

## Shepard Science Award

### Bibliography of Finalists Papers

**Note 1.** This bibliography was generated from the currently available MEDLINE bibliographic citation records (BCR). This means that some bibliographic information—such as the full authors' names, volume, issue, or page numbers—might not yet be available, because of the indexing process.

### **Assessment (18)**

- Guang X. Chen, W. Karl Sieber, James W. Collins, Edward M. Hitchcock, Jennifer E. Lincoln, Stephanie G. Pratt, and Marie H. Sweeney  
**Truck driver reported unrealistically tight delivery schedules linked to their opinions of maximum speed limits and hours-of-service rules and their compliance with these safety laws and regulations**  
Safety Science. 2021; 133: p. 105003.
- Jiajia Chen, Shanna Cox, Elena V Kuklina, Cynthia Ferre, Wanda Barfield, and Rui Li  
**Assessment of Incidence and Factors Associated With Severe Maternal Morbidity After Delivery Discharge Among Women in the US**  
Network Open. 2021; 4(2): p. e2036148.
- Emily J Curren, Manjunath B Shankar, Marc Fischer, Martin I Meltzer, Staples J Erin, and Carolyn V Gould  
**Cost-Effectiveness and Impact of a Targeted Age- and Incidence-based West Nile Virus Vaccine Strategy**  
Clinical Infectious Diseases. 2021; 73(9): p. 1565-1570.
- Leora R Feldstein, Mark W Tenforde, Kevin G Friedman, Margaret Newhams, Erica Billig Rose, Heda Dapul, Vijaya L Soma, Aline B Maddux, Peter M Mourani, Cindy Bowens, Mia Maamari, Mark W Hall, Becky J Riggs, John S Giuliano, Jr., Aalok R Singh, Simon Li, Michele Kong, Jennifer E Schuster, Gwenn E McLaughlin, Stephanie P Schwartz, Tracie C Walker, Laura L Loftis, Charlotte V Hobbs, Natasha B Halasa, Sule Doymaz, Christopher J Babbitt, Janet R Hume, Shira J Gertz, Katherine Irby, Katharine N Clouser, Natalie Z Cvijanovich, Tamara T Bradford, Lincoln S Smith, Sabrina M Heidemann, Sheemon P Zackai, Kari Wellnitz, Ryan A Nofziger, Steven M Horwitz, Ryan W Carroll, Courtney M Rowan, Keiko M Tarquinio, Elizabeth H Mack, Julie C Fitzgerald, Bria M Coates, Ashley M Jackson, Cameron C Young, Mary Beth F Son, Manish M Patel, Jane W Newburger, Adrienne G Randolph, and Covid-Investigators Overcoming  
**Characteristics and Outcomes of US Children and Adolescents With Multisystem Inflammatory Syndrome in Children (MIS-C) Compared With Severe Acute COVID-19**  
Journal of the American Medical Association. 2021; 325(11): p. 1074-1087.
- Edward M Fisher, Michael R Kuhlman, Young W Choi, Traci L Jordan, and Michelle Sunderman  
**Persistence of SARS-Co-V-2 on N95 filtering facepiece respirators: implications for reuse**

Journal Occupational and Environmental Hygiene. 2021; 18(12): p. 570-578.

- Kristin M Holland, Christopher Jones, Alana M Vivolo-Kantor, Nimi Idaikkadar, Marissa Zwald, Brooke Hoots, Ellen Yard, Ashley D'Inverno, Elizabeth Swedo, May S Chen, Emiko Petrosky, Amy Board, Pedro Martinez, Deborah M Stone, Royal Law, Michael A Coletta, Jennifer Adjemian, Craig Thomas, Richard W Puddy, Georgina Peacock, Nicole F Dowling, and Debra Houry  
**Trends in US Emergency Department Visits for Mental Health, Overdose, and Violence Outcomes Before and During the COVID-19 Pandemic**  
JAMA Psychiatry. 2021; 78(4): p. 372-379.
- Michael A Johansson, Talia M Quandelacy, Sarah Kada, Pragati Venkata Prasad, Molly Steele, John T Brooks, Rachel B Slayton, Matthew Biggerstaff, and Jay C Butler  
**SARS-CoV-2 Transmission From People Without COVID-19 Symptoms**  
JAMA Network Open. 2021; 4(1): p. e2035057.
- Lyudmyla Kompaniyets, Nickolas T Agathis, Jennifer M Nelson, Leigh Ellyn Preston, Jean Y Ko, Brook Belay, Audrey F Pennington, Melissa L Danielson, Carla L DeSisto, Jennifer R Chevinsky, Lyna Z Schieber, Hussain Yusuf, James Baggs, Kenzie William R Mac, Karen K Wong, Tegan K Boehmer, Adi V Gundlapalli, and Alyson B Goodman  
**Underlying Medical Conditions Associated With Severe COVID-19 Illness Among Children**  
JAMA Network Open. 2021; 4(6): p. e2111182.
- Lyudmyla Kompaniyets, Audrey F Pennington, Alyson B Goodman, Hannah G Rosenblum, Brook Belay, Jean Y Ko, Jennifer R Chevinsky, Lyna Z Schieber, April D Summers, Amy M Lavery, Leigh Ellyn Preston, Melissa L Danielson, Zhaohui Cui, Gonza Namulanda, Hussain Yusuf, Kenzie William R Mac, Karen K Wong, James Baggs, Tegan K Boehmer, and Adi V Gundlapalli  
**Underlying Medical Conditions and Severe Illness Among 540,667 Adults Hospitalized With COVID-19, March 2020-March 2021**  
Preventing Chronic Disease. 2021; 18: p. E66.
- Ruowei Li, Julie Ware, Aimin Chen, Jennifer M. Nelson, Jennifer M. Kmet, Sharyn E. Parks, Ardythe L. Morrow, Jian Chen, and Cria G. Perrine  
**Breastfeeding and post-perinatal infant deaths in the United States, A national prospective cohort analysis**  
The Lancet Regional Health - Americas. 2022; 5: p. 100094.
- Kathleen M Navarro, Molly R West, Katelyn O'Dell, Paro Sen, I-Chen Chen, Emily V Fischer, Rebecca S Hornbrook, Eric C Apel, Alan J Hills, Alex Jarnot, Paul DeMott, and Joseph W Domitrovich  
**Exposure to Particulate Matter and Estimation of Volatile Organic Compounds across Wildland Firefighter Job Tasks**

