to forward our invitation for input with interested colleagues.

Please submit your ideas no later than 11:59 p.m. August 19, 2019.

Provide Input Here

Through meetings and workshops, the Environmental Health Matters Initiative (EHMI) brings together leaders from various sectors and disciplines to identify important environmental health problems, explore their complexity, and advance solutions to address those issues.



Share



Tweet



Forward

Copyright © 2019 National Academy of Sciences, All rights reserved.

Our mailing address is:
The National Academy of Sciences
500 Fifth Street NW
Washington, D.C. 20001

[unsubscribe from this list](#) [update subscription preferences](#)

You are receiving this email because you opted in to emails from the Environmental Health Matters Initiative, Board on Chemical Sciences and Technology, Water Science and Technology Board, and/or Board on Environmental Studies and Toxicology.

From: Young, Kossana
Sent: 22 Jan 2020 19:13:03 +0000
To: Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Guy Palmer;Janet Hemingway;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Lisa Conti;Patricia Conrad;Peter Rabinowitz;Zabta Shinwari;Newman, Robert
Cc: Thevenon, Audrey
Subject: Potential One Health Symposium Dates

Hello Committee Members,

I would like to thank those of you who took the time to complete the survey we sent out last week in regards to the One Health Research Symposium. As of now it looks like the last week of July (July 27 – 31, 2020) will work best for our meeting dates in Kenya.

May you please review your calendars and respond to this email if you **cannot attend on these dates?** We would like to get a better understanding of what committee members will be able to attend before we send a calendar invite.

Thanks in advance!

Kind regards,
Kossana

Kossana Young
Senior Program Assistant
Board on Life Sciences
National Academies of Sciences, Engineering and Medicine
500 5th St NW Keck Center | Washington, DC 20001
KYoung@nas.edu
(202) 334-3349

From: NASEM Forum on Public-Private Partnerships for Global Health and Safety
Sent: 5 Jul 2019 16:03:21 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: PRESENTATIONS ONLINE - Health-Focused Public-Private Partnerships in the Urban Context -- Recent Workshop

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Videos and Presentations Now Available!
**Health-Focused Public-Private Partnerships in the
Urban Context**

Videos and Presentations from *Health-Focused Public-Private Partnerships in the Urban Context - A Workshop* are now available to view on the [meeting webpage](#).

**Watch
Now**

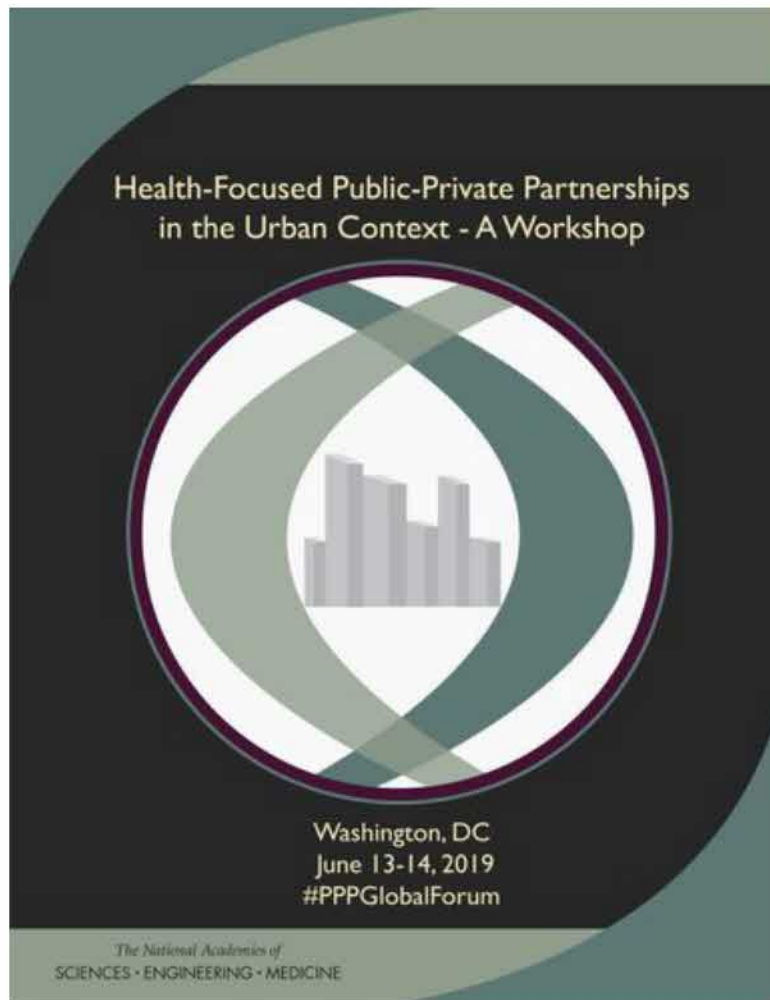
On June 13, 2019, the National Academies' [Forum on Public-Private Partnerships for Global Health and Safety](#) (PPP Forum) convened a 2-day workshop to explore the role of public-private partnerships in urban health, a perspective of global health that plays an increasingly vital role in sustainable development and planetary health.

More than half of the world's population lives in cities; however, the international development community has largely concentrated on rural populations, and United Nations agencies have remained predominately focused on national level plans and programs.

While these models remain important, the United Nations and the international community have acknowledged the importance of the urban context for development policy and planning and for achieving national and global development goals for 2030 and beyond. The purpose of this workshop is to draw attention to the health determinants and inequities of populations living in urban environments and the challenges faced in establishing urban population health. It will also illuminate some of the intervention strategies that have been designed to attenuate these urban health issues and will highlight the importance of public-private partnerships and the role of urban level governance in such remediation efforts.

Through facilitating discussion from those in both the public and private sector, as well as those in positions of governance, the workshop will set the platform to share best practices on how to address health challenges through interventions that target healthier urban populations. Presentations and discussions will identify the role of cities in planetary health; the determinants of health and health inequities found in urban environments; global health transitions that focus on the urban context; the evidence and challenges of urban health initiatives; the effects of urbanization and urban planning on health; the effects of food, agriculture, and transportation systems on urban population health; and the roles of digital technology and AI in improving urban health.

Presentations and Further Information



The [Forum on Public-Private Partnerships for Global Health and Safety](#) launched in the fall of 2013 and is reflective of the growing role of the private sector in contributing to diverse global health initiatives. This forum seeks to foster a collaborative community of multisectoral health and safety leaders from multinational companies, as well as members from governments, foundations, humanitarian and professional organizations, academia, and civil society to leverage the strengths of varying sectors and multiple disciplines to yield benefits for global health and safety.

Want more emails like this? [Sign up](#) for all of our emails on this topic.





National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences. All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: Anwar Nasim
Sent: 19 Feb 2020 16:06:45 -0400
To: Young, Kossana
Cc: Anthony Huszar; Claire Standley; David Hayman; Erum Khan; Guy Palmer; Janet Hemingway; Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP); Lisa Conti; Newman, Robert; Patricia Conrad; Peter Rabinowitz; Thevenon, Audrey; Zabta Shinwari
Subject: Re: Confirmed dates for the One-Health Research Symposium

Thanks for the update! best regards

On Wed, Feb 19, 2020 at 3:04 PM Young, Kossana <KYoung@nas.edu> wrote:

Hello Committee Members,

Our confirmed dates for the One-Health Research Symposium are **Sunday, August 2 – Thursday, August 6**. As you know, we had to adjust the dates due to Eid-ul-Adha. Thank you so much for your patience and understanding. We hope you can all make it! I will be sending a calendar invite shortly.

If you have any questions or concerns please do not hesitate to ask.

Best,

Kossana

--

Dr. Anwar Nasim
Mobile 647-308-6160

From: Hayman, David
Sent: 24 Jan 2020 03:35:59 +0000
To: Young, Kossana; Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP); Palmer, Guy Hughes; Patricia Conrad; Thevenon, Audrey
Cc: Anthony Huszar; Anwar Nasim; Claire Standley; Erum Khan; Janet Hemingway; Lisa Conti; Peter Rabinowitz; Zabta Shinwari; Newman, Robert
Subject: RE: Updates on the Fellowship Program - We are back!

Dear all,

Apologies for the silence, I was on leave and I have just got to this. Email traffic these days is a killer. Anyway, I wanted to reply here to say how good it is to read this email below. Thank you Audrey. I really look forward to seeing everyone again (& meeting the few of you I haven't met). I'll reply to the other email I see that just arrived today re the dates.

Dave

From: Young, Kossana <KYoung@nas.edu>
Sent: Friday, 17 January 2020 5:24 AM
To: Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP) <kil6@cdc.gov>; Palmer, Guy Hughes <gpalmer@wsu.edu>; Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; Hayman, David <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari <shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>
Subject: RE: Updates on the Fellowship Program - We are back!

Hello all,

The survey has been updated to include dates through August. If you completed the survey already, may you please redo it to include your availability in July/August?

<https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you! If you have any questions please do not hesitate to ask.

Best,
Kossana

From: Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP) <kil6@cdc.gov>
Sent: Thursday, January 16, 2020 11:13 AM
To: Palmer, Guy Hughes <gpalmer@wsu.edu>; Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari

<shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>

Subject: RE: Updates on the Fellowship Program - We are back!

Hi Audrey,

Thanks a lot for the very helpful update. Good to see the program still going on. I sent my dates as well, but can also look at July if that works for others.

Thx

Kashef

From: Palmer, Guy Hughes <gpalmer@wsu.edu>

Sent: Thursday, January 16, 2020 7:34 AM

To: Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>

Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Palmer, Guy Hughes <gpalmer@wsu.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP) <kil6@cdc.gov>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari <shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>

Subject: Re: Updates on the Fellowship Program - We are back!

Hi Audrey—I sent my dates in. I could also look at July if that worked better. Guy

Guy H. Palmer

Regents Professor of Pathology and Infectious Diseases

The Jan and Jack Creighton Endowed Chair & Senior Director of Global Health

Washington State University

Chair, Washington State University Global Health-Kenya

President, Global Animal Health Tanzania

Director, Rabies Free Africa

On Jan 15, 2020, at 10:20 PM, Patricia Ann Conrad <paconrad@ucdavis.edu> wrote:

Nice email summary Audrey!

So glad that you were able to get to Pakistan in November to meet with our partners. Congratulations on 'keeping the boat afloat' despite all of the challenges you have faced in the past year.

Scheduling is always a challenge. I completed the doodle poll as requested. Unfortunately, I only have one period, May 18-23, of the dates you provided that I would be available to travel to Kenya for our One Health Research Symposium with the fellows. July would be much better for me.

best wishes,
Pat

Patricia Conrad DVM, PhD
Distinguished Professor
Associate Dean for Global Programs
School of Veterinary Medicine
University of California, Davis
Co-Director, University of California Global Health Institute
paconrad@ucdavis.edu
Cell phone: 530-219-4079
<http://www.vetmed.ucdavis.edu/global-programs/>

From: "Thevenon, Audrey" <AThevenon@nas.edu>
Date: Wednesday, January 15, 2020 at 2:10 PM
To: Anthony Huszar <Anthony.Huszar@mottmac.com>, Anwar Nasim <dranwarnasim@gmail.com>, Claire Standley <cjs322@georgetown.edu>, David Hayman <D.T.S.Hayman@massey.ac.nz>, Erum Khan <erum.khan@aku.edu>, Guy Palmer <gpalmer@vetmed.wsu.edu>, Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>, Kashef Ijaz <kil6@cdc.gov>, Lisa Conti <Lisa.Conti@freshfromflorida.com>, Pat Conrad <paconrad@ucdavis.edu>, Peter Rabinowitz <peter7@u.washington.edu>, Zabta Shinwari <shinwari2002@yahoo.com>, "Newman, Robert" <Robert.Newman@aspeninstitute.org>
Cc: "Young, Kossana" <KYoung@nas.edu>
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.
 - c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)
2. BUT we accomplished a lot in 2019!
 - a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.
 - b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
 - c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.
 - d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.
 - e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!
 - f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.
3. We need to find a date for the next/last meeting in (hopefully) Kenya:

Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible. Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,
Audrey

Audrey D. Thévenon, PhD
Program Officer
Board on Life Sciences
Managing Editor
ILAR Journal

The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW - K642
Washington, DC 20001
Ph: 202-334-2814 | athevenon@nas.edu
<http://www.nationalacademies.org/>

From: Thevenon, Audrey
Sent: 17 Jan 2020 00:58:10 +0000
To: Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP)
Subject: RE: Updates on the Fellowship Program - We are back!

Thank you so much!

Yes! If you have not done so yet, it would be fabulous if you could enter your availability in July and August.

Best,
Audrey

From: Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP) <kil6@cdc.gov>
Sent: Thursday, January 16, 2020 11:13 AM
To: Palmer, Guy Hughes <gpalmer@wsu.edu>; Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari <shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>
Subject: RE: Updates on the Fellowship Program - We are back!

Hi Audrey,

Thanks a lot for the very helpful update. Good to see the program still going on. I sent my dates as well, but can also look at July if that works for others.

Thx
Kashef

From: Palmer, Guy Hughes <gpalmer@wsu.edu>
Sent: Thursday, January 16, 2020 7:34 AM
To: Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Palmer, Guy Hughes <gpalmer@wsu.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP) <kil6@cdc.gov>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari <shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>
Subject: Re: Updates on the Fellowship Program - We are back!

Hi Audrey—I sent my dates in. I could also look at July if that worked better. Guy

Guy H. Palmer

*Regents Professor of Pathology and Infectious Diseases
The Jan and Jack Creighton Endowed Chair & Senior Director of Global Health
Washington State University*

*Chair, Washington State University Global Health-Kenya
President, Global Animal Health Tanzania
Director, Rabies Free Africa*

On Jan 15, 2020, at 10:20 PM, Patricia Ann Conrad <paconrad@ucdavis.edu> wrote:

Nice email summary Audrey!

So glad that you were able to get to Pakistan in November to meet with our partners. Congratulations on 'keeping the boat afloat' despite all of the challenges you have faced in the past year.

Scheduling is always a challenge. I completed the doodle poll as requested. Unfortunately, I only have one period, May 18-23, of the dates you provided that I would be available to travel to Kenya for our One Health Research Symposium with the fellows. July would be much better for me.

best wishes,
Pat

Patricia Conrad DVM, PhD
Distinguished Professor
Associate Dean for Global Programs
School of Veterinary Medicine
University of California, Davis
Co-Director, University of California Global Health Institute
paconrad@ucdavis.edu
Cell phone: 530-219-4079
<http://www.vetmed.ucdavis.edu/global-programs/>

From: "Thevenon, Audrey" <AThevenon@nas.edu>
Date: Wednesday, January 15, 2020 at 2:10 PM
To: Anthony Huszar <Anthony.Huszar@mottmac.com>, Anwar Nasim <dranwarnasim@gmail.com>, Claire Standley <cjs322@georgetown.edu>, David

Hayman <D.T.S.Hayman@massey.ac.nz>, Erum Khan <erum.khan@aku.edu>, Guy Palmer <gpalmer@vetmed.wsu.edu>, Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>, Kashef Ijaz <kil6@cdc.gov>, Lisa Conti <Lisa.Conti@freshfromflorida.com>, Pat Conrad <paconrad@ucdavis.edu>, Peter Rabinowitz <peterr7@u.washington.edu>, Zabta Shinwari <shinwari2002@yahoo.com>, "Newman, Robert" <Robert.Newman@aspeninstitute.org>
Cc: "Young, Kossana" <KYoung@nas.edu>
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.
 - c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)
2. BUT we accomplished a lot in 2019!
 - a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.
 - b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
 - c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.

- d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.
 - e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!
 - f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.
3. **We need to find a date for the next/last meeting in (hopefully) Kenya:**
Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible.
Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,
Audrey

Audrey D. Thévenon, PhD
Program Officer
Board on Life Sciences
Managing Editor
ILAR Journal

The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW - K642
Washington, DC 20001
Ph: 202-334-2814 | athevenon@nas.edu
<http://www.nationalacademies.org/>

From: Young, Kossana
Sent: 16 Jan 2020 16:23:35 +0000
To: Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP); Palmer, Guy Hughes; Patricia Conrad; Thevenon, Audrey
Cc: Anthony Huszar; Anwar Nasim; Claire Standley; David Hayman; Erum Khan; Janet Hemingway; Lisa Conti; Peter Rabinowitz; Zabta Shinwari; Newman, Robert
Subject: RE: Updates on the Fellowship Program - We are back!

Hello all,

The survey has been updated to include dates through August. If you completed the survey already, may you please redo it to include your availability in July/August?

<https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you! If you have any questions please do not hesitate to ask.

Best,
Kossana

From: Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP) <kil6@cdc.gov>
Sent: Thursday, January 16, 2020 11:13 AM
To: Palmer, Guy Hughes <gpalmer@wsu.edu>; Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari <shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>
Subject: RE: Updates on the Fellowship Program - We are back!

Hi Audrey,

Thanks a lot for the very helpful update. Good to see the program still going on. I sent my dates as well, but can also look at July if that works for others.

Thx
Kashef

From: Palmer, Guy Hughes <gpalmer@wsu.edu>
Sent: Thursday, January 16, 2020 7:34 AM
To: Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Palmer, Guy Hughes <gpalmer@wsu.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP) <kil6@cdc.gov>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari

<shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>

Subject: Re: Updates on the Fellowship Program - We are back!

Hi Audrey—I sent my dates in. I could also look at July if that worked better. Guy

Guy H. Palmer

Regents Professor of Pathology and Infectious Diseases

The Jan and Jack Creighton Endowed Chair & Senior Director of Global Health

Washington State University

Chair, Washington State University Global Health-Kenya

President, Global Animal Health Tanzania

Director, Rabies Free Africa

On Jan 15, 2020, at 10:20 PM, Patricia Ann Conrad <paconrad@ucdavis.edu> wrote:

Nice email summary Audrey!

So glad that you were able to get to Pakistan in November to meet with our partners. Congratulations on 'keeping the boat afloat' despite all of the challenges you have faced in the past year.

Scheduling is always a challenge. I completed the doodle poll as requested. Unfortunately, I only have one period, May 18-23, of the dates you provided that I would be available to travel to Kenya for our One Health Research Symposium with the fellows. July would be much better for me.

best wishes,

Pat

Patricia Conrad DVM, PhD

Distinguished Professor

Associate Dean for Global Programs

School of Veterinary Medicine

University of California, Davis

Co-Director, University of California Global Health Institute

paconrad@ucdavis.edu

Cell phone: 530-219-4079

<http://www.vetmed.ucdavis.edu/global-programs/>

From: "Thevenon, Audrey" <AThevenon@nas.edu>
Date: Wednesday, January 15, 2020 at 2:10 PM
To: Anthony Huszar <Anthony.Huszar@mottmac.com>, Anwar Nasim <dranwarnasim@gmail.com>, Claire Standley <cjs322@georgetown.edu>, David Hayman <D.T.S.Hayman@massey.ac.nz>, Erum Khan <erum.khan@aku.edu>, Guy Palmer <gpalmer@vetmed.wsu.edu>, Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>, Kashef Ijaz <kil6@cdc.gov>, Lisa Conti <Lisa.Conti@freshfromflorida.com>, Pat Conrad <paconrad@ucdavis.edu>, Peter Rabinowitz <peter7@u.washington.edu>, Zabta Shinwari <shinwari2002@yahoo.com>, "Newman, Robert" <Robert.Newman@aspeninstitute.org>
Cc: "Young, Kossana" <KYoung@nas.edu>
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.
 - c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)
2. BUT we accomplished a lot in 2019!
 - a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.

- b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
 - c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.
 - d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.
 - e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!
 - f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.
3. **We need to find a date for the next/last meeting in (hopefully) Kenya:**
Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible.
Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,
Audrey

Audrey D. Thévenon, PhD
Program Officer
Board on Life Sciences
Managing Editor
ILAR Journal

The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW - K642
Washington, DC 20001
Ph: 202-334-2814 | athevenon@nas.edu

<http://www.nationalacademies.org/>

From: Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP)
Sent: 16 Jan 2020 16:12:48 +0000
To: Palmer, Guy Hughes;Patricia Conrad;Thevenon, Audrey
Cc: Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Janet Hemingway;Lisa Conti;Peter Rabinowitz;Zabta Shinwari;Newman, Robert;Young, Kossana
Subject: RE: Updates on the Fellowship Program - We are back!

Hi Audrey,

Thanks a lot for the very helpful update. Good to see the program still going on. I sent my dates as well, but can also look at July if that works for others.

Thx
Kashef

From: Palmer, Guy Hughes <gpalmer@wsu.edu>
Sent: Thursday, January 16, 2020 7:34 AM
To: Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Palmer, Guy Hughes <gpalmer@wsu.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP) <kil6@cdc.gov>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari <shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>
Subject: Re: Updates on the Fellowship Program - We are back!

Hi Audrey—I sent my dates in. I could also look at July if that worked better. Guy

*Guy H. Palmer
Regents Professor of Pathology and Infectious Diseases
The Jan and Jack Creighton Endowed Chair & Senior Director of Global Health
Washington State University*

*Chair, Washington State University Global Health-Kenya
President, Global Animal Health Tanzania
Director, Rabies Free Africa*

On Jan 15, 2020, at 10:20 PM, Patricia Ann Conrad <paconrad@ucdavis.edu> wrote:

Nice email summary Audrey!

So glad that you were able to get to Pakistan in November to meet with our partners. Congratulations on 'keeping the boat afloat' despite all of the challenges you have faced in the past year.

Scheduling is always a challenge. I completed the doodle poll as requested. Unfortunately, I only have one period, May 18-23, of the dates you provided that I would be available to travel to Kenya for our One Health Research Symposium with the fellows. July would be much better for me.

best wishes,
Pat

Patricia Conrad DVM, PhD
Distinguished Professor
Associate Dean for Global Programs
School of Veterinary Medicine
University of California, Davis
Co-Director, University of California Global Health Institute
paconrad@ucdavis.edu
Cell phone: 530-219-4079
<http://www.vetmed.ucdavis.edu/global-programs/>

From: "Thevenon, Audrey" <AThevenon@nas.edu>
Date: Wednesday, January 15, 2020 at 2:10 PM
To: Anthony Huszar <Anthony.Huszar@mottmac.com>, Anwar Nasim <dranwarnasim@gmail.com>, Claire Standley <cjs322@georgetown.edu>, David Hayman <D.T.S.Hayman@massey.ac.nz>, Erum Khan <erum.khan@aku.edu>, Guy Palmer <gpalmer@vetmed.wsu.edu>, Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>, Kashef Ijaz <kil6@cdc.gov>, Lisa Conti <Lisa.Conti@freshfromflorida.com>, Pat Conrad <paconrad@ucdavis.edu>, Peter Rabinowitz <peter7@u.washington.edu>, Zabta Shinwari <shinwari2002@yahoo.com>, "Newman, Robert" <Robert.Newman@aspeninstitute.org>
Cc: "Young, Kossana" <KYoung@nas.edu>
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.
 - c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)
2. BUT we accomplished a lot in 2019!
 - a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.
 - b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
 - c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.
 - d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.
 - e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!
 - f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project

last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.

3. **We need to find a date for the next/last meeting in (hopefully) Kenya:**
Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible.
Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,
Audrey

Audrey D. Thévenon, PhD
Program Officer
Board on Life Sciences
Managing Editor
ILAR Journal

The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW - K642
Washington, DC 20001
Ph: 202-334-2814 | athevenon@nas.edu
<http://www.nationalacademies.org/>

From: Zabta Shinwari
Sent: 16 Jan 2020 11:00:58 +0000
To: Palmer, Guy Hughes;Patricia Conrad;Thevenon, Audrey
Cc: Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Janet Hemingway;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Lisa Conti;Peter Rabinowitz;Newman, Robert;Young, Kossana
Subject: Re: Updates on the Fellowship Program - We are back!

Thanks Friends,

I had added twice reason that in May we have Ramadan. Though there is no travel restriction, yet better to avoid as we dont eat or drink day time.

regards

On Thursday, 16 January 2020, 10:15:16 am GMT+3:30, Thevenon, Audrey <athevenon@nas.edu> wrote:

Thank you Pat and Guy.

Kossana, will add some dates in July tomorrow.

Best,

Audrey

From: Palmer, Guy Hughes <gpalmer@wsu.edu>
Sent: Thursday, January 16, 2020 1:34 AM
To: Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Palmer, Guy Hughes <gpalmer@wsu.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Kashef Ijaz <kil6@cdc.gov>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari <shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>
Subject: Re: Updates on the Fellowship Program - We are back!

Hi Audrey—I sent my dates in. I could also look at July if that worked better. Guy

Guy H. Palmer

*Regents Professor of Pathology and Infectious Diseases
The Jan and Jack Creighton Endowed Chair & Senior Director of Global Health
Washington State University*

Chair, Washington State University Global Health-Kenya

*President, Global Animal Health Tanzania
Director, Rabies Free Africa*

On Jan 15, 2020, at 10:20 PM, Patricia Ann Conrad <paconrad@ucdavis.edu> wrote:

Nice email summary Audrey!

So glad that you were able to get to Pakistan in November to meet with our partners. Congratulations on 'keeping the boat afloat' despite all of the challenges you have faced in the past year.

Scheduling is always a challenge. I completed the doodle poll as requested. Unfortunately, I only have one period, May 18-23, of the dates you provided that I would be available to travel to Kenya for our One Health Research Symposium with the fellows. July would be much better for me.

best wishes,

Pat

Patricia Conrad DVM, PhD

Distinguished Professor

Associate Dean for Global Programs

School of Veterinary Medicine
University of California, Davis
Co-Director, University of California Global Health Institute
paconrad@ucdavis.edu
Cell phone: 530-219-4079
<http://www.vetmed.ucdavis.edu/global-programs/>

From: "Thevenon, Audrey" <AThevenon@nas.edu>
Date: Wednesday, January 15, 2020 at 2:10 PM
To: Anthony Huszar <Anthony.Huszar@mottmac.com>, Anwar Nasim <dranwarnasim@gmail.com>, Claire Standley <cjs322@georgetown.edu>, David Hayman <D.T.S.Hayman@massey.ac.nz>, Erum Khan <erum.khan@aku.edu>, Guy Palmer <gpalmer@vetmed.wsu.edu>, Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>, Kashef Ijaz <kil6@cdc.gov>, Lisa Conti <Lisa.Conti@freshfromflorida.com>, Pat Conrad <paconrad@ucdavis.edu>, Peter Rabinowitz <peterr7@u.washington.edu>, Zabta Shinwari <shinwari2002@yahoo.com>, "Newman, Robert" <Robert.Newman@aspeninstitute.org>
Cc: "Young, Kossana" <KYoung@nas.edu>
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have

not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.

- c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)

2. BUT we accomplished a lot in 2019!

- a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.
- b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
- c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.
- d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.
- e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!
- f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.

3. We need to find a date for the next/last meeting in (hopefully) Kenya:

Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible

to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible.

Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,

Audrey

Audrey D. Thévenon, PhD

Program Officer

Board on Life Sciences

Managing Editor

ILAR Journal

The National Academies of Sciences, Engineering, and Medicine

500 Fifth Street, NW - K642

Washington, DC 20001

Ph: 202-334-2814 | athevenon@nas.edu

<http://www.nationalacademies.org/>

From: Thevenon, Audrey
Sent: 16 Jan 2020 06:44:34 +0000
To: Palmer, Guy Hughes;Patricia Conrad
Cc: Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Janet Hemingway;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Lisa Conti;Peter Rabinowitz;Zabta Shinwari;Newman, Robert;Young, Kossana
Subject: RE: Updates on the Fellowship Program - We are back!

Thank you Pat and Guy.
Kossana, will add some dates in July tomorrow.

Best,
Audrey

From: Palmer, Guy Hughes <gpalmer@wsu.edu>
Sent: Thursday, January 16, 2020 1:34 AM
To: Patricia Conrad <paconrad@ucdavis.edu>; Thevenon, Audrey <AThevenon@nas.edu>
Cc: Anthony Huszar <Anthony.Huszar@mottmac.com>; Anwar Nasim <dranwarnasim@gmail.com>; Claire Standley <cjs322@georgetown.edu>; David Hayman <D.T.S.Hayman@massey.ac.nz>; Erum Khan <erum.khan@aku.edu>; Palmer, Guy Hughes <gpalmer@wsu.edu>; Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>; Kashef Ijaz <kil6@cdc.gov>; Lisa Conti <Lisa.Conti@freshfromflorida.com>; Peter Rabinowitz <peterr7@u.washington.edu>; Zabta Shinwari <shinwari2002@yahoo.com>; Newman, Robert <Robert.Newman@aspeninstitute.org>; Young, Kossana <KYoung@nas.edu>
Subject: Re: Updates on the Fellowship Program - We are back!

Hi Audrey—I sent my dates in. I could also look at July if that worked better. Guy

Guy H. Palmer
Regents Professor of Pathology and Infectious Diseases
The Jan and Jack Creighton Endowed Chair & Senior Director of Global Health
Washington State University

Chair, Washington State University Global Health-Kenya
President, Global Animal Health Tanzania
Director, Rabies Free Africa

On Jan 15, 2020, at 10:20 PM, Patricia Ann Conrad <paconrad@ucdavis.edu> wrote:

Nice email summary Audrey!

So glad that you were able to get to Pakistan in November to meet with our partners. Congratulations on 'keeping the boat afloat' despite all of the challenges you have faced in the past year.

Scheduling is always a challenge. I completed the doodle poll as requested. Unfortunately, I only have one period, May 18-23, of the dates you provided that I would be available to travel to Kenya for our One Health Research Symposium with the fellows. July would be much better for me.

best wishes,
Pat

Patricia Conrad DVM, PhD
Distinguished Professor
Associate Dean for Global Programs
School of Veterinary Medicine
University of California, Davis
Co-Director, University of California Global Health Institute
paconrad@ucdavis.edu
Cell phone: 530-219-4079
<http://www.vetmed.ucdavis.edu/global-programs/>

From: "Thevenon, Audrey" <AThevenon@nas.edu>
Date: Wednesday, January 15, 2020 at 2:10 PM
To: Anthony Huszar <Anthony.Huszar@mottmac.com>, Anwar Nasim <dranwarnasim@gmail.com>, Claire Standley <cjs322@georgetown.edu>, David Hayman <D.T.S.Hayman@massey.ac.nz>, Erum Khan <erum.khan@aku.edu>, Guy Palmer <gpalmer@vetmed.wsu.edu>, Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>, Kashef Ijaz <kil6@cdc.gov>, Lisa Conti <Lisa.Conti@freshfromflorida.com>, Pat Conrad <paconrad@ucdavis.edu>, Peter Rabinowitz <peter7@u.washington.edu>, Zabta Shinwari <shinwari2002@yahoo.com>, "Newman, Robert" <Robert.Newman@aspeninstitute.org>
Cc: "Young, Kossana" <KYoung@nas.edu>
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.
 - c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)
2. BUT we accomplished a lot in 2019!
 - a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.
 - b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
 - c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.
 - d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.
 - e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!

- f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.
3. We need to find a date for the next/last meeting in (hopefully) Kenya: Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible. Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,
Audrey

Audrey D. Thévenon, PhD
Program Officer
Board on Life Sciences
Managing Editor
ILAR Journal

The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW - K642
Washington, DC 20001
Ph: 202-334-2814 | athevenon@nas.edu
<http://www.nationalacademies.org/>

From: Palmer, Guy Hughes
Sent: 16 Jan 2020 06:33:47 +0000
To: Patricia Conrad;Thevenon, Audrey
Cc: Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Palmer, Guy Hughes;Janet Hemingway;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Lisa Conti;Peter Rabinowitz;Zabta Shinwari;Newman, Robert;Young, Kossana
Subject: Re: Updates on the Fellowship Program - We are back!

Hi Audrey—I sent my dates in. I could also look at July if that worked better. Guy

*Guy H. Palmer
Regents Professor of Pathology and Infectious Diseases
The Jan and Jack Creighton Endowed Chair & Senior Director of Global Health
Washington State University*

*Chair, Washington State University Global Health-Kenya
President, Global Animal Health Tanzania
Director, Rabies Free Africa*

On Jan 15, 2020, at 10:20 PM, Patricia Ann Conrad
<paconrad@ucdavis.edu> wrote:

Nice email summary Audrey!

So glad that you were able to get to Pakistan in November to meet with our partners. Congratulations on 'keeping the boat afloat' despite all of the challenges you have faced in the past year.

Scheduling is always a challenge. I completed the doodle poll as requested. Unfortunately, I only have one period, May 18-23, of the dates you provided that I would be available to travel to Kenya for our One Health Research Symposium with the fellows. July would be much better for me.

best wishes,
Pat

Patricia Conrad DVM, PhD
Distinguished Professor
Associate Dean for Global Programs

School of Veterinary Medicine
University of California, Davis
Co-Director, University of California Global Health Institute
paconrad@ucdavis.edu
Cell phone: 530-219-4079
<http://www.vetmed.ucdavis.edu/global-programs/>

From: "Thevenon, Audrey" <AThevenon@nas.edu>
Date: Wednesday, January 15, 2020 at 2:10 PM
To: Anthony Huszar <Anthony.Huszar@mottmac.com>, Anwar Nasim <dranwarnasim@gmail.com>, Claire Standley <cjs322@georgetown.edu>, David Hayman <D.T.S.Hayman@massey.ac.nz>, Erum Khan <erum.khan@aku.edu>, Guy Palmer <gpalmer@vetmed.wsu.edu>, Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>, Kashef Ijaz <kil6@cdc.gov>, Lisa Conti <Lisa.Conti@freshfromflorida.com>, Pat Conrad <paconrad@ucdavis.edu>, Peter Rabinowitz <peter7@u.washington.edu>, Zabta Shinwari <shinwari2002@yahoo.com>, "Newman, Robert" <Robert.Newman@aspeninstitute.org>
Cc: "Young, Kossana" <KYoung@nas.edu>
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.
 - c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)

2. BUT we accomplished a lot in 2019!
 - a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.
 - b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
 - c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.
 - d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.
 - e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!
 - f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.
3. We need to find a date for the next/last meeting in (hopefully) Kenya:
Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible.
Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,
Audrey

Audrey D. Thévenon, PhD

Program Officer

Board on Life Sciences

Managing Editor

ILAR Journal

The National Academies of Sciences, Engineering, and Medicine

500 Fifth Street, NW - K642

Washington, DC 20001

Ph: 202-334-2814 | athevenon@nas.edu

<http://www.nationalacademies.org/>

From: Patricia Ann Conrad
Sent: 16 Jan 2020 06:20:52 +0000
To: Thevenon, Audrey;Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Guy Palmer;Janet Hemingway;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Lisa Conti;Peter Rabinowitz;Zabta Shinwari;Newman, Robert
Cc: Young, Kossana
Subject: Re: Updates on the Fellowship Program - We are back!

Nice email summary Audrey!

So glad that you were able to get to Pakistan in November to meet with our partners. Congratulations on 'keeping the boat afloat' despite all of the challenges you have faced in the past year.

Scheduling is always a challenge. I completed the doodle poll as requested. Unfortunately, I only have one period, May 18-23, of the dates you provided that I would be available to travel to Kenya for our One Health Research Symposium with the fellows. July would be much better for me.

best wishes,
Pat

Patricia Conrad DVM, PhD
Distinguished Professor
Associate Dean for Global Programs
School of Veterinary Medicine
University of California, Davis
Co-Director, University of California Global Health Institute
paconrad@ucdavis.edu
Cell phone: 530-219-4079
<http://www.vetmed.ucdavis.edu/global-programs/>

From: "Thevenon, Audrey" <AThevenon@nas.edu>
Date: Wednesday, January 15, 2020 at 2:10 PM
To: Anthony Huszar <Anthony.Huszar@mottmac.com>, Anwar Nasim <dranwarnasim@gmail.com>, Claire Standley <cjs322@georgetown.edu>, David Hayman <D.T.S.Hayman@massey.ac.nz>, Erum Khan <erum.khan@aku.edu>, Guy Palmer <gpalmer@vetmed.wsu.edu>, Janet Hemingway <Janet.Hemingway@lstmed.ac.uk>, Kashef Ijaz <kil6@cdc.gov>, Lisa Conti <Lisa.Conti@freshfromflorida.com>, Pat Conrad <paconrad@ucdavis.edu>, Peter Rabinowitz <peterr7@u.washington.edu>, Zabta Shinwari

<shinwari2002@yahoo.com>, "Newman, Robert" <Robert.Newman@aspeninstitute.org>
Cc: "Young, Kossana" <KYoung@nas.edu>
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.
 - c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)
2. BUT we accomplished a lot in 2019!
 - a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.
 - b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
 - c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.
 - d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.
 - e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!

- f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.
3. We need to find a date for the next/last meeting in (hopefully) Kenya:
Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible.
Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,
Audrey

Audrey D. Thévenon, PhD
Program Officer
Board on Life Sciences
Managing Editor
ILAR Journal

The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW - K642
Washington, DC 20001
Ph: 202-334-2814 | athevenon@nas.edu
<http://www.nationalacademies.org/>

From: National Academies
Sent: 9 Apr 2019 00:42:10 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for April 8

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

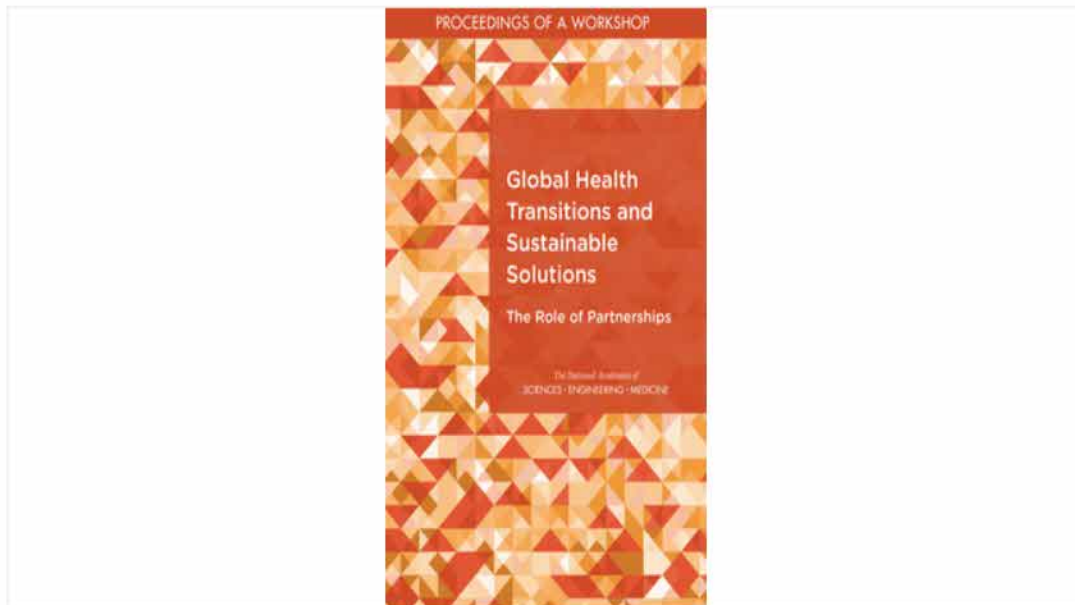
Examining the Impact of Real-World Evidence on Medical Product Development: Proceedings of a Workshop Series



Buy This Book



Download Free PDF



Health and Medicine

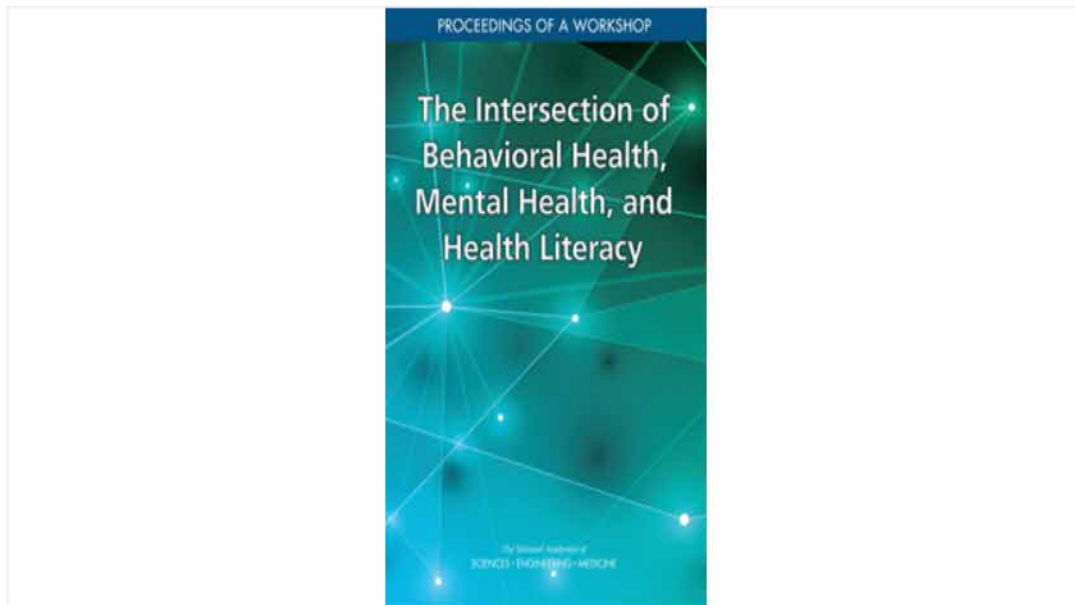
Global Health Transitions and Sustainable Solutions: The Role of Partnerships: Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

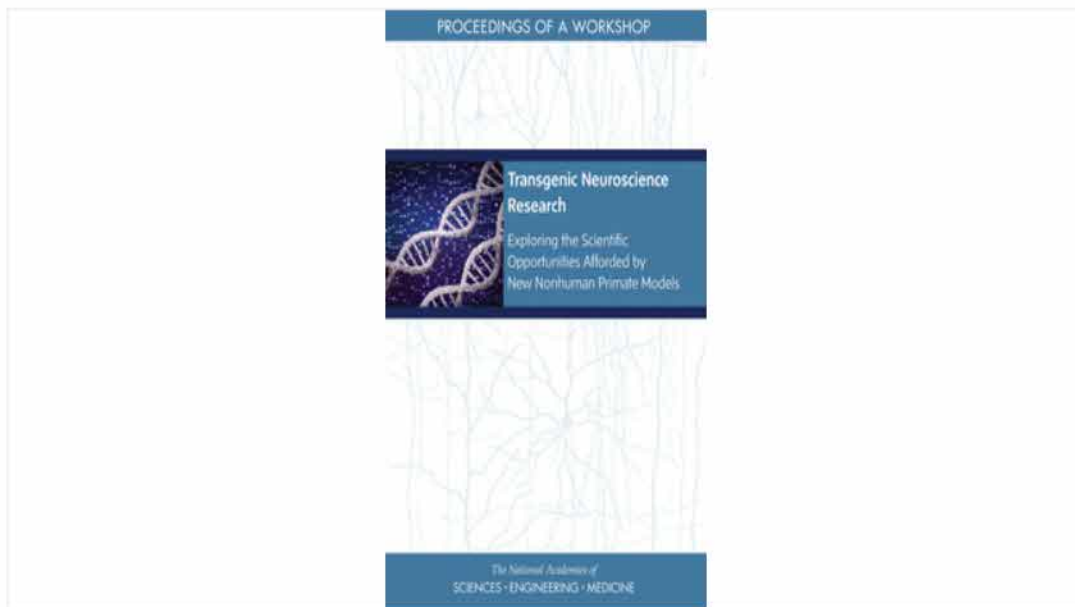
The Intersection of Behavioral Health, Mental Health, and Health Literacy: Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

Transgenic Neuroscience Research: Exploring the Scientific Opportunities Afforded by New Nonhuman Primate Models: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

Dispersants Can Be an Effective Tool for Managing Impacts During a Major Marine Oil Spill

New Report Calls for Different Approaches to Predict and Understand Urban Flooding

Evaluating the Taxonomic Status of Red Wolf and Mexican Gray Wolf

\$5 Million in Grants Available to Advance Understanding of U.S. Gulf Coastal Ecosystems and Their Interactions with Natural Processes and Human Activities

Medications to Treat Opioid Addiction Are Effective and Save Lives, But Barriers Prevent Broad Access and Use, Says New Report

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

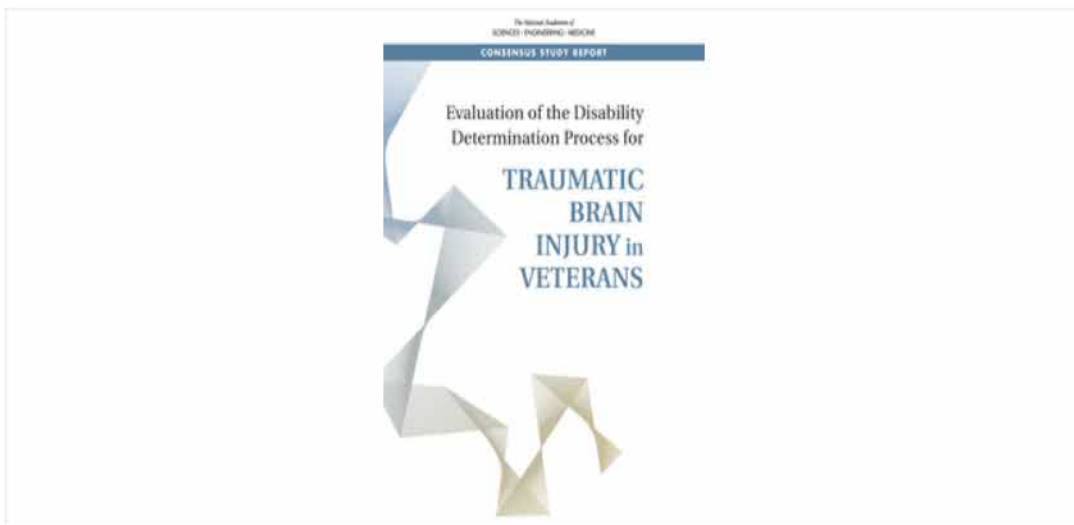
From: National Academies
Sent: 16 Apr 2019 00:26:14 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for April 15

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

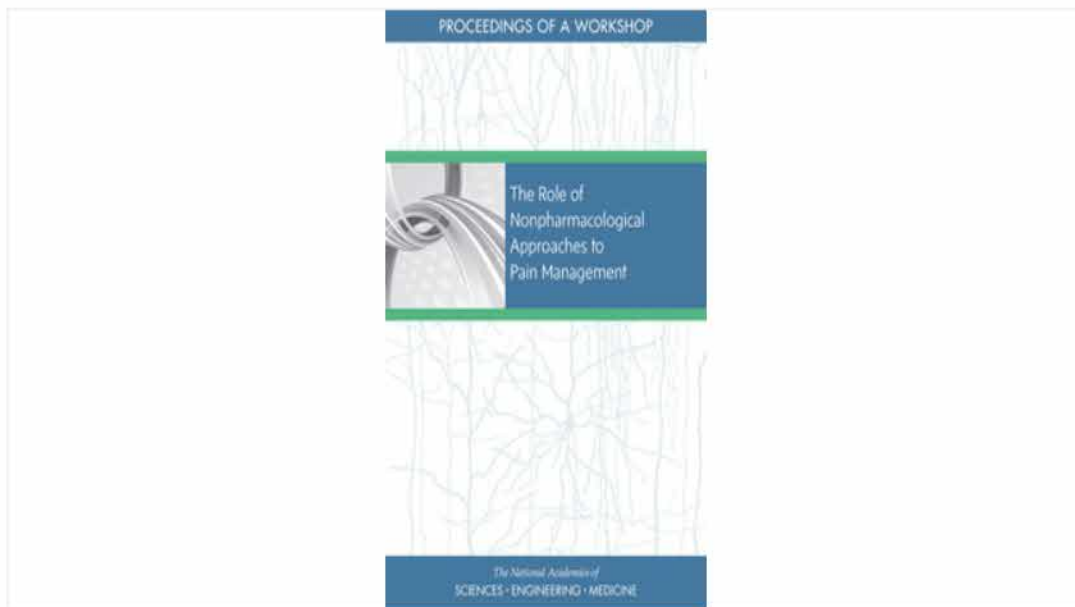
Evaluation of the Disability Determination Process for Traumatic Brain Injury in Veterans



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

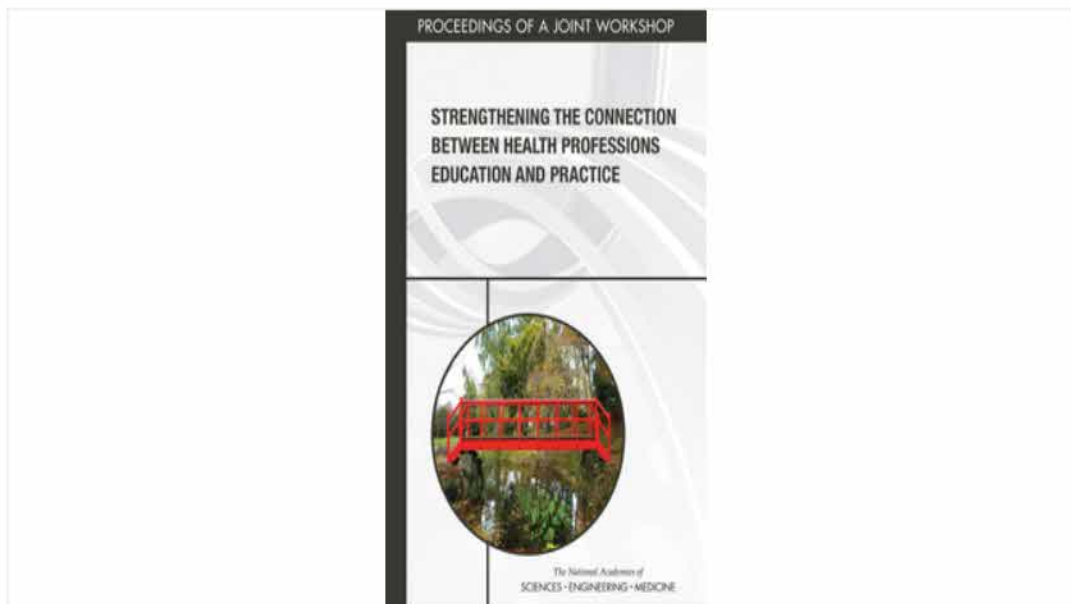
The Role of Nonpharmacological Approaches to Pain Management: Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

Strengthening the Connection Between Health Professions Education and Practice: Proceedings of a Joint Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Co-Chairs of Forensic Science Report Honored by Innocence Network](#)

[Cherry Murray and Peggy Hamburg Elected Co-Chairs of IAP](#)

[NAS Honors 10 U.S. Nobel and Kavli Prize Laureates](#)

[VA's Process for Determining Traumatic Brain Injury in Veterans Seeking Disability Compensation Examined in New Report](#)

[National Academies and Academic Institutions Launch Action Collaborative on Preventing Sexual Harassment in Higher Education](#)

See more press releases in the [National Academies Newsroom](#).

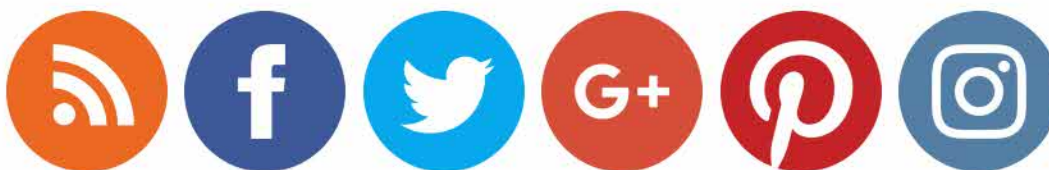
NEW & FEATURED RESOURCE

STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES A PATH FORWARD

Ten years ago, the National Academies of Sciences, Engineering, and Medicine released *Strengthening Forensic Science in the United States: A Path Forward*. This landmark report stimulated a national discussion about the need to reform forensic science; fostered a re-evaluation of how forensic evidence is reported in court; prompted increased funding for forensic science research; inspired reforms in practice and procedure for forensic science professionals; and led to re-examinations of forensic techniques that are frequently used in criminal investigations.

✓ [VIEW TIMELINE](#)

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

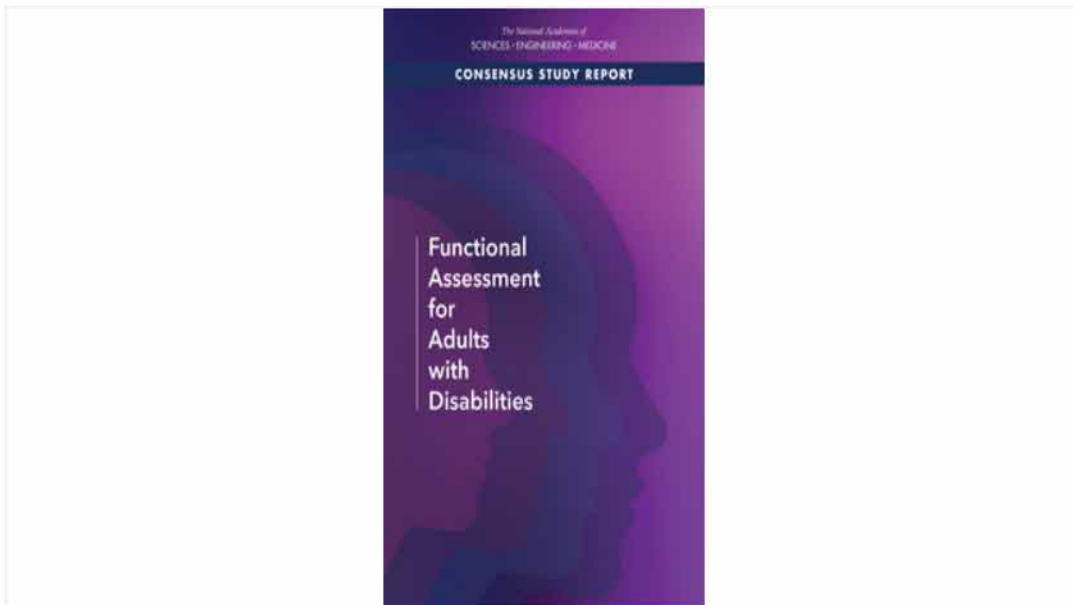
From: National Academies
Sent: 6 Aug 2019 23:41:31 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for August 6

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

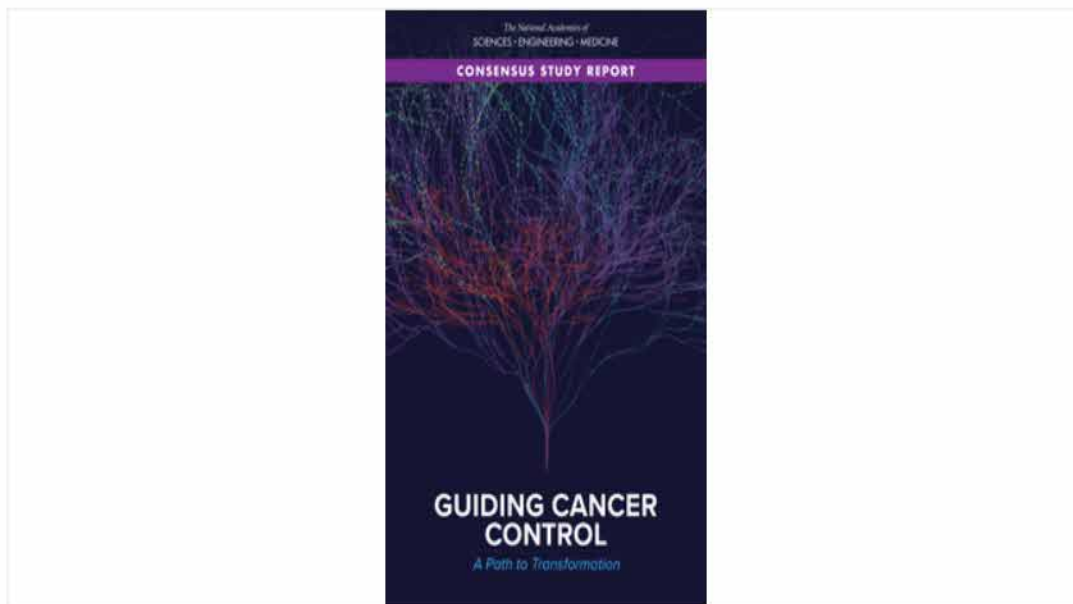
Functional Assessment for Adults with Disabilities



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

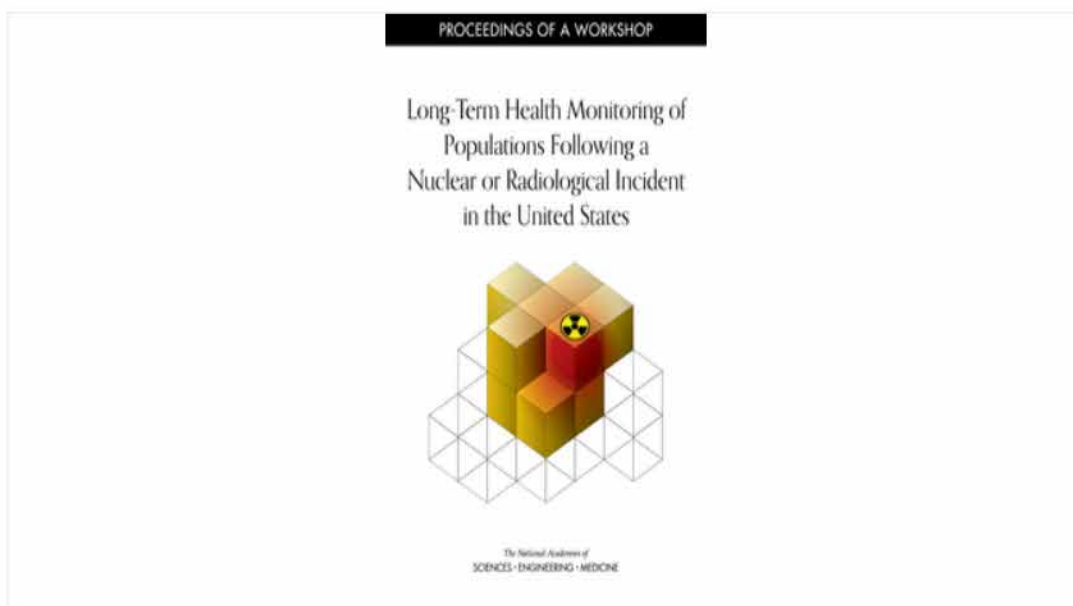
Guiding Cancer Control: A Path to Transformation



Buy This Book



Download Free PDF



Health and Medicine

Environment and Environmental Studies

Long-Term Health Monitoring of Populations Following a Nuclear or Radiological Incident in the United States: Proceedings of a Workshop



Buy This Book



Download Free PDF

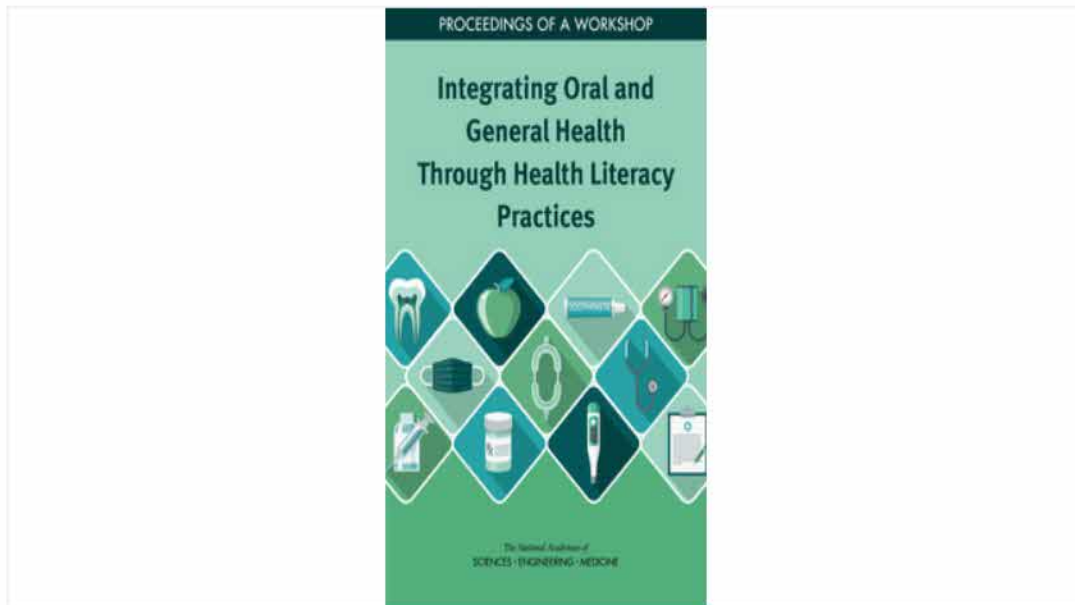


Health and Medicine

Toward Understanding the Interplay of Environmental Stressors, Infectious Disease, and Human Health: Proceedings of a Workshop—in Brief



Download Free PDF



Health and Medicine

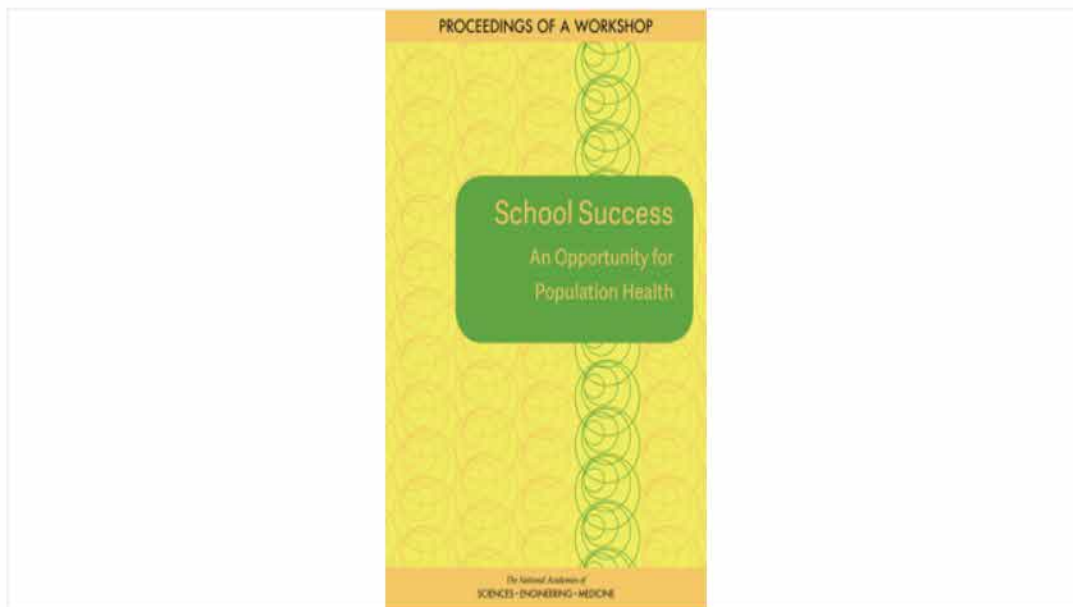
Integrating Oral and General Health Through Health Literacy Practices: Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

School Success: An Opportunity for Population Health: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Virtual Clinical Trials: A New Model for Patient Engagement](#)

[Editorial Marks 40th Anniversary of Landmark Report on Climate Change](#)

[Advancing Health Equity for Kids](#)

[New IAP Report Calls for Strengthening Science Support for Africa's Sustainable Development](#)

[Global Grand Challenges Summit 2019 Will Bring Over 900 Engineers to London to Address 'Engineering in an Unpredictable World'](#)

See more press releases in the [National Academies Newsroom](#).

PROGRAM UPDATE



The U.S. – Egypt Science & Technology Joint Fund Cycle 20 request for Collaborative Research and Junior Scientist Development Visit Grant proposals is now open. Collaborative Research Grants foster research collaboration between Egyptian and U.S. scientists, with up to \$200,000 USD available for each country's research team. Researchers from U.S. and Egyptian scientific institutes, universities, research centers, and governmental agencies are eligible to apply. U.S. researchers from private sector companies are also eligible to apply.

Junior Scientist Development Visit Grants provide up to \$30,000 USD for short-term research training visits for Egyptian researchers to go to U.S. institutions.

The deadline to apply is **September 5, 2019 at 5:59 PM EDT**.

To apply, please visit www.nationalacademies.org/egypt

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

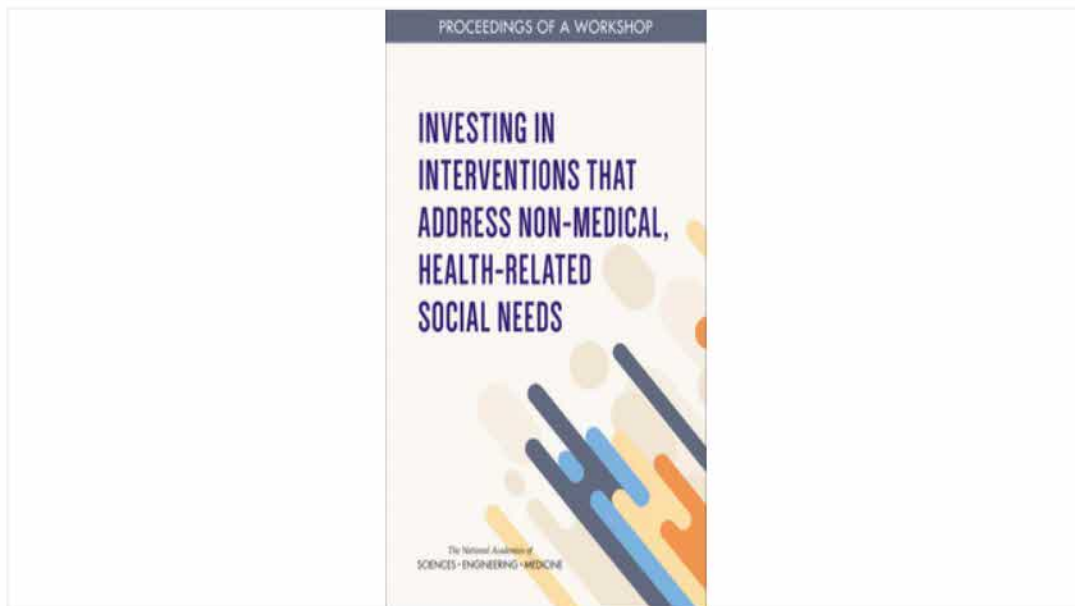
From: National Academies
Sent: 26 Aug 2019 23:40:21 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for August 26

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Investing in Interventions That Address Non-Medical, Health-Related Social Needs: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[International Commission on Heritable Genome Editing Holds First Public Meeting](#)

[Review of Report on Supplemental Low-Activity Waste at Hanford Nuclear Site Now Available for Public Comment](#)

[2019 Communication Award Winners Announced](#)

[National Academies Forum Examines Role of Tech and Social Innovation in the Food System](#)

[Stronger Policies Needed to Protect the Public From Legionnaires Disease](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED INFOGRAPHIC

Who Are The Supersharers?

Supersharers have used at least 3 different non-transit shared modes--bikesharing, carsharing, and ridesourcing--within the last 3 months.

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

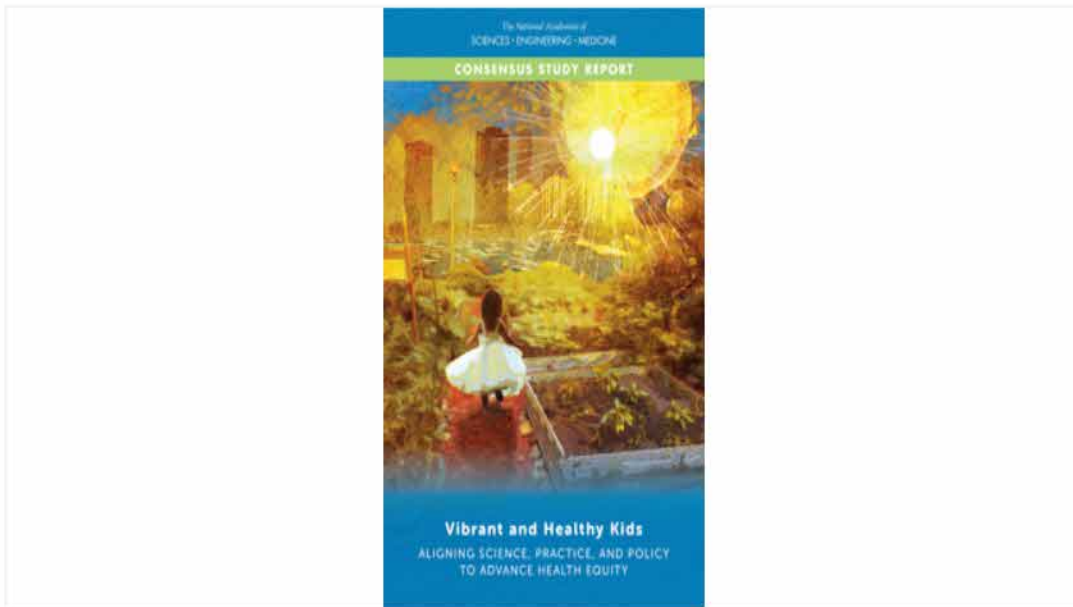
From: National Academies
Sent: 3 Dec 2019 00:49:34 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for December 2

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Regulating Medicines in a Globalized World](#)

[At-Home DNA Tests Still Need the 'Human Touch,' Say Panelists at Genomics Roundtable Workshop](#)

[Committee Member Testifies Before Congress on Reproducibility and Replicability in Science](#)

[Mentoring Could Improve Diversity and Inclusion in STEMM But Needs More Attention in Colleges and Universities](#)

[Juvenile Justice - Moving From Punishment to Hope and Healing](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

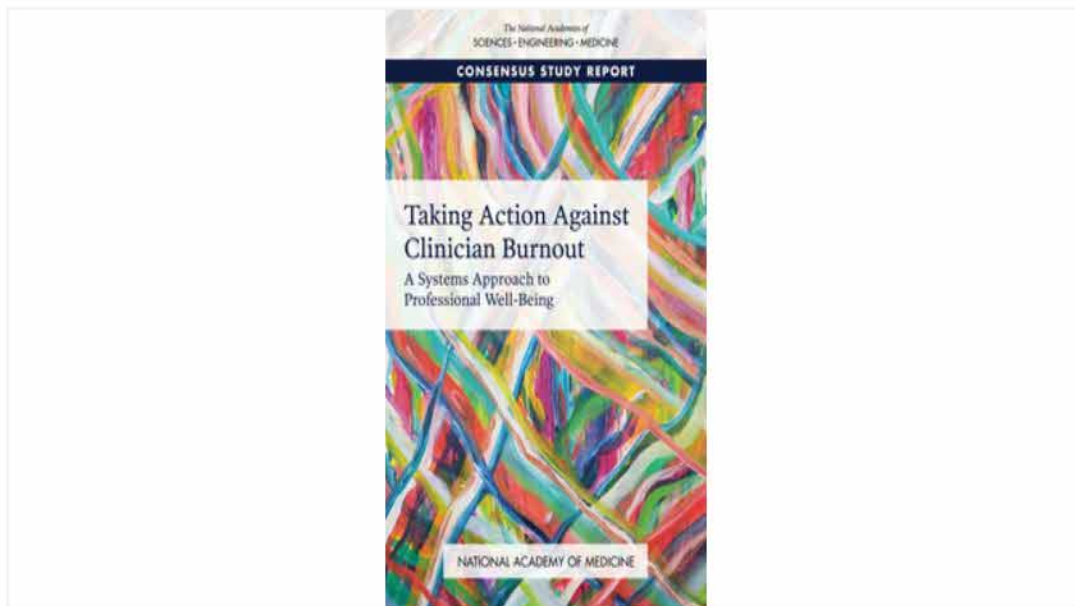
From: National Academies
Sent: 10 Dec 2019 00:59:09 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for December 9

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Taking Action Against Clinician Burnout: A Systems Approach to Professional Well-Being



Buy This Book



Download Free PDF

FEATURED NEWS

[One Year After Hong Kong Summit, Developments in Human Genome Editing Underscore Urgency for International Agreement on Standards and Oversight](#)



It has been a little over a year since the [Second International Summit on Human Genome Editing](#) in Hong Kong, where scientist He Jiankui (pictured above) announced the birth of twins whose healthy embryonic genomes had been edited to confer resistance to HIV. The revelation drew condemnation from the summit organizers and much of the international scientific community. ... [Read more](#)

NEWS FROM THE NATIONAL ACADEMIES

One Year After Hong Kong Summit, Developments in Human Genome Editing Underscore Urgency for International Agreement on Standards and Oversight

Regulating Medicines in a Globalized World

At-Home DNA Tests Still Need the 'Human Touch,' Say Panelists at Genomics Roundtable Workshop

Committee Member Testifies Before Congress on Reproducibility and Replicability in Science

Mentoring Could Improve Diversity and Inclusion in STEMM But Needs More Attention in Colleges and Universities

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press

500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

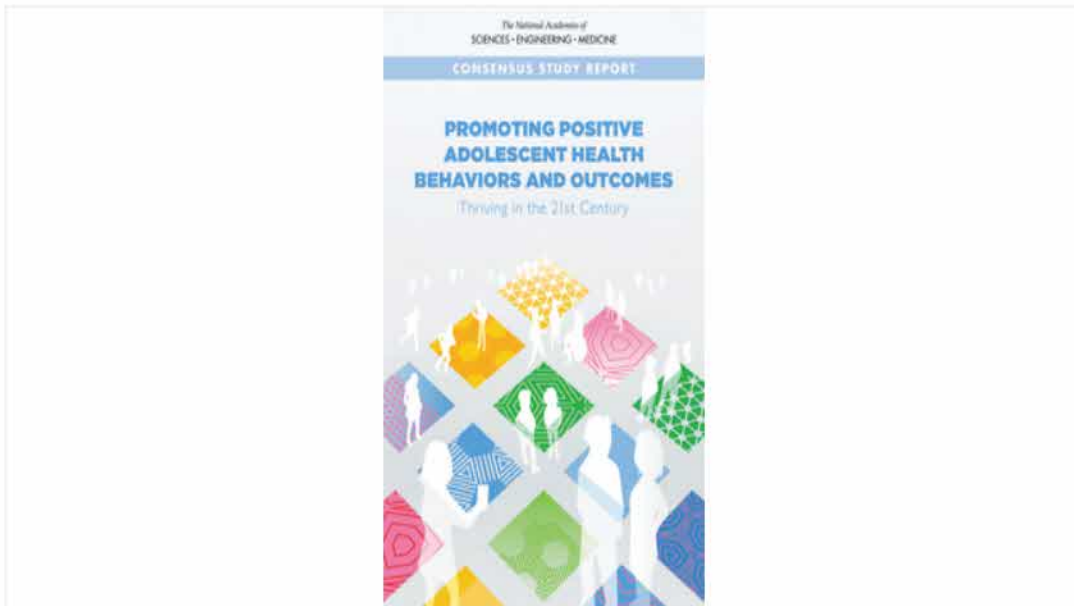
From: National Academies
Sent: 17 Dec 2019 15:27:35 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for December 17

[View this email in your browser](#)

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Behavioral and Social Sciences



Health and Medicine

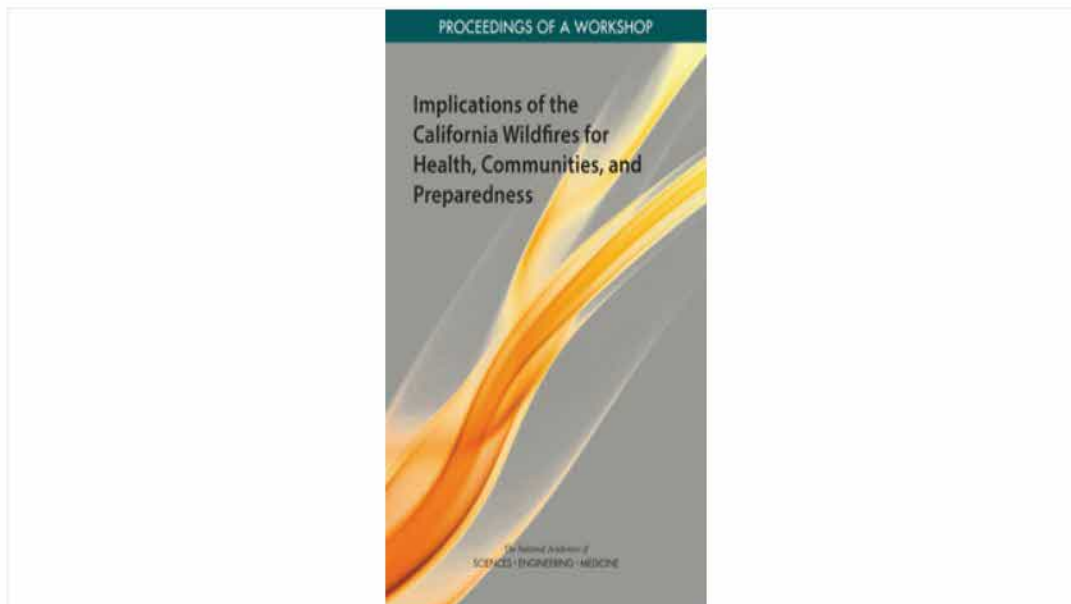
**Promoting Positive Adolescent Health Behaviors and Outcomes: Thriving
in the 21st Century**



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

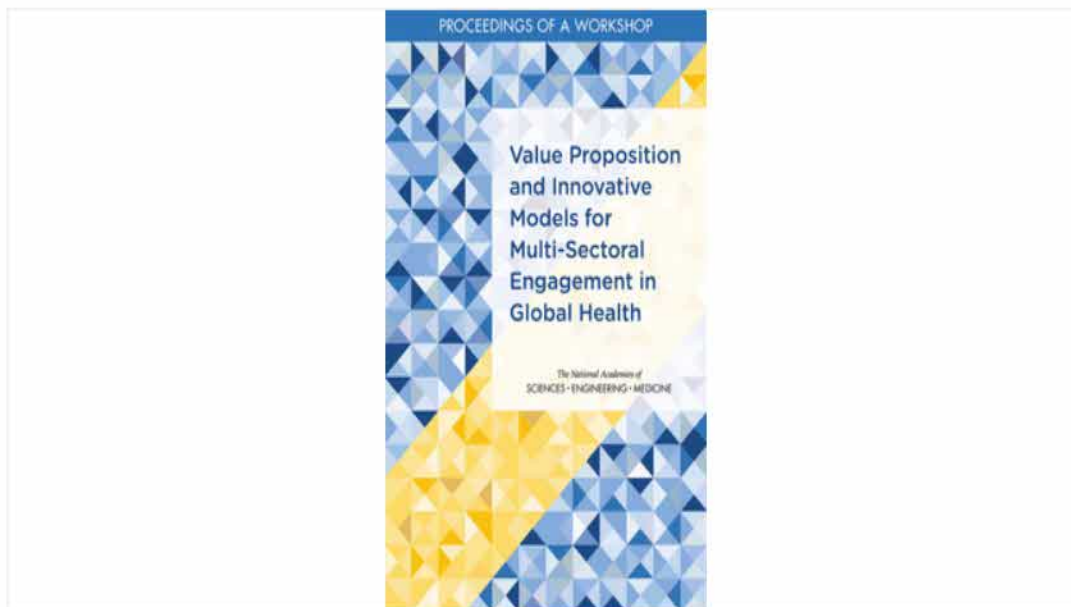
[Implications of the California Wildfires for Health, Communities, and Preparedness: Proceedings of a Workshop](#)



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

Value Proposition and Innovative Models for Multi-Sectoral Engagement in Global Health: Proceedings of a Workshop



[Buy This Book](#)



[Download Free PDF](#)

NEWS FROM THE NATIONAL ACADEMIES

[Report Offers Promising Approaches to Make HHS Adolescent Health Programs More Effective](#)

[International Collaboration, Cross-Disciplinary Workforce Development and Education Needed for U.S. to Maintain Leadership in Atomic, Molecular, and Optical Science](#)

[First Nobel Prize Summit to Be Held in Washington, D.C. April 29-May 1, 2020](#)

[One Year After Hong Kong Summit, Developments in Human Genome Editing Underscore Urgency for International Agreement on Standards and Oversight](#)

[Regulating Medicines in a Globalized World](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

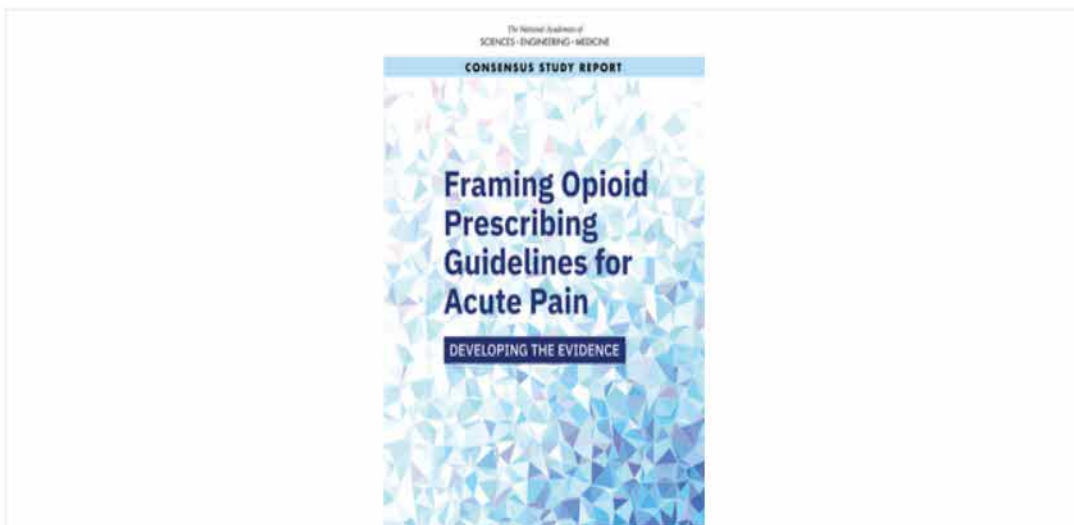
From: National Academies
Sent: 24 Dec 2019 00:55:34 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for December 23

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Framing Opioid Prescribing Guidelines for Acute Pain: Developing the Evidence



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

Panchanathan Nominated to Serve as Next Director of NSF

Roundtable on Aligning Incentives for Open Science Receives Grant from Arcadia Fund

Report Offers Framework for Setting Opioid Prescribing Guidelines for Medical Conditions, Surgeries Associated with Acute Pain

Report Offers Promising Approaches to Make HHS Adolescent Health Programs More Effective

International Collaboration, Cross-Disciplinary Workforce Development and Education Needed for U.S. to Maintain Leadership in Atomic, Molecular, and Optical Science

See more press releases in the [National Academies Newsroom](#).

NEW & FEATURED MEDIA

A new National Academies of Sciences, Engineering, and Medicine Consensus Study Report estimates the number of U.S. cases of Legionnaires' disease ranges from 52,000 to 70,000 each year.



Read more about the steps taken to manage this disease >

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

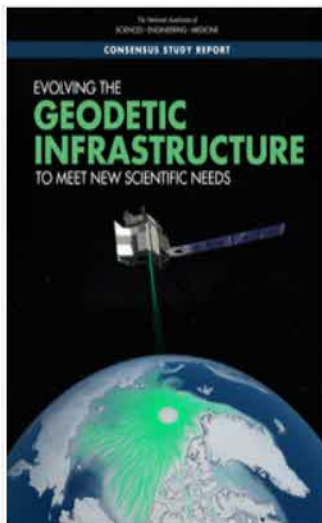
From: National Academies
Sent: 4 Feb 2020 00:57:35 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for February 3

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).

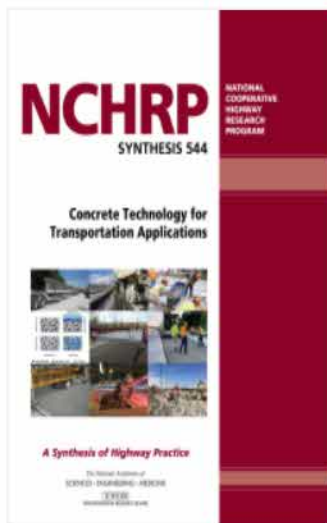


Evolving the Geodetic Infrastructure to Meet New Scientific Needs

Satellite remote sensing is the primary tool for measuring global changes in the land, ocean, biosphere, and atmosphere. Over the past three decades, active remote sensing technologies have enabled increasingly precise measurements of Earth processes, allowing new science questions to be asked and answered. As this measurement precision ...

[\[read more\]](#)

 rth Sciences



Concrete Technology for Transportation Applications

The past few years have seen some significant advances in concrete technology. For example, newer concrete incorporating advances in admixtures and cementitious materials has emerged.

The TRB National Cooperative Highway Research Program's *NCHRP Synthesis 544: Concrete Technology for Transportation Applications* documents how ...

[\[read more\]](#)

☒ Transportation and Infrastructure



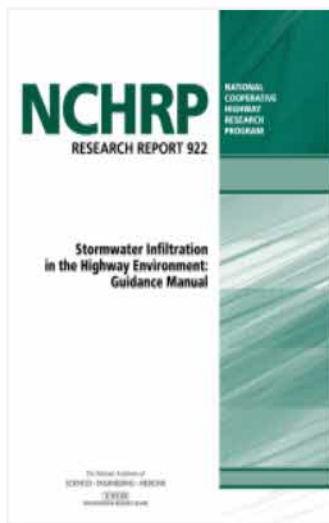
Guide to Calculating Ownership and Operating Costs of Department of Transportation Vehicles and Equipment: An Accounting Perspective

A central role of a state Department of Transportation (DOT) fleet manager is to maintain a clear understanding of the fleet's costs. This helps in tracking activities over time, comparing costs with other fleets, communicating with stakeholders, and effectively managing fleet assets.

The TRB National Cooperative Highway Research ...

[\[read more\]](#)

☒ Transportation and Infrastructure

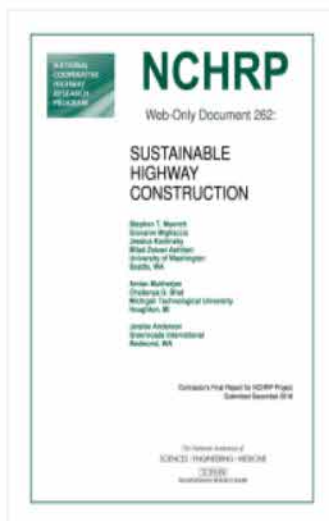


Stormwater Infiltration in the Highway Environment: Guidance Manual

The infiltration approach to stormwater management involves the design, construction, and operation of engineered systems that infiltrate stormwater runoff into soils. These systems, referred to as “infiltration best management practices (BMPs),” are intended to reduce the volume of stormwater runoff and associated pollutants that discharge ...

[\[read more\]](#)

 Transportation and Infrastructure



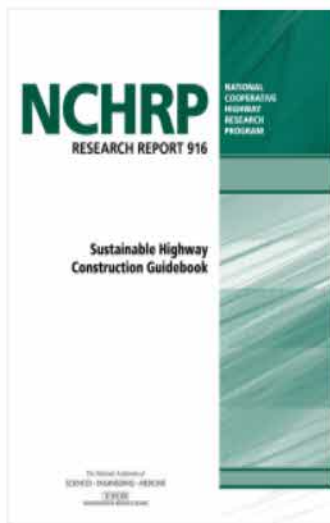
Sustainable Highway Construction

A programmatic approach to sustainable materials procurement in highway construction may be better than one-off attempts. For now, there is little guidance on procuring sustainability in highway construction and sustainability is not as important as cost or schedule.

The TRB National Cooperative Highway Research Program's *NCHRP* ...

[\[read more\]](#)

 Transportation and Infrastructure



Sustainable Highway Construction Guidebook

Sustainability is often an element that informs decisions made during the planning, programming, and design phases of highway construction projects. However, the construction phase of a highway project is also an opportunity to advance sustainability.

The TRB National Cooperative Highway Research Program's *NCHRP Research Report 916*: ...

[\[read more\]](#)

☒ Transportation and Infrastructure



Alzheimer's Disease and Related Dementias: Experience and Caregiving, Epidemiology, and Models of Care: Proceedings of a Workshop-in Brief

On August 14, 2019, the Committee on Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related Dementias convened a public workshop in Washington, D.C., as part of the study "Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related ...

[\[read more\]](#)

☒ Behavioral and Social Sciences

☒ Health and Medicine



Bio-Inspired Signature Management for the U.S. Army: Proceedings of a Workshop-in Brief

The National Academies of Sciences, Engineering, and Medicine convened a workshop of subject-matter experts on September 16, 2019, to gather information that will improve understanding of the science and technology (S&T) issues and opportunities in signature management for future U.S. Army missions. This workshop was part of a series of S&T ...

[\[read more\]](#)

☒ nflict and Security Issues



Challenging Questions about Epidemiology, Care, and Caregiving for People with Alzheimer's Disease and Related Dementias and Their Families: Proceedings of a Workshop-in Brief

On October 17, 2019, the Committee on Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related Dementias hosted a public workshop in Washington, D.C., as part of the study "Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related ...

[\[read more\]](#)

☒ avioral and Social Sciences

☒ alth and Medicine

NEWS FROM THE NATIONAL ACADEMIES

Frank Press, Former President of the National Academy of Sciences, Dies at Age 95

Expert Group Including NAM President Issues Statement on Outbreak of

Coronavirus

Kathleen Hall Jamieson to Receive Public Welfare Medal - Academy's Most Prestigious Award

Geodetic Infrastructure Needs Enhancements, Continued Maintenance to Answer High-Priority Scientific Questions

Using Science to Improve Eyewitness Testimony

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

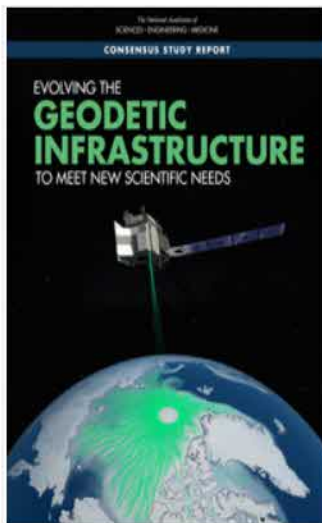
[Add us to your address book](#)

From: National Academies
Sent: 4 Feb 2020 00:42:50 +0000
To: Miller, Elaine R. (CDC/DDID/NCEZID/DHQP)
Subject: Read the New Publications and News for February 3

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE
NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).

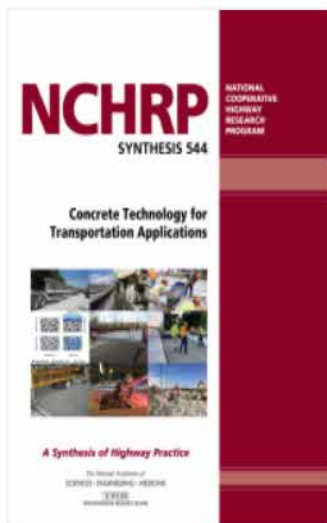


Evolving the Geodetic Infrastructure to Meet New Scientific Needs

Satellite remote sensing is the primary tool for measuring global changes in the land, ocean, biosphere, and atmosphere. Over the past three decades, active remote sensing technologies have enabled increasingly precise measurements of Earth processes, allowing new science questions to be asked and answered. As this measurement precision ...

[\[read more\]](#)

 rth Sciences



Concrete Technology for Transportation Applications

The past few years have seen some significant advances in concrete technology. For example, newer concrete incorporating advances in admixtures and cementitious materials has emerged.

The TRB National Cooperative Highway Research Program's *NCHRP Synthesis 544: Concrete Technology for Transportation Applications* documents how ...

[\[read more\]](#)

☒ Transportation and Infrastructure



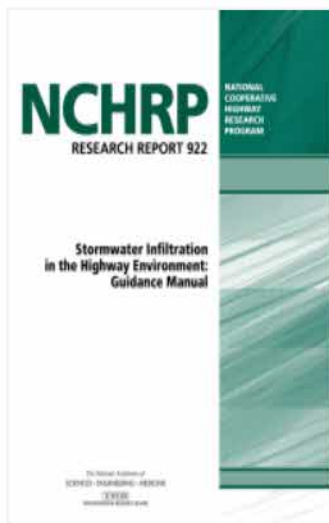
Guide to Calculating Ownership and Operating Costs of Department of Transportation Vehicles and Equipment: An Accounting Perspective

A central role of a state Department of Transportation (DOT) fleet manager is to maintain a clear understanding of the fleet's costs. This helps in tracking activities over time, comparing costs with other fleets, communicating with stakeholders, and effectively managing fleet assets.

The TRB National Cooperative Highway Research ...

[\[read more\]](#)

☒ Transportation and Infrastructure

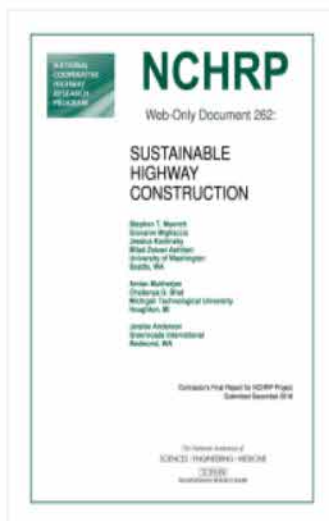


Stormwater Infiltration in the Highway Environment: Guidance Manual

The infiltration approach to stormwater management involves the design, construction, and operation of engineered systems that infiltrate stormwater runoff into soils. These systems, referred to as "infiltration best management practices (BMPs)," are intended to reduce the volume of stormwater runoff and associated pollutants that discharge ...

[\[read more\]](#)

 Transportation and Infrastructure



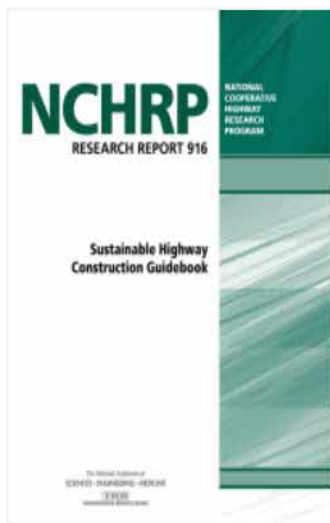
Sustainable Highway Construction

A programmatic approach to sustainable materials procurement in highway construction may be better than one-off attempts. For now, there is little guidance on procuring sustainability in highway construction and sustainability is not as important as cost or schedule.

The TRB National Cooperative Highway Research Program's *NCHRP* ...

[\[read more\]](#)

 Transportation and Infrastructure



Sustainable Highway Construction Guidebook

Sustainability is often an element that informs decisions made during the planning, programming, and design phases of highway construction projects. However, the construction phase of a highway project is also an opportunity to advance sustainability.

The TRB National Cooperative Highway Research Program's *NCHRP Research Report 916*: ...

[\[read more\]](#)

☒ Transportation and Infrastructure



Alzheimer's Disease and Related Dementias: Experience and Caregiving, Epidemiology, and Models of Care: Proceedings of a Workshop-in Brief

On August 14, 2019, the Committee on Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related Dementias convened a public workshop in Washington, D.C., as part of the study "Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related ...

[\[read more\]](#)

☒ Behavioral and Social Sciences

☒ Health and Medicine



Bio-Inspired Signature Management for the U.S. Army: Proceedings of a Workshop-in Brief

The National Academies of Sciences, Engineering, and Medicine convened a workshop of subject-matter experts on September 16, 2019, to gather information that will improve understanding of the science and technology (S&T) issues and opportunities in signature management for future U.S. Army missions. This workshop was part of a series of S&T ...

[\[read more\]](#)

☒ nflict and Security Issues



Challenging Questions about Epidemiology, Care, and Caregiving for People with Alzheimer's Disease and Related Dementias and Their Families: Proceedings of a Workshop-in Brief

On October 17, 2019, the Committee on Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related Dementias hosted a public workshop in Washington, D.C., as part of the study "Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related ...

[\[read more\]](#)

☒ avioral and Social Sciences

☒ alth and Medicine

NEWS FROM THE NATIONAL ACADEMIES

Frank Press, Former President of the National Academy of Sciences, Dies at Age 95

Expert Group Including NAM President Issues Statement on Outbreak of

Coronavirus

Kathleen Hall Jamieson to Receive Public Welfare Medal - Academy's Most Prestigious Award

Geodetic Infrastructure Needs Enhancements, Continued Maintenance to Answer High-Priority Scientific Questions

Using Science to Improve Eyewitness Testimony

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at [NAP.edu](#) to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Agriculture • Behavioral and Social Sciences • Biography and Autobiography • Biology and Life Sciences • Computers and Information Technology • Conflict and Security Issues • Earth Sciences • Education • Energy and Energy Conservation • Engineering and Technology • Environment and Environmental Studies • Food and Nutrition • Health and Medicine • Industry and Labor • Math, Chemistry, and Physics • Policy for Science and Technology • Space and Aeronautics •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press

500 Fifth St. NW
Washington, DC 20001

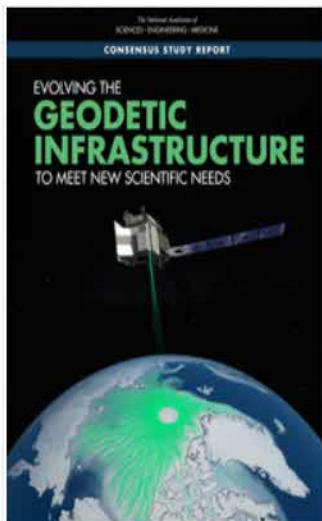
[Add us to your address book](#)

From: National Academies
Sent: 4 Feb 2020 01:00:16 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Read the New Publications and News for February 3

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE
NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).

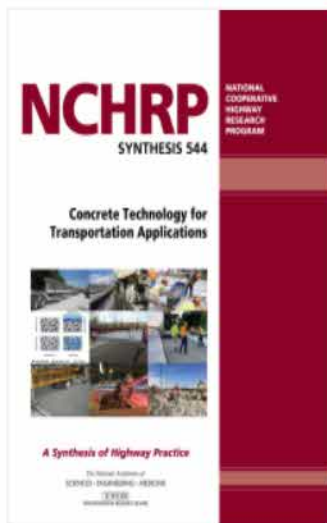


Evolving the Geodetic Infrastructure to Meet New Scientific Needs

Satellite remote sensing is the primary tool for measuring global changes in the land, ocean, biosphere, and atmosphere. Over the past three decades, active remote sensing technologies have enabled increasingly precise measurements of Earth processes, allowing new science questions to be asked and answered. As this measurement precision ...

[\[read more\]](#)

 rth Sciences



Concrete Technology for Transportation Applications

The past few years have seen some significant advances in concrete technology. For example, newer concrete incorporating advances in admixtures and cementitious materials has emerged.

The TRB National Cooperative Highway Research Program's *NCHRP Synthesis 544: Concrete Technology for Transportation Applications* documents how ...