Environmental Science Technology. 2021; 55(17): p. 11795-11804.

- Amanda B Payne, Zunera Gilani, Shana Godfred-Cato, Ermias D Belay, Leora R Feldstein, Manish M Patel, Adrienne G Randolph, Margaret Newhams, Deepam Thomas, Reed Magleby, Katherine Hsu, Meagan Burns, Elizabeth Dufort, Angie Maxted, Michael Pietrowski, Allison Longenberger, Sally Bidol, Justin Henderson, Lynn Sosa, Alexandra Edmundson, Melissa Tobin-D'Angelo, Laura Edison, Sabrina Heidemann, Aalok R Singh, John S Giuliano, Jr., Lawrence C Kleinman, Keiko M Tarquinio, Rowan F Walsh, Julie C Fitzgerald, Katharine N Clouser, Shira J Gertz, Ryan W Carroll, Christopher L Carroll, Brooke E Hoots, Carrie Reed, F Scott Dahlgren, Matthew E Oster, Timmy J Pierce, Aaron T Curns, Gayle E Langley, Angela P Campbell, Incidence Authorship Group Mis-C, Neha Balachandran, Thomas S Murray, Cole Burkholder, Troy Brancard, Jenna Lifshitz, Dylan Leach, Ian Charpie, Cory Tice, Susan E Coffin, Dana Perella, Kaitlin Jones, Kimberly L Marohn, Phoebe H Yager, Neil D Fernandes, Heidi R Flori, Monica L Koncicki, Karen S Walker, Pentima Maria Cecilia Di, Simon Li, Steven M Horwitz, Sunanda Gaur, Dennis C Coffey, Ilana Harwayne-Gidansky, Saul R Hymes, Neal J Thomas, Kate G Ackerman, and Jill M Cholette  
**Incidence of Multisystem Inflammatory Syndrome in Children Among US Persons Infected With SARS-CoV-2**  
JAMA Network Open. 2021; 4(6): p. e2116420.
- Linda C Pimentel, Alicia C May, John K Iskander, Ronald E Banks, and John D Gibbins  
**Assessment of One Health Knowledge, Animal Welfare Implications, and Emergency Preparedness Considerations for Effective Public Health Response**  
Public Health Reports. 2021: p. 333549211047234.
- Bryan Stierman, Cynthia L Ogden, Jack A Yanovski, Crescent B Martin, Neda Sarafrazi, and Craig M Hales  
**Changes in adiposity among children and adolescents in the United States, 1999-2006 to 2011-2018**  
American Journal of Clinical Nutrition. 2021; 114(4): p. 1495-1504.
- Nicola D Thompson, Nimalie D Stone, Cedric J Brown, Austin R Penna, Taniece R Eure, Wendy M Bamberg, Grant R Barney, Devra Barter, Paula Clogher, Malini B DeSilva, Ghinwa Dumyati, Linda Frank, Christina B Felsen, Deborah Godine, Lourdes Irizarry, Marion A Kainer, Linda Li, Ruth Lynfield, J P Mahoehney, Meghan Maloney, Joelle Nadle, Valerie L S Ocampo, Rebecca Pierce, Susan M Ray, Sarah Shrum Davis, Marla Sievers, Krithika Srinivasan, Lucy E Wilson, Alexia Y Zhang, and Shelley S Magill  
**Antimicrobial Use in a Cohort of US Nursing Homes, 2017**  
Journal of the American Medical Association. 2021; 325(13): p. 1286-1295.
- Wendy A Wattigney, Sanghamitra S Savadatti, Ming Liu, Marian Pavuk, Elizabeth Lewis-Michl, Kurunthachalam Kannan, Wei Wang, Henry Spliethoff, Lydia Marquez-Bravo, and Syni-An Hwang  
**Biomonitoring of per- and polyfluoroalkyl substances in minority angler communities in central New York State**  
Environmental Research. 2022; 204(Pt C): p. 112309.
- Hannah K Weir, Trevor D Thompson, Sherri L Stewart, and Mary C White

**Cancer Incidence Projections in the United States Between 2015 and 2050**

Preventing Chronic Disease. 2021; 18: p. E59.

- Hayley D Yaglom, Gavriella Hecht, Andrew Goedderz, Daniel Jasso-Selles, Jennifer L Ely, Irene Ruberto, Jolene R Bowers, David M Engelthaler, and Heather Venkat  
**Genomic investigation of a household SARS-CoV-2 disease cluster in Arizona involving a cat, dog, and pet owner**  
One Health. 2021; 13: p. 100333.