[\[read more\]](#)

☒ Transportation and Infrastructure



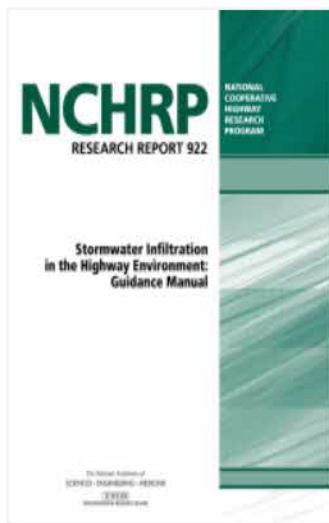
Guide to Calculating Ownership and Operating Costs of Department of Transportation Vehicles and Equipment: An Accounting Perspective

A central role of a state Department of Transportation (DOT) fleet manager is to maintain a clear understanding of the fleet's costs. This helps in tracking activities over time, comparing costs with other fleets, communicating with stakeholders, and effectively managing fleet assets.

The TRB National Cooperative Highway Research ...

[\[read more\]](#)

☒ Transportation and Infrastructure

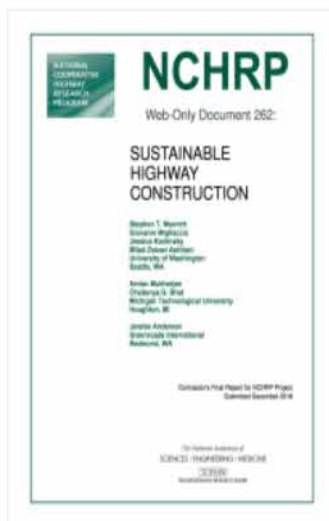


Stormwater Infiltration in the Highway Environment: Guidance Manual

The infiltration approach to stormwater management involves the design, construction, and operation of engineered systems that infiltrate stormwater runoff into soils. These systems, referred to as "infiltration best management practices (BMPs)," are intended to reduce the volume of stormwater runoff and associated pollutants that discharge ...

[\[read more\]](#)

 Transportation and Infrastructure



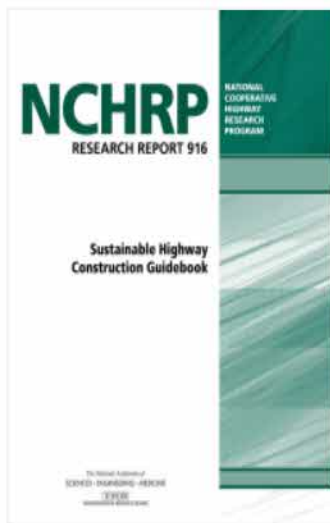
Sustainable Highway Construction

A programmatic approach to sustainable materials procurement in highway construction may be better than one-off attempts. For now, there is little guidance on procuring sustainability in highway construction and sustainability is not as important as cost or schedule.

The TRB National Cooperative Highway Research Program's *NCHRP* ...

[\[read more\]](#)

 Transportation and Infrastructure



Sustainable Highway Construction Guidebook

Sustainability is often an element that informs decisions made during the planning, programming, and design phases of highway construction projects. However, the construction phase of a highway project is also an opportunity to advance sustainability.

The TRB National Cooperative Highway Research Program's *NCHRP Research Report 916*: ...

[\[read more\]](#)

☒ Transportation and Infrastructure



Alzheimer's Disease and Related Dementias: Experience and Caregiving, Epidemiology, and Models of Care: Proceedings of a Workshop-in Brief

On August 14, 2019, the Committee on Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related Dementias convened a public workshop in Washington, D.C., as part of the study "Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related ...

[\[read more\]](#)

☒ Behavioral and Social Sciences

☒ Health and Medicine



Bio-Inspired Signature Management for the U.S. Army: Proceedings of a Workshop-in Brief

The National Academies of Sciences, Engineering, and Medicine convened a workshop of subject-matter experts on September 16, 2019, to gather information that will improve understanding of the science and technology (S&T) issues and opportunities in signature management for future U.S. Army missions. This workshop was part of a series of S&T ...

[\[read more\]](#)

☒ nflict and Security Issues



Challenging Questions about Epidemiology, Care, and Caregiving for People with Alzheimer's Disease and Related Dementias and Their Families: Proceedings of a Workshop-in Brief

On October 17, 2019, the Committee on Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related Dementias hosted a public workshop in Washington, D.C., as part of the study "Developing a Behavioral and Social Science Research Agenda on Alzheimer's Disease and Alzheimer's Disease-Related ...

[\[read more\]](#)

☒ avioral and Social Sciences

☒ alth and Medicine

NEWS FROM THE NATIONAL ACADEMIES

Frank Press, Former President of the National Academy of Sciences, Dies at Age 95

Expert Group Including NAM President Issues Statement on Outbreak of

Coronavirus

Kathleen Hall Jamieson to Receive Public Welfare Medal - Academy's Most Prestigious Award

Geodetic Infrastructure Needs Enhancements, Continued Maintenance to Answer High-Priority Scientific Questions

Using Science to Improve Eyewitness Testimony

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

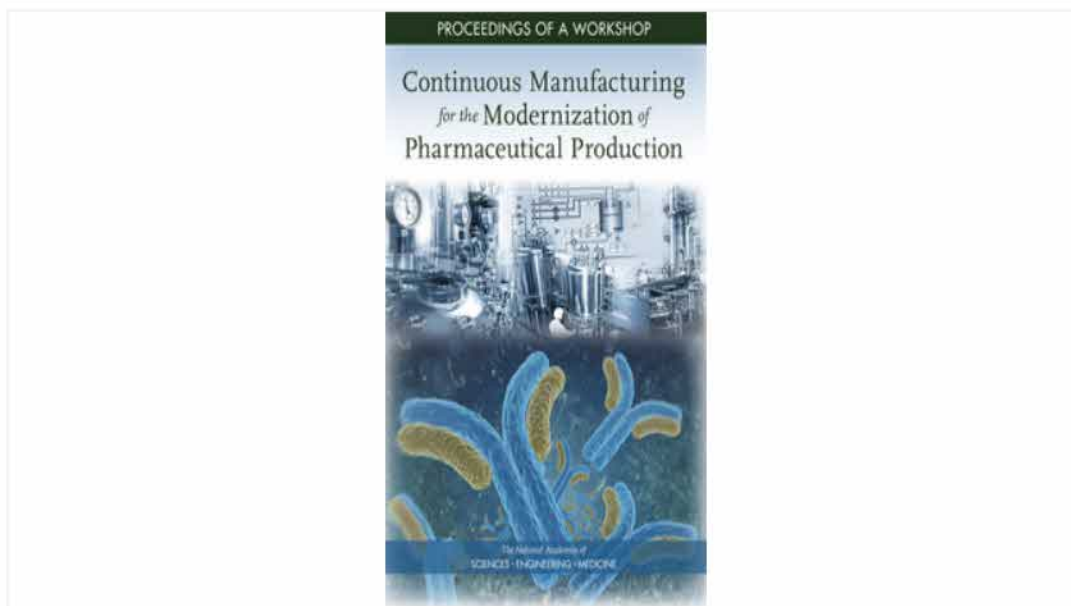
From: National Academies
Sent: 5 Feb 2019 01:21:39 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for February 4

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Continuous Manufacturing for the Modernization of Pharmaceutical Production: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[A Message from the Presidents of the NAS, NAE, and NAM](#)

[Agnes Kalibata to Receive Public Welfare Medal -- Academy's Most Prestigious Award](#)

[Academies' Climate Communications Initiative Releases Strategic Plan](#)

[Academy Honors 18 for Major Contributions to Science](#)

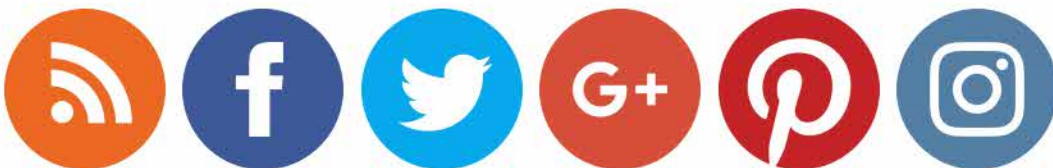
[Report Recommends Martian Moon Samples Be Designated Unrestricted Earth Return](#)

See more press releases in the [National Academies Newsroom](#).

NEW & FEATURED RESOURCE



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

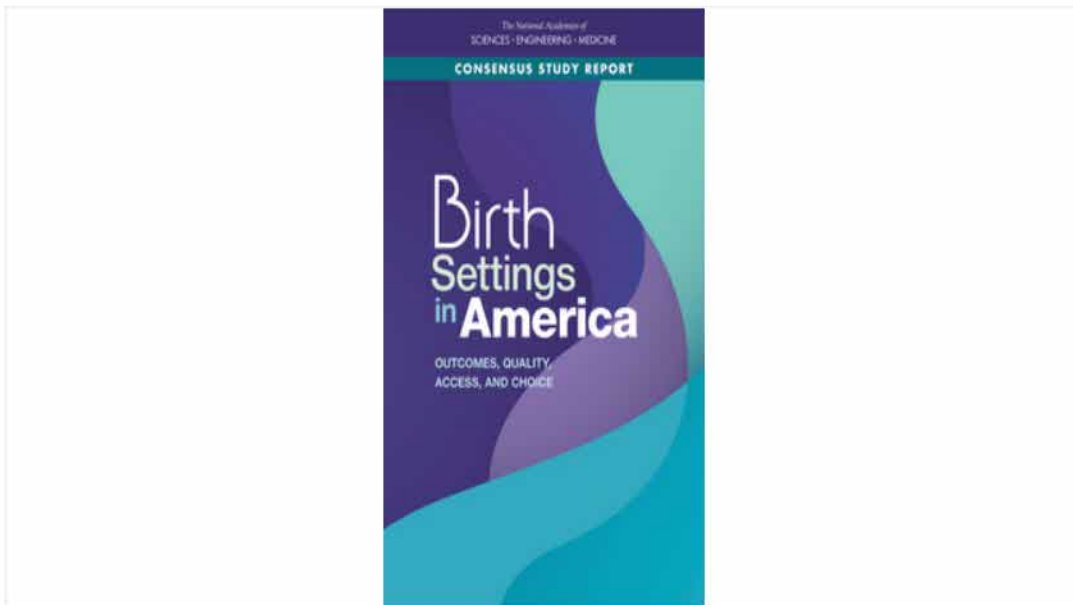
From: National Academies
Sent: 11 Feb 2020 00:57:02 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for February 10

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Behavioral and Social Sciences



Health and Medicine

[Birth Settings in America: Outcomes, Quality, Access, and Choice](#)



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

Media Advisory: Evaluating PEPFAR's Impact on HIV Outcomes, Health Workforce Development in Rwanda - Feb. 13 Report Release

Media Advisory: Changing Expectations for the K-12 Teacher Workforce - Feb. 12 Report Release

No Hospital, Birth Center, or Home Birth Is Risk-Free — But Better Access to Care, Quality of Care, and Care System Integration Can Improve Safety for Women and Infants During Birth, Says Report

Leading Voices to Discuss the Future of U.S. Science Policy at Feb. 26 Symposium

Progress Made Toward Priorities Defined in 2013-2022 Solar and Space Physics Decadal Survey

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

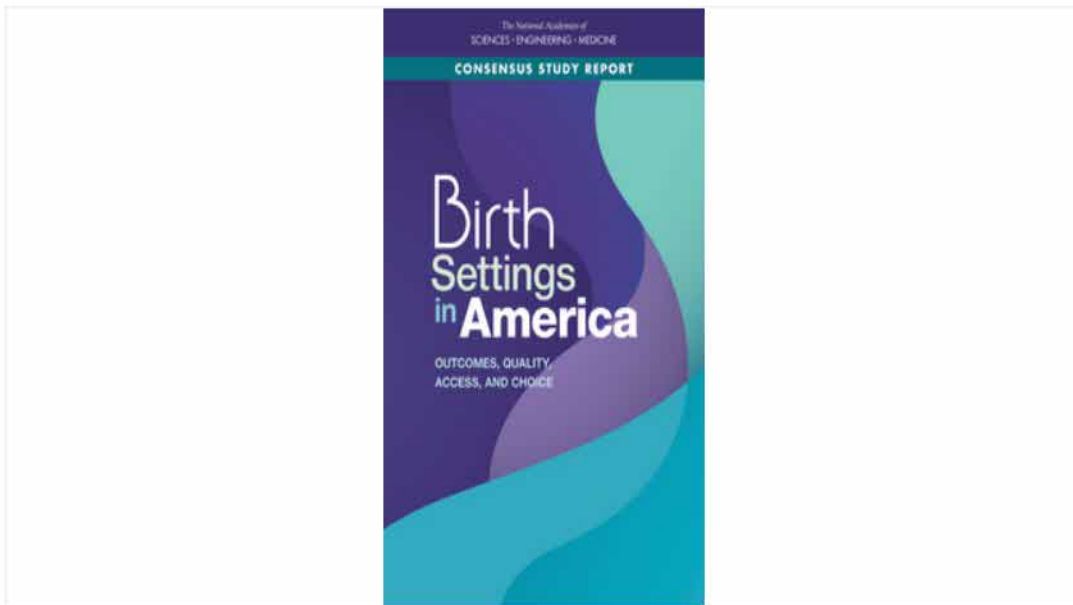
From: National Academies
Sent: 11 Feb 2020 00:41:58 +0000
To: Miller, Elaine R. (CDC/DDID/NCEZID/DHQP)
Subject: Read the New Publications and News for February 10

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Behavioral and Social Sciences



Health and Medicine

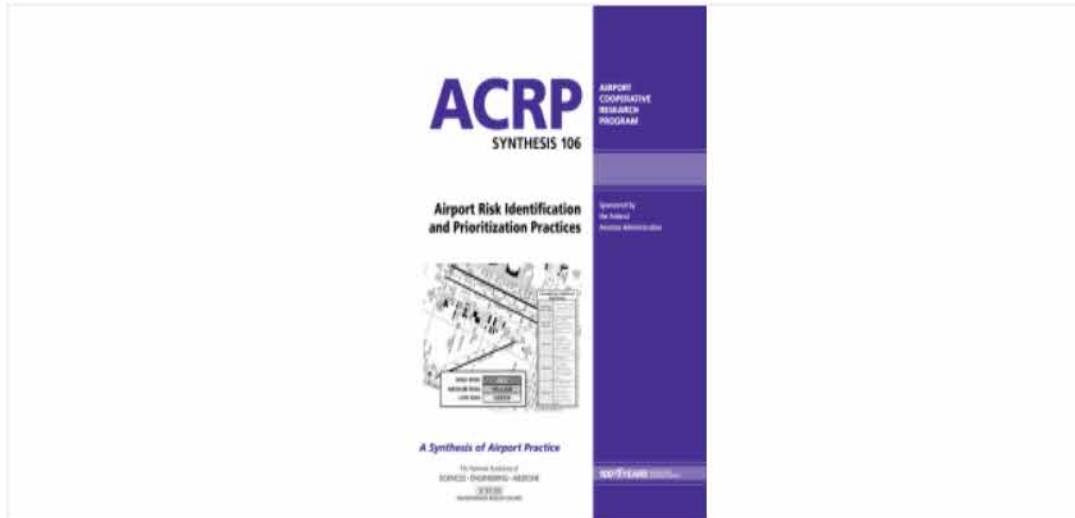
[Birth Settings in America: Outcomes, Quality, Access, and Choice](#)



[Buy This Book](#)



[Download Free PDF](#)

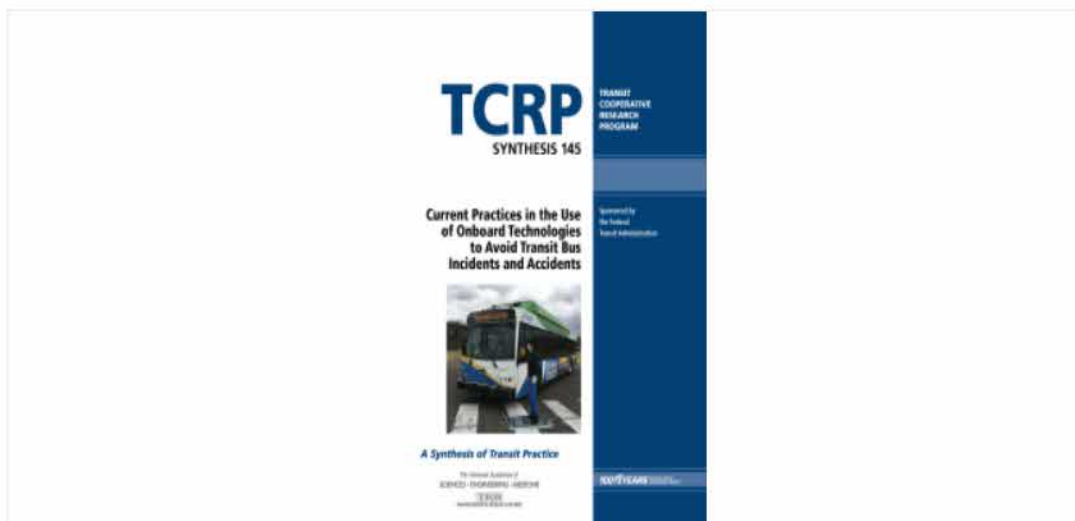


Transportation and Infrastructure

Airport Risk Identification and Prioritization Practices



[Download Free PDF](#)





Transportation and Infrastructure

Current Practices in the Use of Onboard Technologies to Avoid Transit Bus Incidents and Accidents



[Download Free PDF](#)

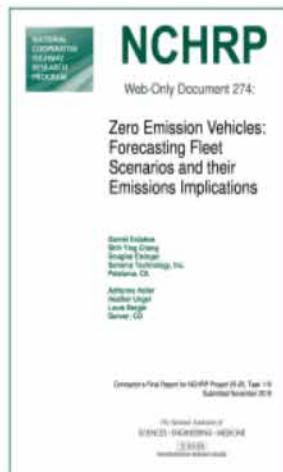


Transportation and Infrastructure

Foreseeing the Impact of Transformational Technologies on Land Use and Transportation



[Download Free PDF](#)



Transportation and Infrastructure

Zero Emission Vehicles: Forecasting Fleet Scenarios and their Emissions Implications



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Media Advisory: Evaluating PEPFAR's Impact on HIV Outcomes, Health Workforce Development in Rwanda - Feb. 13 Report Release](#)

[Media Advisory: Changing Expectations for the K-12 Teacher Workforce - Feb. 12 Report Release](#)

[No Hospital, Birth Center, or Home Birth Is Risk-Free — But Better Access to Care, Quality of Care, and Care System Integration Can Improve Safety for Women and Infants During Birth, Says Report](#)

[Leading Voices to Discuss the Future of U.S. Science Policy at Feb. 26 Symposium](#)

[Progress Made Toward Priorities Defined in 2013-2022 Solar and Space Physics Decadal Survey](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at [NAP.edu](#) to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Agriculture • Behavioral and Social Sciences • Biography and Autobiography • Biology and Life Sciences • Computers and Information Technology • Conflict and Security Issues • Earth Sciences • Education • Energy and Energy Conservation • Engineering and Technology • Environment and Environmental Studies • Food and Nutrition • Health and Medicine • Industry and Labor • Math, Chemistry, and Physics • Policy for Science and Technology • Space and Aeronautics •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

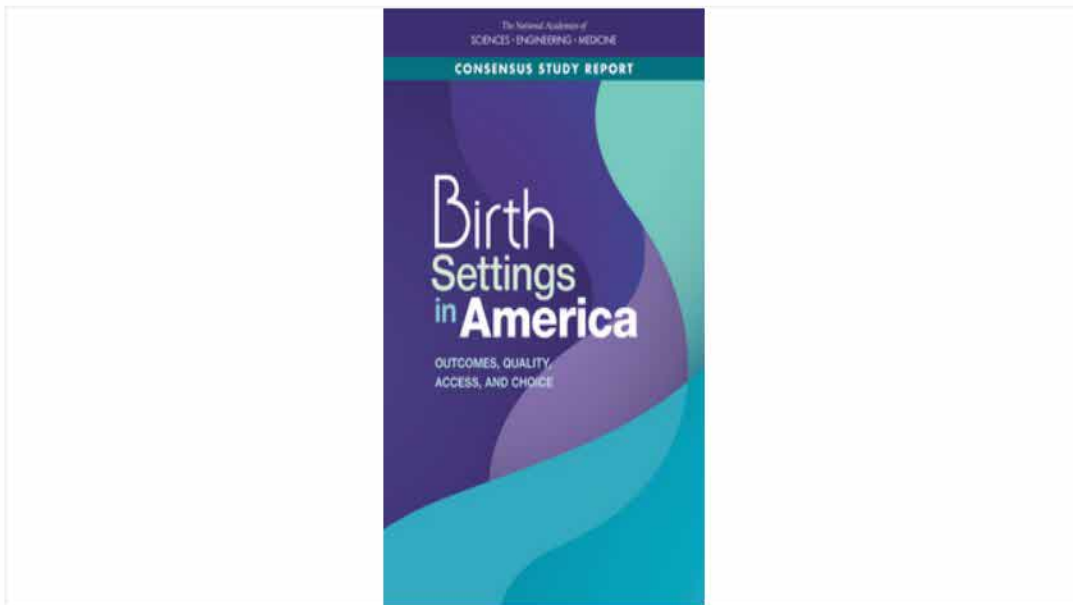
From: National Academies
Sent: 11 Feb 2020 00:58:00 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Read the New Publications and News for February 10

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Behavioral and Social Sciences



Health and Medicine

[Birth Settings in America: Outcomes, Quality, Access, and Choice](#)



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

Media Advisory: Evaluating PEPFAR's Impact on HIV Outcomes, Health Workforce Development in Rwanda - Feb. 13 Report Release

Media Advisory: Changing Expectations for the K-12 Teacher Workforce - Feb. 12 Report Release

No Hospital, Birth Center, or Home Birth Is Risk-Free — But Better Access to Care, Quality of Care, and Care System Integration Can Improve Safety for Women and Infants During Birth, Says Report

Leading Voices to Discuss the Future of U.S. Science Policy at Feb. 26 Symposium

Progress Made Toward Priorities Defined in 2013-2022 Solar and Space Physics Decadal Survey

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 12 Feb 2019 01:15:22 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for February 11

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

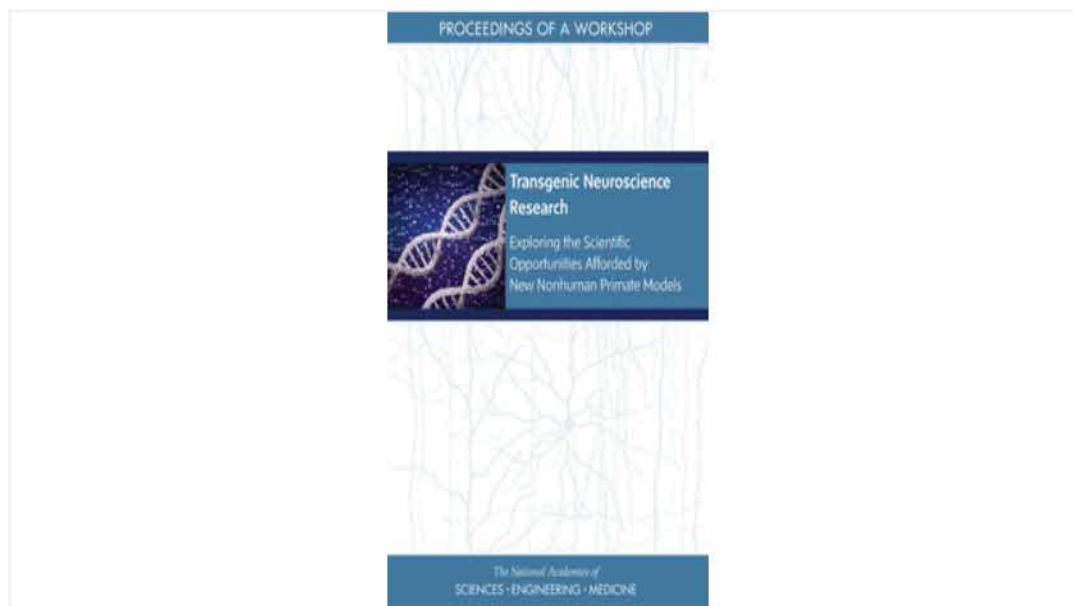
Examining the Impact of Real-World Evidence on Medical Product Development: Proceedings of a Workshop Series



Buy This Book



Download Free PDF



Health and Medicine

Transgenic Neuroscience Research: Exploring the Scientific Opportunities Afforded by New Nonhuman Primate Models: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[National Academy of Engineering Elects 86 Members and 18 Foreign Members](#)

[Partnerships Between NASA and Industry Can Support Lunar Exploration, Say Two New Reports](#)

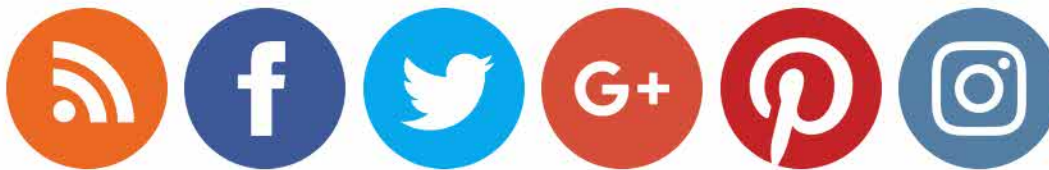
[A Message from the Presidents of the NAS, NAE, and NAM](#)

[Agnes Kalibata to Receive Public Welfare Medal -- Academy's Most Prestigious Award](#)

[Academies' Climate Communications Initiative Releases Strategic Plan](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 19 Feb 2020 01:03:57 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for February 18

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

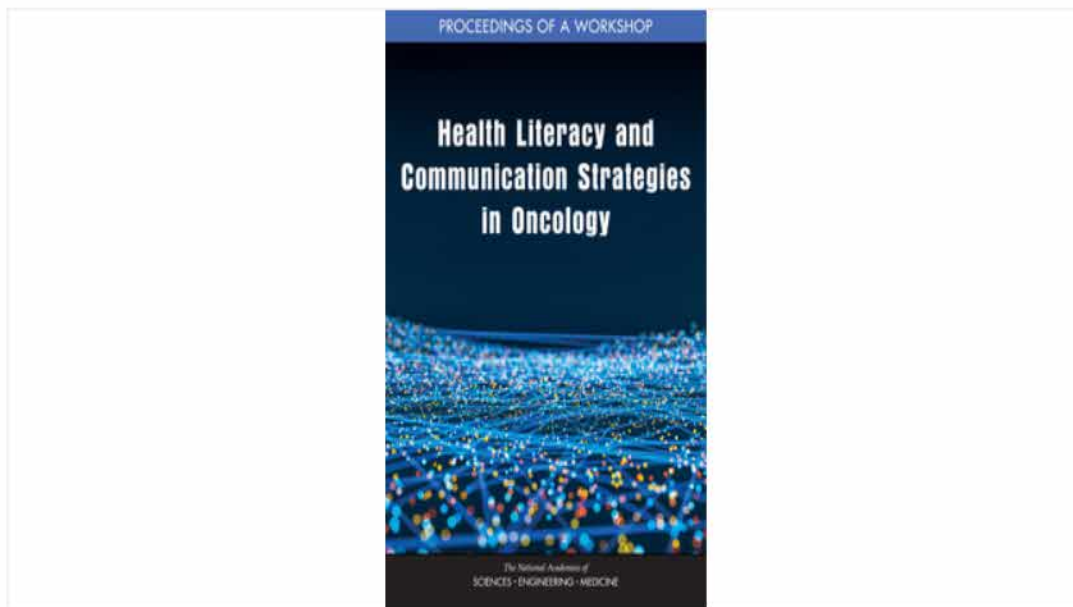
Evaluation of PEPFAR's Contribution (2012-2017) to Rwanda's Human Resources for Health Program



Buy This Book



Download Free PDF



Health and Medicine

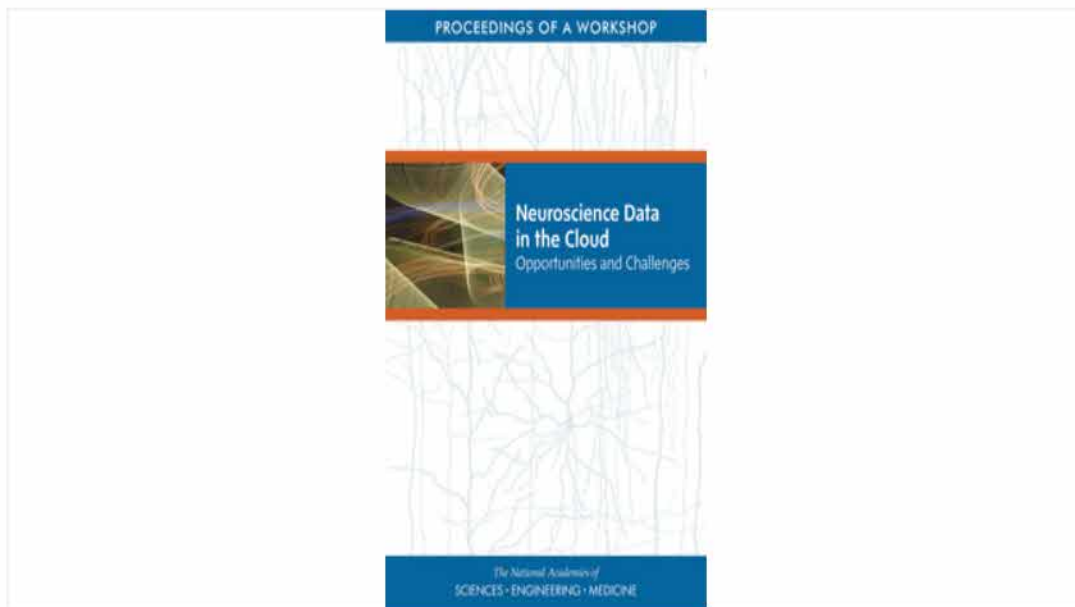
Health Literacy and Communication Strategies in Oncology: Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

Neuroscience Data in the Cloud: Opportunities and Challenges: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

New Report Evaluates PEPFAR Investments in Strengthening the Health Workforce in Rwanda

K-12 Teachers of Engineering in U.S. Lack Needed Preparation and Support from Education System

K-12 Teachers Face New Expectations and More Demands, But Training and Workforce Changes Could Help

National Academy of Engineering Elects 87 Members and 18 International Members

No Birth Setting Is Risk-Free, But Changes Can Improve Safety for Women and Infants

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

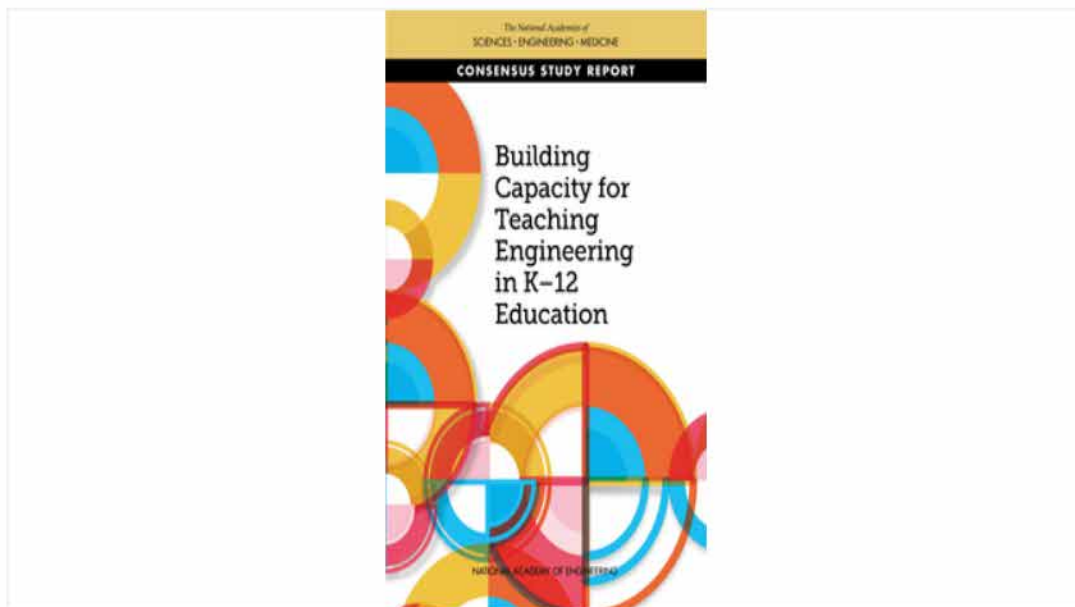
From: National Academies
Sent: 19 Feb 2020 00:46:47 +0000
To: Miller, Elaine R. (CDC/DDID/NCEZID/DHQP)
Subject: Read the New Publications and News for February 18

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Education

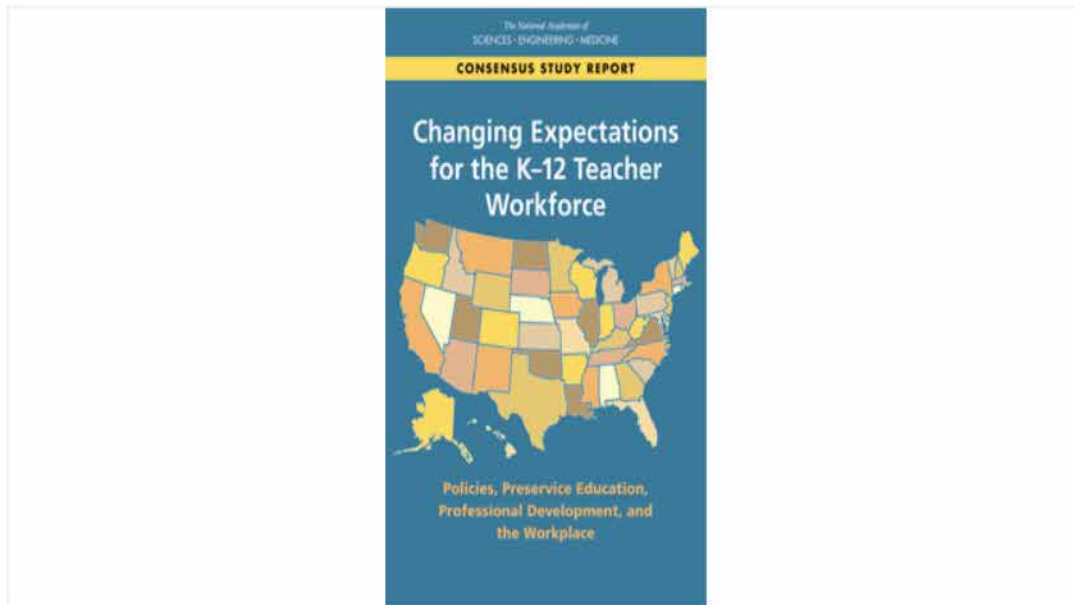
Building Capacity for Teaching Engineering in K-12 Education



Buy This Book



Download Free PDF



Education

Changing Expectations for the K-12 Teacher Workforce: Policies, Preservice Education, Professional Development, and the Workplace



Buy This Book



Download Free PDF





Health and Medicine

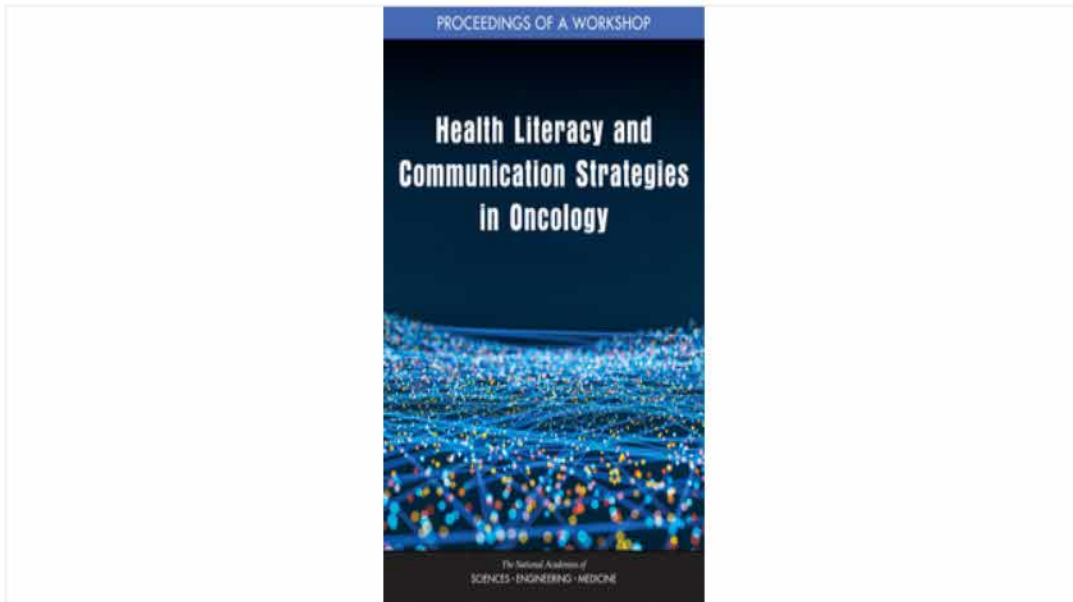
Evaluation of PEPFAR's Contribution (2012-2017) to Rwanda's Human Resources for Health Program



Buy This Book



Download Free PDF



Health and Medicine

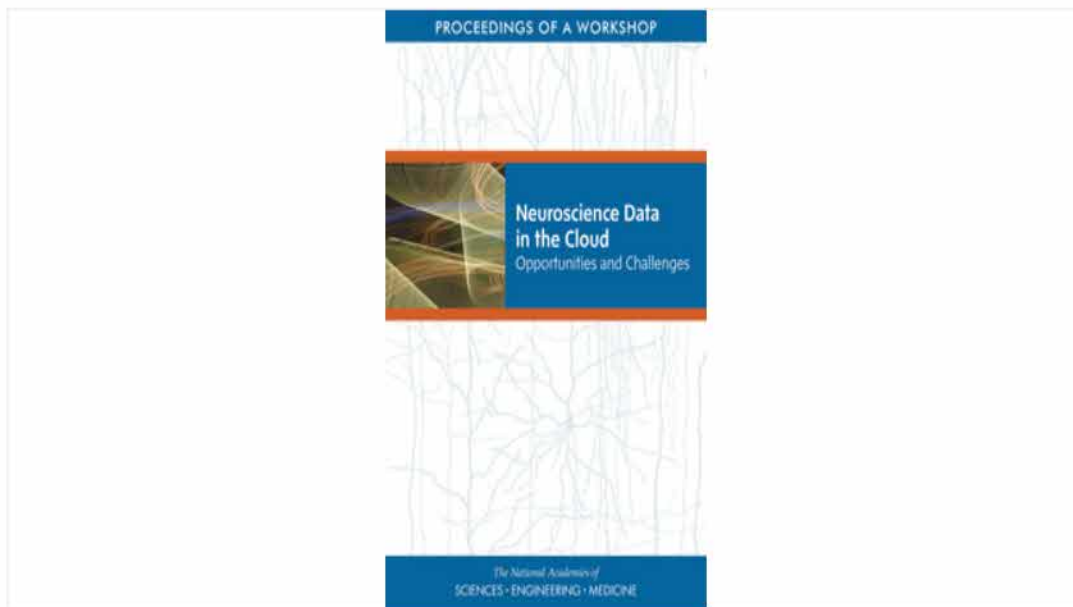
Health Literacy and Communication Strategies in Oncology: Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

Neuroscience Data in the Cloud: Opportunities and Challenges: Proceedings of a Workshop



[Buy This Book](#)



[Download Free PDF](#)





Transportation and Infrastructure

Estimating Market Value and Establishing Market Rent at Small Airports



[Download Free PDF](#)

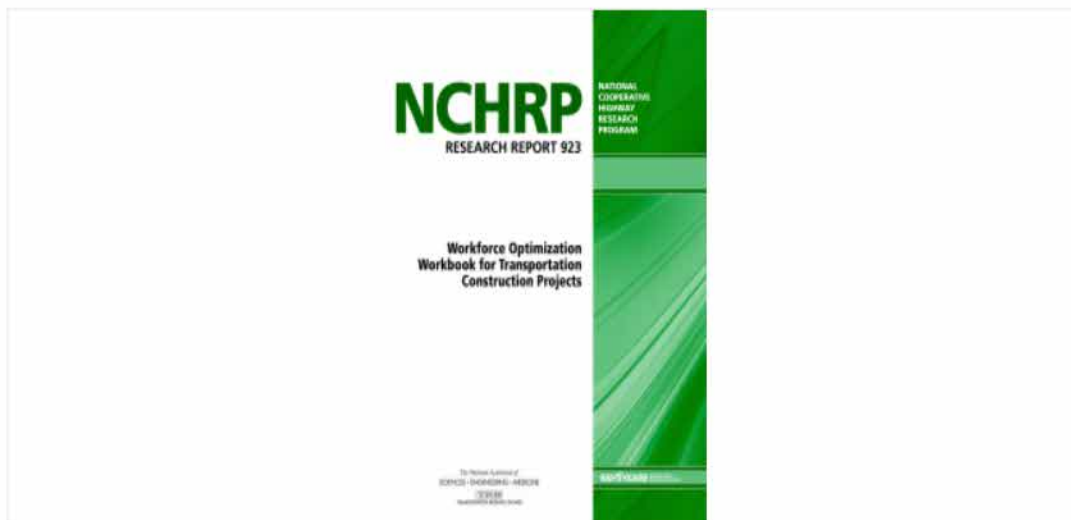


Transportation and Infrastructure

Public-Private Partnerships: What Are the Lessons Learned?



[Download Free PDF](#)



Transportation and Infrastructure

Workforce Optimization Workbook for Transportation Construction Projects



[Download Free PDF](#)

NEWS FROM THE NATIONAL ACADEMIES

[New Report Evaluates PEPFAR Investments in Strengthening the Health Workforce in Rwanda](#)

[K-12 Teachers of Engineering in U.S. Lack Needed Preparation and Support from Education System](#)

[K-12 Teachers Face New Expectations and More Demands, But Training and Workforce Changes Could Help](#)

[National Academy of Engineering Elects 87 Members and 18 International Members](#)

[No Birth Setting Is Risk-Free, But Changes Can Improve Safety for Women and Infants](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Agriculture • Behavioral and Social Sciences • Biography and Autobiography • Biology and Life Sciences • Computers and Information Technology • Conflict and Security Issues • Earth Sciences • Education • Energy and Energy Conservation • Engineering and Technology • Environment and Environmental Studies • Food and Nutrition • Health and Medicine • Industry and Labor • Math, Chemistry, and Physics • Policy for Science and Technology • Space and Aeronautics •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 19 Feb 2020 01:07:46 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Read the New Publications and News for February 18

[View this email in your browser](#)

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

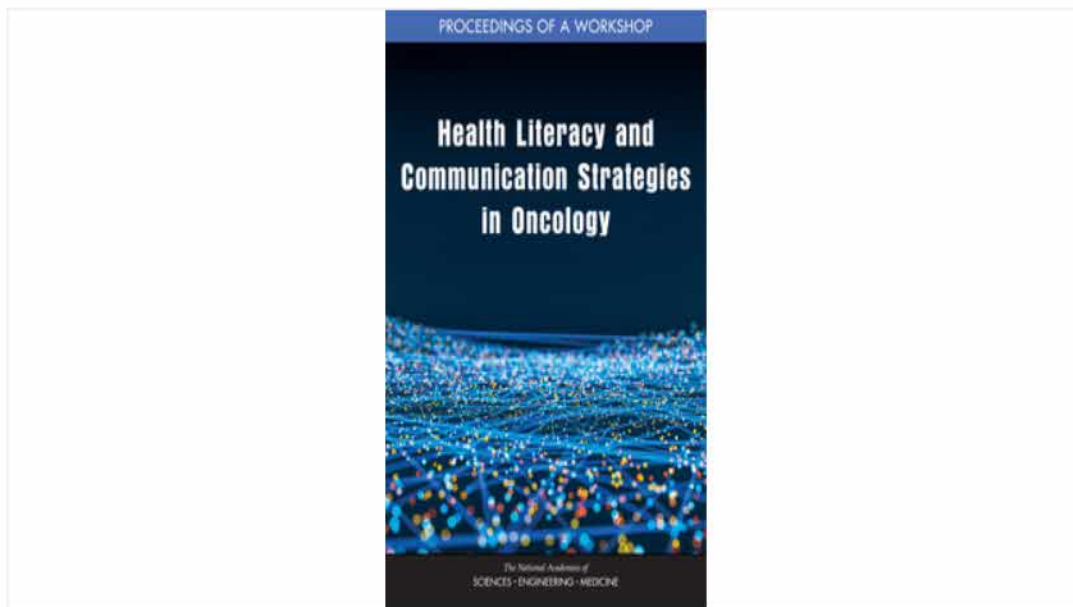
Evaluation of PEPFAR's Contribution (2012-2017) to Rwanda's Human Resources for Health Program



Buy This Book



Download Free PDF



Health and Medicine

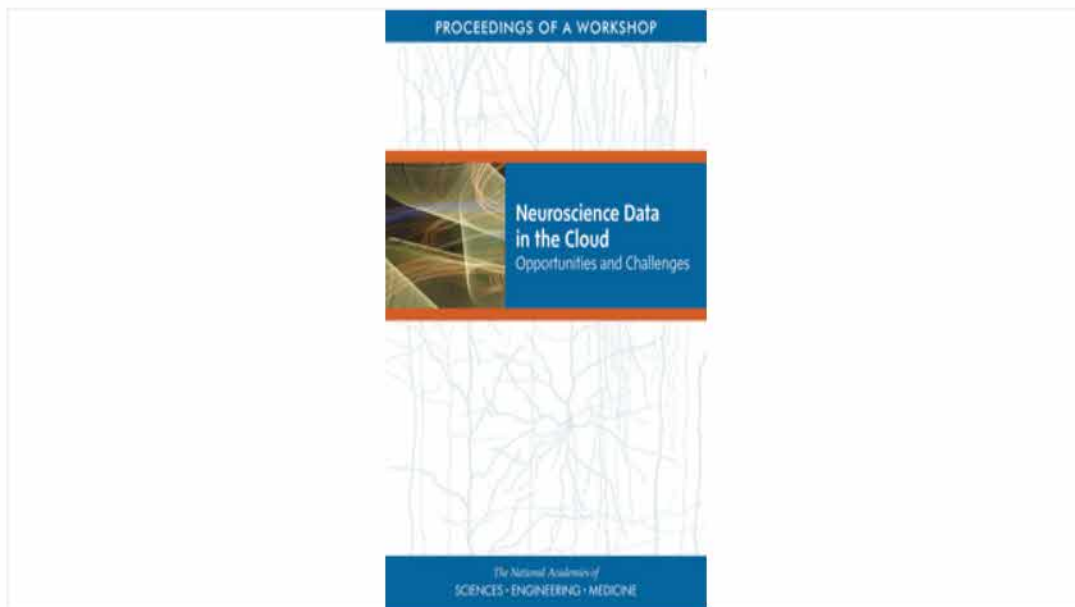
Health Literacy and Communication Strategies in Oncology: Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

Neuroscience Data in the Cloud: Opportunities and Challenges: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[New Report Evaluates PEPFAR Investments in Strengthening the Health Workforce in Rwanda](#)

[K-12 Teachers of Engineering in U.S. Lack Needed Preparation and Support from Education System](#)

[K-12 Teachers Face New Expectations and More Demands, But Training and Workforce Changes Could Help](#)

[National Academy of Engineering Elects 87 Members and 18 International Members](#)

[No Birth Setting Is Risk-Free, But Changes Can Improve Safety for Women and Infants](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 21 Feb 2019 01:35:12 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for February 20

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

School Success: An Opportunity for Population Health: Proceedings of a Workshop—in Brief



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

Tenth Anniversary of Landmark Report on Forensic Science

National Academy of Sciences Elects Home Secretary and Councilors

Call for Creation of Research Policy Board

National Academy of Engineering Elects 86 Members and 18 Foreign Members

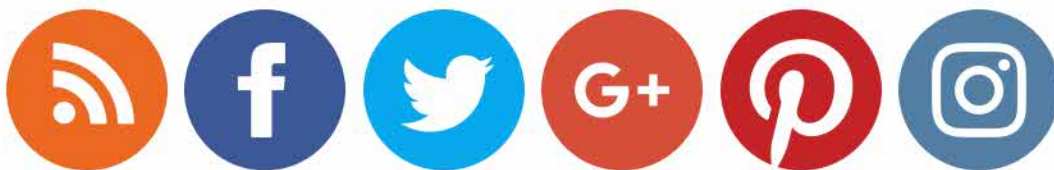
Partnerships Between NASA and Industry Can Support Lunar Exploration, Say Two New Reports

See more press releases in the [National Academies Newsroom](#).

FEATURED INTERACTIVE INFOGRAPHIC

TEACHER GUIDANCE DURING SCIENCE INVESTIGATION AND ENGINEERING DESIGN

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

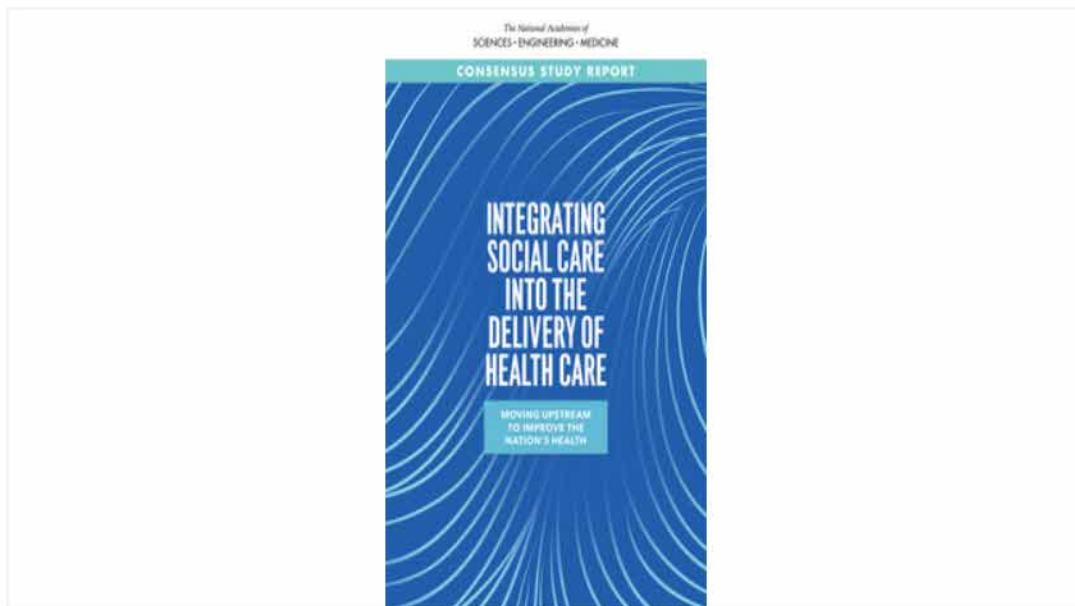
From: National Academies
Sent: 7 Jan 2020 00:51:27 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for January 6

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Integrating Social Care into the Delivery of Health Care: Moving Upstream to Improve the Nation's Health



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Panchanathan Nominated to Serve as Next Director of NSF](#)

[Roundtable on Aligning Incentives for Open Science Receives Grant from Arcadia Fund](#)

[Report Offers Framework for Setting Opioid Prescribing Guidelines for Medical Conditions, Surgeries Associated with Acute Pain](#)

[Report Offers Promising Approaches to Make HHS Adolescent Health Programs More Effective](#)

[International Collaboration, Cross-Disciplinary Workforce Development and Education Needed for U.S. to Maintain Leadership in Atomic, Molecular, and Optical Science](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

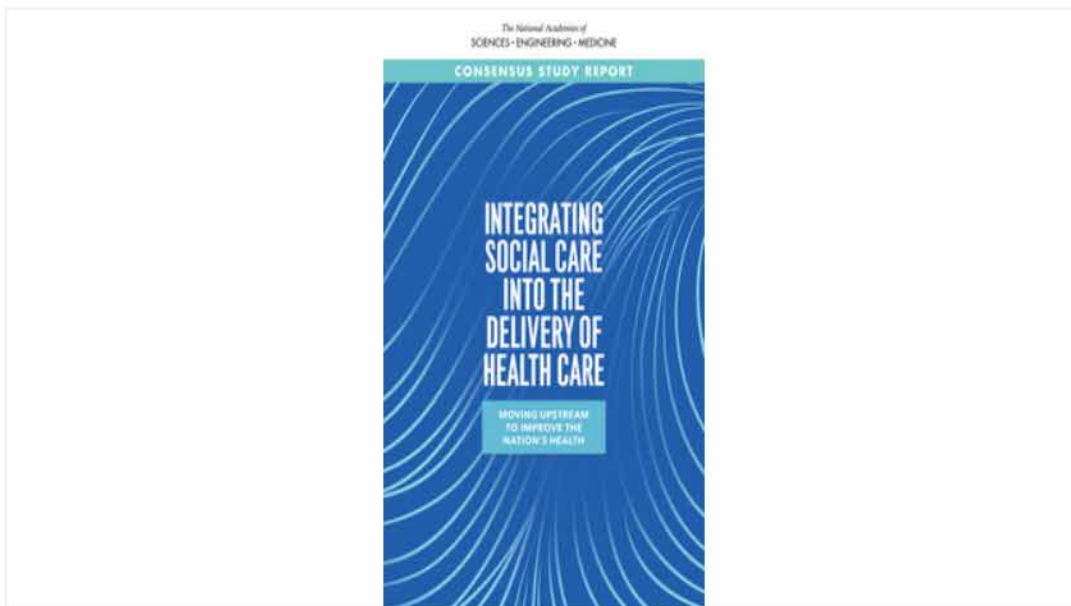
From: National Academies
Sent: 7 Jan 2020 00:54:45 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Read the New Publications and News for January 6

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Integrating Social Care into the Delivery of Health Care: Moving Upstream to Improve the Nation's Health



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Panchanathan Nominated to Serve as Next Director of NSF](#)

[Roundtable on Aligning Incentives for Open Science Receives Grant from Arcadia Fund](#)

[Report Offers Framework for Setting Opioid Prescribing Guidelines for Medical Conditions, Surgeries Associated with Acute Pain](#)

[Report Offers Promising Approaches to Make HHS Adolescent Health Programs More Effective](#)

[International Collaboration, Cross-Disciplinary Workforce Development and Education Needed for U.S. to Maintain Leadership in Atomic, Molecular, and Optical Science](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

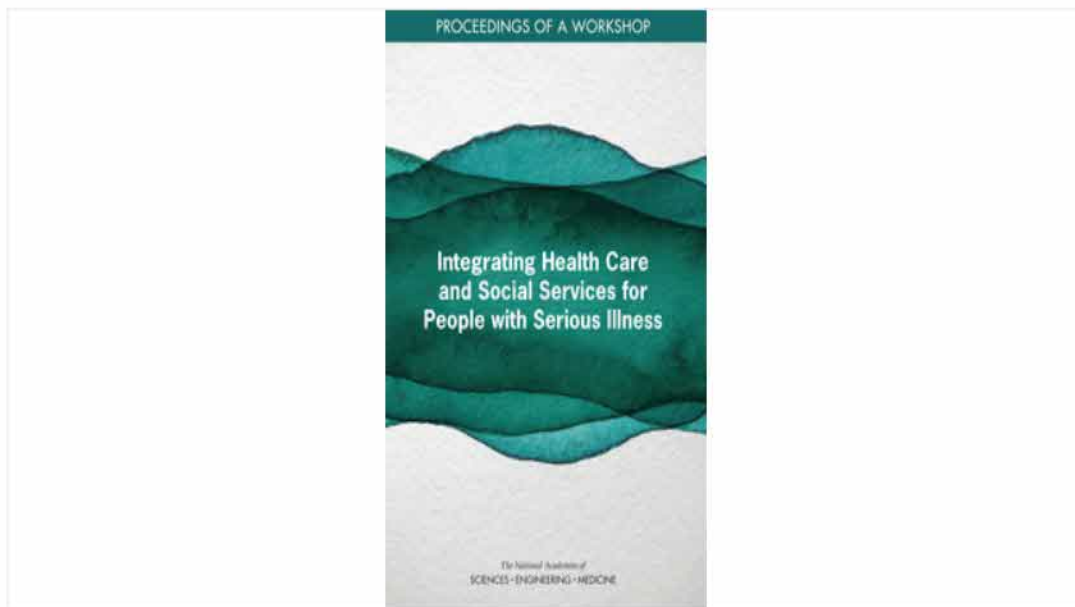
From: National Academies
Sent: 16 Jan 2019 01:26:31 +0000
To: Bunnell, Rebecca (CDC/DDPHSIS/CGH/DGHP)
Subject: Read the New Publications and News for January 15

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Integrating Health Care and Social Services for People with Serious Illness: Proceedings of a Workshop



[Buy This Book](#)



[Download Free PDF](#)

NEWS FROM THE NATIONAL ACADEMIES

[Brief Summary of Second International Summit on Human Genome Editing Now Available](#)

[Biotechnology Holds Promise for Protecting Forest Health](#)

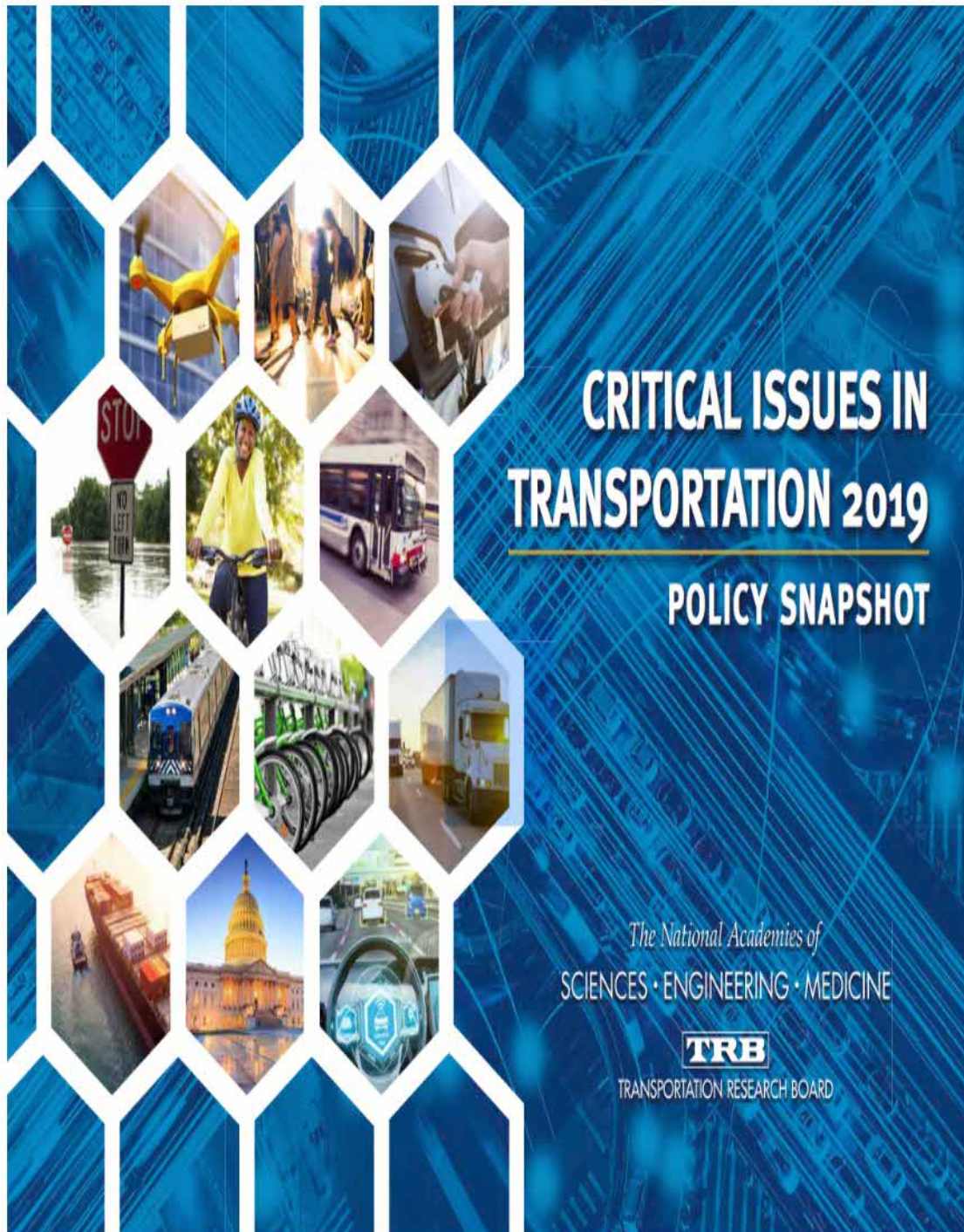
[2019 Bernard M. Gordon Prize for Innovation in Engineering and Technology Education Awarded to Georgia Tech and Emory University Educators](#)

[Call for Nominations for 2019 Communication Awards](#)

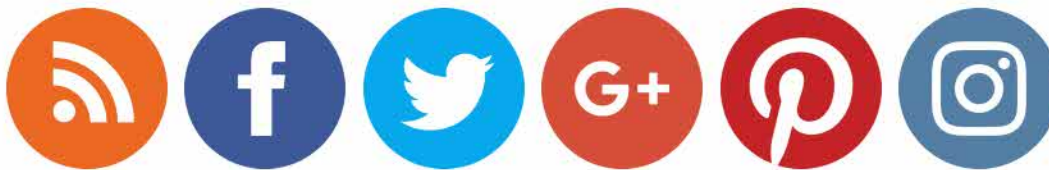
[Innovators of Coronary Angioplasty Win 2019 Fritz J. and Dolores H. Russ Prize](#)

See more press releases in the [National Academies Newsroom](#).

NEW & FEATURED RESOURCE



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

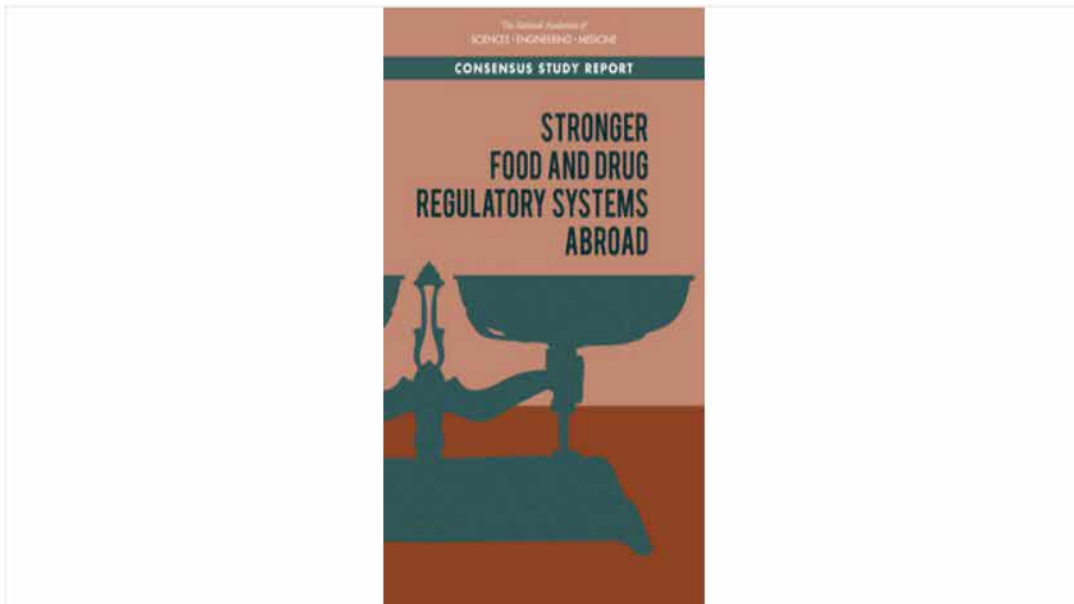
From: National Academies
Sent: 22 Jan 2020 01:04:10 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for January 21

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Food and Nutrition



Health and Medicine

Stronger Food and Drug Regulatory Systems Abroad

[Buy This Book](#)[Download Free PDF](#)

Health and Medicine

Informing the Selection of Leading Health Indicators for Healthy People 2030: Proceedings of a Workshop—in Brief

[Download Free PDF](#)

NEWS FROM THE NATIONAL ACADEMIES

[Gulf Research Program Awards \\$7.25 Million to Improve Safety Culture in the Oil and Gas Industry](#)

[Transportation Secretary Chao Highlights Autonomous Vehicles, Innovative Technologies at TRB Annual Meeting 2020](#)

[New Report Recommends Ways to Improve Safety of Food, Medicines in Low- and Middle-Income Countries](#)

[U.S. Bioeconomy Is Strong, But Faces Challenges; Expanded Efforts in Coordination, Talent, Security, and Fundamental Research Are Needed](#)

[The Ford Fellowship Family: Empowering Scholarship and Diversity](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

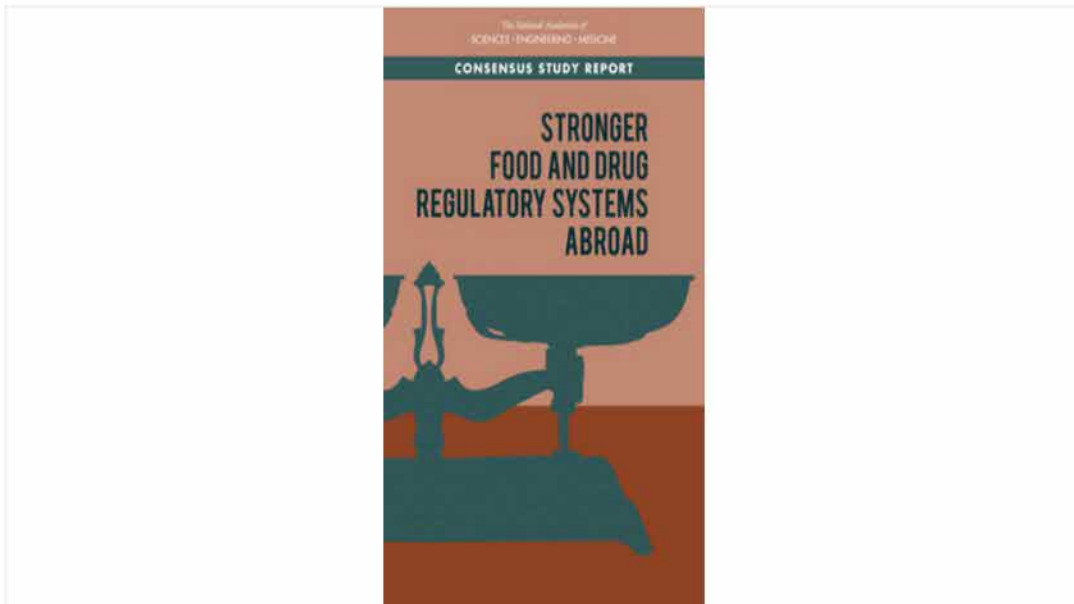
From: National Academies
Sent: 22 Jan 2020 01:04:10 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Read the New Publications and News for January 21

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Food and Nutrition



Health and Medicine

Stronger Food and Drug Regulatory Systems Abroad



Buy This Book



Download Free PDF



Health and Medicine

Informing the Selection of Leading Health Indicators for Healthy People 2030: Proceedings of a Workshop—in Brief



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

Gulf Research Program Awards \$7.25 Million to Improve Safety Culture in the Oil and Gas Industry

Transportation Secretary Chao Highlights Autonomous Vehicles, Innovative Technologies at TRB Annual Meeting 2020

New Report Recommends Ways to Improve Safety of Food, Medicines in Low- and Middle-Income Countries

U.S. Bioeconomy Is Strong, But Faces Challenges; Expanded Efforts in Coordination, Talent, Security, and Fundamental Research Are Needed

The Ford Fellowship Family: Empowering Scholarship and Diversity

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

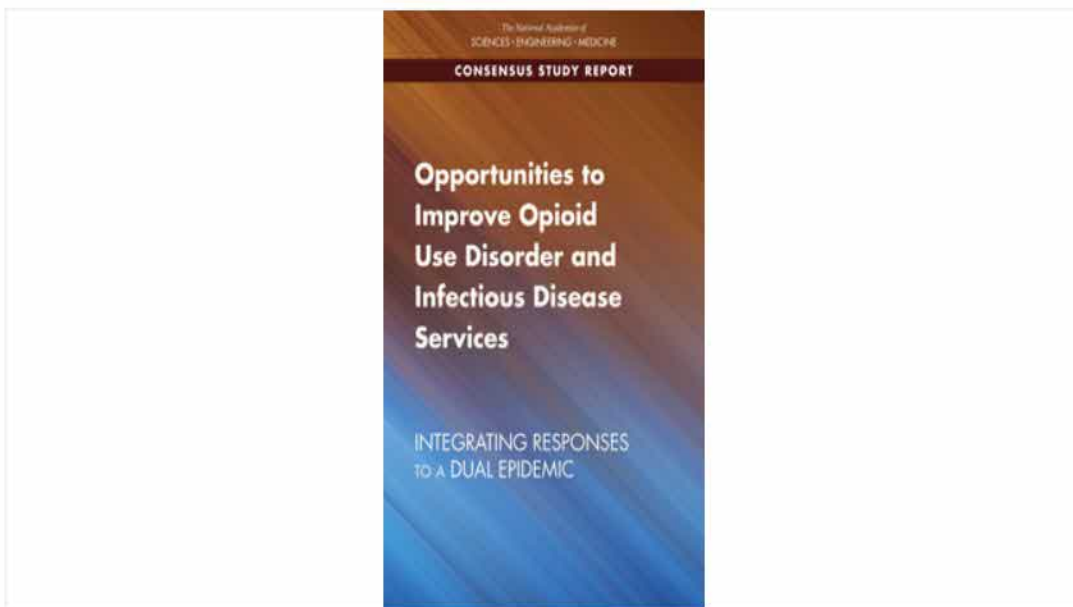
From: National Academies
Sent: 28 Jan 2020 00:58:06 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for January 27

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

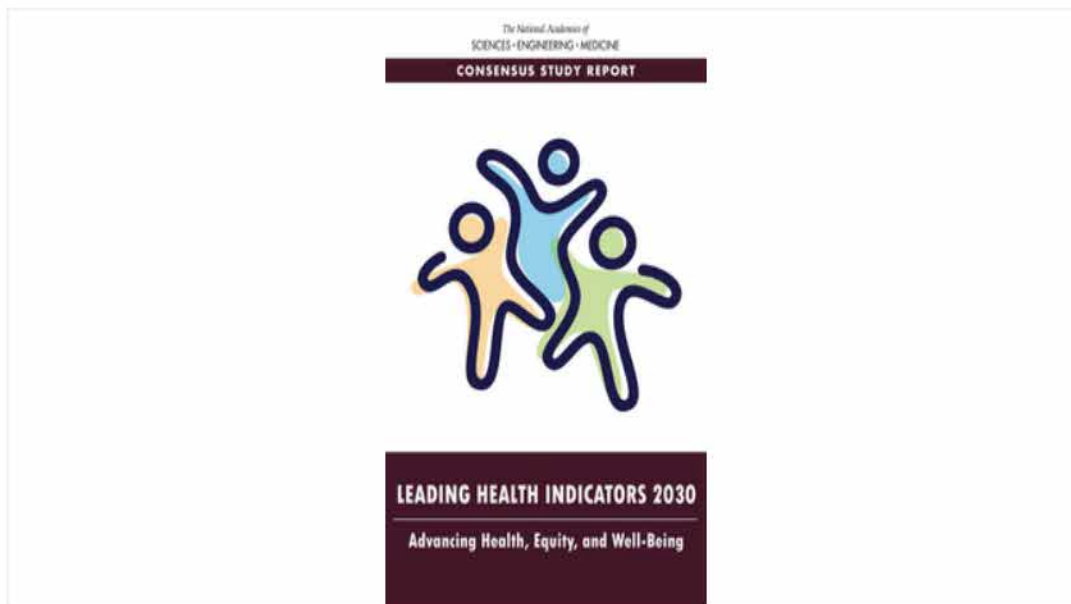
Opportunities to Improve Opioid Use Disorder and Infectious Disease Services: Integrating Responses to a Dual Epidemic



Buy This Book



Download Free PDF



Health and Medicine

Leading Health Indicators 2030: Advancing Health, Equity, and Well-Being



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Using Science to Improve Eyewitness Testimony](#)

[A Message from the Presidents of the NAS, NAE, and NAM](#)

[Treating Opioid Use Disorder, Infectious Diseases in an Integrated Way](#)

[NAM Elects Dzau for Second Term as President, Elects Next Foreign Secretary](#)

[New Report Recommends 34 Leading Health Indicators for Healthy People 2030](#)

See more press releases in the [National Academies Newsroom](#).

NEW & FEATURED

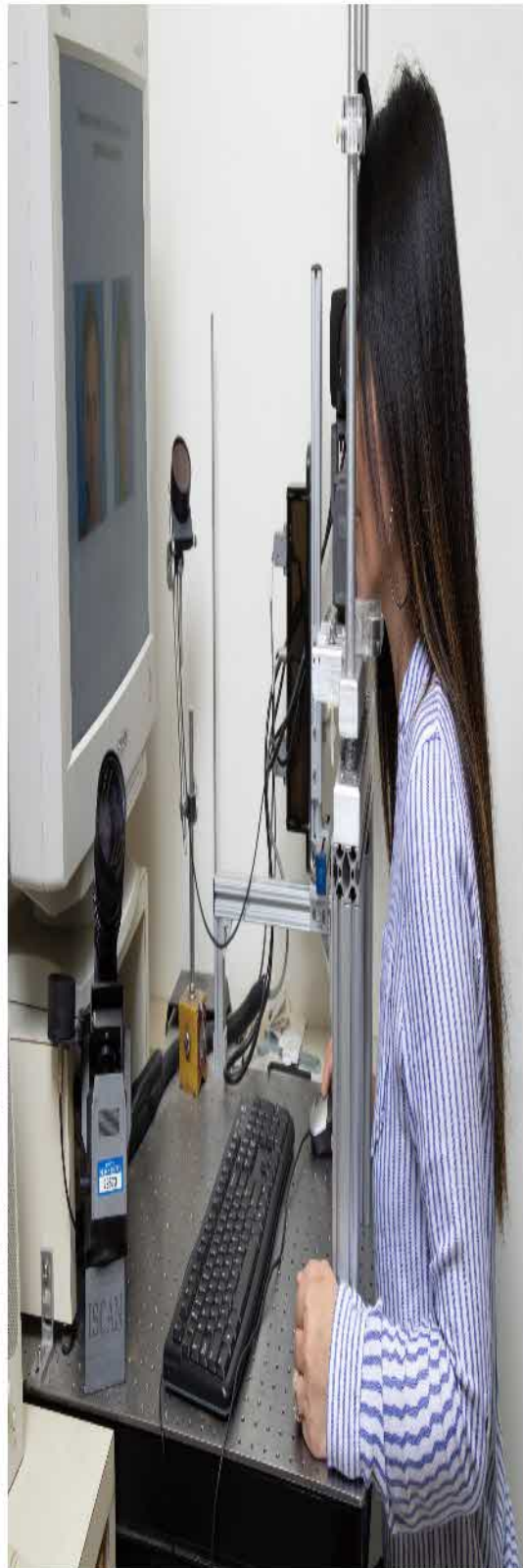


Presidents' Address

With great change comes great opportunity: the chance to help shape the future through science and evidence. With the new year underway, presidents from NAS, NAE, and NAM share their thoughts on what the future holds.

Using Science to Improve Eyewitness Testimony

Five years ago the National Academies released a report urging caution in handling and relying upon eyewitness identifications in criminal investigations. Since then, at least 19 states have adopted safeguards to help reduce errors, due in part to this report. In an interview, NAS member Tom Albright explains the science that helped shape the report, and reflects on its impact.



CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

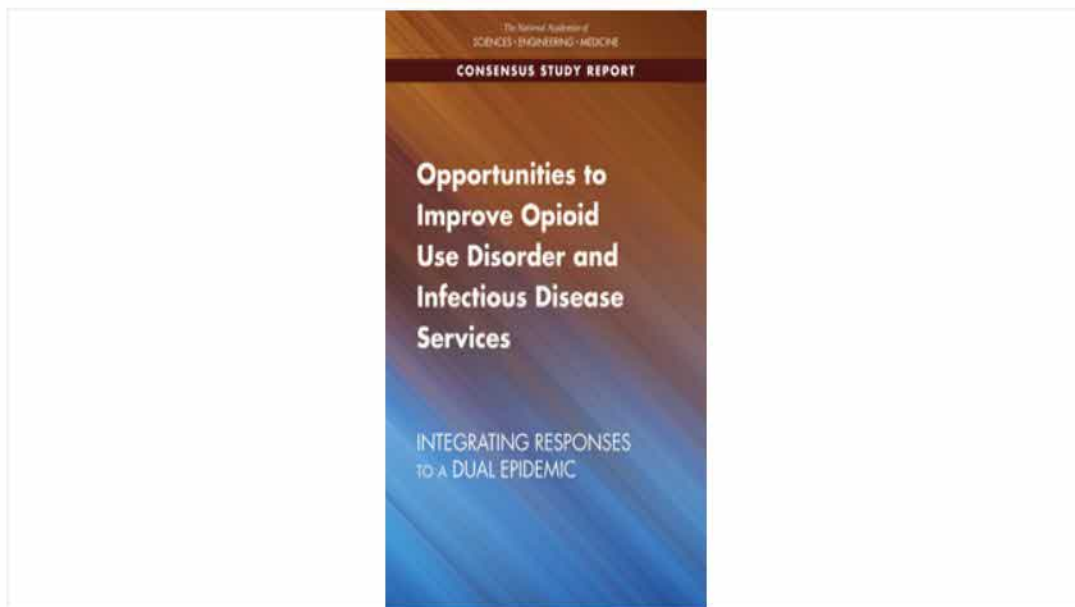
[Add us to your address book](#)

From: National Academies
Sent: 28 Jan 2020 01:00:05 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Read the New Publications and News for January 27

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE
NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

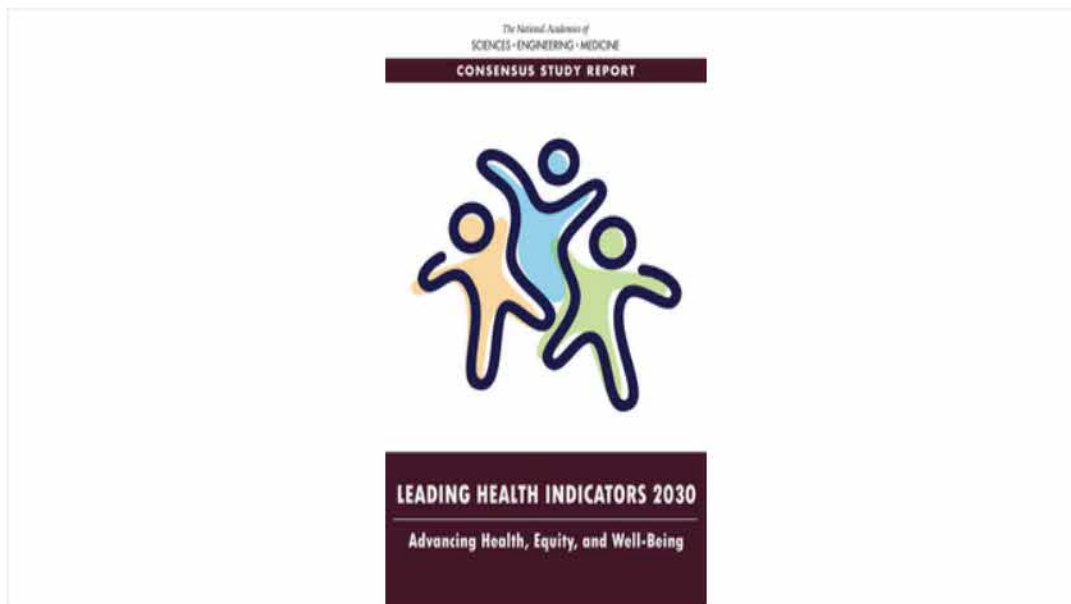
Opportunities to Improve Opioid Use Disorder and Infectious Disease Services: Integrating Responses to a Dual Epidemic



Buy This Book



Download Free PDF



Health and Medicine

Leading Health Indicators 2030: Advancing Health, Equity, and Well-Being



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Using Science to Improve Eyewitness Testimony](#)

[A Message from the Presidents of the NAS, NAE, and NAM](#)

[Treating Opioid Use Disorder, Infectious Diseases in an Integrated Way](#)

[NAM Elects Dzau for Second Term as President, Elects Next Foreign Secretary](#)

[New Report Recommends 34 Leading Health Indicators for Healthy People 2030](#)

See more press releases in the [National Academies Newsroom](#).

NEW & FEATURED

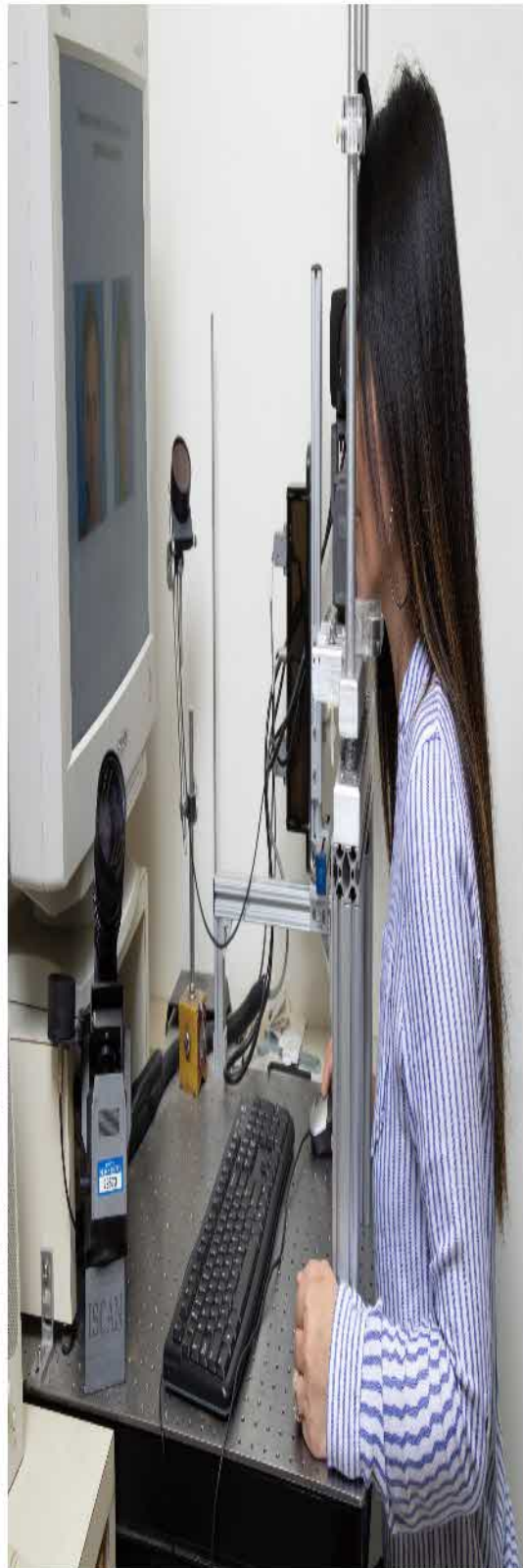


Presidents' Address

With great change comes great opportunity: the chance to help shape the future through science and evidence. With the new year underway, presidents from NAS, NAE, and NAM share their thoughts on what the future holds.

Using Science to Improve Eyewitness Testimony

Five years ago the National Academies released a report urging caution in handling and relying upon eyewitness identifications in criminal investigations. Since then, at least 19 states have adopted safeguards to help reduce errors, due in part to this report. In an interview, NAS member Tom Albright explains the science that helped shape the report, and reflects on its impact.



CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press. You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

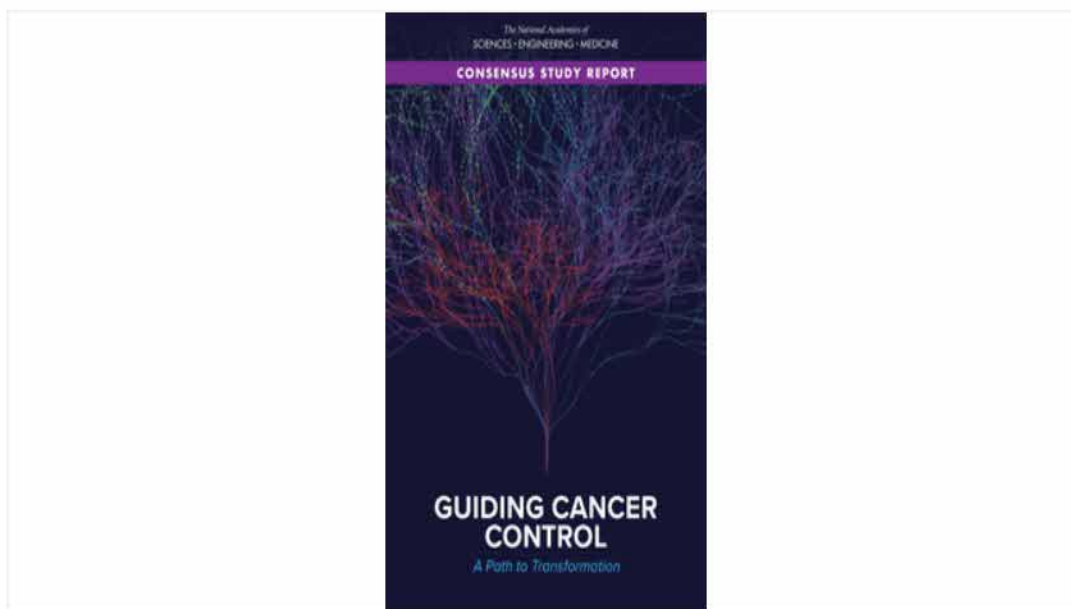
From: National Academies
Sent: 2 Jul 2019 00:09:34 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for July 1

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Guiding Cancer Control: A Path to Transformation



[Buy This Book](#)



[Download Free PDF](#)

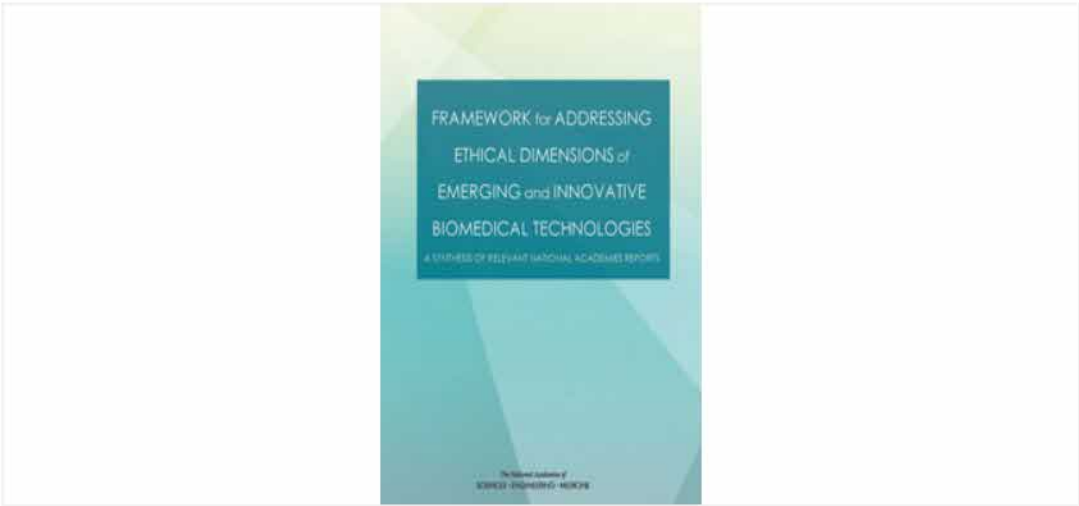


Health and Medicine

A Health Equity Approach to Obesity Efforts: Proceedings of a Workshop— in Brief



Download Free PDF



Health and Medicine

Framework for Addressing Ethical Dimensions of Emerging and Innovative Biomedical Technologies: A Synthesis of Relevant National Academies Reports



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Examining National Cancer Control Efforts](#)

[Study Committee Members Brief Congress on Election Security](#)

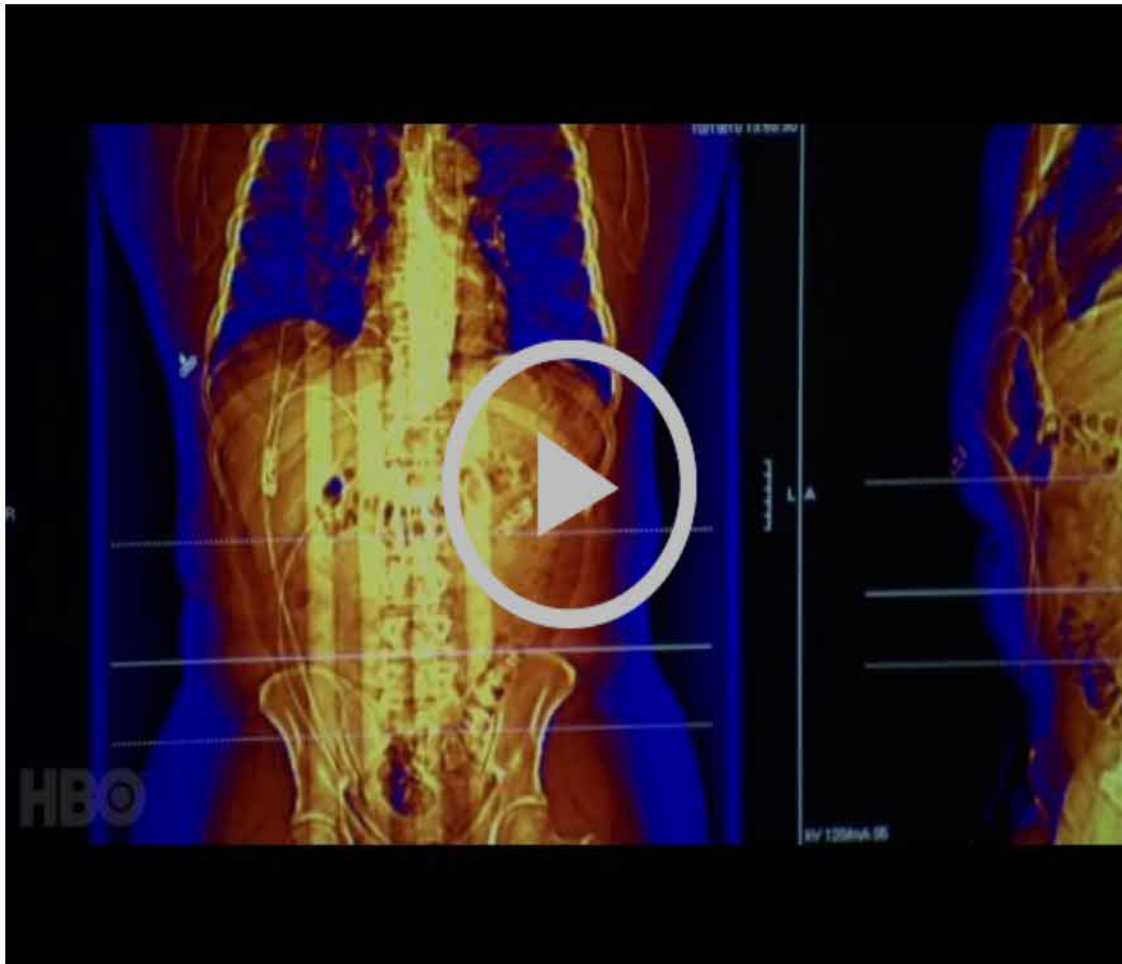
[Academies Call for Global Action to Reduce Air Pollution](#)

[National Academies Presidents Affirm the Scientific Evidence of Climate Change](#)

[New Report Calls for a National System to Measure Equity in Education, Identify Disparities in Outcomes and Opportunity](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

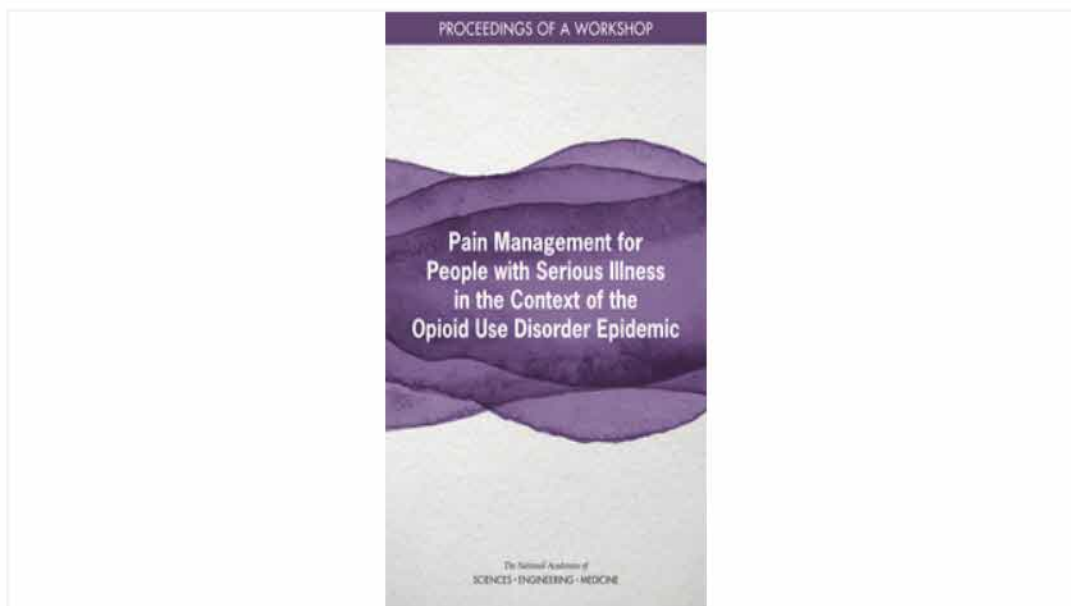
From: National Academies
Sent: 8 Jul 2019 23:57:37 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for July 8

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Pain Management for People with Serious Illness in the Context of the Opioid Use Disorder Epidemic: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[John L. Anderson Takes Helm at NAE](#)

[NAE Receives \\$2 Million to Expand EngineerGirl](#)

[Examining National Cancer Control Efforts](#)

[Study Committee Members Brief Congress on Election Security](#)

[Academies Call for Global Action to Reduce Air Pollution](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

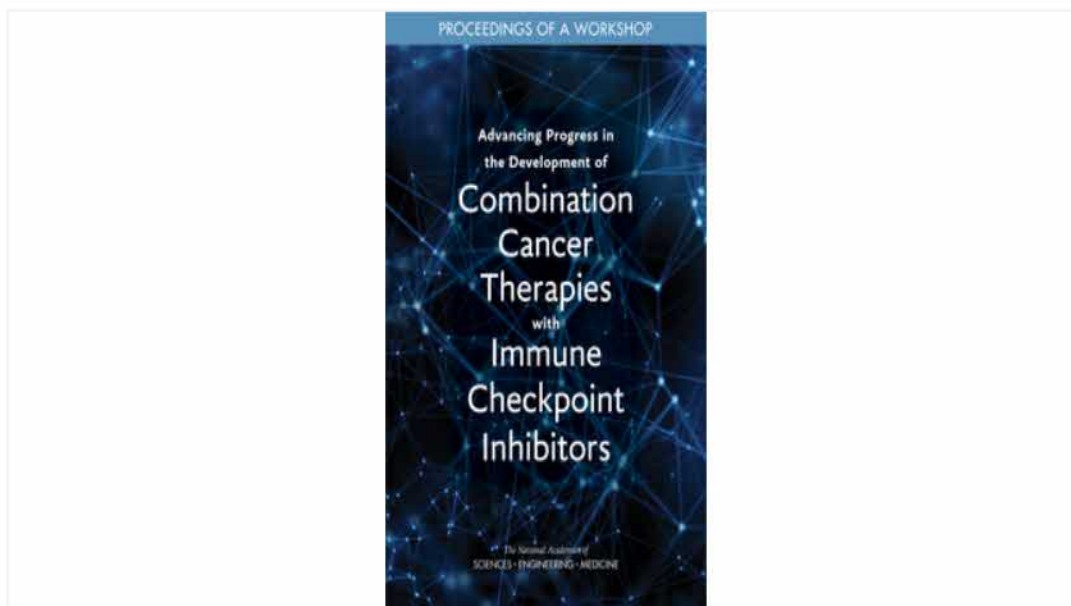
From: National Academies
Sent: 15 Jul 2019 23:37:38 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for July 15

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Advancing Progress in the Development of Combination Cancer Therapies with Immune Checkpoint Inhibitors: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

Federal Investments Are Imperative for Continued Success in Highway Innovation, Says New Report

International Meeting Explores How to Fund Science for Sustainability

John L. Anderson Takes Helm at NAE

NAE Receives \$2 Million to Expand EngineerGirl

Examining National Cancer Control Efforts

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

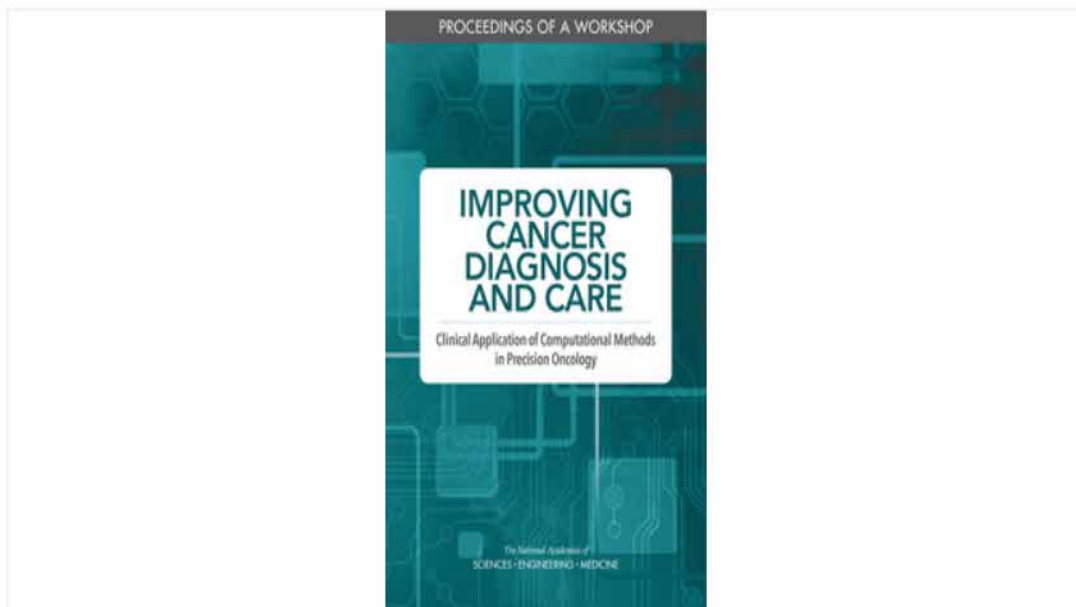
From: National Academies
Sent: 22 Jul 2019 23:38:26 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for July 22

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

[Improving Cancer Diagnosis and Care: Clinical Application of Computational Methods in Precision Oncology: Proceedings of a Workshop](#)



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

Methodologies for Evaluating and Grading Evidence: Considerations for Public Health Emergency Preparedness and Response: Proceedings of a Workshop—in Brief



Download Free PDF



Behavioral and Social Sciences



Health and Medicine

Facilities Staffing Requirements for the Veterans Health Administration— Operations and Maintenance of the Physical Plant and Equipment: Proceedings of a Workshop—in Brief



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Military Families Require More Coordinated Support, Says New Report](#)

[Federal Investments Are Imperative for Continued Success in Highway Innovation, Says New Report](#)

[International Meeting Explores How to Fund Science for Sustainability](#)

[John L. Anderson Takes Helm at NAE](#)

[NAE Receives \\$2 Million to Expand EngineerGirl](#)

See more press releases in the [National Academies Newsroom](#).