## **Data Methods and Study Design (17)**

- Aziza Arifkhanova, Kraus Emily McCormick, Alia Al-Tayyib, Julie Taub, Annette Encinias, Dean McEwen, Arthur Davidson, and Judith C Shlay  
**Estimating costs of hospitalizations associated with opioid use disorder or opioid misuse at a large, urban safety-net hospital-Denver, Colorado, 2017**  
Drug Alcohol Dependence. 2021; 218: p. 108306.
- Andrew F Auld, Andrew D Kerkhoff, Yasmeen Hanifa, Robin Wood, Salome Charalambous, Yuliang Liu, Tefera Agizew, Anikie Mathoma, Rosanna Boyd, Anand Date, Ray W Shiraishi, George Bicego, Unami Mathebula-Modongo, Heather Alexander, Christopher Serumola, Goabaone Rankgoane-Pono, Pontsho Pono, Alyssa Finlay, James C Shepherd, Tedd V Ellerbrock, Alison D Grant, and Katherine Fielding  
**Derivation and external validation of a risk score for predicting HIV-associated tuberculosis to support case finding and preventive therapy scale-up: A cohort study**  
Plos Medicine. 2021; 18(9): p. e1003739.
- Giulia Earle-Richardson, Eva Erlach, Vivienne Walz, Ombretta Baggio, Molly Kurnit, Cheick Abdoulaye Camara, Christina Craig, Lucia Robles Dios, Daiva Yee, Gnakub Norbert Soke, Ialijaona Voahary, and Christine E Prue  
**New Mixed Methods Approach for Monitoring Community Perceptions of Ebola and Response Efforts in the Democratic Republic of the Congo**  
Glob Health Science Practice. 2021; 9(2): p. 332-343.
- Jeffrey W Eaton, Laura Dwyer-Lindgren, Steve Gutreuter, Megan O'Driscoll, Oliver Stevens, Sumali Bajaj, Rob Ashton, Alexandra Hill, Emma Russell, Rachel Esra, Nicolas Dolan, Yusuf O Anifowoshe, Mark Woodbridge, Ian Fellows, Robert Glaubius, Emily Haeuser, Taylor Okonek, John Stover, Matthew L Thomas, Jon Wakefield, Timothy M Wolock, Jonathan Berry, Tomasz Sabala, Nathan Heard, Stephen Delgado, Andreas Jahn, Thokozani Kalua, Tiwonge Chimpandule, Andrew Auld, Evelyn Kim, Danielle Payne, Leigh F Johnson, Richard G FitzJohn, Ian Wanyeki, Mary I Mahy, and Ray W Shiraishi  
**Naomi: a new modelling tool for estimating HIV epidemic indicators at the district level in sub-Saharan Africa**  
Journal of the International AIDS Society. 2021; 24 Suppl 5: p. e25788.
- Anne M Foreman, Jonathan E Friedel, Yusuke Hayashi, and Oliver Wirth  
**Texting while driving: A discrete choice experiment**  
Accident Analysis & Prevention. 2021; 149: p. 105823.
- Muhammad Jami Husain, Biplab Kumar Datta, and Deliana Kostova  
**Disease and demography: a systems-dynamic cohort-component population model to assess the implications of disease-specific mortality targets**  
BMJ Open. 2021; 11(5): p. e043313.

- Kristen M Kreisel, Emily J Weston, Cyr Sancta B St, and Ian H Spicknall  
**Estimates of the Prevalence and Incidence of Chlamydia and Gonorrhea Among US Men and Women, 2018**  
Sexually Transmitted Diseases. 2021; 48(4): p. 222-231.
- Amber Kunkel, Seonghye Jeon, Haim C Joseph, Pierre Dilius, Kelly Crowdis, Martin I Meltzer, and Ryan Wallace  
**The urgency of resuming disrupted dog rabies vaccination campaigns: a modeling and cost-effectiveness analysis**  
Science Report. 2021; 11(1): p. 12476.
- Matthew J Maenner, Sierra J Graves, Georgina Peacock, Margaret A Honein, Coleen A Boyle, and Patricia M Dietz  
**Comparison of 2 Case Definitions for Ascertaining the Prevalence of Autism Spectrum Disorder Among 8-Year-Old Children**  
American Journal of Epidemiology. 2021; 190(10): p. 2198-2207.
- Zuguo Mei, O Yaw Addo, Maria Elena Jefferds, Andrea J Sharma, Rafael C Flores-Ayala, and Gary M Brittenham  
**Physiologically based serum ferritin thresholds for iron deficiency in children and non-pregnant women: a US National Health and Nutrition Examination Surveys (NHANES) serial cross-sectional study**  
Lancet Hematology. 2021; 8(8): p. e572-e582.
- Rebecca D. Merrill, Ali Imorou Bah Chabi, Elvira McIntyre, Jules Venance Kouassi, Martial Monney Alleby, Corrine Codja, Ouyi Tante, Godjedo Togbemabou Primous Martial, Idriss Kone, Sarah Ward, Tamekloe Tsidi Agbeko, and Clement Glèlè Kakai  
**An approach to integrate population mobility patterns and sociocultural factors in communicable disease preparedness and response**  
Humanities Social Sciences Communications. 2021; 8(23): p. 1-11.
- M M Mumtaz, M C Buser, and H R Pohl  
**Per- and polyfluoroalkyl mixtures toxicity assessment "Proof-of-Concept" illustration for the hazard index approach**  
Journal Toxicology Environmental Health Part A. 2021; 84(13): p. 553-567.
- Dean M Resnick, Christine S Cox, and Lisa B Mirel  
**Using Synthetic Data to Replace Linkage Derived Elements: A Case Study**  
Health Services Outcomes Research Methodology. 2021; 21: p. 389-406.
- Isaac See, Prbasaj Paul, Rachel B Slayton, Molly K Steele, Matthew J Stuckey, Lindsey Duca, Arjun Srinivasan, Nimalie Stone, John A Jernigan, and Sujana C Reddy  
**Modeling Effectiveness of Testing Strategies to Prevent Coronavirus Disease 2019 (COVID-19) in Nursing Homes-United States, 2020**

Clinical Infectious Diseases. 2021; 73(3): p. e792-e798.

- Steven A Sumner, Brock Ferguson, Brian Bason, Jacob Dink, Ellen Yard, Marci Hertz, Brandon Hilkert, Kristin Holland, Melissa Mercado-Crespo, Shichao Tang, and Christopher M Jones  
**Association of Online Risk Factors With Subsequent Youth Suicide-Related Behaviors in the US**  
JAMA Network Open. 2021; 4(9): p. e2125860.
  
- Mark G Thompson, Jefferey L Burgess, Allison L Naleway, Harmony Tyner, Sarang K Yoon, Jennifer Meece, Lauren E W Olsho, Alberto J Caban-Martinez, Ashley L Fowlkes, Karen Lutrick, Holly C Groom, Kayan Dunnigan, Marilyn J Odean, Kurt Hegmann, Elisha Stefanski, Laura J Edwards, Natasha Schaefer-Solle, Lauren Grant, Katherine Ellingson, Jennifer L Kuntz, Tnelda Zunie, Matthew S Thiese, Lynn Ivacic, Meredith G Wesley, Lamberte Julie Mayo, Xiaoxiao Sun, Michael E Smith, Andrew L Phillips, Kimberly D Groover, Young M Yoo, Joseph Gerald, Rachel T Brown, Meghan K Herring, Gregory Joseph, Shawn Beitel, Tyler C Morrill, Josephine Mak, Patrick Rivers, Brandon P Poe, Brian Lynch, Yingtao Zhou, Jing Zhang, Anna Kelleher, Yan Li, Monica Dickerson, Erika Hanson, Kyley Guenther, Suxiang Tong, Allen Bateman, Erik Reisdorf, John Barnes, Eduardo Azziz-Baumgartner, Danielle R Hunt, Melissa L Arvay, Preeta Kutty, Alicia M Fry, and Manjusha Gaglani  
**Prevention and Attenuation of Covid-19 with the BNT162b2 and mRNA-1273 Vaccines**  
New England Journal Medicine. 2021; 385(4): p. 320-329.
  
- Katy Town, Emily R Learner, Vasanta L Chivukula, Kerry Mauk, Jennifer L Reimche, Matthew W Schmerer, Jamie Black, Preeti Pathela, Sanjib Bhattacharyya, Roxanne P Kerani, Karen E Giesecker, Acasia Fukuda, Madeline Sankaran, Candice J McNeil, Ian H Spicknall, Brian H Raphael, Cyr Sancta B St, Kyle Bernstein Ellen, N Kersh, Robert D Kirkcaldy, Karen Schlanger, Kim M Gernert, and SURRG Working Group  
**Exploring and Comparing the Structure of Sexual Networks Affected by Neisseria gonorrhoeae Using Sexual Partner Services Investigation and Genomic Data**  
Sexually Transmitted Disease. 2021; 48(12S Suppl 2): p. S131-S136.



## **Health Equity Science (12)**

- Dena Bushman, Alexander Davidson, Preeti Pathela, Sharon K Greene, Don Weiss, Vasudha Reddy, New York City Fatal Case-Control Study Team, and Julia Latash  
**Risk Factors for Death Among Hospitalized Patients Aged 21-64 Years Diagnosed with COVID-19- New York City, March 13-April 9, 2020**  
Journal of Racial Ethnic Health Disparities. 2021.
- Jean M Cox-Ganser, and Paul K Henneberger  
**Occupations by Proximity and Indoor/Outdoor Work: Relevance to COVID-19 in All Workers and Black/Hispanic Workers**  
American Journal Prevention Medicine. 2021; 60(5): p. 621-628.
- Benjamin Guesdon, Alexia Couture, Elise Lesieur, and Oleg Bilukha  
**"No weight for height" case detection strategies for therapeutic feeding programs: sensitivity to acute malnutrition and target composition based on representative surveys in humanitarian settings**  
BMC Nutrition. 2021; 7(1): p. 3.
- Wojciech Kaczkowski, Jingjing Li, Adina C Cooper, and Leah Robin  
**Examining the Relationship Between LGBTQ-Supportive School Health Policies and Practices and Psychosocial Health Outcomes of Lesbian, Gay, Bisexual, and Heterosexual Students**  
LGBT Health. 2022; 9(1): p. 43-53.
- Mbabazi Kariisa, Puja Seth, Lawrence Scholl, Nana Wilson, and Nicole L Davis  
**Drug overdose deaths involving cocaine and psychostimulants with abuse potential among racial and ethnic groups - United States, 2004-2019**  
Drug Alcohol Dependence. 2021; 227: p. 109001.
- Catherine A Okoro, Tara W Strine, Lela McKnight-Eily, Jorge Verlenden, and NaTasha D Hollis  
**Indicators of poor mental health and stressors during the COVID-19 pandemic, by disability status: A cross-sectional analysis**  
Disability Health Journal. 2021; 14(4): p. 101110.
- Joohyun Park, Ping Zhang, Yu Wang, Xilin Zhou, Kevin A Look, and Elizabeth T Bigman  
**High Out-of-pocket Health Care Cost Burden Among Medicare Beneficiaries With Diabetes, 1999-2017**  
Diabetes Care. 2021; 44(8): p. 1797-1804. doi:10.2337/dc20-2708
- Lauren M Rossen, Jeremy A W Gold, Farida B Ahmad, Paul D Sutton, and Amy M Branum  
**Trends in the distribution of COVID-19 deaths by age and race/ethnicity - United States, April 4-December 26, 2020**  
Annals of Epidemiology. 2021; 62: p. 66-68.