NEW & FEATURED RESOURCE

Strengthening the **MILITARY FAMILY READINESS SYSTEM** for a Changing American Society

[LEARN MORE](#)

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 29 Jul 2019 23:44:38 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for July 29

[View this email in your browser](#)

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Behavioral and Social Sciences



Health and Medicine

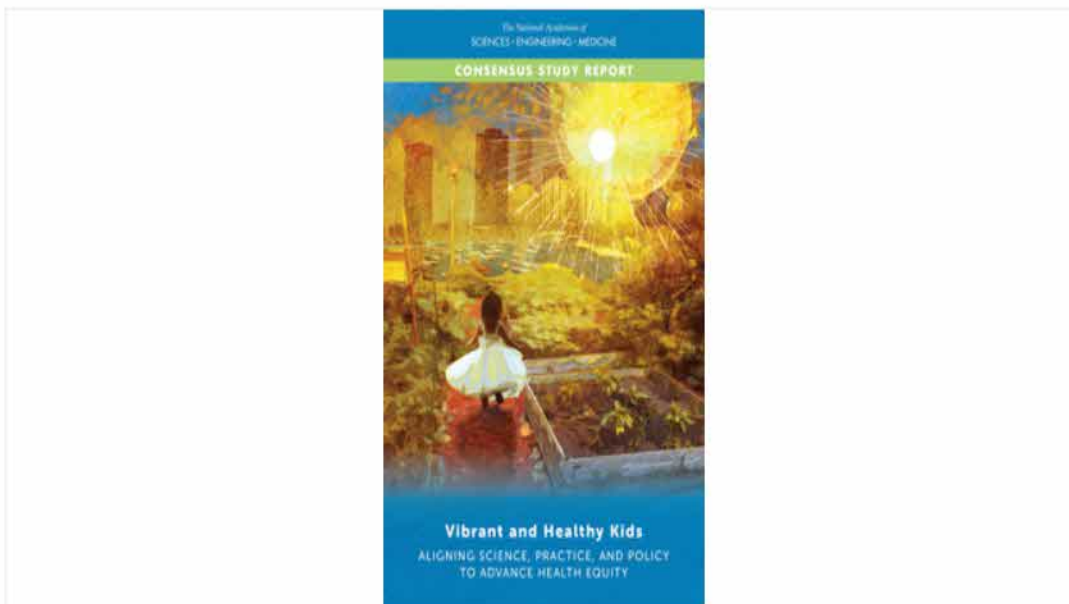
[The Promise of Adolescence: Realizing Opportunity for All Youth](#)



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

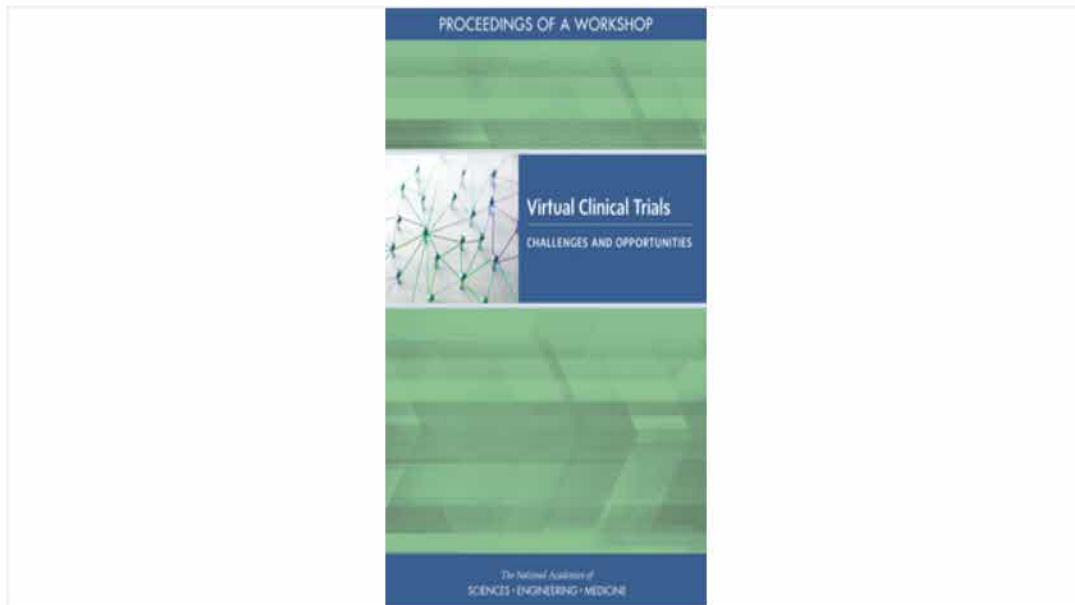
Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

Virtual Clinical Trials: Challenges and Opportunities: Proceedings of a Workshop



Buy This Book



Download Free PDF



Behavioral and Social Sciences

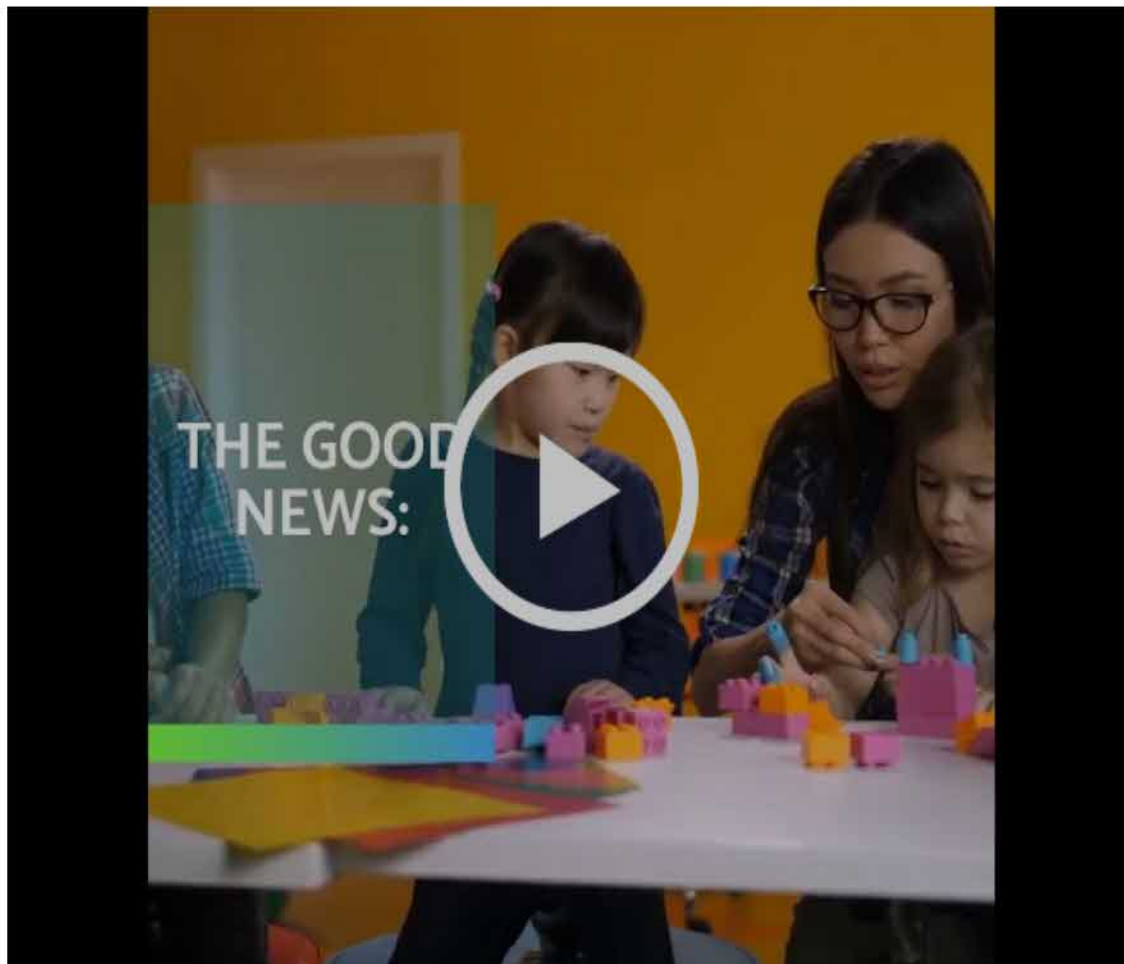
Health and Medicine

Facilities Staffing Requirements for the Veterans Health Administration—
Engineering Administration: Proceedings of a Workshop—in Brief



[Download Free PDF](#)

NEW & FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

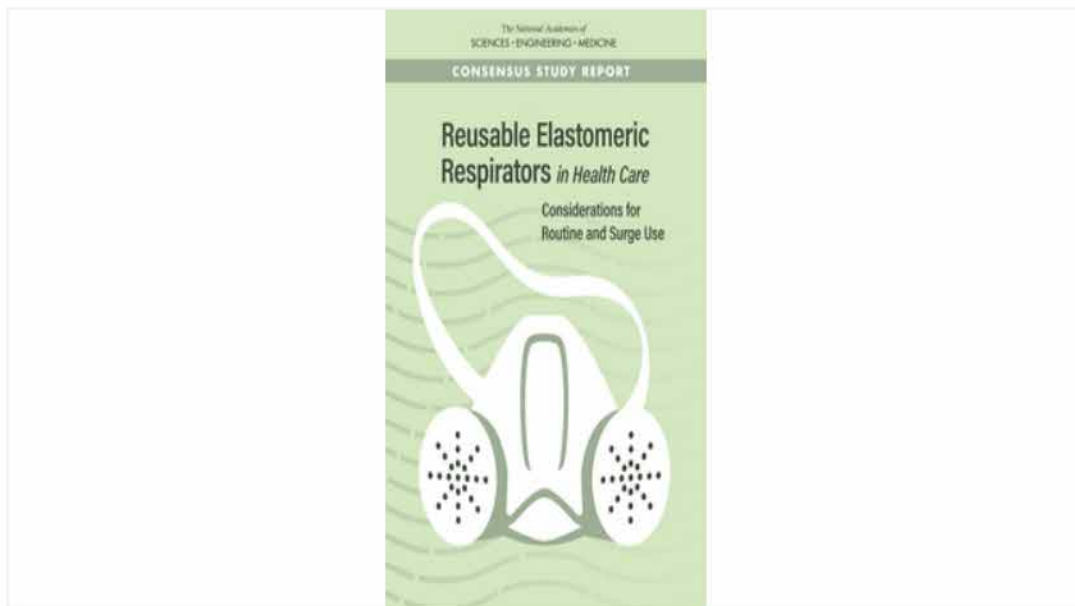
From: National Academies
Sent: 19 Mar 2019 00:33:15 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for March 18

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Reusable Elastomeric Respirators in Health Care: Considerations for Routine and Surge Use



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[NAE Awards Grainger Foundation Frontiers of Engineering Grants](#)

[Joint Statement on Need for International Framework on Heritable Genome Editing](#)

[Russian and U.S. Academies Sign Agreement to Continue Cooperation](#)

[NAS, NAE, and NAM Presidents Highlight Facts on Vaccine Safety in Light of Measles Outbreaks](#)

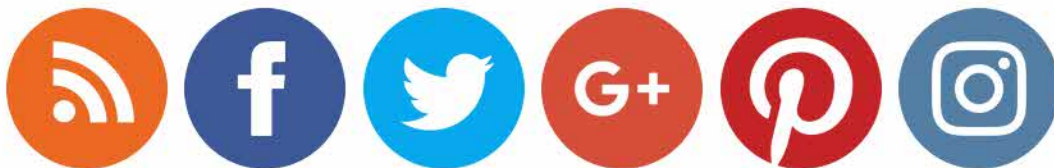
[2018 Cozzarelli Prize Recipients Announced](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*|LIST:DESCRIPTION| You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

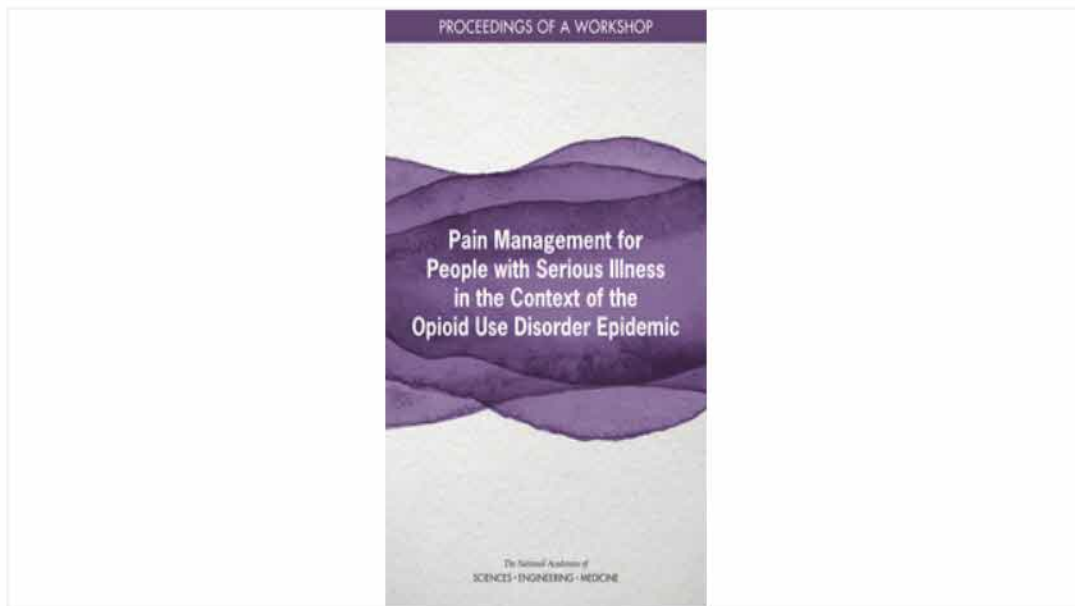
From: National Academies
Sent: 7 May 2019 00:27:51 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for May 6

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Pain Management for People with Serious Illness in the Context of the Opioid Use Disorder Epidemic: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[National Academy of Sciences Elects Members and Foreign Associates; Historic Number of Women Elected to Its Membership](#)

[NAS Honors Award Winners](#)

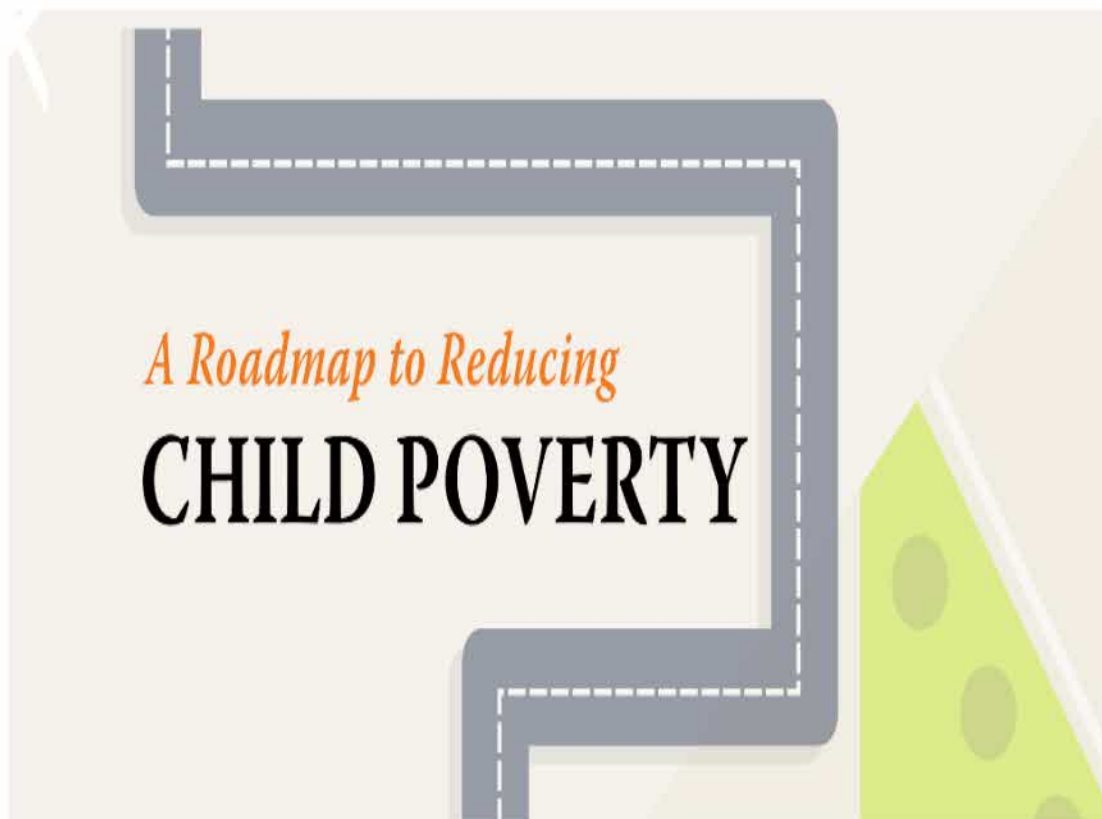
[NAS Annual Meeting Begins](#)

[NAM President Named Honorary Citizen of Singapore](#)

[In Remembrance of David A. Hamburg, Former Institute of Medicine President](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED RESOURCE



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

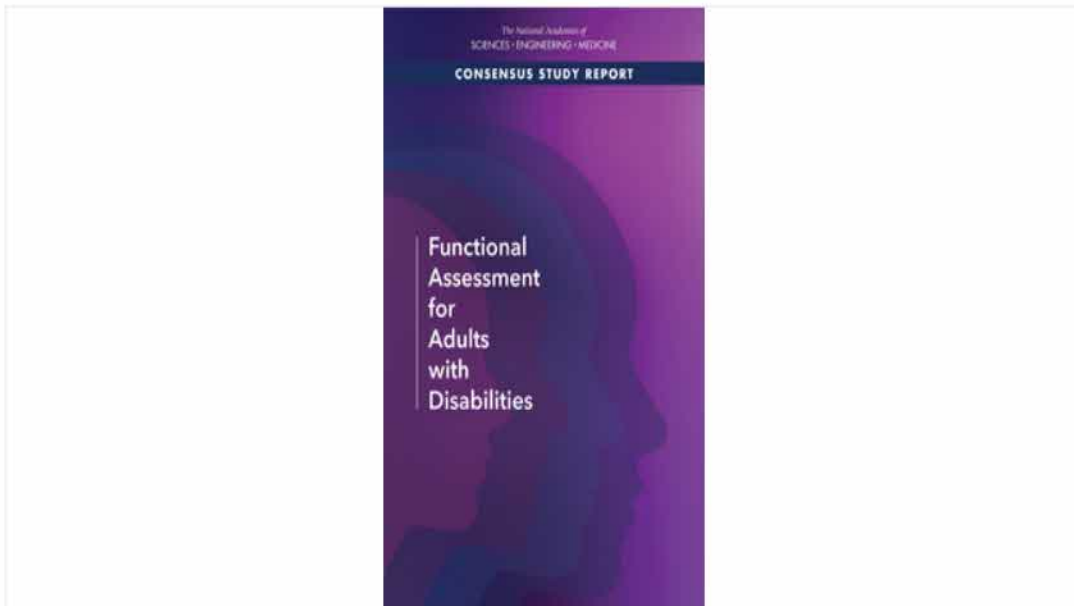
From: National Academies
Sent: 14 May 2019 00:39:41 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for May 13

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

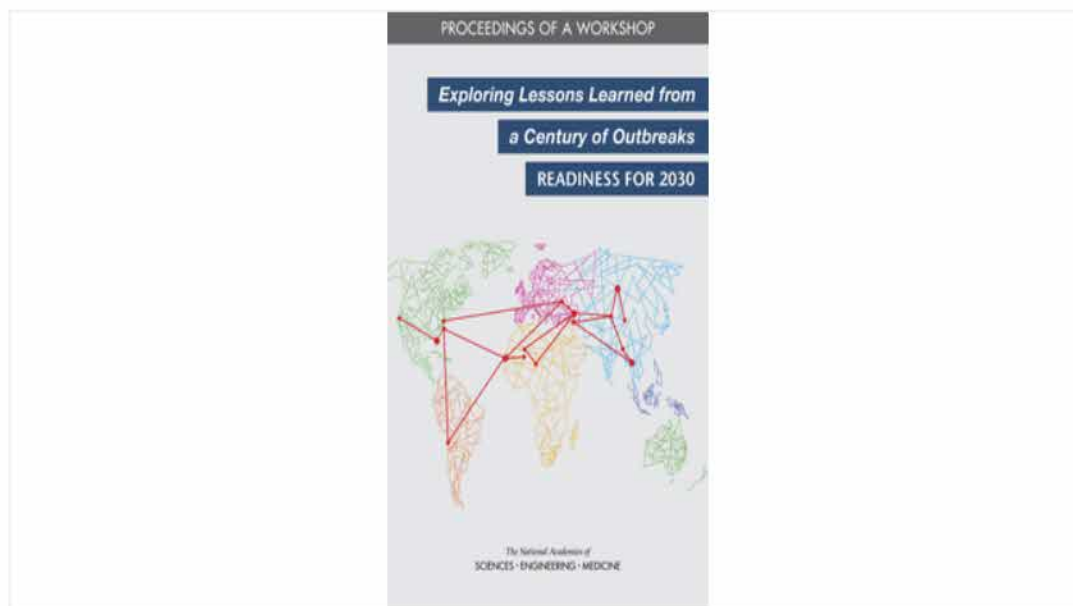
Functional Assessment for Adults with Disabilities



Buy This Book



Download Free PDF



Health and Medicine

Exploring Lessons Learned from a Century of Outbreaks: Readiness for 2030: Proceedings of a Workshop



[Buy This Book](#)



[Download Free PDF](#)

NEWS FROM THE NATIONAL ACADEMIES

[NAE Selects Five Student Teams to Represent U.S. at the 2019 Global Grand Challenges Summit](#)

[New Report Identifies Ways Work-Related Disability Determinations Can Collect More Comprehensive Health Information](#)

[New Report Examines Reproducibility and Replicability in Science, Recommends Ways to Improve Transparency and Rigor in Research](#)

[G-7 Science Academies Issue Topical Statements](#)

[National Academy of Sciences Elects Members and Foreign Associates; Historic Number of Women Elected to Its Membership](#)

See more press releases in the [National Academies Newsroom](#).

NEW & FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 22 May 2019 00:08:07 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for May 21

[View this email in your browser](#)

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Behavioral and Social Sciences



Health and Medicine

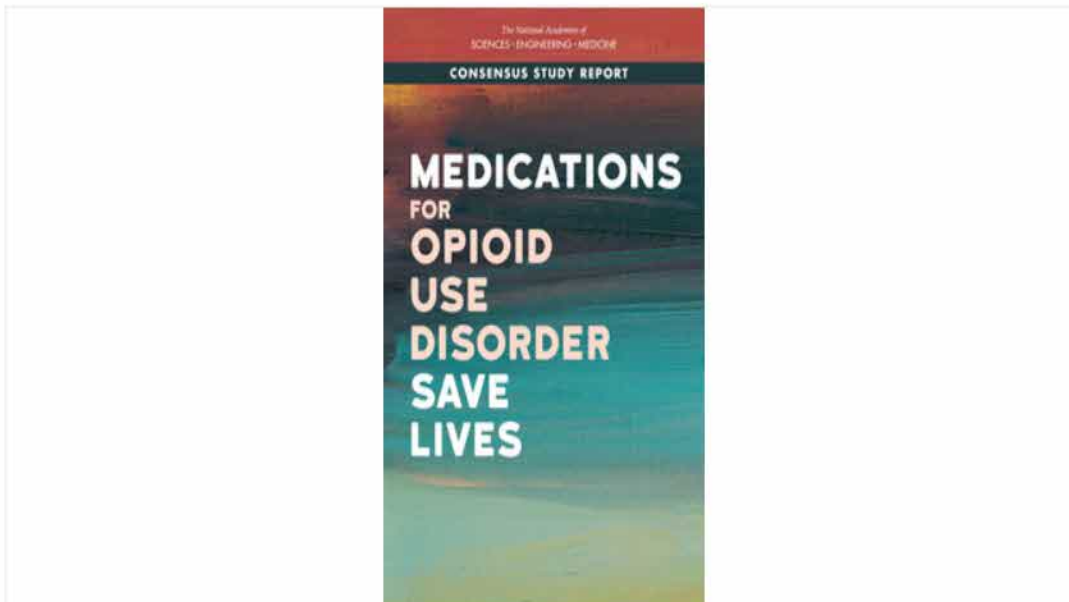
[The Promise of Adolescence: Realizing Opportunity for All Youth](#)



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

[Medications for Opioid Use Disorder Save Lives](#)



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

Artificial Intelligence Applications for Older Adults and People with Disabilities: Balancing Safety and Autonomy: Proceedings of a Workshop—in Brief



[Download Free PDF](#)

NEWS FROM THE NATIONAL ACADEMIES

[NAS and NAM Presidents Give Commencement Addresses](#)

[New Report Calls for Policies and Practices to Promote Positive Adolescent Development and Close the Opportunity Gap](#)

[EngineerGirl Announces 2019 Writing Contest Winners](#)

[Organohalogen Flame Retardants Cannot Be Assessed for Hazards as a Single Class, But Can Be Assessed in](#)

[NAE Elects President, Foreign Secretary, and Four Councillors](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED WEBINAR

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

BOARD ON SCIENCE EDUCATION

English Learners in STEM Subjects: Transforming Classrooms, Schools, and Lives

Sponsor: National Science Foundation
#ELSTEM

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

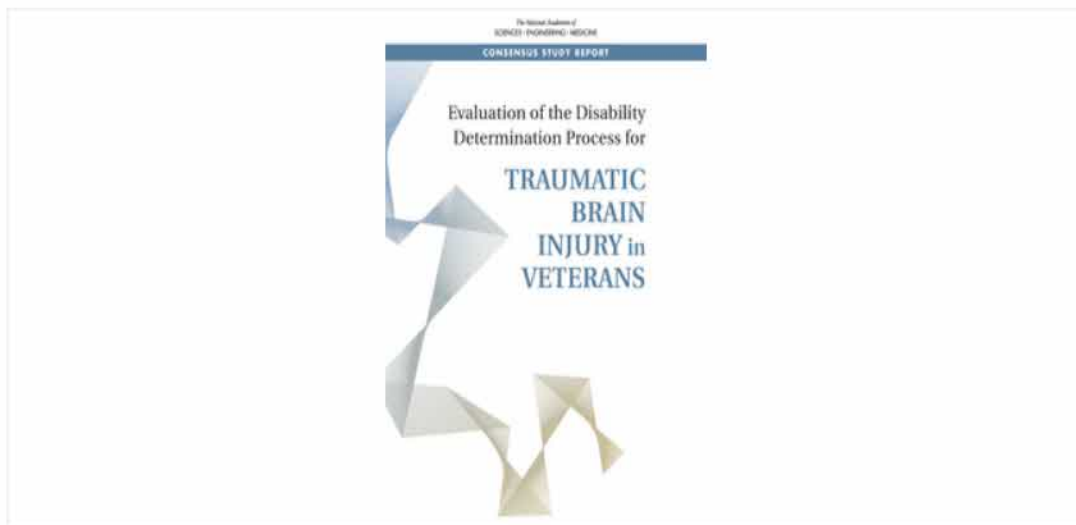
[Add us to your address book](#)

From: National Academies
Sent: 29 May 2019 00:04:22 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for May 28

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE
NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

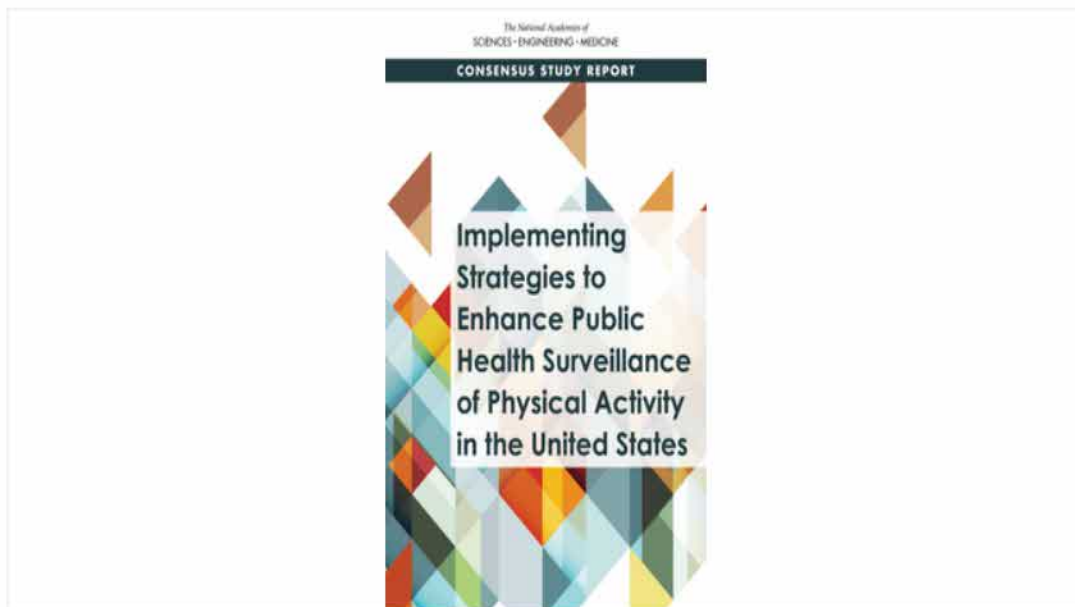
Evaluation of the Disability Determination Process for Traumatic Brain Injury in Veterans



Buy This Book



Download Free PDF



Health and Medicine

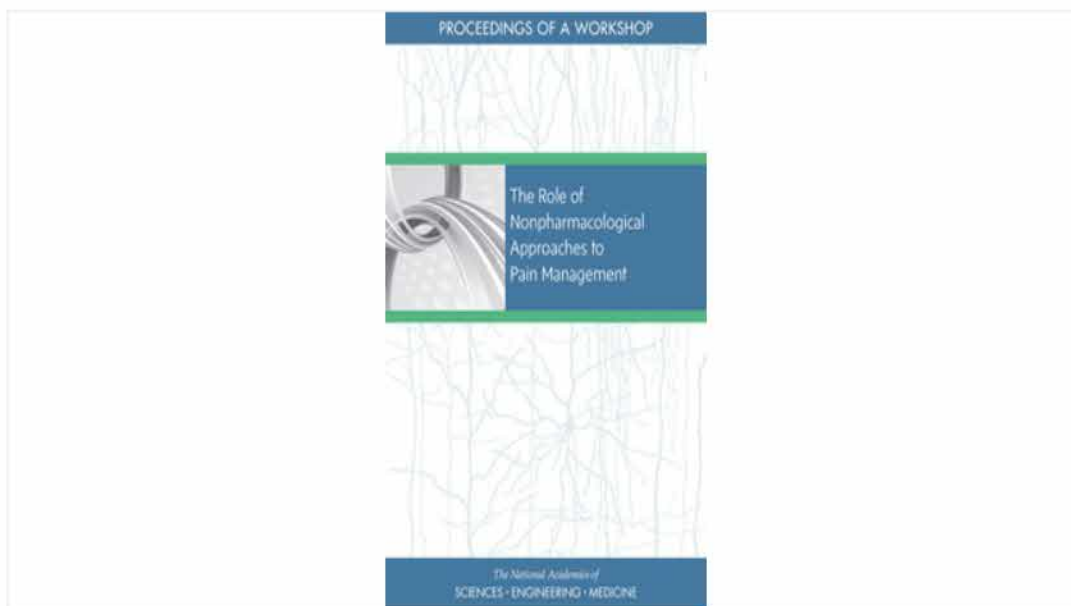
Implementing Strategies to Enhance Public Health Surveillance of Physical Activity in the United States



Buy This Book



Download Free PDF



Health and Medicine

The Role of Nonpharmacological Approaches to Pain Management: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[International Commission Launched on Heritable Human Genome Editing](#)

[NAS and NAM Presidents Give Commencement Addresses](#)

[New Report Calls for Policies and Practices to Promote Positive Adolescent Development and Close the Opportunity Gap](#)

[EngineerGirl Announces 2019 Writing Contest Winners](#)

[Organohalogen Flame Retardants Cannot Be Assessed for Hazards as a Single Class, But Can Be Assessed in](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

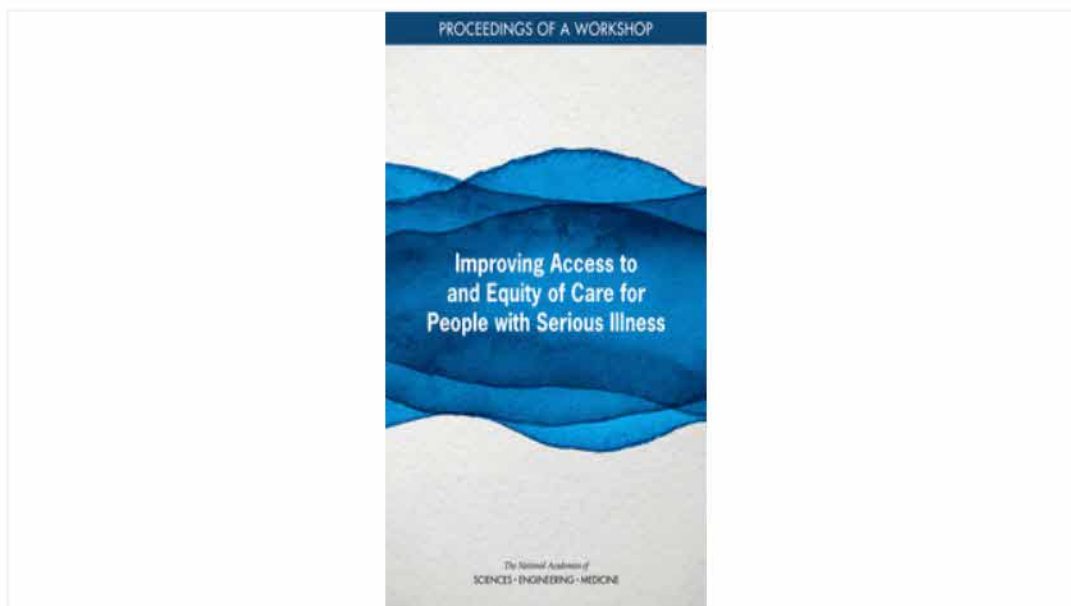
From: National Academies
Sent: 13 Nov 2019 00:51:39 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for November 12

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Improving Access to and Equity of Care for People with Serious Illness: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Mentoring Could Improve Diversity and Inclusion in STEMM But Needs More Attention in Colleges and Universities](#)

[Juvenile Justice - Moving From Punishment to Hope and Healing](#)

[Reversing Clinician Burnout and Improving Professional Well-Being](#)

[PFAS: Controlling, Preventing, and Understanding Exposure](#)

[Team From University of Maryland, Baltimore, Wins Grand Prize in 2019 D.C. Public Health Case Challenge](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

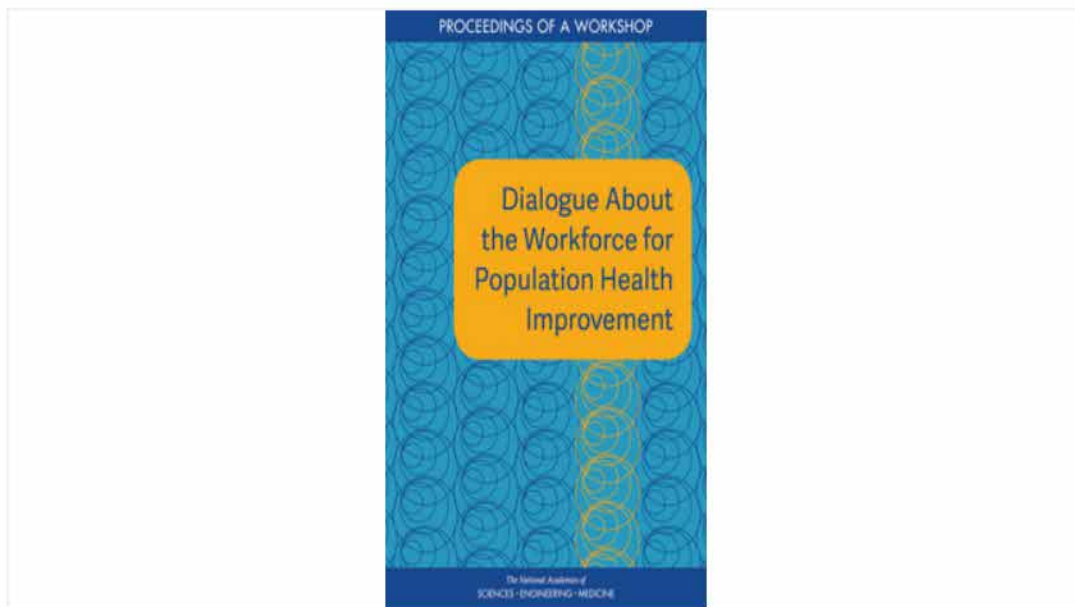
From: National Academies
Sent: 19 Nov 2019 00:52:27 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for November 18

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

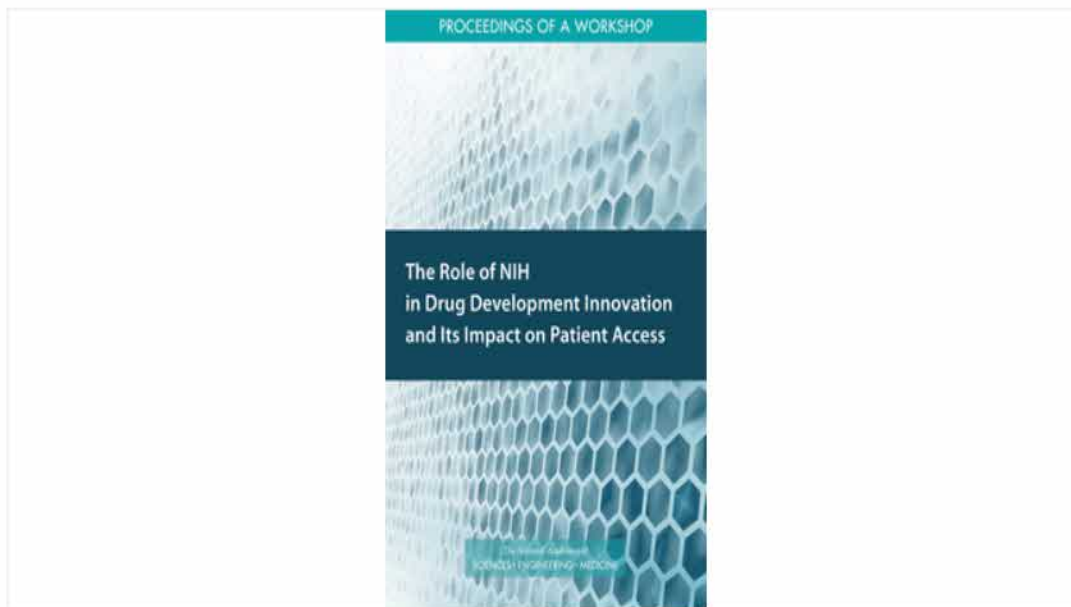
Dialogue About the Workforce for Population Health Improvement:
Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

The Role of NIH in Drug Development Innovation and Its Impact on Patient Access: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[At-Home DNA Tests Still Need the 'Human Touch,' Say Panelists at Genomics Roundtable Workshop](#)

[Committee Member Testifies Before Congress on Reproducibility and Replicability in Science](#)

[Mentoring Could Improve Diversity and Inclusion in STEMM But Needs More Attention in Colleges and Universities](#)

[Juvenile Justice - Moving From Punishment to Hope and Healing](#)

[Reversing Clinician Burnout and Improving Professional Well-Being](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED RESOURCE

THE FUTURE OF NURSING

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

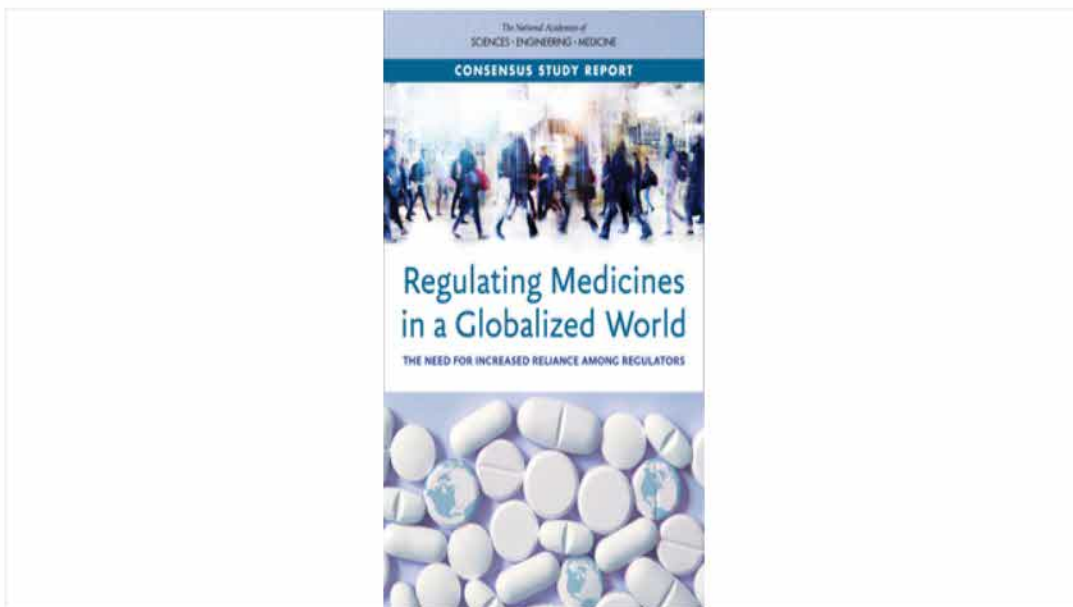
From: National Academies
Sent: 26 Nov 2019 00:55:02 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for November 25

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Regulating Medicines in a Globalized World: The Need for Increased Reliance Among Regulators



Buy This Book



Download Free PDF



Behavioral and Social Sciences



Health and Medicine

Interpersonal Violence Syndemics and Co-Occurring Epidemics: Preventing Violence in the Context of Opioid Misuse, Suicide, Social Disparities, and HIV: Proceedings of a Workshop—in Brief



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Regulating Medicines in a Globalized World](#)

[At-Home DNA Tests Still Need the 'Human Touch,' Say Panelists at Genomics Roundtable Workshop](#)

[Committee Member Testifies Before Congress on Reproducibility and Replicability in Science](#)

[Mentoring Could Improve Diversity and Inclusion in STEMM But Needs More Attention in Colleges and Universities](#)

[Juvenile Justice - Moving From Punishment to Hope and Healing](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

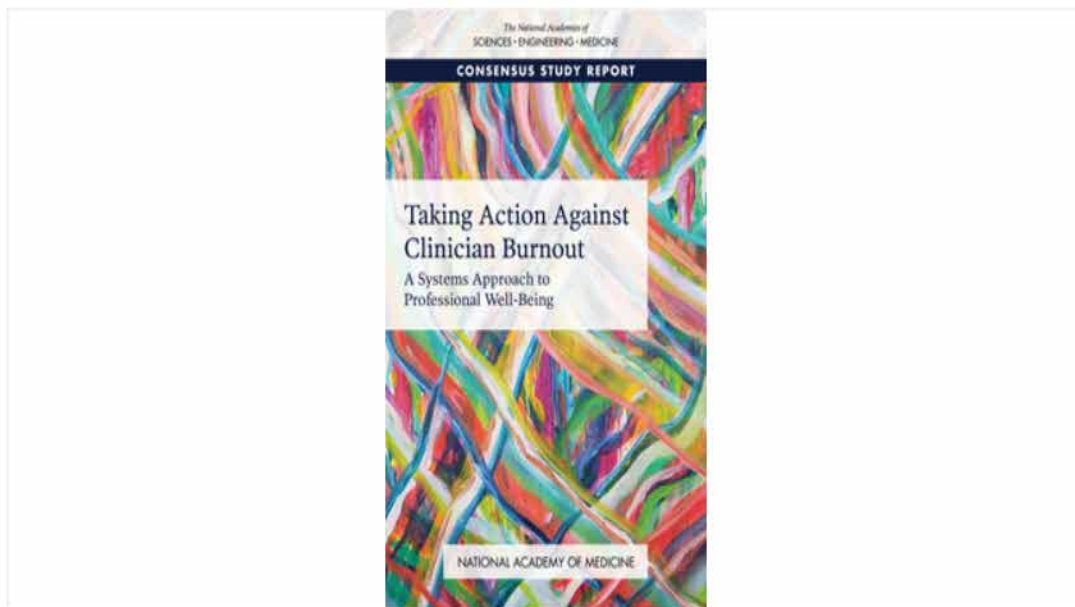
From: National Academies
Sent: 28 Oct 2019 23:52:04 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for October 28

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

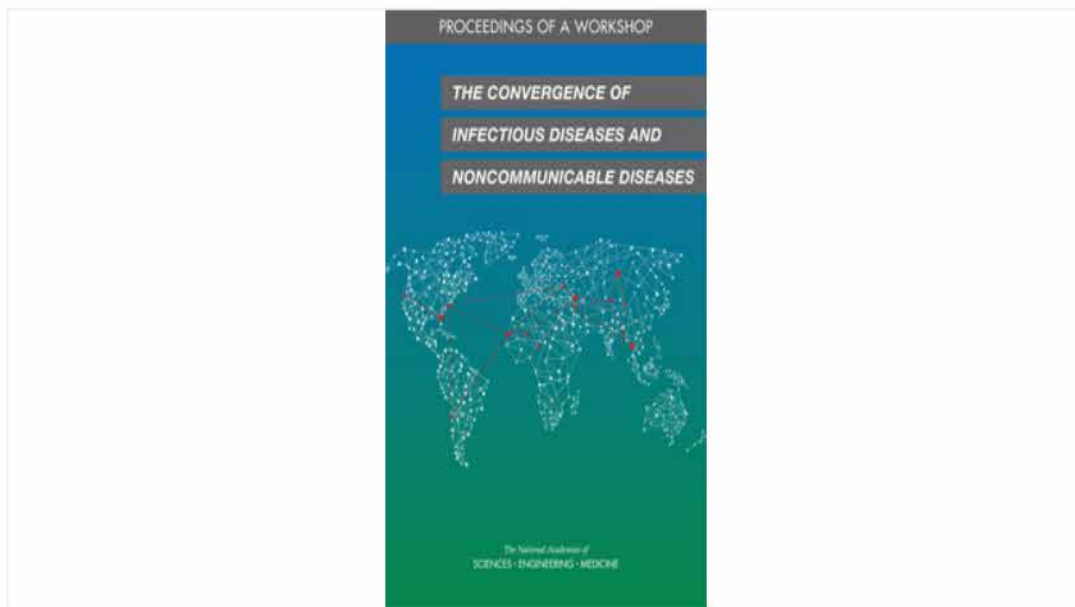
Taking Action Against Clinician Burnout: A Systems Approach to Professional Well-Being



Buy This Book



Download Free PDF



Health and Medicine

The Convergence of Infectious Diseases and Noncommunicable Diseases: Proceedings of a Workshop



Buy This Book



Download Free PDF

FEATURED NEWS

NEWS

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



PFAS: Controlling, Preventing, and Understanding Exposure

By [Megan Lowry](#) | Oct. 22, 2019

NEWS FROM THE NATIONAL ACADEMIES

[Reversing Clinician Burnout and Improving Professional Well-Being](#)

[PFAS: Controlling, Preventing, and Understanding Exposure](#)

Team From University of Maryland, Baltimore, Wins Grand Prize in 2019
D.C. Public Health Case Challenge

NAM Honors Three Members for Outstanding Service

National Academy of Medicine Elects 100 New Members

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 3 Sep 2019 23:12:44 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for September 3

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



 Health and Medicine

 Computers and Information Technology

Key Operational Characteristics and Functionalities of a State-of-the-Art Patient Scheduling System: Proceedings of a Workshop—in Brief

 [Download Free PDF](#)

NEWS FROM THE NATIONAL ACADEMIES

[NAM Town Halls Explore How New Roles, New Tech, and Social Needs Are Transforming the Nursing Field](#)

[International Commission on Heritable Genome Editing Holds First Public Meeting](#)

[Review of Report on Supplemental Low-Activity Waste at Hanford Nuclear Site Now Available for Public Comment](#)

[2019 Communication Award Winners Announced](#)

[National Academies Forum Examines Role of Tech and Social Innovation in the Food System](#)

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

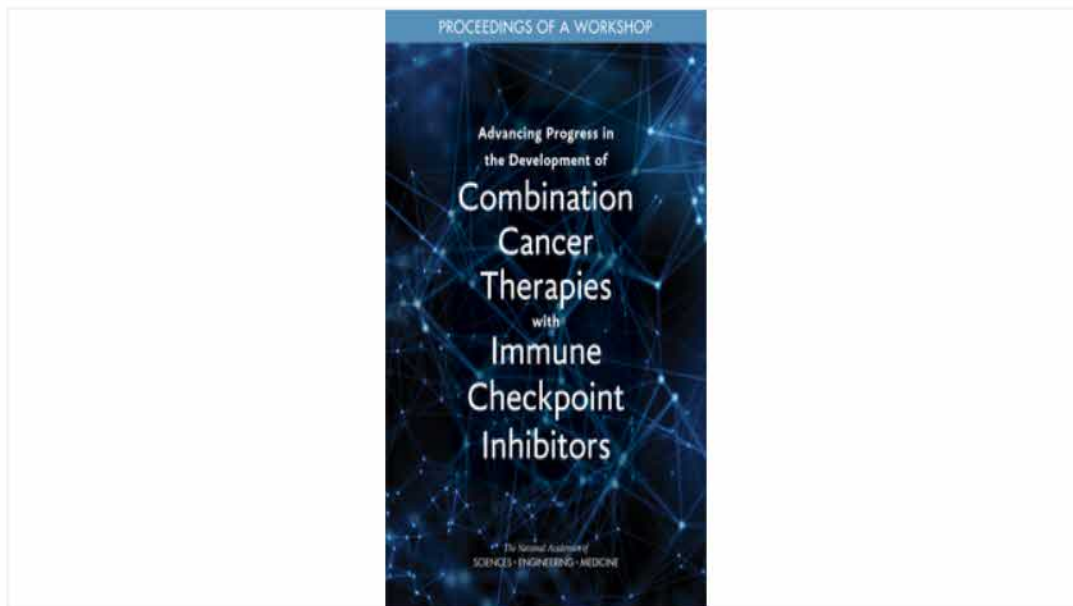
From: National Academies
Sent: 9 Sep 2019 23:44:40 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for September 9

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Advancing Progress in the Development of Combination Cancer Therapies with Immune Checkpoint Inhibitors: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[NAM President Delivers Lecture at Nobel Conference](#)

[EngineerGirl Announces 2019 Class of Student Ambassadors](#)

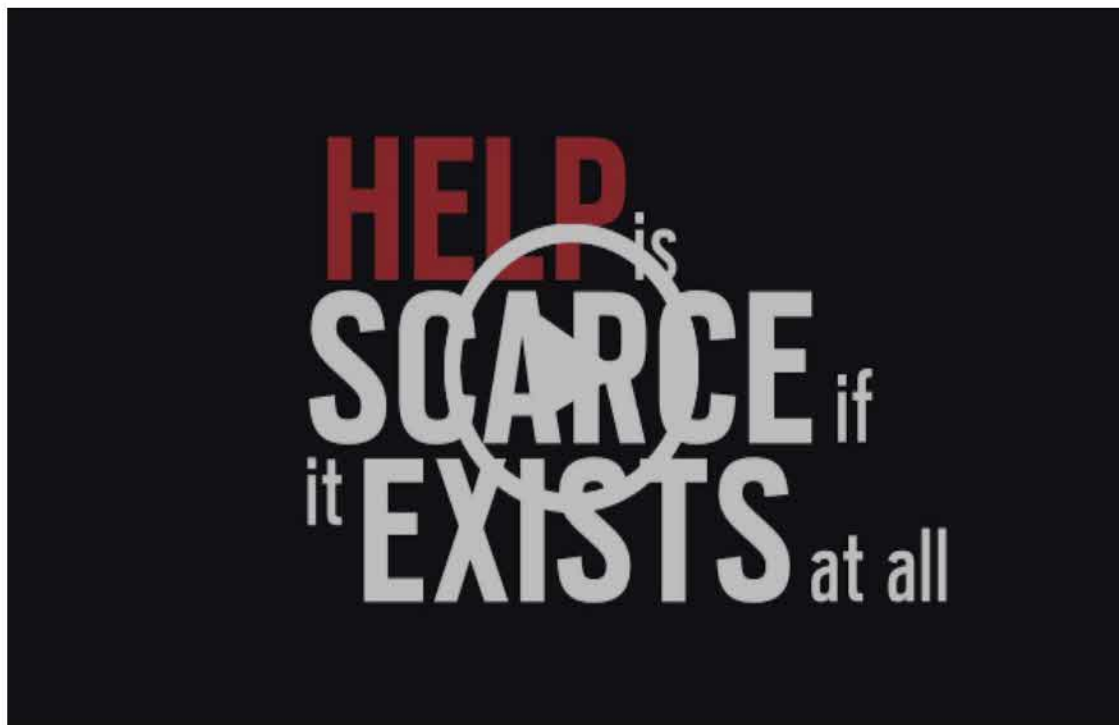
[Reproducibility and Replicability in Research](#)

[NAM Town Halls Explore How New Roles, New Tech, and Social Needs Are Transforming the Nursing Field](#)

[International Commission on Heritable Genome Editing Holds First Public Meeting](#)

See more press releases in the [National Academies Newsroom](#).