- Mona Saraiya, Li C Cheung, Ashwini Soman, Jacqueline Mix, Kristy Kenney, Xiaojian Chen, Rebecca B Perkins, Mark Schiffman, Nicolas Wentzensen, and Jacqueline Miller  
**Risk of cervical precancer and cancer among uninsured and underserved women from 2009 to 2017**  
American Journal Obstetrics Gynecology. 2021; 224(4): p. 366 e361-366 e332.
- Bryan Stierman, Joseph Y Abrams, Shana E Godfred-Cato, Matthew E Oster, Lu Meng, Luke Yip, Pragna Patel, Neha Balachandran, Emily Prezzato, Timmy Pierc Emily Prezzato e, Katherine K Hsu, Meagan Burns, Pompa Xandy Peterson, Priscilla Lauro, Amanda Hartley, Cassandra Jones, Stephanie Gretsche, Heather Reid, Sarah Lim, Angela P Campbell, and Ermias D Belay  
**Racial and Ethnic Disparities in Multisystem Inflammatory Syndrome in Children in the United States, March 2020 to February 2021**  
Pediatric Infectious Disease Journal. 2021; 40(11): p. e400-e406.
- Derek W Werthmann, Felicia A Rabito, Daniel M Stout, 2nd, Nicolle S Tulve, Gary Adamkiewicz, Antonia M Calafat, Maria Ospina, and Ginger L Chew  
**Pyrethroid exposure among children residing in green versus non-green multi-family, low-income housing**  
Journal Exposure Science Environmental Epidemiology. 2021; 31(3): p. 549-559.
- Austin M Williams, Heather B Clayton, and James A Singleton  
**Racial and Ethnic Disparities in COVID-19 Vaccination Coverage: The Contribution of Socioeconomic and Demographic Factors**  
American Journal of Preventive Medicine. 2022; 62(4): p. 473-482.

## **Laboratory Science (14)**

- Whitney R Baldwin, Holli A Giebler, Janae L Stovall, Ginger Young, Kelly J Bohning, Hansi J Dean, Jill A Livengood, and Claire Y-H Huang  
**Single dose of chimeric dengue-2/Zika vaccine candidate protects mice and non-human primates against Zika virus**  
Nature Communications. 2021; 12(1): p. 7320.
- Joel Barratt, Katelyn Houghton, Travis Richins, Anne Straily, Ryan Threlkel, Betelehem Bera, Jayne Kenneally, Brooke Clemons, Susan Madison-Antenucci, Elizabeth Cebelinski, Brooke M Whitney, Katherine R Kreil, Vitaliano Cama, Michael J Arrowood, and Yvonne Qvarnstrom  
**Investigation of US Cyclospora cayetanensis outbreaks in 2019 and evaluation of an improved Cyclospora genotyping system against 2019 cyclosporiasis outbreak clusters**  
Epidemiology Infection. 2021; 149: p. e214.
- Julu Bhatnagar, Joy Gary, Sarah Reagan-Steiner, Lindsey B Estetter, Suxiang Tong, Ying Tao, Amy M Denison, Elizabeth Lee, Marlene DeLeon-Carnes, Yan Li, Anna Uehara, Clinton R Paden, Brooke Leitgeb, Timothy M Uyeki, Roosecelis B Martines, Jana M Ritter, Christopher D Paddock, Wun-Ju Shieh, and Sherif R Zaki  
**Evidence of Severe Acute Respiratory Syndrome Coronavirus 2 Replication and Tropism in the Lungs, Airways, and Vascular Endothelium of Patients With Fatal Coronavirus Disease 2019: An Autopsy Case Series**  
Journal Infectious Disease. 2021; 223(5): p. 752-764.
- Jayme P Coyle, Raymond C Derk, William G Lindsley, Francoise M Blachere, Theresa Boots, Angela R Lemons, Stephen B Martin, Jr., Kenneth R Mead, Steven A Fotta, Jeffrey S Reynolds, Walter G McKinney, Erik W Sinsel, Donald H Beezhold, and John D Noti  
**Efficacy of Ventilation, HEPA Air Cleaners, Universal Masking, and Physical Distancing for Reducing Exposure to Simulated Exhaled Aerosols in a Meeting Room**  
Viruses. 2021; 13(12).
- Justin S Lee, Jason M Goldstein, Jonathan L Moon, Owen Herzegh, Dennis A Bagarozzi, Jr., M Steven Oberste, Heather Hughes, Kanwar Bedi, Dorothe Gerard, Brenique Cameron, Christopher Benton, Asiya Chida, Ausaf Ahmad, David J Petway, Jr., Xiaoling Tang, Nicky Sulaiman, Dawit Teklu, Dhvani Batra, Dakota Howard, Mili Sheth, Wendi Kuhnert, Stephanie R Bialek, Christina L Hutson, Jan Pohl, and Darin S Carroll  
**Analysis of the initial lot of the CDC 2019-Novel Coronavirus (2019-nCoV) real-time RT-PCR diagnostic panel**  
PLoS One. 2021; 16(12): p. e0260487.
- William G. Lindsley, Francoise M. Blachere, Brandon F. Law, Donald H. Beezhold, and John D. Noti  
**Efficacy of face masks, neck gaiters and face shields for reducing the expulsion of simulated cough-generated aerosols**  
Aerosol Science and Technology. 2021; 55(4): p. 449-457.