FEATURED VIDEO



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

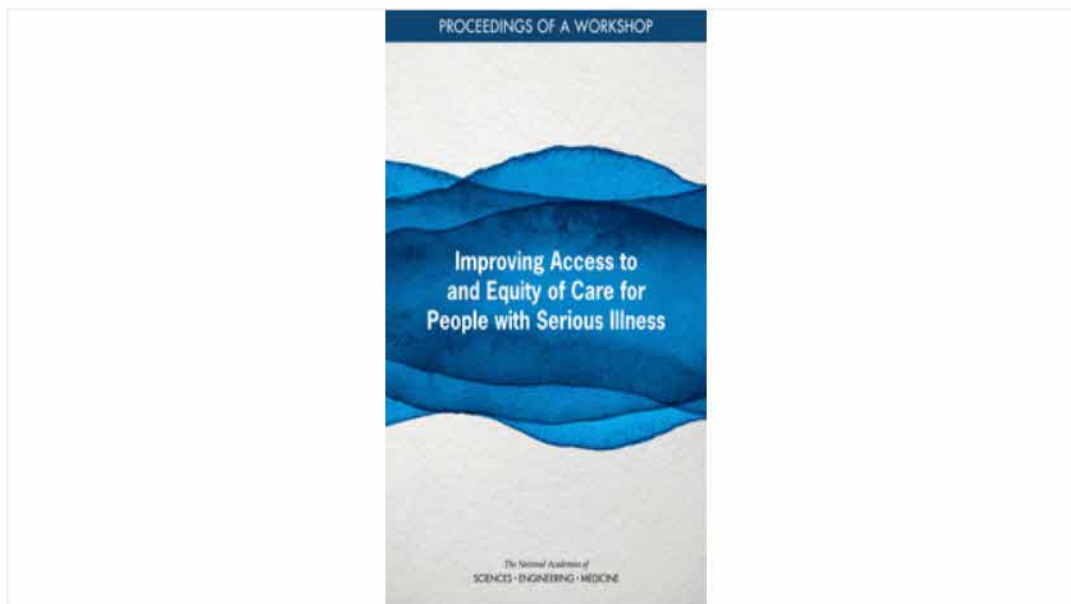
From: National Academies
Sent: 16 Sep 2019 23:33:58 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for September 16

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

Improving Access to and Equity of Care for People with Serious Illness: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEWS FROM THE NATIONAL ACADEMIES

[Exploring the Complications of Counting Casualties After Natural Disasters](#)

[U.S. Should Create National Agenda to Improve Child and Youth Mental, Emotional, and Behavioral Health, Says Report](#)

[Members Receive Prestigious Lasker Award](#)

[NAM President Delivers Lecture at Nobel Conference](#)

[EngineerGirl Announces 2019 Class of Student Ambassadors](#)

See more press releases in the [National Academies Newsroom](#).

NEW & FEATURED RESOURCE



BASED ON SCIENCE

Answering everyday questions about science and human health

Is global warming
contributing to extreme
weather events?

LEARN MORE



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW

Washington, DC 20001

[Add us to your address book](#)

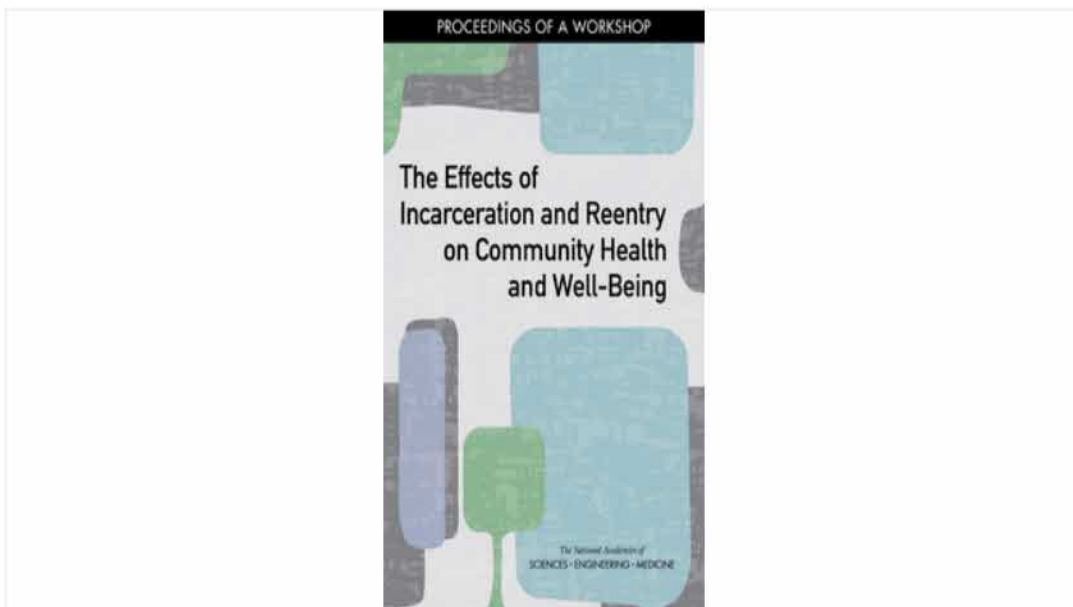
From: National Academies
Sent: 23 Sep 2019 23:41:32 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for September 23

[View this email in your browser](#)

The National Academies of SCIENCES • ENGINEERING • MEDICINE

NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine



Behavioral and Social Sciences

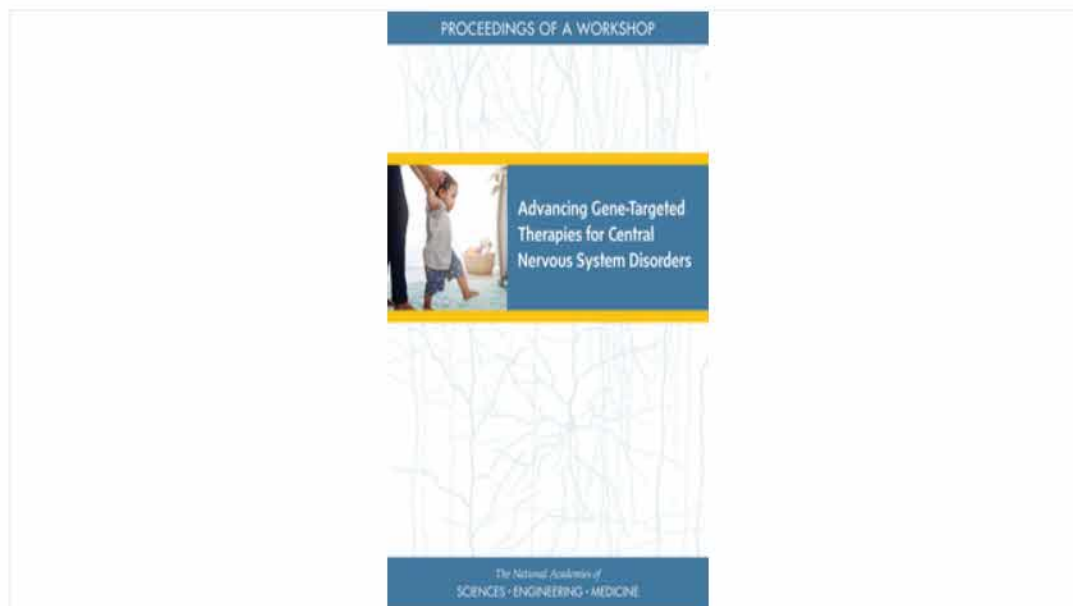
The Effects of Incarceration and Reentry on Community Health and Well-Being: Proceedings of a Workshop



[Buy This Book](#)



[Download Free PDF](#)



Health and Medicine

Advancing Gene-Targeted Therapies for Central Nervous System Disorders: Proceedings of a Workshop



[Buy This Book](#)



[Download Free PDF](#)

NEWS FROM THE NATIONAL ACADEMIES

[National Academy of Medicine Announces Recipients of Prestigious Awards for Outstanding Achievements in Mental Health and Personal Health Care Fields](#)

[Expert Group Including NAM President Outlines Steps to Combat Pandemics](#)

[Exploring the Complications of Counting Casualties After Natural Disasters](#)

[U.S. Should Create National Agenda to Improve Child and Youth Mental, Emotional, and Behavioral Health, Says Report](#)

Members Receive Prestigious Lasker Award

See more press releases in the [National Academies Newsroom](#).

FEATURED RESOURCE



CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

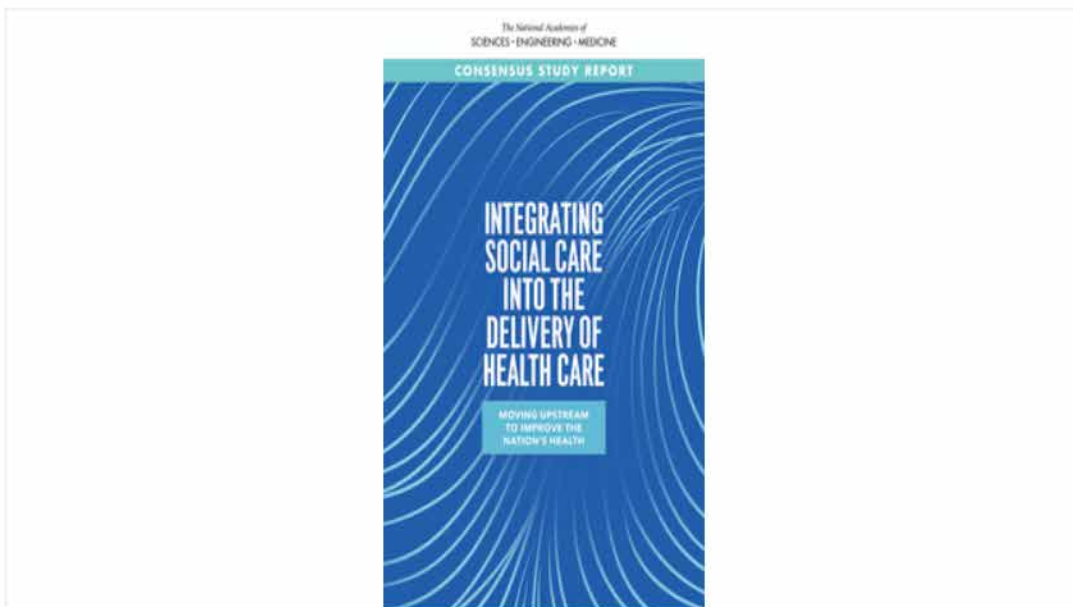
[Add us to your address book](#)

From: National Academies
Sent: 30 Sep 2019 23:43:00 +0000
To: Bunnell, Rebecca (CDC/DDPHSS/OS)
Subject: Read the New Publications and News for September 30

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE
NEW PUBLICATIONS

The latest publications in [your chosen topic preferences](#).



Health and Medicine

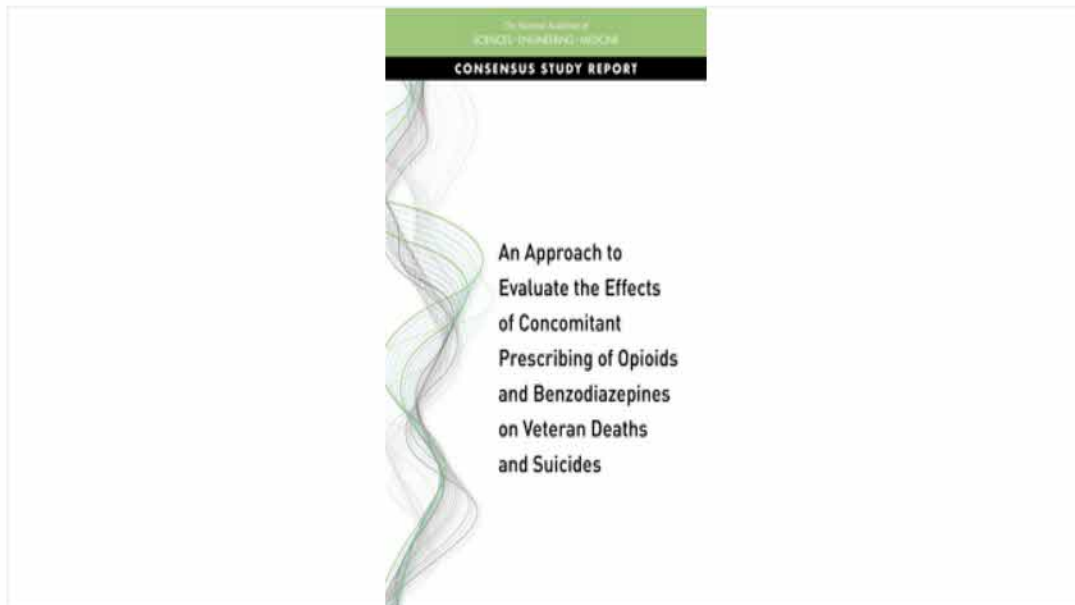
Integrating Social Care into the Delivery of Health Care: Moving Upstream to Improve the Nation's Health



Buy This Book



Download Free PDF



Health and Medicine

An Approach to Evaluate the Effects of Concomitant Prescribing of Opioids and Benzodiazepines on Veteran Deaths and Suicides



Buy This Book



Download Free PDF

PROCEEDINGS OF A WORKSHOP

DEVELOPING AND SUSTAINING AN EFFECTIVE AND RESILIENT ONCOLOGY CAREFORCE

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



Health and Medicine

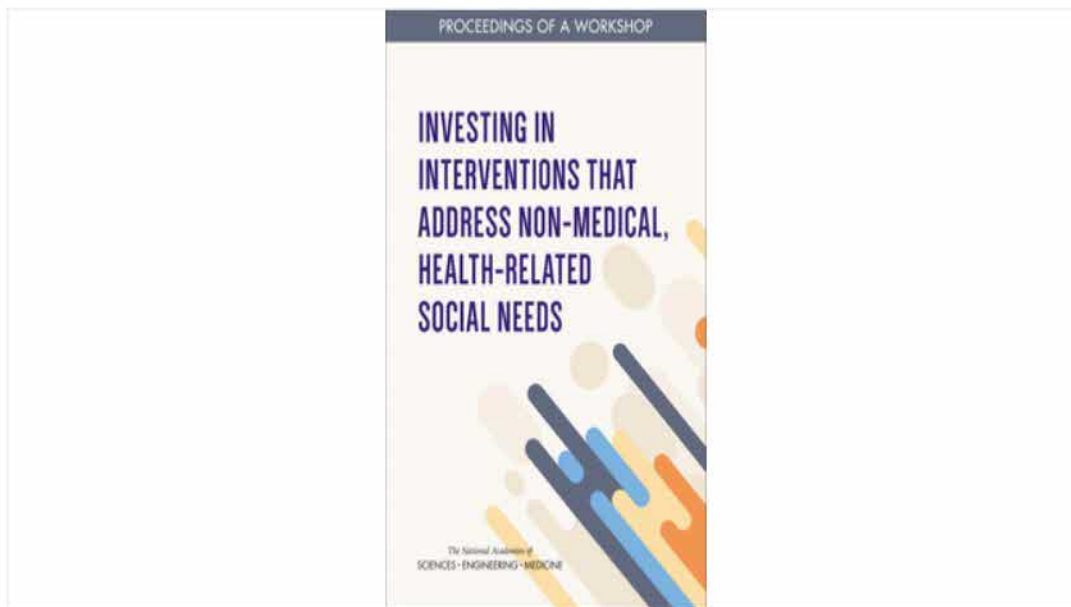
Developing and Sustaining an Effective and Resilient Oncology Careforce: Proceedings of a Workshop



Buy This Book



Download Free PDF



Health and Medicine

Investing in Interventions That Address Non-Medical, Health-Related Social Needs: Proceedings of a Workshop



Buy This Book



Download Free PDF

NEW & FEATURED RESOURCE



**We all have questions.
Let science help answer them.**

Take a quiz. Watch a video. Share your knowledge. Join the conversation.



NEWS FROM THE NATIONAL ACADEMIES

Human Rights in Age of Social Media, Big Data, and AI

Summer Offers Opportunities for Social and Academic Growth, But Can Also Put Disadvantaged Children at Risk

Making Social Needs a Standard Part of Health Care Delivery

NAS President Co-Authors PNAS Perspective

National Academy of Medicine Announces Recipients of Prestigious Awards for Outstanding Achievements in Mental Health and Personal Health Care Fields

See more press releases in the [National Academies Newsroom](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

*[LIST:DESCRIPTION] You're receiving this notification because you signed up for information on new reports from the National Academies Press on these science topics:

• Health and Medicine •

[Update My Preferences](#)

[Unsubscribe from all NASEM publication emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: NASEM Health and Medicine
Sent: 7 Jun 2019 20:03:08 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Register Now - June 19 and July 31 Public Webinars of the Committee on Temporomandibular Disorders

[View this email in your browser](#)



Public Webinars

Committee on Temporomandibular Disorders (TMD): From Research Discoveries to Clinical Treatment

The *Committee on Temporomandibular Disorders (TMD): From Research Discoveries to Clinical Treatment* is hosting two public web conferences on Wednesday, June 19 and Wednesday, July 31.

Webinar 1: Patient Care – Dental providers will share their experiences caring for people with TMD.

When: June 19, 11:00 AM-1:00 PM ET

Participation: Zoom web conference [Register here.](#)

Webinar 2: Professional Education – Panelists will provide insights on the nature and extent of TMD training and opportunities for interprofessional education.

When: July 31, 3:00 PM-5:00 PM ET

Participation: Zoom web conference [Register here.](#)

Participation is remote via Zoom only.

Please note that these are public information-gathering sessions of the committee. Members of the public are welcome to join the web conference but Q&A/discussion will be limited to the committee. Public comments can be sent to the committee by emailing TMDstudy@nas.edu.

The committee's roster and the Statement of Task can be found on the study's [website](#).

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

TEMPOROMANDIBULAR DISORDERS:

FROM RESEARCH
DISCOVERIES TO
CLINICAL TREATMENT

**PUBLIC
WEBINARS**

JUNE 19, 2019 & JULY 31, 2019

Want more emails like this? [Sign up](#) for all of our emails on this topic.



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 17 Jun 2019 14:45:27 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Register now for the upcoming workshop on Enhancing Private Sector Preparedness for 21st Century Health Threats

[View this email in your browser](#)



Register Now!

**Enhancing Private Sector Preparedness for 21st
Century Health Threats – A Workshop**

July 19, 2019

The National Academies will host a one-day workshop focused on opportunities to enhance private-sector readiness for 21st-century health threats. The workshop will bring together public- and private-sector partners to discuss approaches to aligning health system incentives with the American public's need for a healthcare system that is optimally prepared for day-to-day duties and responses to public health emergencies. Topics to be addressed include challenges around and opportunities for public-private collaboration, levers to motivate private sector investment in preparedness, and information/data elements that will improve situational awareness of system capabilities.


To learn more about this workshop, please go [here](#).

When: July 19, 2019: 8:00 AM - 5:00 PM

Location: National Academy of Sciences Building (NAS Building) • 2101 Constitution Avenue, NW, Washington, DC 20418

[Register Here](#)

Help Spread the Word!

 [Share on Twitter:](#) Register now to attend the workshop on Enhancing Private Sector Preparedness for 21st Century Health Threats on 7/19/19. <http://bit.ly/31vhWHE>



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 17 Jun 2019 19:15:23 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Register Now for the Upcoming Workshop on the Role of NIH in Drug Development Innovation

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

The Role of NIH in Drug Development Innovation and
its Impact on Patient Access: A workshop

Register Now!

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

The Role of NIH in Drug Development Innovation and its Impact on Patient Access

A Workshop

July 24 - 25, 2019

An ad hoc committee will plan and host a 1.5-day public workshop to facilitate discussion focused on the translation of federal investments in biomedical science to innovation in drug development and how the public benefits from that investment in terms of drug pricing and access. The meeting will feature invited presentations and panel discussions on topics that may include:

- how federal funding for biomedical research, particularly via NIH, has contributed to new drug development, both directly and indirectly;
- the pricing of drugs that have benefited from federal investments in biomedical science;
- the role of technology and patent transfer to and from entrepreneurial organizations associated with NIH-funded research;
- potential ways to better track, quantify, and document NIH contributions to innovation in drug development; and
- potential strategies and policies to facilitate the translation of federally-funded biomedical research into innovations in drug development and to help ensure that the public has affordable access to those innovative medicines.

The planning committee will develop the agenda, select and invite subject matter experts and discussants, and moderate the discussions. A proceedings of the event will be prepared in accordance with institutional guidelines.

[Register here](#)

To learn more about the workshop, visit nationalacademies.org/druginnovation.

Want more emails like this? [Sign up](#) for all of our emails on this topic.



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 6 Sep 2019 18:01:06 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Register Now! Models for Population Health Improvement by Health Care Systems and Partners: Tensions and Promise on the Path Upstream: A Workshop

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Models for Population Health Improvement by Health Care Systems and Partners: Tensions and Promise on the Path Upstream

A Workshop

**Washington, D.C.
September 19, 2019**

 **#PopHealthRT**



On September 19, 2019, the [Roundtable on Population Health Improvement](#) will hold a workshop titled **Models for Population Health Improvement by Health Care Systems and Partners: Tensions and Promise on the Path Upstream**. Agenda and registration are available [here](#). The free, open to the public workshop will be held at the Keck Center of the National Academies, 500 5th Street NW, Washington D.C. and will also be webcast live for audiences who are not local. Webcast will be available for viewing [here](#).

Register Now!



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 5 Sep 2019 20:45:36 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Register now! The Consequences of Juvenile Justice System Involvement: A Workshop

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Register Now!
**The Consequences of Juvenile Justice
System Involvement on the Health and Well-
Being of Adolescents, Families, and
Communities of Color: A Workshop**



On September 26, 2019, the Roundtable on Health Equity will convene [a workshop](#) on the effects of involvement with the juvenile justice system on the health and well-being of adolescents, families, and communities of color. To learn more about the workshop, click [here](#) to view the agenda.

Click the link below to register for in-person or webcast.

[Register now](#)



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences. All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 9 Sep 2019 18:00:32 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Register now: 9/18 – Health and Economic Prosperity: An event for Learning and Action, co-hosted by two business collaboratives

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Register Now!
Health and Economic Prosperity:
An Event for Learning and Action
September 18th, 2019



Health and Economic Prosperity: An Event for Learning and Action, co-hosted by two business collaboratives

What: Creating Health and Economic Prosperity for Vibrant Communities: An Event for Learning and Action, convened by the [Action Collaborative on Business Engagement in Building Healthy Communities](#) and the [Business Engagement in Obesity Solutions Innovation Collaborative](#)

When: September 18, 2019 · 8:30am to 3:30pm

Where: NAS Building, 2101 Constitution Avenue, NW, Washington DC (or web meeting)

[Register to attend in-person or on the web](#)

Questions? Contact clynx@nas.edu or abaciu@nas.edu.

***Any activities and products associated with these collaboratives do not necessarily represent the views of any one organization, the Roundtables, or the National Academies, and have not been subjected to the review procedures of, nor are they reports, products, or activities of the National Academies.*

Register Here



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW

Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NAS Emerging Science for Environmental Health Decisions
Sent: 5 Feb 2020 20:01:09 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Register Now: Integrating the Science of Aging and Environmental Health Research Workshop

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

EARTH AND LIFE STUDIES

Emerging Science for Environmental Health Decisions

Register Now:

Integrating the Science of Aging and Environmental Health Research



When:

Tuesday, April 7 and Wednesday, April 8, 2020

Where:

National Academies of Sciences, Engineering, and Medicine

Keck Center, Room 100

500 Fifth Street NW

Washington, D.C. 20001

Note: A webcast will be available

Register Now!

With the global population living longer—the number of people worldwide aged 80 years or over is projected to triple by 2050—understanding the factors that influence healthy aging throughout our lifetimes is critical for protecting public health.

Scientists have long known that environment plays an important role in aging: for example, research has shown that human exposure to environmental pollutants can exacerbate age-related diseases, such as Alzheimer's and Parkinson's. However, many questions remain about the mechanisms through which environmental stressors influence aging, longevity, and the etiology of age-related disease. How do environmental pollutants, such as airborne particulate matter and pesticides, alter the biological processes that underlie human aging and longevity?

This workshop will explore emerging research at the intersection between aging, longevity, environmental exposures, and human health. Workshop speakers will detail emerging research findings through two lenses:

1. How environmental exposures influence or mediate aging; and
2. How aging influences environmentally-mediated health outcomes.

Participants will also explore research opportunities and needs, enabling technologies and analytical tools, and mechanisms to anticipate and use new data to inform decisions about personal health choices, public health and medical practice, or environmental regulation.

This event is public and free to attend. More information, including the agenda, will be available on [our website](#) in the coming weeks. Join the conversation on Twitter with [#ESEHDWorkshop](#). This event is made possible by the generous support of the National Institute of Environmental Health Sciences (NIEHS).

 **Forward This Email**



The National Academies' Standing Committee on Use of Emerging Science for Environmental Health Decisions (ESEHD) examines and discusses issues on the use of new science, tools, and research methodologies for environmental health decisions. Workshops convened by the ESEHD committee provide a public venue for communication among government, industry, environmental groups, and the academic community about scientific discoveries and advances in methods and approaches that can be used in the identification, quantification, and control of environmental impacts on human health. The ESEHD committee is organized under the auspices of [Board on Life Sciences](#) and the [Board on Environmental Studies and Toxicology](#) of the [National Academies of Sciences, Engineering, and Medicine](#), and sponsored by the [National Institute of Environmental Health Sciences](#).

You are receiving this email because you subscribed for updates from the Emerging Science for Environmental Health Decisions, or a board of the Division on Earth and Life Studies (or because it was forwarded to you by a colleague). [Manage your subscription preferences here.](#)

Copyright © 2020 National Academy of Sciences, All rights reserved.

You are receiving this email because you opted in to emails from a unit or project in the Division on Earth & Life Studies.

Our mailing address is:

National Academy of Sciences
500 Fifth Street NW
Washington, DC 20001

[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)



From: NAS Emerging Science for Environmental Health Decisions
Sent: 5 Feb 2020 20:01:07 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Register Now: Integrating the Science of Aging and Environmental Health Research Workshop

[View this email in your browser](#)

The National
Academies of

SCIENCES
ENGINEERING
MEDICINE

EARTH AND LIFE STUDIES

Emerging Science for Environmental Health Decisions

Register Now:

Integrating the Science of Aging and Environmental Health Research



When:

Tuesday, April 7 and Wednesday, April 8, 2020

Where:

National Academies of Sciences, Engineering, and Medicine

Keck Center, Room 100

500 Fifth Street NW

Washington, D.C. 20001

Note: A webcast will be available

Register Now!

With the global population living longer—the number of people worldwide aged 80 years or over is projected to triple by 2050—understanding the factors that influence healthy aging throughout our lifetimes is critical for protecting public health.

Scientists have long known that environment plays an important role in aging: for example, research has shown that human exposure to environmental pollutants can exacerbate age-related diseases, such as Alzheimer's and Parkinson's. However, many questions remain about the mechanisms through which environmental stressors influence aging, longevity, and the etiology of age-related disease. How do environmental pollutants, such as airborne particulate matter and pesticides, alter the biological processes that underlie human aging and longevity?

This workshop will explore emerging research at the intersection between aging, longevity, environmental exposures, and human health. Workshop speakers will detail emerging research findings through two lenses:

1. How environmental exposures influence or mediate aging; and
2. How aging influences environmentally-mediated health outcomes.

Participants will also explore research opportunities and needs, enabling technologies and analytical tools, and mechanisms to anticipate and use new data to inform decisions about personal health choices, public health and medical practice, or environmental regulation.

This event is public and free to attend. More information, including the agenda, will be available on [our website](#) in the coming weeks. Join the conversation on Twitter with [#ESEHDWorkshop](#). This event is made possible by the generous support of the National Institute of Environmental Health Sciences (NIEHS).

 **Forward This Email**



The National Academies' Standing Committee on Use of Emerging Science for Environmental Health Decisions (ESEHD) examines and discusses issues on the use of new science, tools, and research methodologies for environmental health decisions. Workshops convened by the ESEHD committee provide a public venue for communication among government, industry, environmental groups, and the academic community about scientific discoveries and advances in methods and approaches that can be used in the identification, quantification, and control of environmental impacts on human health. The ESEHD committee is organized under the auspices of [Board on Life Sciences](#) and the [Board on Environmental Studies and Toxicology](#) of the [National Academies of Sciences, Engineering, and Medicine](#), and sponsored by the [National Institute of Environmental Health Sciences](#).

You are receiving this email because you subscribed for updates from the Emerging Science for Environmental Health Decisions, or a board of the Division on Earth and Life Studies (or because it was forwarded to you by a colleague). [Manage your subscription preferences here.](#)

Copyright © 2020 National Academy of Sciences, All rights reserved.

You are receiving this email because you opted in to emails from a unit or project in the Division on Earth & Life Studies.

Our mailing address is:

National Academy of Sciences
500 Fifth Street NW
Washington, DC 20001

[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)



From: NASEM Health and Medicine
Sent: 11 Jul 2019 14:00:51 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Registration Available! August 1- The Promise of Adolescence: Realizing Opportunity for All Youth Report Launch

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE



BCYF website



Twitter



Subscribe to Receive Updates

**Register for the
event**

August 1, 2019

Report Launch

The Promise of Adolescence: Realizing Opportunity for All Youth

Keck Center of the National Academies of Sciences, Engineering, and Medicine, Room 100
500 5th St., NW
Washington, DC

#PromiseofYouth



How can systems, communities, and individuals use the science of adolescent development to support the promise of adolescence for all youth?

Join us **Thursday, August 1** to explore how the emerging understanding of adolescent brains and behavior can be applied to systems and society better serve youth in this exciting developmental stage. Participants can join in person in Washington, DC or remotely via webcast.

About the Report

The Promise of Adolescence: Realizing Opportunity for All Youth explores the emerging science of adolescent development and its many applications in policy and practice. The report finds ample evidence that changes in brain structure and connectivity that happen in adolescence present young people with unique opportunities for positive, life-shaping development, and for healing from past adversity. But for too many youth, the report concludes, the promise of adolescence is not being realized. *The Promise of Adolescence* provides multiple recommendations for policy and practice—such as in health care, education, justice, and child welfare—that capitalize on these

developmental opportunities and address inequities that undermine the well-being of many adolescents and leave them less able to take advantage of the promise offered by this



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 15 Aug 2019 19:02:54 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Registration for the Mental Health and SUD Forum's First Workshop is
Now Open

[View this email in your browser](#)

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Register Now!
**Key Policy Challenges to Improve Care
for People with Mental Health and
Substance Use Disorders: A Workshop**

Forum on Mental Health and Substance Use Disorders

Key Policy Challenges to Improve Care for People with Mental Health and Substance Use Disorders

A Workshop

October 15 - 16, 2019

[NationalAcademies.org/MHSUDForum](https://www.nationalacademies.org/MHSUDForum)

The National
Academies of
SCIENCES
ENGINEERING
MEDICINE

The [Forum on Mental Health and Substance Use Disorders](https://www.nationalacademies.org/MHSUDForum) is hosting its first public workshop on October

15-16, 2019. This first workshop will provide an overview of 5 key policy challenges to improve care for people with mental health and substance use disorders. The workshop will explore issues related to:

- Promoting person-centered care, patient and family member engagement, and shared decision making
- Defining what constitutes minimally adequate care for mental health and substance use disorders for different types of providers and in different care settings
- Identifying promising strategies to translate knowledge to practice and to monitor implementation
- Highlighting innovative practices to facilitate and optimize data collection, integration, and use
- Improving care spanning the medical, mental health, and substance use disorder workforce and care delivery systems

It is expected that subsequent workshops will continue to build on this foundational work, examining key issues in greater detail.

[Register Here](#)

Help Spread the Word!



[Share on Twitter:](#) Register now to attend the workshop on key policy challenges to improve care for people with mental health and substance use disorders on 10/15 & 10/16: <http://ow.ly/N8nY50vxA6F>



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: Beth Cameron
Sent: 3 May 2019 21:00:52 +0000
To: agnes-marta.molnar@ec.europa.eu;Imnadze, Paata (CDC ncdc.ge);isam@fmoh.gov.sd;madeleine.heyward@health.gov.au;nk725@georgetown.edu;issamakumbi@gmail.com;westmb@state.gov;amelie.schmitt@sante.gouv.fr;sagr.dgprev@sanita.it;sudan.ihr@gmail.com;howie@openphilanthropy.org;patrick.mathys@bag.admin.ch;mbds@mbdsnet.org;elaine.chatigny@phac-aspc.gc.ca;john.topping@phac-aspc.gc.ca;madalin.amzolini@ec.europa.eu;ghsa.indonesia@gmail.com;amwatondo@yahoo.com;jan.lodding@gov.se;andreas.hilmersson@gov.se;globalhealthsecurity@georgetown.edu;jlange@unfoundation.org;Geoff.Bowan@dfat.gov.au;sarah.lawley@hc-sc.gc.ca;ronwaldman@email.gwu.edu;Jan Ormel, Henk (CDC fao.org);jannethmghamba@gmail.com;Schwoerer, Antione (CDC sante.gouv.fr);t.gevans@worldbankgroup.org;c.jehu-appiah@afdb.org;p.seck@primature.sn;nextgenghsa@gmail.com;thor.erik.lindgren@mfa.no;JSH@ssi.dk;JBU@ssi.dk;nshelat@usaid.gov;William.Read@dfat.gov.au;cchu@korea.kr;mhamburg@nas.edu;max.rettig@gmail.com;avesmari@gmail.com;kpietranton@gmail.com;iwgrant@gmail.com;jeffrey.prescott@gmail.com;lansen@sandia.gov;parsons15@llnl.gov;da_blazes@hotmail.com;jeff.sturchio@rabinmartin.com;natascha.braumann@merckgroup.com;vishal.patel@emdserono.com;jrao@asmusa.org;RiversM@si.edu;Karen.Sliter@yahoo.com;charliedarr@gmail.com;hignatius@path.org;keiko.watanabe@jcie.org;t.suzuki@jcie.or.jp;kshiromasa@jcie.org;jgannon@jcie.org;hirotake.hayashi@mofa.go.jp;eivanovich@unfoundation.org;daniel.lucey8@gmail.com;lannazzo, Stefania (CDC sanita.it);wgjames1953@gmail.com;gostin@law.georgetown.edu;dr_msafi@hotmail.com;M.I.Esveld@minvws.nl;Rietveld, Gert-Jan (CDC minbuza.nl);hp.barnard@minvws.nl;McCloskey, Brian (CDC phe.gov.uk);mark.salter@phe.gov.uk;diahaminarsih@gmail.com;Bianca.tonetti@fao.org;Susanna.sissonen@thl.fi;dirnicd@nic.in;kirk99@korea.kr;sbekania@moh.gov.ge;f.cicogna@sanita.it;jussi.sane@thl.fi;Michael.Huebel@ec.europa.eu;giulio.marini@esteri.it;a.dehove@oie.int;jsyunn1@korea.kr;dcarroll@usaid.gov (CDC usaid.gov);dschar@usaid.gov;mikael.langstrom@formin.fi;syamsu alam;petri.ruutu@thl.fi;Lourdes.Chamorro@eeas.europa.eu;Otto, Patrick (CDC fao.org);Jones, Franca (CDC mail.mil);Clements, Andrew (CDC usaid.gov);Karen.Matthews@hhs.gov;banonah_lily@yahoo.co.id;ghsaindonesia@gmail.com;ita.soitawati@gmail.com;ann.umar36@gmail.com;stafdirjenbinfar@yahoo.com;Evans, Brian (CDC oie.int);aayu.trisnadewi@gmail.com;Karen.Sliter@aphis.usda.gov;Salmenlinna, Saara (CDC thl.fi);vivisetiawaty@hotmail.com;drindriyono@yahoo.com;Wolfgang.Philipp@ec.europa.eu;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Priya.markanday@fao.org;Jan Ormel, Henk (CDC fao.org);Raija, Tiina (CDC defmin.fi);Paula.L.Cowen@aphis.usda.gov;Montgomery, Joel M. (CDC/DDID/NCEZID/OD);cheryl.holden@phac-aspc.gc.ca;aduncker@minrel.cl;Halabdely@moh.gov.sa;Astrid.tripodi@fao.org;pasi.mustonen@formin.fi;alongwagar@usaid.gov;Dr.;murniatix@state.gov;aboni@usaid.gov;Peruski, Leonard F. (CDC/DDPHSIS/CGH/DGHP);Yu, Anne (HHS/OS/OGA);Albetkova, Adilya A. (CDC/DDPHSIS/CGH/DGHP);alfachita@yahoo.com;lasha.avaliani@nfa.gov.ge;jutta.immanenpoyry@thl.fi;Bartee, Maureen S. (CDC/DDPHSIS/CGH/OD);Yilma.makkonen@fao.org;pasi.korhonen@stm.fi;Osoro, Eric (CDC zdukenya.org);marjatta.rahkio@mmm.fi;alhakeem2000@yahoo.com;mireille.rigby@phac-aspc.gc.ca;de Balogh, Katina (CDC fao.org);Raizman, Eran (CDC fao.org);mhurtado@minrel.gov.cl;Pinto, Julio (CDC fao.org);adiaratoun@gmail.com;dcm.jakarta@mea.gov.in;hakeem-r@moh.gov.sa;osoroe@yahoo.com;asoebandrio@gmail.com;nina.tuominen@stm.fi;lella.a.heintzelman.civ@mail.mil;Charles.bebay@fao.org;Eckles, Jacob (OS/OGA);Angra, Pawan (CDC/DDPHSIS/CGH/DGHP);director@iedcr.gov.bd;aya_fhya@yahoo.com;drpapaseck@yahoo.fr;veli-mikko.niemi@stm.fi;Tiziana.Farina@fao.org;kchittenden@usaid.gov;hoohee.nam08@gmail.com;ernasugih@yahoo.com;oscar.s.friendly.ctr@mail.mil;bmoskov@usaid.gov;drsunilgupta.ncdc@gmail.com;anna.

wickstrom-

noejgaard@formin.fi;jwt0@cdc.gov;Matthew.Lim@hhs.gov;cvincent@usaid.gov;Nraihaan@moh.gov.sa;
Park, Minsoo (CDC hotmail.com);timna.gorber@hc-sc.gc.ca;ganeaceng@gmail.com;kalokoms@africa-
union.org;j.muller@interpol.int;renee.deschamps@dfat.gov.au;bn.reddy@ties.itu.int;s.corning@oie.int;
mroncarati@minsal.cl;lmnadze, Paata (CDC ncdc.ge);ThuyOanh, Kim (CDC
usaid.gov);raad.fadaak@gmail.com;meerflora@yahoo.com;benrimba@hotmail.com;Diop.bouna@fao.o
rg;j.gwack@gmail.com;nkelsum@yahoo.com

Cc: Michelle Nalabandian;Katz, Rebecca L;Nancy Connell;Gregory Lewis;Jake Jordan

Subject: RSVP: May 22 World Health Assembly Breakfast Event on Preventing High-
Consequence & Globally Catastrophic Biological Risks of the Future

Attachments: WHA GCBR Side Event Invitation_May 22, 2019.pdf



GEORGETOWN UNIVERSITY
Georgetown University Medical Center
Center for Global Health Science and Security



JOHNS HOPKINS
BLOOMBERG SCHOOL
of PUBLIC HEALTH

Center for
Health Security

Breakfast Side-Event: Ebola, Pandemics, and Biological Weapons

*A Facilitated High-Level Panel Discussion Focused on Preventing
High-Consequence and Globally Catastrophic Biological Risks of the Future*

2019 World Health Assembly

Wednesday, May 22nd, 2019

7:30 a.m. – 9:00 a.m.

InterContinental Hotel, Geneva, Ballroom B

[RSVP Today](#)

Confirmed Featured Speaker:



Dr. Chikwe Ihekweazu

Director General of the Nigeria Centre for Disease Control

[NTI | bio](#), the [Johns Hopkins Center for Health Security](#), the [Georgetown University Center for Global Health Science and Security](#), and the [Future of Humanity Institute](#) will co-convene a side event at the 2019 World Health Assembly to discuss preventing high-consequence biological threats of the future. Official invitations will be sent in the coming weeks with additional details and an online RSVP link.

Against a backdrop of an increasingly interconnected yet unstable and disordered world, the risk of a pandemic event with catastrophic consequences is increasing. **This side event will consider three specific scenarios that demonstrate the increasing risk of a high-consequence biological event:**

- Regional instability fueling a disease outbreak, as with the ongoing Ebola outbreak in the Democratic Republic of Congo;
- Gaps in international architecture and response capacity, particularly for deliberate biological events; and
- Advances in technology that could significantly facilitate the development and use of a high-consequence biological weapon.

Speakers will discuss each scenario and provide their national, regional, and global perspectives, as well as recommendations for ways to prevent and deter catastrophic biological risks of the future.

For any questions, please contact Dr. Beth Cameron, Vice President for Biological Policy and Programs (+1 (202) 296-4810; cameron@nti.org).



GEORGETOWN UNIVERSITY
Georgetown University Medical Center
Center for Global Health Science and Security



JOHNS HOPKINS
BLOOMBERG SCHOOL
of PUBLIC HEALTH

Center for
Health Security

Breakfast Side-Event: Ebola, Pandemics, and Biological Weapons

*A Facilitated High-Level Panel Discussion Focused on Preventing
High-Consequence and Globally Catastrophic Biological Risks of the Future*

2019 World Health Assembly

Wednesday, May 22nd, 2019

7:30 a.m. – 9:00 a.m.

InterContinental Hotel, Geneva, Ballroom B

[RSVP Today](#)

Confirmed Featured Speaker:



Dr. Chikwe Ihekweazu

Director General of the Nigeria Centre for Disease Control (NCDC)

[NTI | bio](#), the [Johns Hopkins Center for Health Security](#), the [Georgetown University Center for Global Health Science and Security](#), and the [Future of Humanity Institute](#) will co-convene a side event at the 2019 World Health Assembly to discuss preventing high-consequence biological threats of the future. Official invitations will be sent in the coming weeks with additional details and an online RSVP link.

Against a backdrop of an increasingly interconnected yet unstable and disordered world, the risk of a pandemic event with catastrophic consequences is increasing. **This side event will consider three specific scenarios that demonstrate the increasing risk of a high-consequence biological event:**

- Regional instability fueling a disease outbreak, as with the ongoing Ebola outbreak in the Democratic Republic of Congo;
- Gaps in international architecture and response capacity, particularly for deliberate biological events; and
- Advances in technology that could significantly facilitate the development and use of a high-consequence biological weapon.

Speakers will discuss each scenario and provide their national, regional, and global perspectives, as well as recommendations for ways to prevent and deter catastrophic biological risks of the future.

For any questions, please contact Dr. Beth Cameron, Vice President for Biological Policy and Programs (+1 (202) 296-4810; cameron@nti.org).

From: Environmental Health Matters Initiative
Sent: 29 Jan 2020 16:25:00 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Share NAS President Marcia McNutt's Message about the EHMI

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE



THE ENVIRONMENTAL HEALTH MATTERS INITIATIVE

We need your help to spread the word.

The environmental health problems we're facing today aren't simple.

The solutions won't be either.



National Academy of Sciences President Marcia McNutt on
The Environmental Health Matters Initiative

[Watch the full video here.](#)

Share our posts!



Retwee
t



Repos
t



Shar
e

Click one of the icons above to share Dr. Marcia McNutt's message about the importance of the Environmental Health Matters Initiative.

Feel free to add your own thoughts on why #EnviroHealthMatters to you.



Copyright © 2019 National Academies, All rights reserved.

Our mailing address is:

The National Academies Keck Center
500 Fifth Street NW
Washington, D.C. 20001

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#)

You are receiving this email because you opted to receive content from the Environmental Health Matters Initiative.