- Victoria M Pratt, Amy Turner, Ulrich Broeckel, D Brian Dawson, Andrea Gaedigk, Ty C Lynnes, Elizabeth B Medeiros, Ann M Moyer, Deborah Requesens, Francesco Vetrini, and Lisa V Kalman  
**Characterization of Reference Materials with an Association for Molecular Pathology Pharmacogenetics Working Group Tier 2 Status: CYP2C9, CYP2C19, VKORC1, CYP2C Cluster Variant, and GGCX: A GeT-RM Collaborative Project**  
Journal Molecular Diagnostics. 2021; 23(8): p. 952-958.
- Sumathi Ramachandran, Guo-Liang Xia, Zoya Dimitrova, Yulin Lin, Martha Montgomery, Ryan Augustine, Saleem Kamili, and Yury Khudyakov  
**Changing Molecular Epidemiology of Hepatitis A Virus Infection, United States, 1996-2019**  
Emerging Infectious Diseases. 2021; 27(6): p. 1742-1745.
- Anand Ranpara, Aleksandr B Stefaniak, Elizabeth Fernandez, and Ryan F LeBouf  
**Effect of Puffing Behavior on Particle Size Distributions and Respiratory Depositions From Pod-Style Electronic Cigarette, or Vaping, Products**  
Front Public Health. 2021; 9: p. 750402.
- D Joseph Sexton, Meghan L Bentz, Rory M Welsh, Gordana Derado, William Furin, Laura J Rose, Judith Noble-Wang, Massimo Pacilli, Tristan D McPherson, Stephanie Black, Sarah K Kemble, Owen Herzegh, Ausaf Ahmad, Kaitlin Forsberg, Brendan Jackson, and Anastasia P Litvintseva  
**Positive Correlation Between Candida auris Skin-Colonization Burden and Environmental Contamination at a Ventilator-Capable Skilled Nursing Facility in Chicago**  
Clinical Infectious Diseases. 2021; 73(7): p. 1142-1148.
- Bo Shu, Marie K Kirby, William G Davis, Christine Warnes, Jimma Liddell, Ji Liu, Kai-Hui Wu, Norman Hassell, Alvaro J Benitez, Malania M Wilson, Matthew W Keller, Benjamin L Rambo-Martin, Yamundow Camara, Jorn Winter, Rebecca J Kondor, Bin Zhou, Stacey Spies, Laura E Rose, Jonas M Winchell, Brandi M Limbago, David E Wentworth, and John R Barnes  
**Multiplex Real-Time Reverse Transcription PCR for Influenza A Virus, Influenza B Virus, and Severe Acute Respiratory Syndrome Coronavirus 2**  
Emerging Infectious Diseases. 2021; 27(7): p. 1821-1830.
- Jesse C Thomas 4th, Sandeep J Joseph, John C Cartee, Cau D Pham, Matthew W Schmerer, Karen Schlanger, Cyr Sancta B St, Ellen N Kersh, Brian H Raphael, and Antimicrobial Resistant Neisseria gonorrhoeae Working Group  
**Phylogenomic analysis reveals persistence of gonococcal strains with reduced-susceptibility to extended-spectrum cephalosporins and mosaic penA-34**  
Nature Communication. 2021; 12(1): p. 3801.

- Dongxia Wang, Bin Zhou, Theodore R Keppel, Maria Solano, Jakub Baudys, Jason Goldstein, M G Finn, Xiaoyu Fan, Asheley P Chapman, Jonathan L Bundy, Adrian R Woolfitt, Sarah H Osman, James L Pirkle, David E Wentworth, and John R Barr  
**N-glycosylation profiles of the SARS-CoV-2 spike D614G mutant and its ancestral protein characterized by advanced mass spectrometry**  
Scientific Reports. 2021; 11(1): p. 23561.
  
- Bin Zhou, Tran Thi Nhu Thao, Donata Hoffmann, Adriano Taddeo, Nadine Ebert, Fabien Labrousseau, Anne Pohlmann, Jacqueline King, Silvio Steiner, Jenna N Kelly, Jasmine Portmann, Nico Joel Halwe, Lorenz Ulrich, Bettina Salome Trueb, Xiaoyu Fan, Bernd Hoffmann, Li Wang, Lisa Thomann, Xudong Lin, Hanspeter Stalder, Berta Pozzi, Brot Simone de, Nannan Jiang, Dan Cui, Jaber Hossain, Malania M Wilson, Matthew W Keller, Thomas J Stark, John R Barnes, Ronald Dijkman, Joerg Jores, Charaf Benarafa, David E Wentworth, Volker Thiel, and Martin Beer  
**SARS-CoV-2 spike D614G change enhances replication and transmission**  
Nature. 2021; 592(7852): p. 122-127.

## **Prevention and Control (20)**

- Catherine E Barrett, Joohyun Park, Lyudmyla Kompaniyets, James Baggs, Yiling J Cheng, Ping Zhang, Giuseppina Imperatore, and Meda E Pavkov  
**Intensive Care Unit Admission, Mechanical Ventilation, and Mortality Among Patients With Type 1 Diabetes Hospitalized for COVID-19 in the U.S**  
Diabetes Care. 2021; 44(8): p. 1788-1796.
- Anna N Chard, Maureen Martinez, Almea Matanock, and Ahmed M Kassem  
**Estimation of oral poliovirus vaccine effectiveness in Afghanistan, 2010-2020**  
Vaccine. 2021; 39(42): p. 6250-6255.
- Susan E Dorman, Payam Nahid, Ekaterina V Kurbatova, Patrick P J Phillips, Kia Bryant, Kelly E Dooley, Melissa Engle, Stefan V Goldberg, Ha T T Phan, James Hakim, John L Johnson, Madeleine Lourens, Neil A Martinson, Grace Muzanyi, Kim Narunsky, Sandy Nerette, Nhung V Nguyen, Thuong H Pham, Samuel Pierre, Anne E Purfield, Wadzanai Samaneka, Radojka M Savic, Ian Sanne, Nigel A Scott, Justin Shenje, Erin Sizemore, Andrew Vernon, Ziyaad Waja, Marc Weiner, Susan Swindells, Richard E Chaisson, AIDS Clinical Trials Groups, and Tuberculosis Trials Consortium  
**Four-Month Rifapentine Regimens with or without Moxifloxacin for Tuberculosis**  
New England Journal of Medicine. 2021; 384(18): p. 1705-1718.
- Robyn Neblett Fanfair, George Khalil, Tiffany Williams, Kathleen Brady, Alfred DeMaria, Merceditas Villanueva, Lisa M. Randall, Heidi Jenkins, Frederick L. Altice, Nasima Camp, Crystal Lucas, Marianne Buchelli, Taraz Samandari, and Paul J. Weidle  
**The Cooperative Re-Engagement Controlled trial (CoRECT): A randomised trial to assess a collaborative data to care model to improve HIV care continuum outcomes**  
The Lancet Regional Health - Americas. 2021; 3: p. 100057.
- Joy Hsu, Xiaoting Qin, Maria C Mirabelli, and Flanders W Dana  
**Medicaid expansion, health insurance coverage, and cost barriers to care among low-income adults with asthma: the Adult Asthma Call-Back Survey**  
Journal of Asthma. 2021; 58(11): p. 1478-1487.
- Evin U Jacobson, Katherine A Hicks, Justin Carrico, David W Purcell, Timothy A Green, Jonathan H Mermin, and Paul G Farnham  
**Optimizing HIV Prevention Efforts to Achieve EHE Incidence Targets**  
Journal of Acquired Immune Deficiency Syndromes. 2022; 89(4): p. 374-380.
- Katherine Kortzmit, Rui Li, Shanna Cox, Carrie K Shapiro-Mendoza, Cria G Perrine, Denise V D'Angelo, Wanda D Barfield, Holly B Shulman, Craig F Garfield, and Lee Warner  
**Workplace Leave and Breastfeeding Duration Among Postpartum Women, 2016-2018**  
American Journal of Public Health. 2021; 111(11): p. 2036-2045.

- R Paul McClung, Amy D Atkins, Michael Kilkenny, Kyle T Bernstein, Kara S Willenburg, Matthew Weimer, Susan Robilotto, Nivedha Panneer, Erica Thomasson, Elizabeth Adkins, Sheryl B Lyss, Shawn Balleydier, Anita Edwards, Mi Chen, Suzanne Wilson, Senad Handanagic, Vicki Hogan, Meg Watson, Scott Eubank, Carolyn Wright, Antoine Thompson, Elizabeth DiNenno, Robyn Neblett Fanfair, Alison Ridpath, Alexandra M Oster, and 2019 Cabell County HIV Outbreak Response Team  
**Response to a Large HIV Outbreak, Cabell County, West Virginia, 2018-2019**  
American Journal Preventive Medicine. 2021; 61(5 Suppl 1): p. S143-S150.
- Amanda B Payne, Thomas V Adamkiewicz, Scott D Grosse, Andrea Steffens, David K Shay, Carrie Reed, and Laura A Schieve  
**Influenza vaccination rates and hospitalizations among Medicaid enrollees with and without sickle cell disease, 2009-2015**  
Pediatric Blood Cancer. 2021; 68(12): p. e29351.
- Tamara Pilishvili, Ryan Gierke, Katherine E Fleming-Dutra, Jennifer L Farrar, Nicholas M Mohr, David A Talan, Anusha Krishnadasan, Karisa K Harland, Howard A Smithline, Peter C Hou, Lilly C Lee, Stephen C Lim, Gregory J Moran, Elizabeth Krebs, Mark T Steele, David G Beiser, Brett Faine, John P Haran, Utsav Nandi, Walter A Schradang, Brian Chinnock, Daniel J Henning, Frank Lovecchio, Jane Lee, Devra Barter, Monica Brackney, Scott K Fridkin, Kaytlynn Marceaux-Galli, Sarah Lim, Erin C Phipps, Ghinwa Dumyati, Rebecca Pierce, Tiffanie M Markus, Deverick J Anderson, Amanda K Debes, Michael Y Lin, Jeanmarie Mayer, Jennie H Kwon, Nasia Safdar, Marc Fischer, Rosalyn Singleton, Nora Chea, Shelley S Magill, Jennifer R Verani, Stephanie J Schrag, and Vaccine Effectiveness among Healthcare Personnel Study Team  
**Effectiveness of mRNA Covid-19 Vaccine among U.S. Health Care Personnel**  
New England Journal Medicine. 2021; 385(25): p. e90.
- Leah Robin, Zachary Timpe, Nicolas A Suarez, Jingjing Li, Lisa Barrios, and Kathleen A Ethier  
**Local Education Agency Impact on School Environments to Reduce Health Risk Behaviors and Experiences Among High School Students**  
Journal Adolescent Health. 2022; 70(2): p. 313-321.
- Aaron M Samuels, Nobert Awino Odero, Wycliffe Odongo, Kephias Otieno, Vincent Were, Ya Ping Shi, Tony Sang, John Williamson, Ryan Wiegand, Mary J Hamel, S Patrick Kachur, Laurence Slutsker, Kim A Lindblade, Simon K Kariuki, and Meghna R Desai  
**Impact of Community-Based Mass Testing and Treatment on Malaria Infection Prevalence in a High-Transmission Area of Western Kenya: A Cluster Randomized Controlled Trial**  
Clinical Infectious Disease. 2021; 72(11): p. 1927-1935.
- Sundar S Shrestha, Kevin Davis, Nathan Mann, Nathaniel Taylor, James Nonnemaker, Rebecca Murphy-Hoefer, Katrina F Trivers, Brian A King, Stephen D Babb, and Brian S Armour  
**Cost Effectiveness of the Tips From Former Smokers(R) Campaign-U.S., 2012-2018**