From: NASEM Health and Medicine
Sent: 17 Jul 2019 13:34:33 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Sign up for the report release! Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Sign up for the report release!
**Vibrant and Healthy Kids: Aligning Science, Practice,
and Policy to Advance Health Equity**

Please join us for the report release webinar of the new National Academies report "Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity" on Thursday, July 25th, 2019 at 11:00 am ET. The webinar will include an overview of the report and discussion of the report's findings, conclusions, recommendations, and key messages.

Authoring committee members participating in the webinar include:

Jennifer E. DeVoe (*Chair*), Professor and Chair, Department of Family Medicine, Oregon Health & Science University

Elizabeth Davis, Professor of Applied Economics, University of Minnesota


Nadine Burke Harris, Surgeon General, State of California

Pat R. Levitt, Chief Scientific Officer, Vice President, and Director of the Saban Research Institute, Simms/Mann Chair in Developmental Neurogenetics, W.M. Keck Provost Professor

Albert Wat, Senior Policy Director, Alliance for Early Success

Register [now](#) to watch the webinar releasing the new report.

Register now



Vibrant and Healthy Kids

Aligning Science, Practice,
and Policy to Advance
Health Equity

REPORT RELEASE WEBINAR

JULY 25, 2019

11:00 AM - 12:00 PM ET

 **#VibrantHealthyKids**

*The National
Academies of* SCIENCES
ENGINEERING
MEDICINE

bit.ly/VibrantHealthyKidsWebinar

Join the conversation with #VibrantHealthyKids



[Share on Twitter:](#) Learn the science of what works to advance health equity for all children. Sign up for the release webinar of a new @NASEM_Health report, Vibrant and Healthy Kids: Aligning Science, Practice, and Policy to Advance Health Equity bit.ly/VibrantHealthyKidsWebinar #VibrantHealthyKids



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Roundtable on Obesity Solutions
Sent: 8 Jul 2019 19:07:00 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: There's Still Time to Register: Webinar on Obesity in First 2 Years of Life

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

Health and Medicine

**The Potential Role of Nutrition in the First 2 Years of Life in the
Prevention of Child Overweight and Obesity: A Webinar**

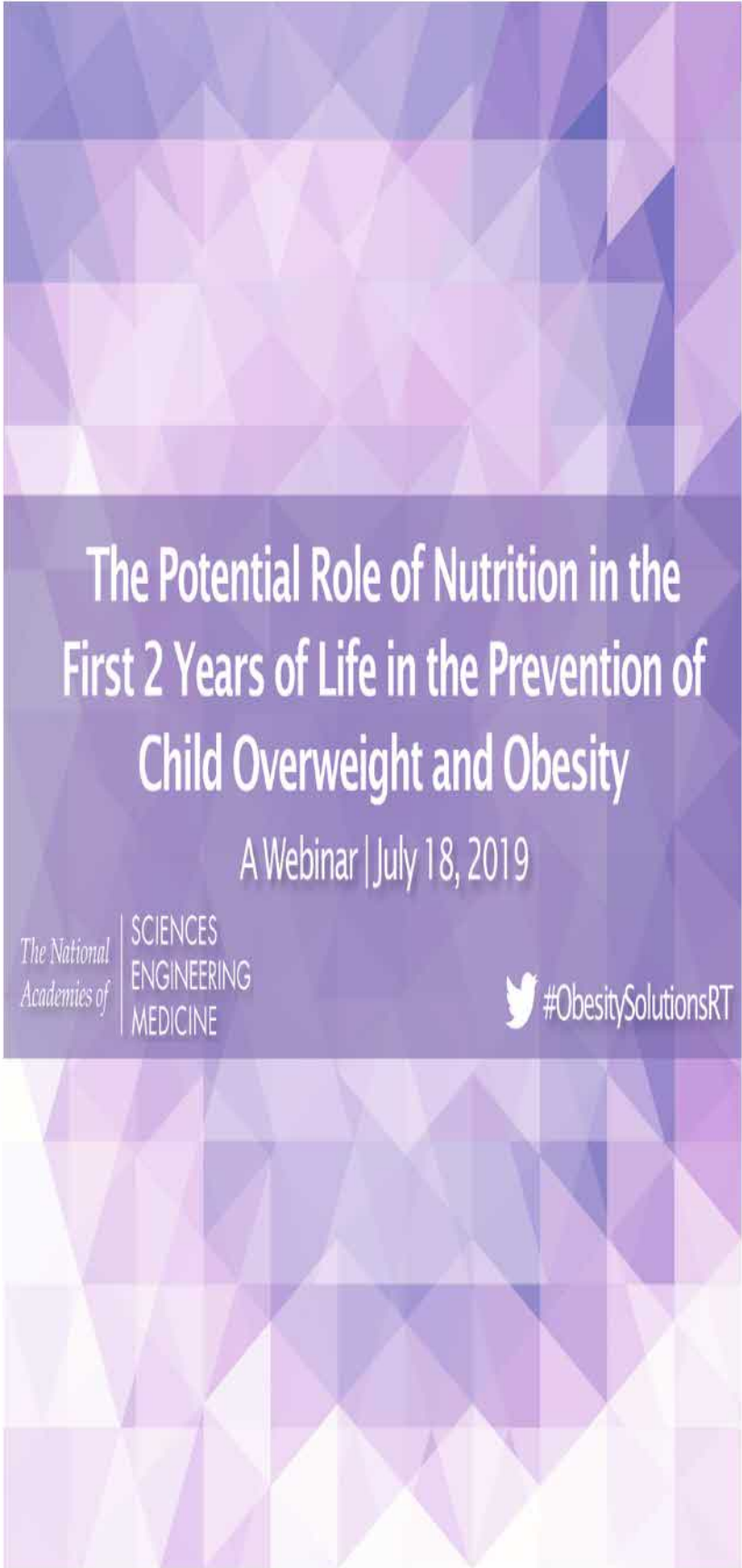
July 18, 2019

On **July 18 from 12:00-1:15pm EDT**, the [Roundtable on Obesity Solutions](#) is hosting a 75-minute webinar that will explore the role of infant and early childhood nutrition (birth to <2 years of age) related to healthy growth and the prevention of overweight and obesity later in childhood. Presentations will feature the current prevalence and trends of high weight-for-length in infants and young children, the state of the science on nutrition-related modifiable risk factors, and obesity prevention interventions that address healthy growth, with a special emphasis on reducing disparities in populations with above-average obesity risk.



[Register to attend](#). For more information, visit the [webinar website](#).

Register Now



The Potential Role of Nutrition in the First 2 Years of Life in the Prevention of Child Overweight and Obesity

A Webinar | July 18, 2019

*The National
Academies of* SCIENCES
ENGINEERING
MEDICINE

 #ObesitySolutionsRT

From: NASEM Health and Medicine
Sent: 6 Sep 2019 15:04:03 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Top 10 Publications of August

*The National
Academies of*

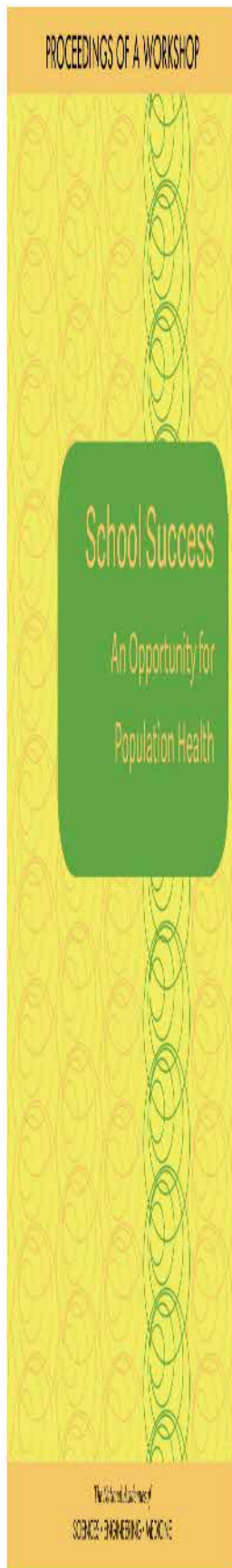
SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Top 10 of August

Most Read Reports & Publications

Need something to read with your pumpkin spice latte?
Check out one of our top 10 publications of August.



10. [School Success: An Opportunity for Population Health: Proceedings of a Workshop](#)

Released: August 1, 2019

9. [Public Health Consequences of E-Cigarettes](#)

Released: January 23, 2018

From: NASEM Health and Medicine
Sent: 8 Jul 2019 16:03:50 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Top 10 Publications of June

*The National
Academies of*

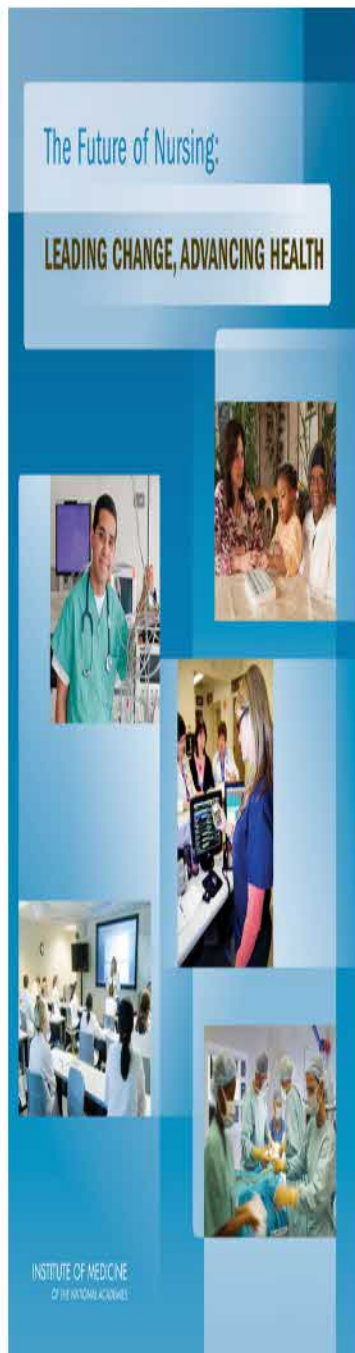
SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Top 10 of June

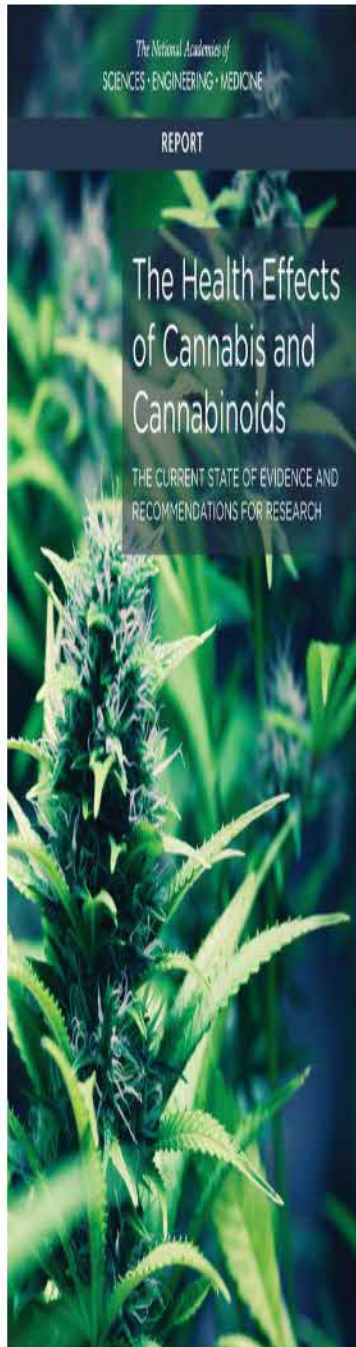
Most Read Reports & Publications

Escape the heat and read our most-read publications of June.



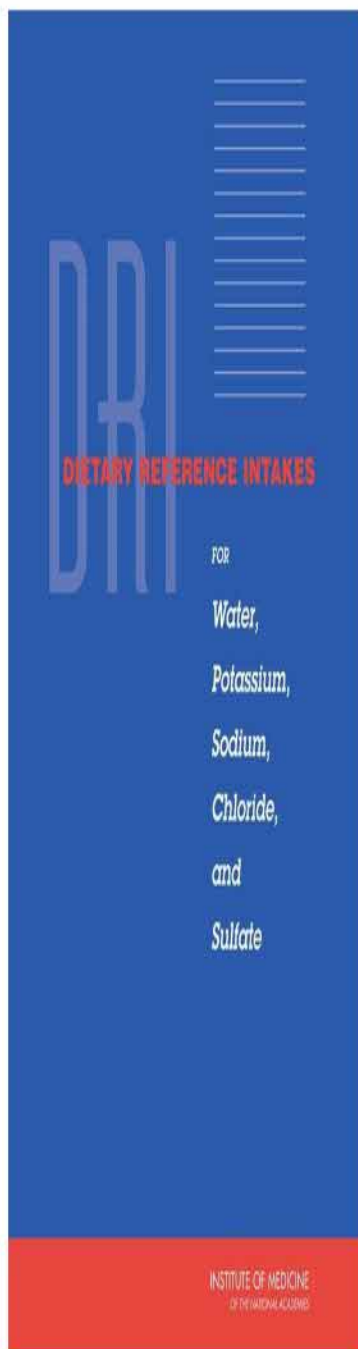
1. [The Future of Nursing: Leading Change, Advancing Health](#)

Released: October 5, 2010



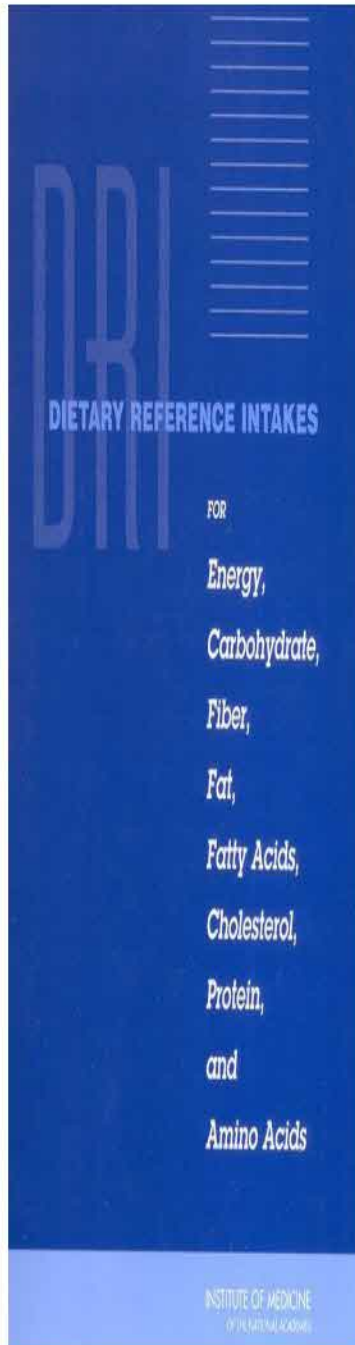
2. [The Health Effects of Cannabis and Cannabinoids:
The Current State of Evidence and Recommendations
for Research](#)

Released: January 12, 2017



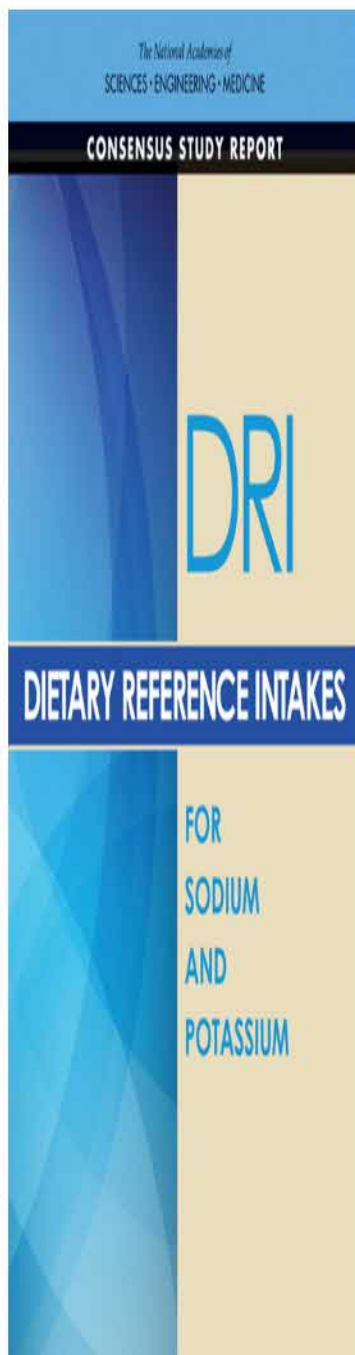
3. [Dietary Reference Intakes: Water, Potassium, Sodium, Chloride, and Sulfate](#)

Released: February 11, 2004



4. [Dietary Reference Intakes for Energy, Carbohydrate, Fiber, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acids](#)

Released: September 5, 2002



5. [Dietary Reference Intakes for Sodium and Potassium](#)

Released: March 5, 2019



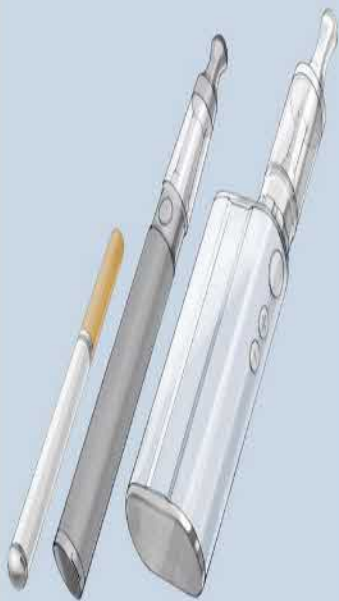
6. [Beyond Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Redefining an Illness](#)

Released: February 10, 2015

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

CONSENSUS STUDY REPORT

Public Health
Consequences of
E-Cigarettes

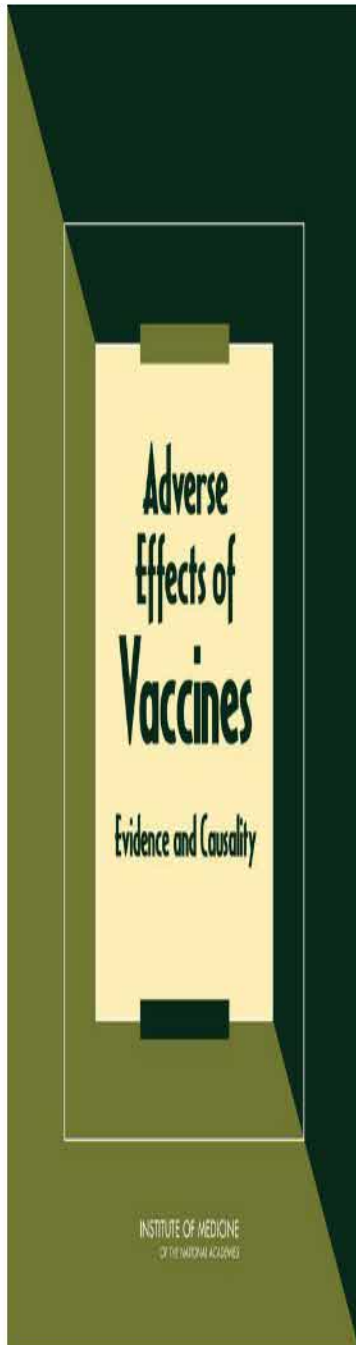


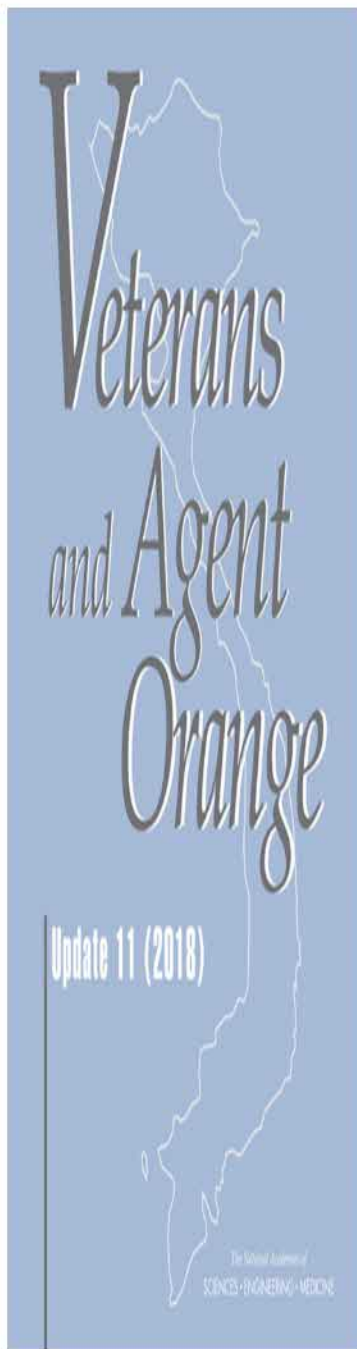
7. [Public Health Consequences of E-Cigarettes](#)

Released: January 23, 2018

8. [Adverse Effects of Vaccines: Evidence and Causality](#)

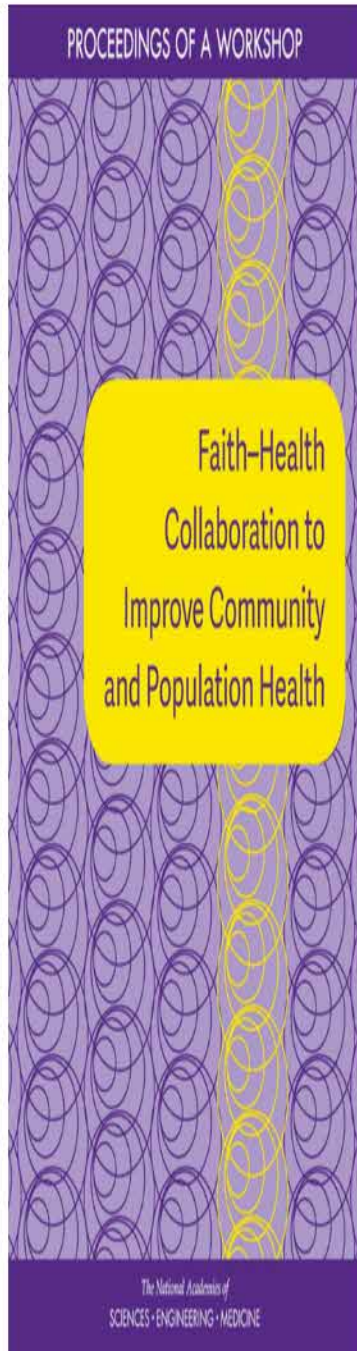
Released: August 25, 2011





9. [Veterans and Agent Orange: Update 11 \(2018\)](#)

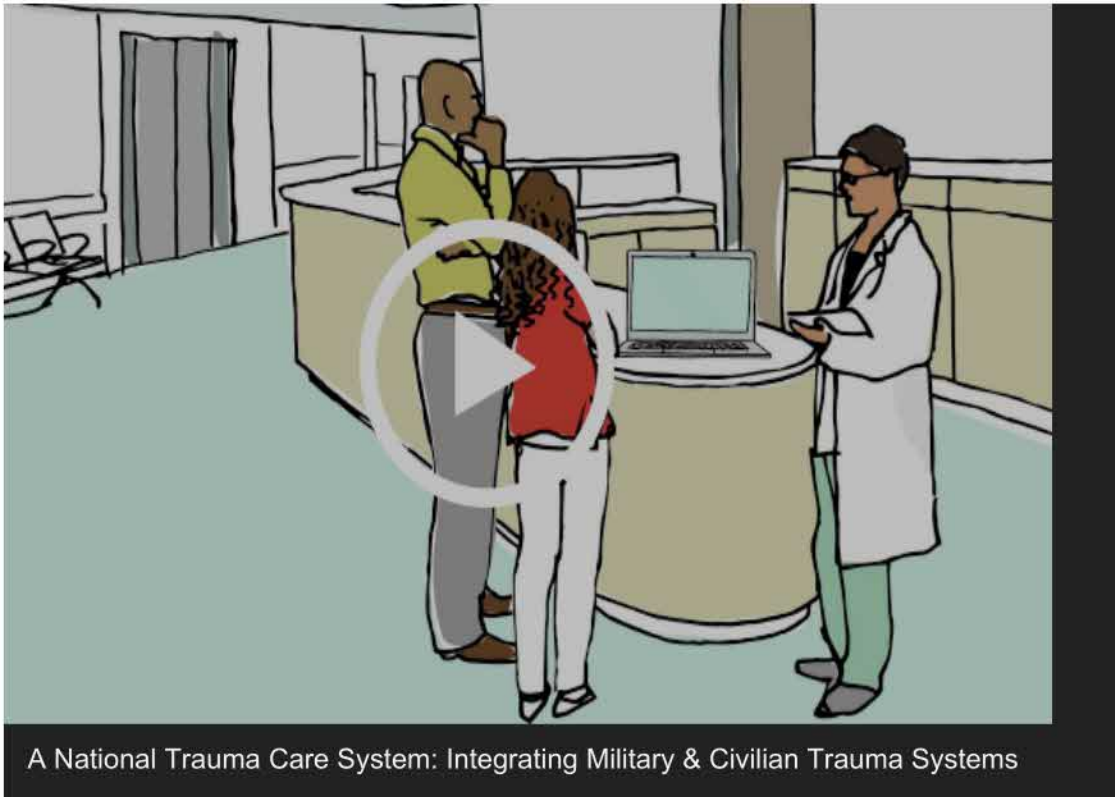
Released: November 15, 2018



10. [Faith-Health Collaboration to Improve Community and Population Health: Proceedings of a Workshop](#)

Released: June 7, 2019

Featured Resource



If trauma care were optimal, hundreds or more lives of our military service members could likely be saved in future wars. Those potential gains soar into the tens of thousands of lives saved if past and future improvements in military trauma care could be systematically translated into the civilian sector. Our video outlines information from our 2016 report [*A National Trauma Care System: Integrating Military and Civilian Trauma Systems to Achieve Zero Preventable Deaths After Injury.*](#)

 [**Tweet about it:**](#) I checked out the top 10 most-read @NASEM_Health reports from June, have you?





National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 5 Jun 2019 14:15:46 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Top 10 Publications of May

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Top 10 of May

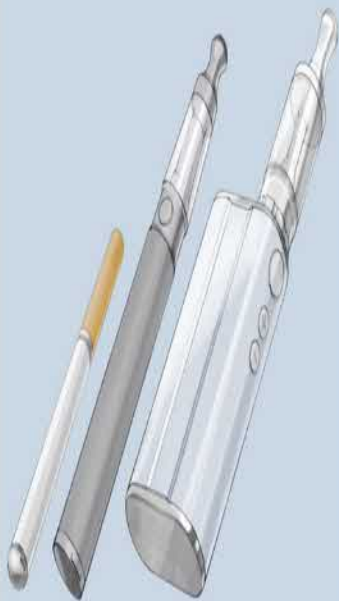
Most Read Reports & Publications

Summer reading list? Check! Take a look at our top 10 downloads from May.

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

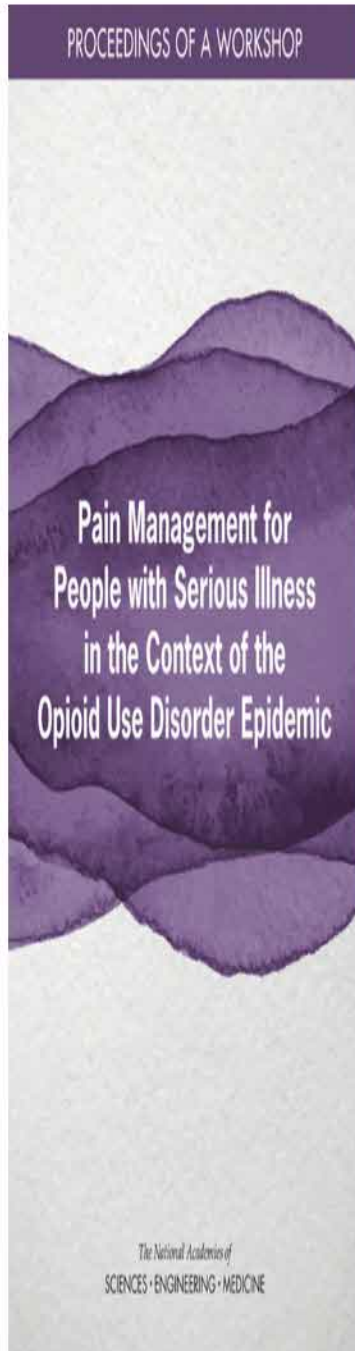
CONSENSUS STUDY REPORT

Public Health
Consequences of
E-Cigarettes



10. [Public Health Consequences of E-Cigarettes](#)

Released: January 23, 2018



9. [Pain Management for People with Serious Illness in the Context of the Opioid Use Disorder Epidemic: Proceedings of a Workshop](#)

Released: May 1, 2019



8. [Beyond Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Redefining an Illness](#)

Released: February 10, 2015

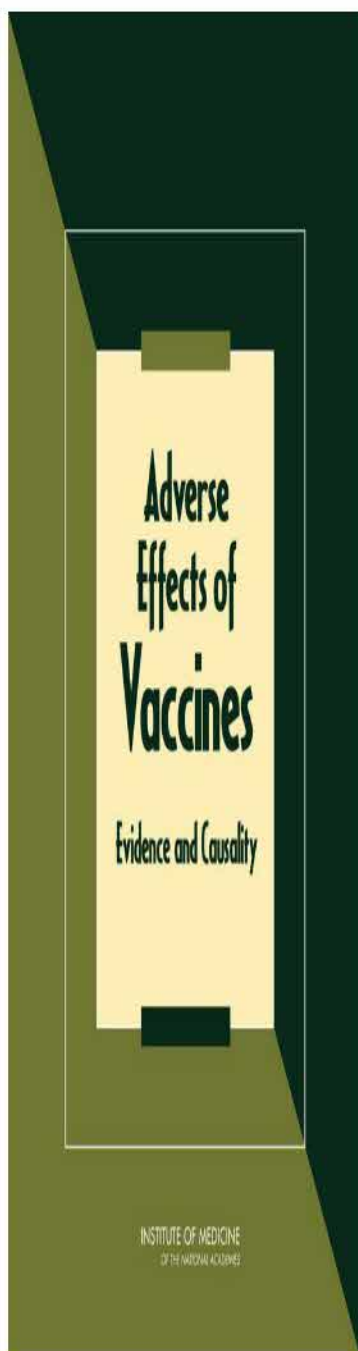


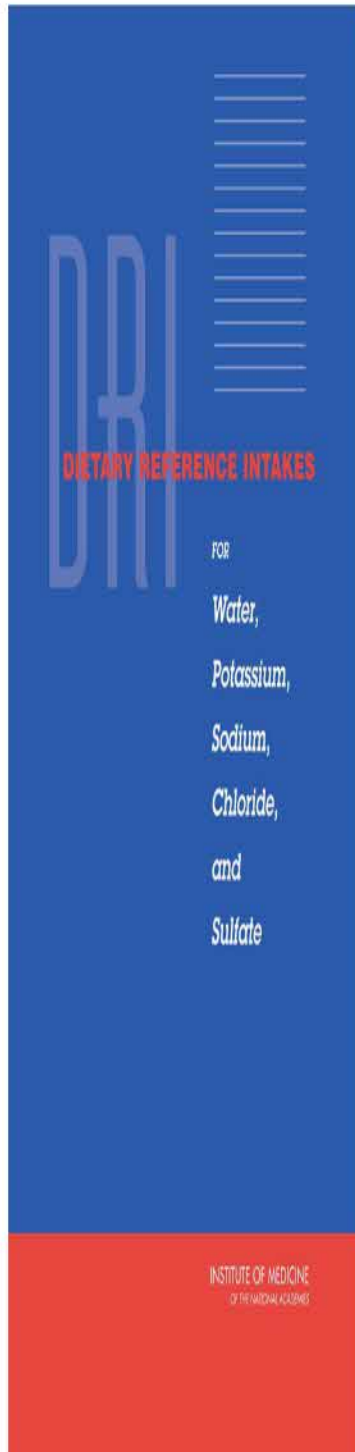
7. [The Promise of Adolescence: Realizing Opportunity for All Youth](#)

Released: May 16, 2019

6. [Adverse Effects of Vaccines: Evidence and Causality](#)

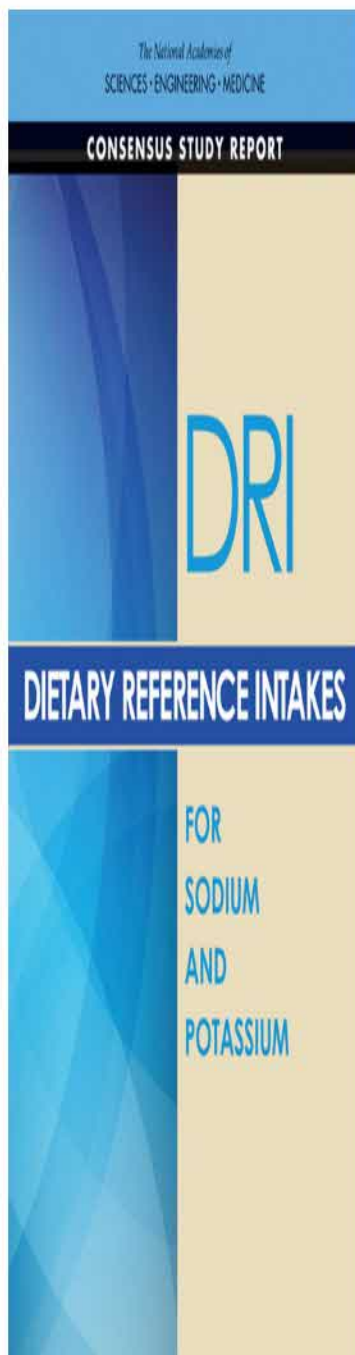
Released: August 25, 2011





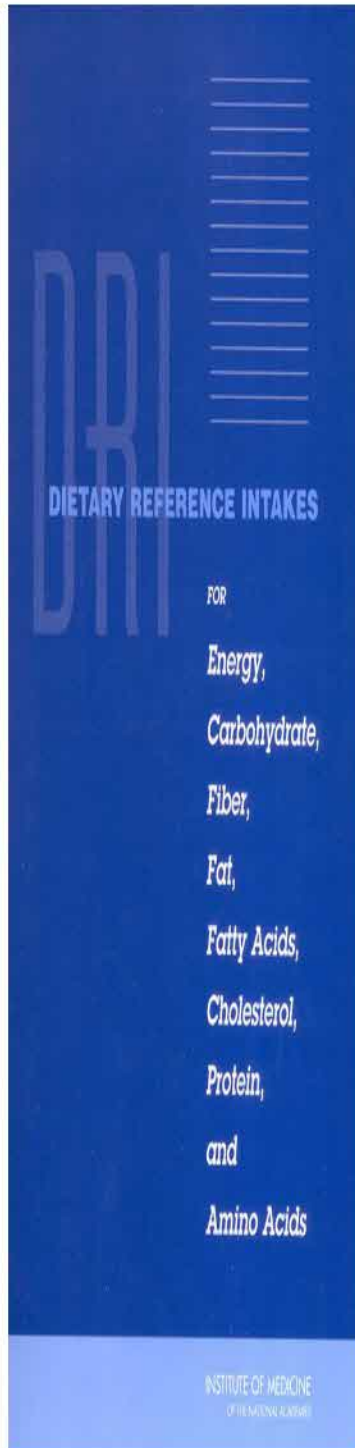
5. [Dietary Reference Intakes: Water, Potassium, Sodium, Chloride, and Sulfate](#)

Released: February 11, 2004



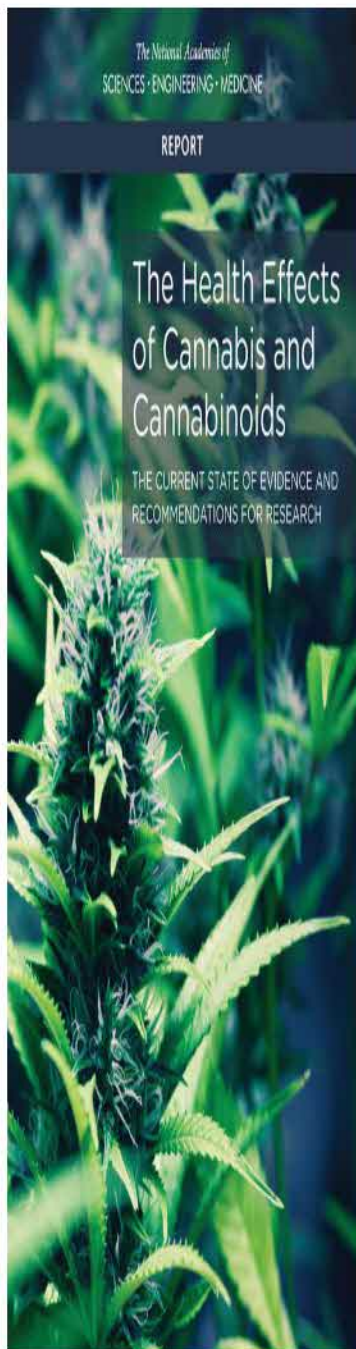
4. [Dietary Reference Intakes for Sodium and Potassium](#)

Released: March 5, 2019



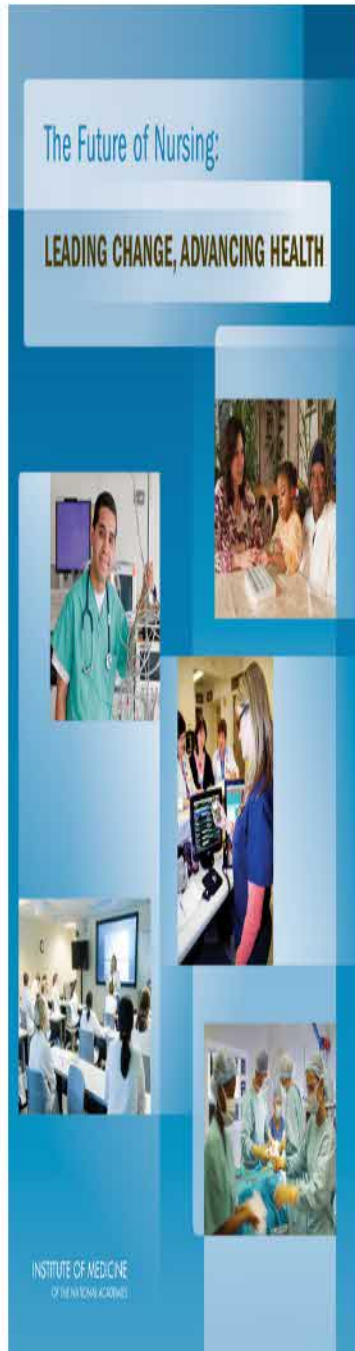
3. [Dietary Reference Intakes for Energy, Carbohydrate, Fiber, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acids](#)

Released: September 5, 2002



2. [The Health Effects of Cannabis and Cannabinoids:
The Current State of Evidence and Recommendations
for Research](#)

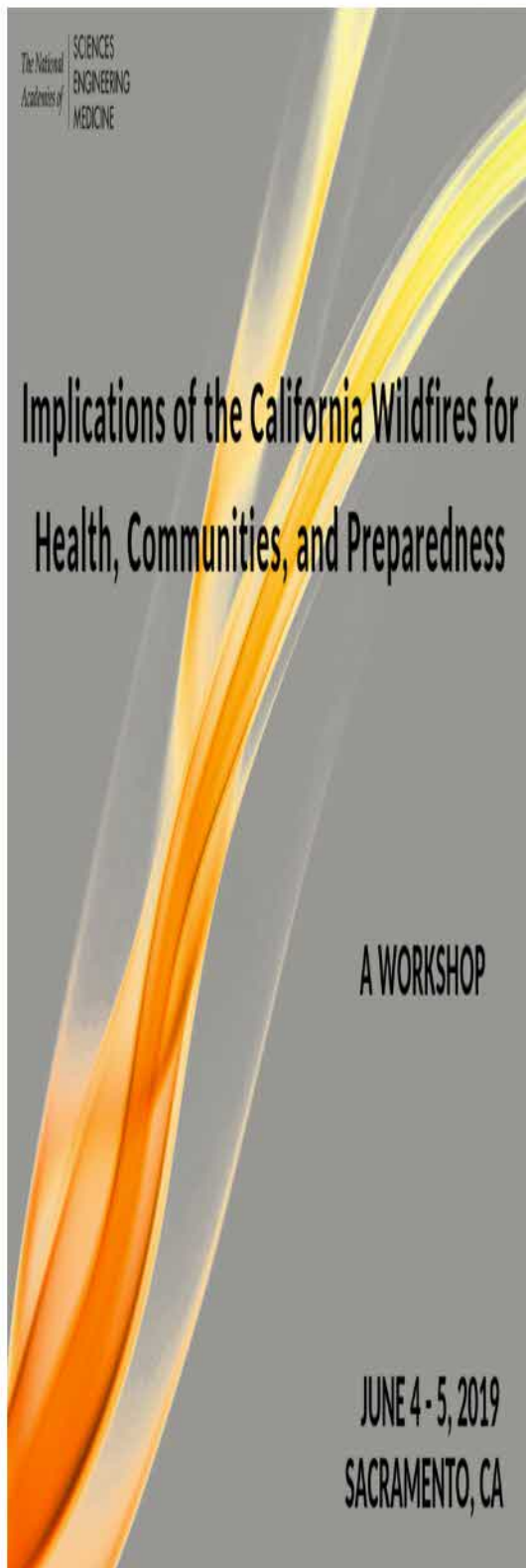
Released: January 12, 2017



1. [The Future of Nursing: Leading Change, Advancing Health](#)

Released: October 5, 2010

Upcoming Workshops



Health-Focused Public-Private Partnerships
in the Urban Context - A Workshop



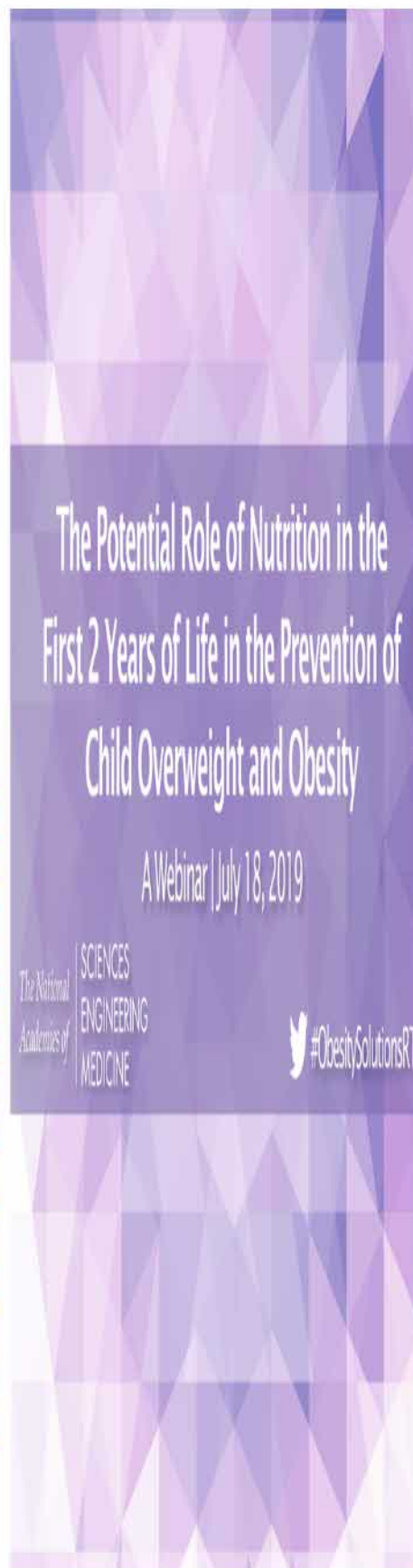
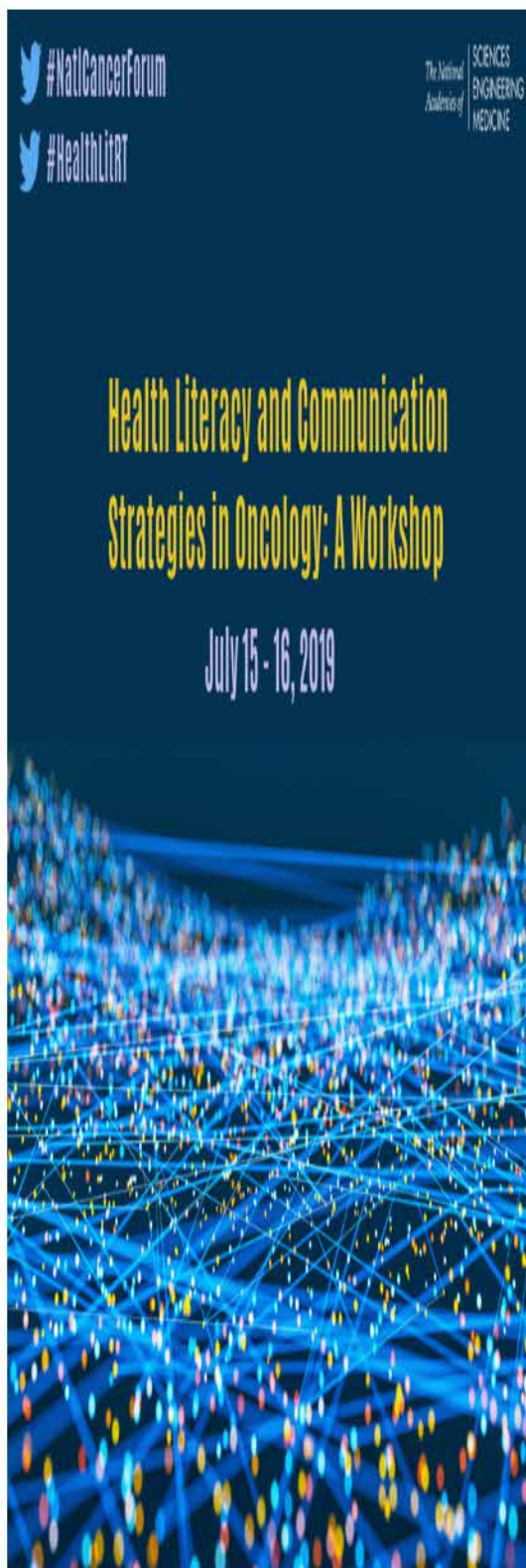
The National
Academies of
SCIENCES
ENGINEERING
MEDICINE

**Identifying Research Gaps in
Clinical Practice Guidelines for
Prescribing Opioids for Acute Pain**
A Workshop

July 9, 2019

Washington, D.C.

 **#OpioidRXGuidelines**





Tweet about it: I checked out the top 10 most-read @NASEM_Health reports from May, have you?



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Environmental Health Matters Initiative
Sent: 5 Nov 2019 15:01:16 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Two Weeks Left to Register: Water Infrastructure Workshop

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE

New Workshop: Quality Water From Every Tap



QUALITY WATER FROM EVERY TAP

**A WORKSHOP OF
THE ENVIRONMENTAL HEALTH
MATTERS INITIATIVE**

NOVEMBER 21-22, 2019

*The National
Academies of* SCIENCES
ENGINEERING
MEDICINE

When:

Thursday, November 21, 2019 to Friday, November 22, 2019

Where:

National Academy of Sciences Lecture Room

2101 Constitution Ave NW

Washington, D.C. 20418

Note: A webcast will be available for attendees who are unable to travel to D.C.

Register Here

There's two weeks left to register for the second workshop of the Environmental Health Matters Initiative (EHMI). Join us!

The quality of U.S. drinking water is at risk as our water infrastructure ages and environmental conditions impact source water purity and quantity. This workshop will explore the paths we can take to increase the quality of water from systems that do not meet today's drinking water standards, especially for communities that lack adequate resources and expertise because they are small or declining in size. Participants will delve into existing scientific knowledge on this issue from a variety of perspectives, including social science and technological development. Our goal is for participants to share and generate innovative thinking on how to improve water quality, empowering leaders with the science they need to move the needle on this complex challenge.

This event is public and free to attend. To learn more and download our workshop agenda, please visit our [website](#).

Bonus! Looking for some new reading material? Explore:[Links Between Environmental Stressors and Infectious Disease](#)

A growing body of research has linked environmental stressors to infectious disease. For example, emerging findings suggest that environmental pollutants such as heavy metals, pesticides and airborne particulate matter may weaken the immune system and reduce vaccine effectiveness. However, environmental health is rarely combined with studies on infectious diseases. The National Academies has released a [Proceedings in Brief](#) from a

January 2019 [workshop](#) that explored those linkages and tools to engage scientists and decision makers in transnational, cross-disciplinary efforts. In addition, for all those attending the American Society of Tropical Medicine and Hygiene Annual Meeting, workshop organizers will host a Symposium on Friday, November 22 from 10:15-12:00 at the Gaylord National Resort, National Harbor, MD. Students and trainees (e.g., post docs) can get a one-day \$45 pass to the meeting. [Learn more here.](#)



Copyright © 2019 National Academy of Sciences, All rights reserved.

Our mailing address is:

The National Academy of Sciences
500 Fifth Street NW
Washington, D.C. 20001

[unsubscribe from this list](#) [update subscription preferences](#)

You are receiving this email because you opted in to emails from the Environmental Health Matters Initiative, Board on Chemical Sciences and Technology, Board on Environmental Studies and Toxicology, and/or Emerging Science for Environmental Health Decisions.