American Journal Preventive Medicine. 2021; 60(3): p. 406-410.

- Peter Simeonov, Hongwei Hsiao, Ashish Nimbarte, Richard Current, Douglas Ammons, Hee-Sun Choi, Md Mahmudur Rahman, and Darlene Weaver  
**Evaluation of advanced curve speed warning system for fire trucks**  
Applied Ergonomics. 2021; 97: p. 103527.
- Mary Beth F Son, Nancy Murray, Kevin Friedman, Cameron C Young, Margaret M Newhams, Leora R Feldstein, Laura L Loftis, Keiko M Tarquinio, Aalok R Singh, Sabrina M Heidemann, Vijaya L Soma, Becky J Riggs, Julie C Fitzgerald, Michele Kong, Sule Doymaz, John S Giuliano, Jr., Michael A Keenaghan, Janet R Hume, Charlotte V Hobbs, Jennifer E Schuster, Katharine N Clouser, Mark W Hall, Lincoln S Smith, Steven M Horwitz, Stephanie P Schwartz, Katherine Irby, Tamara T Bradford, Aline B Maddux, Christopher J Babbitt, Courtney M Rowan, Gwenn E McLaughlin, Phoebe H Yager, Mia Maamari, Elizabeth H Mack, Christopher L Carroll, Vicki L Montgomery, Natasha B Halasa, Natalie Z Cvijanovich, Bria M Coates, Charles E Rose, Jane W Newburger, Manish M Patel, Adrienne G Randolph, and Overcoming COVID-19 Investigators  
**Multisystem Inflammatory Syndrome in Children - Initial Therapy and Outcomes**  
New England Journal Medicine. 2021; 385(1): p. 23-34.
- Rebecca C Woodruff, Angela P Campbell, Christopher A Taylor, Shua J Chai, Breanna Kawasaki, James Meek, Evan J Anderson, Andy Weigel, Maya L Monroe, Libby Reeg, Erica Bye, Daniel M Sosin, Alison Muse, Nancy M Bennett, Laurie M Billing, Melissa Sutton, H Keipp Talbot, Keegan McCaffrey, Huong Pham, Kadam Patel, Michael Whitaker, McMorrow Meredith L, and Havers Fiona P  
**Risk Factors for Severe COVID-19 in Children**  
Pediatrics. 2021.
- Xueyan S Xu, Daniel E Welcome, Thomas W McDowell, Christopher Warren, Samantha Service, Hansheng Lin, Qingsong Chen, and Ren G Dong  
**An investigation of the effectiveness of vibration-reducing gloves for controlling vibration exposures during grinding handheld workpieces**  
Applied Ergonomics. 2021; 95: p. 103454.
- Quanhe Yang, Anping Chang, Xin Tong, and Robert Merritt  
**Herpes Zoster Vaccine Live and Risk of Stroke Among Medicare Beneficiaries: A Population-Based Cohort Study**  
Stroke. 2021; 52(5): p. 1712-1721.
- Khalequ Zaman, Stephanie D Kovacs, Kristin Vanderende, Asma Aziz, Mohammed Yunus, Sara Khan, Cynthia J Snider, Qian An, Concepcion F Estivariz, M Steven Oberste, Mark A Pallansch, and Abhijeet Anand  
**Assessing the immunogenicity of three different inactivated polio vaccine schedules for use after oral polio vaccine cessation, an open label, phase IV, randomized controlled trial**  
Vaccine. 2021; 39(40): p. 5814-5821.



- Lauren H Zauche, Bailey Wallace, Ashley N Smoots, Christine K Olson, Titilope Oduyebo, Shin Y Kim, Emily E Petersen, Jun Ju, Jennifer Beauregard, Allen J Wilcox, Charles E Rose, Dana M Meaney-Delman, Sascha R Ellington, and CDC v-safe Covid-19 Pregnancy Registry Team  
**Receipt of mRNA Covid-19 Vaccines and Risk of Spontaneous Abortion**  
New England Journal Medicine. 2021; 385(16): p. 1533-1535.

## **The Lifetime Achievement Award-----7 LSA**

**1. Name of nominee: Dr. Venkatachalam (Kumar) Udhayakumar**

Nominating CIO: Center for Global Health

**2. Name of nominee: Dr. James P. O’Callaghan**

Nominating CIO: National Institute for Occupational Safety & Health

**3. Name of nominee: Dr. H. Irene Hall**

Nominating CIO: National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention

**4. Name of nominee: Dr. Ann Dellinger**

Nominating CIO: National Center for Injury Prevention and Control

**5. Name of nominee: Dr. Inger Damon**

Nominating CIO: National Center for Emerging and Zoonotic Infectious Diseases