From: NASEM Environmental Health Matters Initiative
Sent: 5 Nov 2019 15:01:15 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Two Weeks Left to Register: Water Infrastructure Workshop

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

ENVIRONMENTAL HEALTH
MATTERS INITIATIVE

New Workshop: Quality Water From Every Tap



QUALITY WATER FROM EVERY TAP

**A WORKSHOP OF
THE ENVIRONMENTAL HEALTH
MATTERS INITIATIVE**

NOVEMBER 21-22, 2019

*The National
Academies of* SCIENCES
ENGINEERING
MEDICINE

When:

Thursday, November 21, 2019 to Friday, November 22, 2019

Where:

National Academy of Sciences Lecture Room

2101 Constitution Ave NW

Washington, D.C. 20418

Note: A webcast will be available for attendees who are unable to travel to D.C.

Register Here

There's two weeks left to register for the second workshop of the Environmental Health Matters Initiative (EHMI). Join us!

The quality of U.S. drinking water is at risk as our water infrastructure ages and environmental conditions impact source water purity and quantity. This workshop will explore the paths we can take to increase the quality of water from systems that do not meet today's drinking water standards, especially for communities that lack adequate resources and expertise because they are small or declining in size. Participants will delve into existing scientific knowledge on this issue from a variety of perspectives, including social science and technological development. Our goal is for participants to share and generate innovative thinking on how to improve water quality, empowering leaders with the science they need to move the needle on this complex challenge.

This event is public and free to attend. To learn more and download our workshop agenda, please visit our [website](#).

Bonus! Looking for some new reading material? Explore:[Links Between Environmental Stressors and Infectious Disease](#)

A growing body of research has linked environmental stressors to infectious disease. For example, emerging findings suggest that environmental pollutants such as heavy metals, pesticides and airborne particulate matter may weaken the immune system and reduce vaccine effectiveness. However, environmental health is rarely combined with studies on infectious diseases. The National Academies has released a [Proceedings in Brief](#) from a

January 2019 [workshop](#) that explored those linkages and tools to engage scientists and decision makers in transnational, cross-disciplinary efforts. In addition, for all those attending the American Society of Tropical Medicine and Hygiene Annual Meeting, workshop organizers will host a Symposium on Friday, November 22 from 10:15-12:00 at the Gaylord National Resort, National Harbor, MD. Students and trainees (e.g., post docs) can get a one-day \$45 pass to the meeting. [Learn more here.](#)



Copyright © 2019 National Academy of Sciences, All rights reserved.

Our mailing address is:

The National Academy of Sciences
500 Fifth Street NW
Washington, D.C. 20001

[unsubscribe from this list](#) [update subscription preferences](#)

You are receiving this email because you opted in to emails from the Environmental Health Matters Initiative, Board on Chemical Sciences and Technology, Board on Environmental Studies and Toxicology, and/or Emerging Science for Environmental Health Decisions.

From: NASEM Health and Medicine
Sent: 22 Aug 2019 18:01:38 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Upcoming meetings and events at NASEM Health

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

HEALTH AND MEDICINE

Upcoming Meetings and Events

AUGUST - SEPTEMBER

[Public Workshop of the Committee on Best Practices in
Assessing Mortality and Significant Morbidity Following Large-
Scale Disasters](#)

The National
Academies of
SCIENCES
ENGINEERING
MEDICINE

PUBLIC WORKSHOP

COMMITTEE ON BEST PRACTICES FOR
ASSESSING MORTALITY AND
SIGNIFICANT MORBIDITY FOLLOWING
LARGE-SCALE DISASTERS

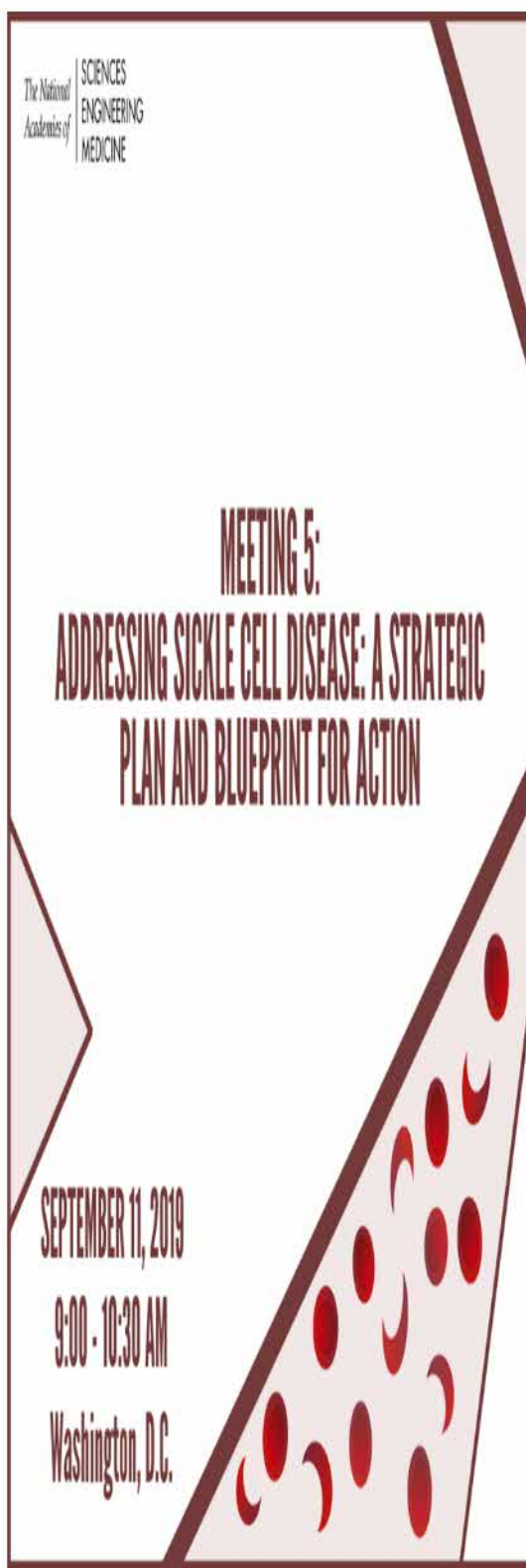
AUGUST 29 - 30, 2019

Date: August 29 - 30, 2019 (8:30 AM ET)

Location: Washington, D.C.

[Register here](#)

**Meeting 5: Addressing Sickle Cell Disease: A Strategic Plan and
Blueprint for Action**



Date: September 11, 2019 (9:00 AM ET)

Location: Keck Center, 500 Fifth St. NW,
Washington, D.C. 20001

[Register Here](#) (Webcast Available)

Advancing Effective Obesity Communications: A Workshop



Date: September 16, 2019 (8:30 AM ET)

Location: NAS Building, 2101 Constitution Avenue, NW, Washington, DC 20418

[Register here](#) (Webcast available)



#ObesitySolutionsRT

Twitter Chat on Reproducibility in Science



Date: September 16, 2019 (1:00 PM ET)

[Register here](#)



#ReproducibilityChat

**Models for Population Health Improvement by Health Care
Systems and Partners: Tensions and Promise on the Path
Upstream: A Workshop**

The National
Academies of
SCIENCES
ENGINEERING
MEDICINE

Models for Population Health Improvement by Health Care Systems and Partners: Tensions and Promise on the Path Upstream

A Workshop

Washington, D.C.
September 19, 2019

Date: September 19, 2019 (8:00 AM ET)

Location: Washington, D.C.

[Register here](#)



#PopHealthRT



Brain Health Across the Lifespan: A Workshop

The National
Academies of
SCIENCES
ENGINEERING
MEDICINE

A WORKSHOP

BRAIN HEALTH ACROSS THE LIFESPAN



SEPTEMBER 24 - 25, 2019

Date: September 24 - 25, 2019 (8:00 AM ET)

Location: NAS Building, 2101 Constitution
Avenue, NW, Washington, DC 20418

[Register here](#) (Webcast available)

Neuroscience Data in the Cloud: A Workshop



Date: September 24, 2019 (8:30 AM ET)

Location: Keck Center, 500 Fifth St. NW,
Washington, D.C. 20001

[Register here](#) (Webcast registration only)



#NeuroForum

**Report Release Webinar: Integrating Social Care into the Delivery
of Health Care: Moving Upstream to Improve the Nation's Health**

Date: September 25, 2019 (11:00 AM ET)

[Register here](#)



#SocialCare

Integrating Social Care into the Delivery of Health Care:

Moving Upstream to Improve the Nation's Health

REPORT RELEASE WEBINAR
September 25, 2019, 11 am ET

 **#SocialCare**

Learn More: <http://bit.ly/SocialCareReportWebinar>

**Enhancing Scientific Reproducibility through Transparent
Reporting: A Workshop**



Date: September 25 - 26, 2019 (8:30 AM ET)

Location: NAS Building, 2101 Constitution Avenue, NW, Washington, DC 20418

[Register here](#) (Webcast available)



#DrugForum

The Consequences of Juvenile Justice System Involvement on
the Health and Well-Being of Adolescents, Families, and
Communities of Color: A Workshop

THE CONSEQUENCES OF JUVENILE JUSTICE
SYSTEM INVOLVEMENT ON THE HEALTH AND
WELL-BEING OF ADOLESCENTS, FAMILIES, AND
COMMUNITIES OF COLOR

FLAGSTAFF, ARIZONA

A WORKSHOP

SEPTEMBER 26, 2019



Date: September 26, 2019 (8:00 AM MT)

Location: 201 West Butler Avenue, Flagstaff,
Arizona 86001

[Register here](#) (Webcast available)



#HealthEquity

[View all
Events](#)

In case you missed it...

Watch archived videos and visit other resources from our recent events

[The Role of NIH in Drug Development Innovation and its Impact on Patient Access: A Workshop](#)

Date: July 24 - 25, 2019  [#drugdevelopmentinnovation](#)

[Health Literacy and Communication Strategies in Oncology: A Workshop](#)

Date: July 15 - 16, 2019  [#NatlCancerForum](#)  [#HealthLitRT](#)

[Identifying Research Gaps in Clinical Practice Guidelines for Prescribing Opioids for Acute Pain: A Workshop](#)

Date: July 9, 2019



National Academies of Sciences, Engineering, and Medicine

[View this email in your browser](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this because you opted in to get emails from the Health and Medicine Division.

Our mailing address is:

500 Fifth Street NW
Washington, DC 20001

The Health and Medicine Division continues the consensus studies and convening activities previously undertaken by the Institute of Medicine (IOM). Visit us at <http://nationalacademies.org/HMD>

If you no longer want to receive emails from this list, [update your subscription preferences](#).

If you no longer want to receive any email updates from the Health and Medicine Division, [unsubscribe](#).

From: NASEM Health and Medicine
Sent: 19 Jun 2019 19:16:30 +0000
To: Ahmed, Zara X. (CDC/DDPHSIS/CGH/DGHP)
Subject: Upcoming meetings and events at NASEM Health



HEALTH AND MEDICINE

Upcoming Meetings and Events

JUNE - JULY

[Public Webinar Release: Guiding Cancer Control: A Path to Transformation](#)



Date: June 27, 2019 (1:00 PM Eastern)

Location: Virtual

[Register here](#)



#CancerControl

**Meeting 3: Committee on Examination of the Integration of Opioid
and Infectious Disease Prevention Efforts in Select Programs**

Examination of the Integration of Opioid and Infectious Disease Prevention Efforts in Select Programs

June 27 - 28, 2019

Washington, D.C.

bit.ly/2KtGScN

Dates:

June 27, 2019 (1:00 PM Eastern)

June 28, 2019 (8:30 AM Eastern) Webcast Only

Location: NAS Building, 2101 Constitution
Avenue, NW, Washington, D.C. 20418

[Register here](#)

Identifying Research Gaps in Clinical Practice Guidelines for Prescribing Opioids for Acute Pain: A Workshop



Date: July 9, 2019 (9:00 AM Eastern)

Location: NAS Building, 2101 Constitution Avenue, NW, Washington, DC 20418

[Register here](#) (Webcast available)

Identifying Research Gaps in Clinical Practice Guidelines for Prescribing Opioids for Acute Pain

A Workshop

July 9, 2019

Washington, D.C.

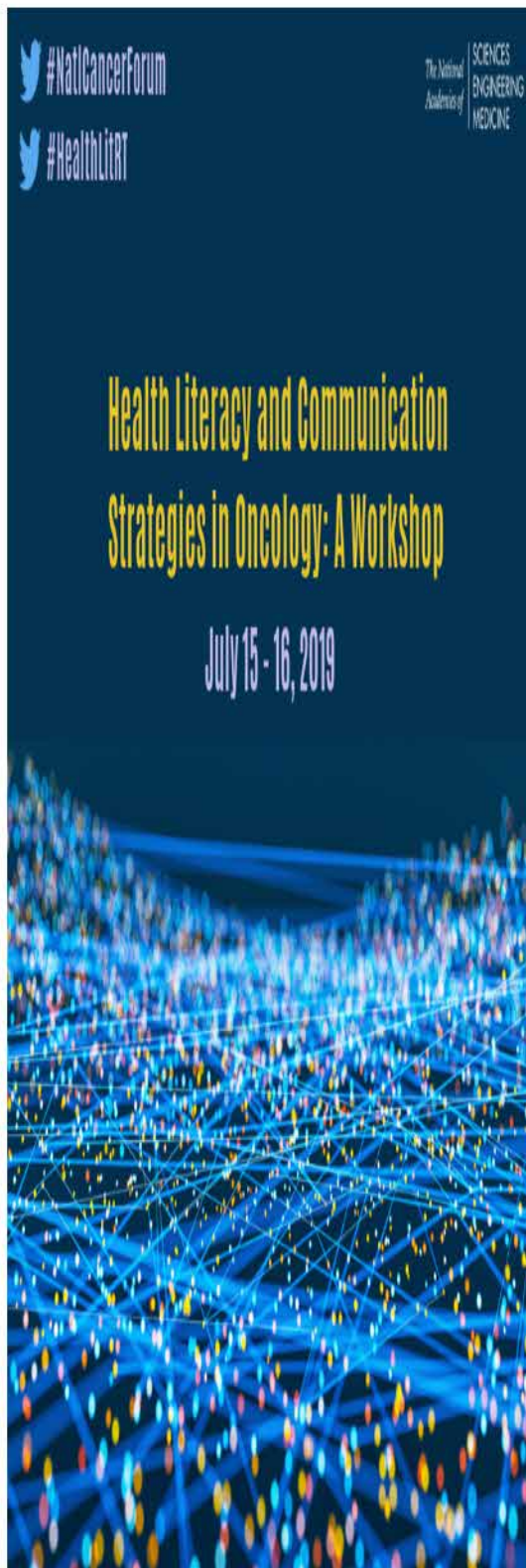


#OpioidRXGuidelines



#OpioidRXGuidelines

**Health Literacy and Communication Strategies in Oncology: A
Workshop**



Date: July 15 - 16, 2019 (8:00 AM Eastern)

Location: Keck Center, 500 Fifth St. NW,
Washington, D.C. 20001

[Register here](#) (Webcast available)

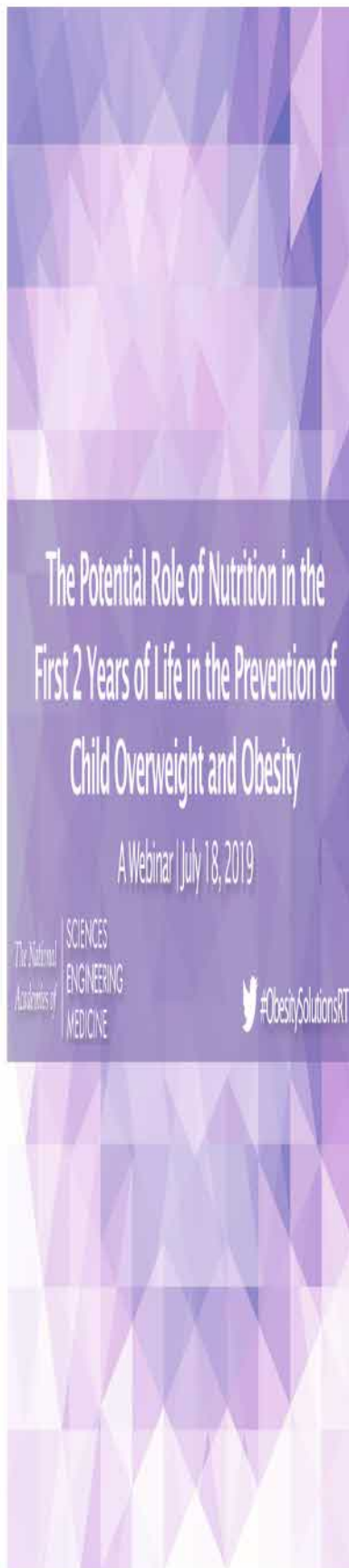


#NatlCancerForum



#HealthLitRT

The Potential Role of Nutrition in the First 2 Years of Life in the Prevention of Child Overweight and Obesity: A Webinar



Date: July 18, 2019 (12:00 PM Eastern)

Location: Virtual

[Register here](#)



#ObesitySolutionsRT

From: Thevenon, Audrey
Sent: 15 Jan 2020 22:10:19 +0000
To: Anthony Huszar;Anwar Nasim;Claire Standley;David Hayman;Erum Khan;Guy Palmer;Janet Hemingway;Ijaz, Kashef (CDC/DDPHSIS/CGH/DGHP);Lisa Conti;Patricia Conrad;Peter Rabinowitz;Zabta Shinwari;Newman, Robert
Cc: Young, Kossana
Subject: Updates on the Fellowship Program - We are back!

Dearest Committee Members,

It's never too late to wish you a Happy New Year!!! This past year has been quite eventful and I am looking forward to another productive year, though...

I do have a lot to share concerning the One-health Fellowship program but I will keep this initial email short to focus a few "highlights of the year" and one time-sensitive action on your part: timing of the next/last workshop (see 3.).

Briefly,

1. We had a bumpy start of 2019:
 - a. Due to the shutdown, all Fellows' travels to their host institutions were significantly delayed for 2 to 4 months.
 - b. In February, our Sponsors announced that two fellows, Dr. (b)(6) and Dr. (b)(6) could no longer be part of the fellowship – We have not been told why – With Zabta's help, we were able to explain Dr. (b)(6) and Dr. (b)(6) that the decision was out of our control and not related to their performance or the quality of their research, but it was heartbreaking and distressful.
 - c. Probably the most important piece of news for this group is that Lida is no longer working on this project since last May. She has been on leave since then but please know that she is doing well ;-)
2. BUT we accomplished a lot in 2019!
 - a. All fellows made tremendous progress toward the accomplishment of their research projects both in Pakistan and in collaboration with their hosts. Pat, Anthony (thank you so much) and I visited the fellows at their host institutions and were extremely pleased with the training programs and overall congeniality.
 - b. All fellows presented their research at a One-Health Research Symposium organized by the PAS when I visited in November. During this trip, we also strengthened our relationship with the NIH-Pakistan and HEC. This will be the topic of a longer discussion about the sustainability of the fellowship program beyond this round.
 - c. Dr. Mughal already presented his work at the International Society of Virology in Ghent in Oct 2019. Other fellows are applying to conferences in 2020 including the World One-Health Congress.
 - d. While it took 8 months, we successfully hired a financial/admin staff at PAS (Ms. Fouzia Mirza) for 4 months and wired 14,500\$ per fellows for research supplies. I was able to find some money laying around in past awards and convinced our Sponsor to use it for this program – All of this happened in the last weeks of December and without Fouzia this would not have happened.

- e. While this program has not been renewed (yet ;-), I was successful in getting a No-Cost-Extension. The new end date for this project is Dec 31, 2020. I am still actively trying to find ideas to either proposed a smaller project to act as a bridge between funding opportunities or find another sponsor. I welcome any thoughts!
 - f. We have a new Senior Program Assistant! Joanna left us in October 2018 but Ms. Kossana Young, cc:ed to this email, started to work on this project last month. I am very excited to have Kossana joining our team of now two people! Kossana has been working on my Board (BLS) for over a year and is absolutely incredible. I can't wait for you to meet her.
3. **We need to find a date for the next/last meeting in (hopefully) Kenya:**
Please complete the following survey highlighting what dates you will be free in May/June for the One Health Research Symposium. We would like to get a secured date on the calendar as soon as possible to ensure prompt time for planning. Please respond to this survey by **Friday, January 24** if at all possible.
Survey: <https://doodle.com/poll/c4qzr4rsgmz3xwt8>

Thank you all for your patience this past year... and I truly apologize for my lack of committee-wide communication. Here is to 2020!

Warmly,
Audrey

Audrey D. Thévenon, PhD
Program Officer
Board on Life Sciences
Managing Editor
ILAR Journal

The National Academies of Sciences, Engineering, and Medicine
500 Fifth Street, NW - K642
Washington, DC 20001
Ph: 202-334-2814 | athevenon@nas.edu
<http://www.nationalacademies.org/>

From: Martin, Anna W.
Sent: 5 Feb 2020 21:11:38 +0000
Subject: WEBCAST INFO: February 6 Workshop on Co-Creating and Keeping Inclusive Healthy Places

Hello!

Thank you for registering to attend the February 6 workshop webcast on *Co-Creating and Keeping Inclusive Healthy Places*.

JOINING THE WEBCAST

- On the day of the event, visit the workshop webpage here: <https://bit.ly/2vTumOo> and click on the play button on the black screen;
- The webcast stream will begin.
- Attendee materials, including the finalized agenda and speaker biosketches, will be available on the webpage on the day of the event.
- ***Details on the virtual breakout group exercise are available on the workshop webpage, if you wish to participate.***

Thank you for your interest!

—National Academies Staff

From: National Academies
Sent: 31 Dec 2019 15:38:13 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Welcome to Updates from the National Academies!

[View this email in your browser](#)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Welcome to Updates from the National Academies!

Hello! This is the first update you'll get from us in your email. More is coming your way: new releases, special offers, and news from the National Academies. You can [read more about what to expect here](#).

Let us know what topics you want to hear about so that the emails we send you can be better tailored to your tastes. These are the topics that youâ€™re subscribed to now:

â€¢ Health and Medicine â€¢

If thatâ€™s too much or not enough, tell us what youâ€™re interested in:

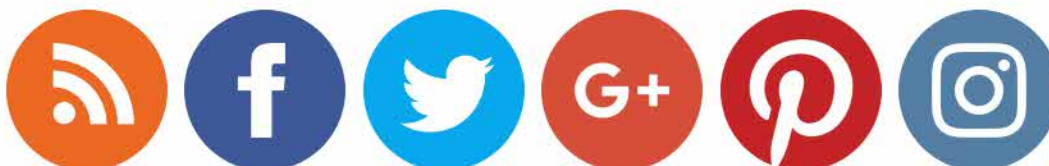
[Set Your Preferences Now »](#)

You can change these preferences or unsubscribe any time in the links at the bottom of every email we send out. Pure and simple: we only want to send you email if you want to hear from us.

Thanks again for your interest! Stay tuned for more emails from the National

Academies of Sciences, Engineering, and Medicine. If you're ready to get going before the next email shows up, find out how to [get started on our publications site](#), or [take a look at our newest titles](#).

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press.

[Update My Preferences](#)

[Unsubscribe](#)

Copyright Å© 2019 National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: National Academies
Sent: 3 Jan 2020 23:02:07 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Welcome! Take full advantage of our publications website

[View this email in your browser](#)

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

Welcome! Now that you're on our list, we'll be sending you a few emails about how to navigate NASEM publications. If you'd like to stop getting emails like this, click the link at the bottom of this email.

Our publications website, NAP.edu, is designed to give you easy access to our publications and research tools. To make sure you're getting the most out of these features, here are some tips on how best to navigate and take full advantage of the thousands of publications available from the National Academies.

Download Full Reports for Free

All titles from the National Academies Press are available to download for free in their entirety as PDFs. Just log in (you can always log in as a guest), and you have thousands of publications ready to download and read.

[Find out more about our free PDFs >>](#)

Read Full Reports Online

If you don't want to download PDFs, you can also read our publications online in their entirety. On any title's main page, click "Read Online" to get started.

From there, you can navigate from one chapter to another or search inside the book. You can share any page or chapter by copying the link.

[Get more info about reading online >>](#)

Search Our Titles By Year or Division

Our titles are all searchable by the full text of the publication. The search box appears on the home page, on its own page, or in the box at the top of any page on our site. Within the search results, you can filter by the year it was released, the primary topic of the publication, or the division of the National Academies that produced it.

[See more about searching NAP.edu >>](#)

Browse Through Topics, Divisions, Collections and More

If searching doesn't bring up what you're looking for, we have a number of ways to browse our titles.

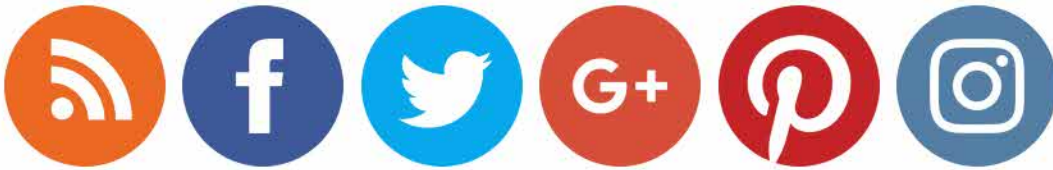
- [Topics pages](#) show all of our publications by topic and subtopic, with the newest titles first, and the most-downloaded titles featured on the first page.
- [Collections](#) are lists of titles organized by subject area, chosen by our staff.
- Look over the [publications listed by contributing division](#) of the National Academies.

Log In To Start Your Personal Research Collection

Our login section, called MyNAP, allows you to save bookmarks for any publications available to read online, including personal notes for any page you bookmark. You can save any publication into a list for later reference, and you can see your history of downloaded and purchased titles.

[Read more about using MyNAP >>](#)

CONNECT WITH US



YOUR EMAIL PREFERENCES

You are receiving this e-mail because you signed up at NAP.edu to receive updates on new publications from the National Academies Press.

[Update My Preferences](#)

[Unsubscribe from all emails](#)

[Stop getting these Welcome emails](#)

National Academies Press.

National Academies Press
500 Fifth St. NW
Washington, DC 20001

[Add us to your address book](#)

From: Environmental Health Matters Initiative
Sent: 6 Feb 2019 16:05:57 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Winter 2019 Newsletter • Environmental Health Matters Initiative

[View this email in your browser](#)



Environmental Health Matters Initiative



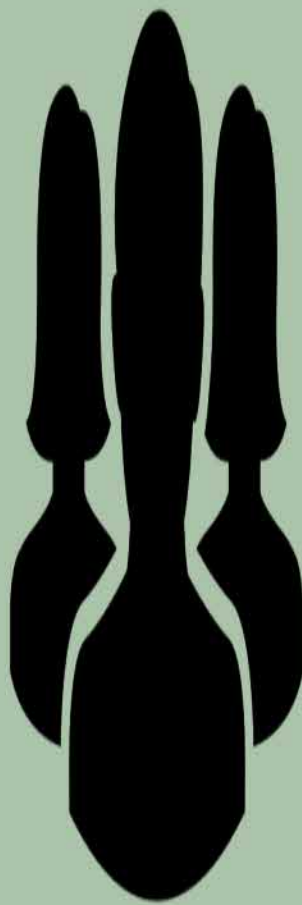
The big problems in environmental health can't be solved by one sector. The [Environmental Health Matters Initiative \(EHMI\)](#) engages experts from across disciplines in exploring the complexity of environmental health challenges and actions needed to address them.

Our February newsletter introduces you to our newly announced EHMI committee and shares ongoing and recent work that we're doing in Environmental Health across the National Academies.

[Committee](#) | [Upcoming Events](#) | [Active Projects](#) | [Report Spotlight](#)
[Social Media](#) | [Did You Know?](#) | [Additional Information](#)

Committee

In January, the EHMI appointed a new steering committee. The members of this multidisciplinary committee—who serve as volunteers—were selected for their vision, and experience in an array of fields and sectors.



[View Full Committee Roster & Bios](#)

Upcoming Events

Upcoming Events

NASEM workshops, webcasts, and symposia

[Climate Resilient Pathways and Social Science Research to Action](#)

February 7, 2019

Washington, DC & via Webcast

[Strengthening Sustainability Programs at the Undergraduate and Graduate Levels: A W](#)

February 13, 2019

Washington, DC

[Setting Priorities for Health, Social, and Economic Disruptions from Spills in Alaska](#)

February 20-21, 2019

Anchorage, AK

[The Promise of Single Cell and Single Molecule Analysis Tools to Advance Environmental Health Research](#)

March 7-8, 2019

Washington, DC & via Webcast

[Long-Term Health Monitoring Following Nuclear and Radiological Emergencies](#)

March 12-13, 2019

Washington, DC & via Webcast

[Evidence Integration in Chemical Assessments: Challenges Faced in Developing and Communicating Human Health Effect Conclusions](#)

March 28-29, 2019

Washington, DC & via Webcast

[Mid-Atlantic Oil Spill: Are We Ready?](#)

March 29, 2019

Virginia Beach, VA

[Lifesavers Conference 2019](#)

March 31-April 2, 2019

Louisville, KY

*Additional events are actively being scheduled.

Featured Event

The Promise of Single Cell and Single Molecule Analysis Tools to Advance Environmental Health Research

An Emerging Science for Environmental Health Decisions Workshop

March 7-8, 2019

#ESEHDWorkshop

*The National
Academies of* | SCIENCES
ENGINEERING
MEDICINE

Sponsored by the National Institute of Environmental Health Sciences, this workshop will examine new technologies that can assay each cell's DNA, RNA, proteins, and metabolites and imaging tools that map cell contents and their molecular interactions. These tools promise new insight on the differences in function between individual cells and molecules, organization and timing of responses to stimuli, how cells interact as components of a complex system, and how these interactions may change with age, disease, and exposure to environmental stressors.

This workshop will also explore the current status of this rapidly evolving field of study, review the preliminary use of single cell and single molecule analysis tools in environmental health studies, and investigate the resources needed to make the data generated most useful to

biomedical and public health fields and to regulatory decision makers.

**Register
Now**

Active Projects

New Study



Owens Lake Scientific Advisory Panel: Evaluating the Effectiveness of Alternative Dust Control Methods

The Owens Lake Scientific Advisory Panel (OLSAP) provides advice on the reduction of airborne dust in the Owens Valley in California. The panel reviews scientific and technical information related to the research, development, and implementation of waterless and low-water use

best available control measures and other approaches to reduce dust in the Owens Valley, California. OLSAP's first task is to evaluate the effectiveness of alternative dust control measures for their degree of particulate matter reduction at the Owens Lake bed and to reduce use of water in controlling dust emissions from the dried lake bed.

[View more information about this study](#)

Additional Projects

- [Management of Legionella in Water Systems](#)
- [Evaluation of the Use of Chemical Dispersants in Oil Spill Response](#)
- [Disposal of Surplus Plutonium in the Waste Isolation Pilot Plant](#)
- [Review of DoD's Proposed Occupational Exposure Limits for Lead](#)
- [Advice to the US Global Change Research Program](#)
- [Review of DoD's Occupational Exposure Limit for TCE \(Vapor Intrusion\)](#)

*View additional active projects [here](#).

New Publications



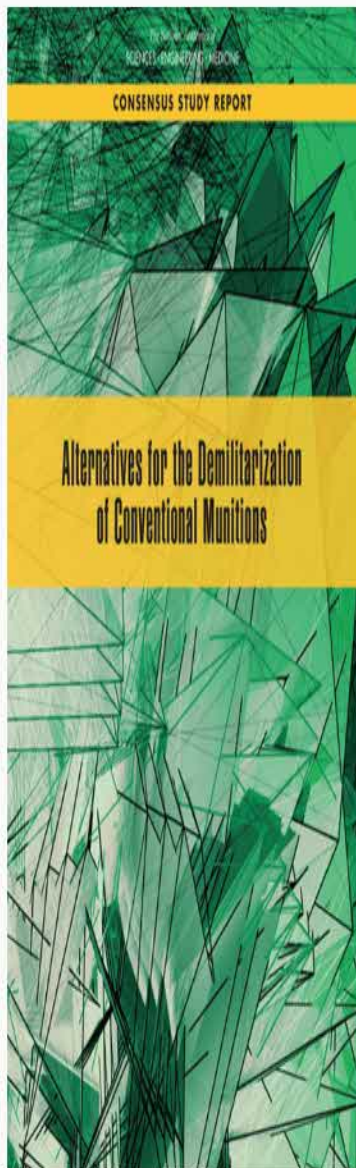
Environmental Engineering for the 21st Century: Addressing Grand Challenges

[*Environmental Engineering for the 21st Century: Addressing Grand Challenges*](#) outlines the critical role for environmental engineers in this period of dramatic growth and change. The report identifies five pressing challenges of the 21st century that environmental engineers are uniquely poised to help advance: sustainably supply food, water, and energy; curb climate change and adapt to its impacts; design a future without pollution and waste; create efficient, healthy, resilient cities; and foster informed decisions and actions.



Video:

Engineering for the 21st Century: Addressing Grand Challenges



Alternatives for the Demilitarization of Conventional Munitions

Alternatives for the Demilitarization of Conventional Munitions reviews the current conventional munitions demilitarization stockpile and analyzes existing and emerging disposal, treatment, and reuse technologies. This report identifies and evaluates any barriers to full-scale deployment of alternatives to OB/OD or non-closed loop incineration/combustion, provides recommendations to overcome such barriers.

The National
Academies of

SCIENCES
ENGINEERING
MEDICINE

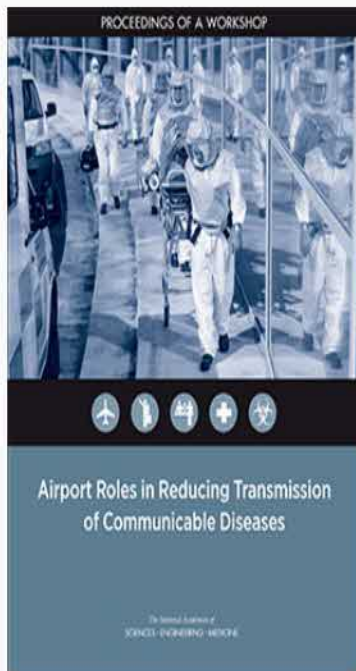
Alternatives for the Demilitarization of Conventional Munitions

Download the full report [here](#)

#MunitionsDisposal

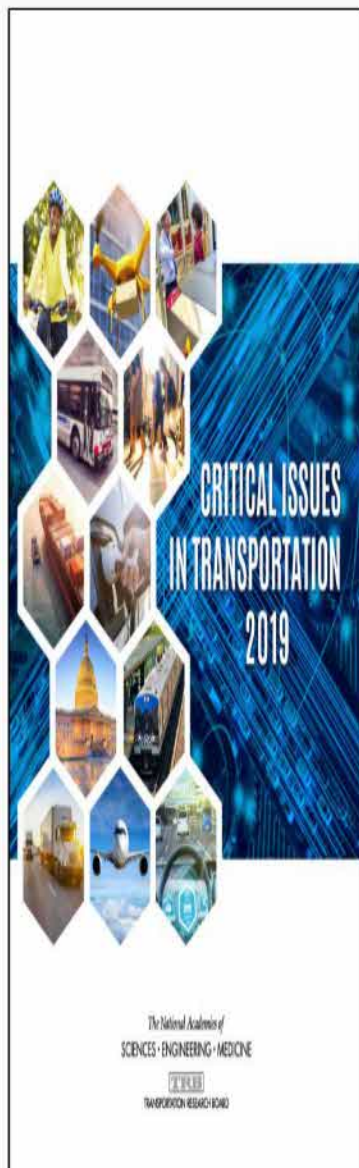
Release Webinar Video:

Alternatives for the Demilitarization of Conventional Munitions



port Roles in Reducing Transmission of Communicable Diseases

[*port Roles in Reducing Transmission of Communicable Diseases*](#) summarizes a 2-day [Workshop](#) convened by the Airport Cooperative Research Program and its Insight Factor, Eastern Research Group, Inc., March 6 and 7, 2018, in Washington, D.C. The workshop addressed four subtopics: risk management, stakeholders, communications, and organizational structure. Discussions centered on the roles of airports in reducing transmission of communicable diseases. Speakers represented the federal government, domestic and international airports, local public health agencies, an international aviation organization, and the Centers for Disease Control and Prevention. The conference proceedings focused largely on strategies, best practices, and recommendations that pertain specifically to airports and transmission of communicable diseases, as identified by the invited speakers.



Critical Issues in Transportation 2019

is [report](#), which is updated periodically by the Transportation Research Board 3) Executive Committee, a series of challenging questions are posed to explore issues opportunities that may arise 10 to 20 years into the future. These questions have been nized into 12 topic areas and provide a way to frame future areas of research, policy ysis, and debate. Critical issues identified in this report deserve attention because of portation's central role in serving individuals and society. This document serves to pen society's collective understanding of transportation and its ramifications, while ming decisions by individual citizens and officials in both the public and private sectors. issues have been identified and documented from a U.S. perspective, and are also mon across developed nations.

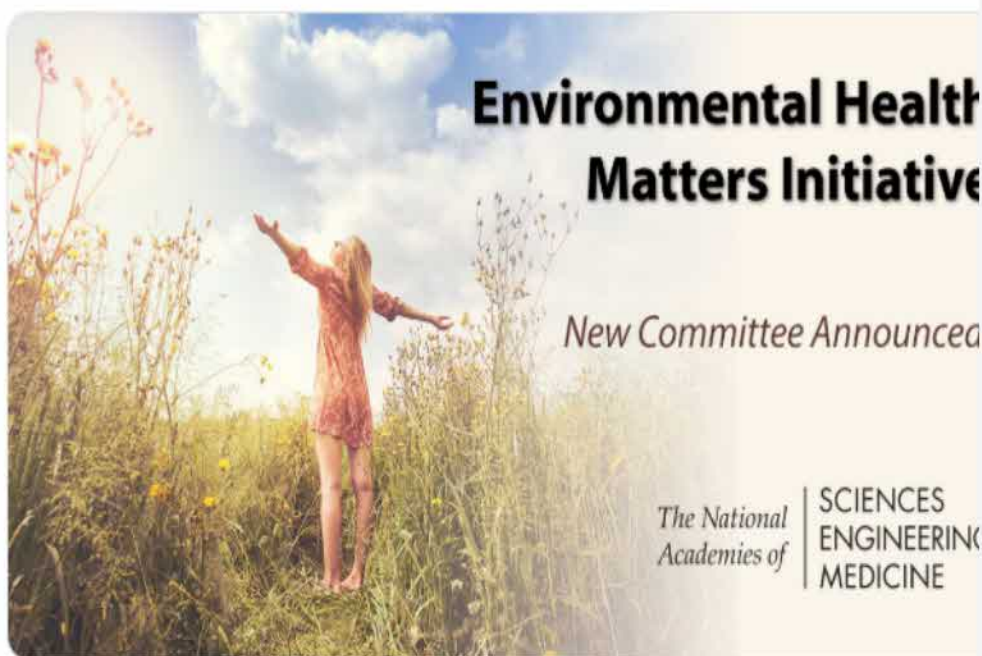
Social Media



NASEM Environmental Health

@NASEM_EnvHealth

New #EnviroHealthMatters Committee Announced! Check out the full roster of #environmentalhealth experts: nas-sites.org/envirohealthma ...



1:26 PM - 23 Jan 2019

6 Retweets 5 Likes



Did You Know?



Kids who drink fluoridated water have fewer cavities. Currently, nearly 70 percent of Americans live in communities that add fluoride to drinking water.

Fluoride adding to drinking water helps prevent tooth decay and provides protection to everyone in the community.

Though some express concern that adding fluoride to drinking water causes health problems, fluoridation is one of the most frequently studied public health issues, both in the United States and abroad. To date, all studies show that fluoridation of drinking water is a safe and economical contribution to dental health. [Read more.](#)

From: NASEM Earth and Life Studies
Sent: 16 Jan 2019 16:01:38 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Workshop and Webcast on Single Cell and Single Molecule Analysis Tools in Environmental Health Research

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

EMERGING SCIENCE FOR
ENVIRONMENTAL HEALTH DECISIONS

Workshop
**The Promise of Single Cell and Single
Molecule Analysis Tools to Advance
Environmental Health Research**
An Emerging Science for Environmental Health Decisions

Workshop

March 7-8, 2019

Washington, D.C., and via webcast



**Register to attend in-person or via
webcast**

March 7-8, 2019

National Academies of Sciences, Engineering, and Medicine

NAS Building

East Room (3/7) & Lecture Room (3/8)

2101 Constitution Avenue NW

Washington, DC 20418

Register now to join a free workshop, organized by the [Standing Committee on the Use of Emerging Science in Environmental Health Decisions](#), on the promise of single cell and single molecule analysis tools in environmental health research.

How similar are the cells within a particular tissue? Most analytical tools study cells and their molecular contents in bulk, providing information about the average cell and molecular complexes. Now, emerging findings suggest these traditional approaches could miss important differences between the cells in a sample, rare cell types like cancer stem cells or drug-resistant bacteria, and the opportunity to capture a cell in a fleeting transitional state.

Over the past decade, new single cell and single molecule analysis tools have led to advances that isolate single cells, technologies that can assay each cell's DNA, RNA, proteins, and metabolites, and imaging tools that map cell contents and their molecular interactions. These tools promise new insight on the differences in function between individual cells and molecules, the organization and timing of responses to stimuli, how cells interact as components of a complex system, and how these interactions may change with age, disease, and exposure to environmental stressors.

This workshop will explore the current status of this rapidly evolving field of study, review the preliminary use of single cell and single molecule analysis tools in environmental health studies, and investigate the resources needed to make the data generated most useful to the biomedical and public health fields and to regulatory decision makers. Please join us!



Forward this
email



Shar
e



Twee
t



Shar
e

You are receiving this email because you subscribed for updates from the Emerging Science for Environmental Health Decisions project, the Board on Life Sciences, or the Board on Environmental Studies and Toxicology. [Manage your subscription preferences here.](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this email because you opted in to the Division on Earth and Life Studies email list.

Our mailing address is:

National Academy of Sciences
500 Fifth Street NW
Washington, DC 20001

[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)

From: NASEM Emerging Science for Environmental Health Decisions
Sent: 10 Jan 2019 18:12:44 +0000
To: Richter, Patricia (CDC/DDPHSIS/CGH/DGHP)
Subject: Workshop and Webcast: Environmental Stressors, Infectious Disease, and Human Health

[View this email in your browser](#)

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

EMERGING SCIENCE FOR
ENVIRONMENTAL HEALTH DECISIONS

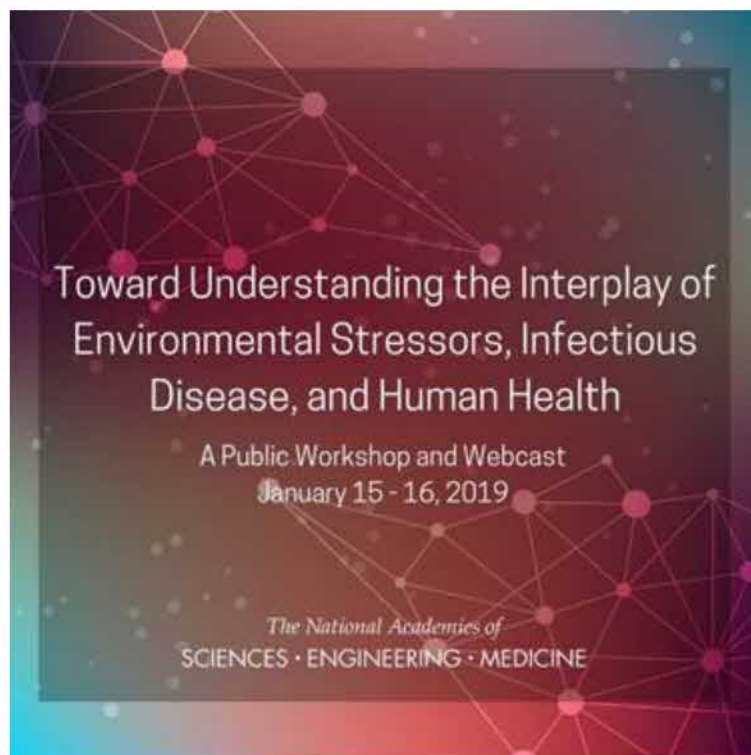
Workshop
**Toward Understanding the Interplay of
Environmental Stressors, Infectious Disease,
and Human Health**

An Emerging Science for Environmental Health Decisions

Workshop

January 15-16, 2019

Washington, D.C., and via webcast



**Register to
attend**

Download [agenda](#) (PDF)

View the [workshop webpage](#)

There's still time to register to join [a free workshop](#) to explore the relationship between chemical pollution in the environment and human health.

Infectious diseases are among the top five leading causes of death worldwide. What factors contribute to the spread of infectious disease? How do those factors contribute to patterns of disease emergence or re-emergence? Answers to these questions are critical for protecting human health.

Scientists have long known that the environment plays a defining role in the spread of infectious disease. For example, flooding could increase the populations of mosquitoes that carry malaria. Could environmental stressors also play a role in human susceptibility to infection? Emerging findings suggest that environmental pollutants such as heavy metals, pesticides, and airborne particulate matter may weaken the immune system. Emerging evidence also suggests that exposure to some pollutants may reduce vaccine effectiveness. But, environmental health, the study of the effect of the environment on human health, is rarely combined with the study of infectious diseases. Research on the interplay between these fields could inform new health practices, public health research, and public health policy.

This workshop will bring together infectious disease, global public health, toxicology, environmental epidemiology, and science policy experts to explore the growing body of research on the links between environmental stressors, infectious disease, and human health. The workshop will feature presentations, panel discussions, and breakout sessions to engage scientists and decision makers in this important, cross-disciplinary issue.



Forward this
email



Shar
e



Twee
t



Shar
e

You are receiving this email because you subscribed for updates from the Emerging Science for Environmental Health Decisions project. [Manage your subscription preferences here.](#)

Copyright © 2019 National Academy of Sciences, All rights reserved.

You are receiving this email because you opted in to the Division on Earth and Life Studies email list.

Our mailing address is:

National Academy of Sciences
500 Fifth Street NW
Washington, DC 20001

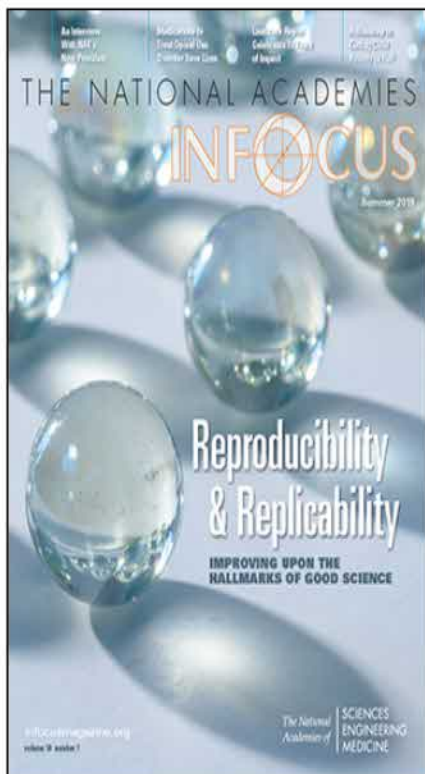
[Add us to your address book](#)

[unsubscribe from this list](#) [update subscription preferences](#)

From: In Focus magazine
Sent: 5 Aug 2019 11:34:24 -0400
To: INFOCUSMEMBERS@LSW.NAS.EDU
Subject: Your new issue of The National Academies In Focus

If you have trouble reading this e-mail,
you can read the magazine on the Web at <http://infocusmagazine.org>

In Focus Magazine
Vol. 18 Number 1
Summer 2019



Dear Academies Colleague:

The newest issue of *The National Academies In Focus* — the official magazine of the National Academies of Sciences, Engineering, and Medicine — is now available. Featuring a broad selection of topics, this issue's contents are listed below.

A PDF file of the issue, as well as back issues, can be found [online](http://infocusmagazine.org).

RECENT RELEASES

- In the Struggle Against Addiction, Medications to Treat Opioid Use Disorder Save Lives
- Child Poverty in the United States — A roadmap to cutting child poverty in half
- Biotech Trees — Weighing a new weapon against forest pests
- New Study Confirms Classification of Red Wolf and Mexican Gray Wolf
- Reproducibility and Replicability in Research
- The Future of the Interstates — Investing in a modernized Interstate Highway System
- Time for Encryption to Take a Quantum Leap — Preparing for a future with quantum computing

OTHER NEWS

- *Interview:* John L. Anderson Discusses His New Role as the National Academy of Engineering's President
- *20/20:* Landmark Report on Forensic Science Celebrates 10 Years of Impact
- *International Collaborations:* The Urgent Need for a Global Framework to Guide Clinical Use of Heritable Genome Editing
- *Community Outreach:* The National Academies Host Family Science Day
- *Celebrating Excellence in Science:* NAS Honors 10 U.S. Nobel and Kavli Prize Laureates
- *Moving From Evidence to Action:* New Action Collaborative Formed to Spur Systemic Change to Prevent Sexual Harassment

Any inquiries/comments can be sent to infocusmagazine@nas.edu.

#####

To unsubscribe from the INFOCUSMEMBERS list, click the following link:
<http://forums.nas.edu/scripts/wa.exe?TICKET=NzM3MzA2IGtpbDZAQ0RDLkdPVlBJTkZPQ1VTTUVNQkVSU7KpNiLd38kZ&c=SIGNOFF>