**Appendix 1.** Participants in Expert Panels

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|  | | Healthcare-Associated Infections | |  |
| Name | Title | | University/Institution Name | Location |
| Kristina Bryant MD | Hospital Epidemiologist | | Kosair Children’s Hospital; University of Louisville School of Medicine | Louisville, KY |
| Susan Coffin MD, MPH | Associate Hospital Epidemiologist | | Children’s Hospital of Philadelphia: University of Pennsylvania School of Medicine | Philadelphia, PA |
| Stephanie Fritz MD, MSCI | Associate Professor of Pediatrics | | Washington University School of Medicine in St. Louis | St Louis, MO |
| Judith Guzman-Cottrill DO | Pediatric Medical Director of Infection Control | | Doernbecher Children’s Hospital; Oregon Health & Science University | Portland, OR |
| W. Charles Huskins MD | Chair of Pediatric Infectious Diseases | | Mayo Clinic College of Medicine | Rochester, MN |
| Larry K. Kociolek MD, MSCI | Associate Medical Director of Infection Prevention and Control | | Ann & Robert H. Lurie Children’s Hospital of Chicago | Chicago, IL |
| Grace Lee MD, MPH | Associate Chief Medical Officer | | Stanford Children’s Hospital; Stanford University School of Medicine | Palo Alto, CA |
| Matthew Linam MD, MS | Medical Director of Quality Improvement for Infectious Diseases | | Children’s Healthcare of Atlanta; Emory University School of Medicine | Atlanta, GA |
| Latania K. Logan MD, MSPH | Medical Director, Pediatric Infection Control | | Rush University Medical Center; Rush Medical College | Chicago, IL |
| Aaron M. Milstone MD, MHS | Associate Hospital Epidemiologist | | Johns Hopkins University School of Medicine | Baltimore, MD |
| Ann-Christine Nyquist MD, MSPH | Medical Director, Infection Prevention and Control and Occupational Health | | Children’s Hospital Colorado; University of Colorado School of Medicine | Aurora, CO |
| Lisa Saiman MD, MPH | Pediatric Hospital Epidemiologist | | New York-Presbyterian Hospital; Columbia University Irving Medical Center | New York, NY |
| Andi L. Shane MD, MPH, MSc | Hospital Epidemiologist | | Children’s Healthcare of Atlanta; Emory University School of Medicine | Atlanta, GA |
| Thomas J. Sandora MD, MPH | Hospital Epidemiologist | | Boston Children’s Hospital; Harvard Medical School | Boston, MA |
| Danielle M. Zerr MD, MPH | Medical Director, Infection Prevention | | Seattle Children’s Hospital; University of Washington | Seattle, WA |
| Antimicrobial Stewardship/Antimicrobial Resistance | | | | |
| Name | Title | | University/Institution Name | Location |
| Joseph Cantey MD | Medical Director, Nursery Antibiotic Stewardship Program | | University of Texas Health, San Antonio | San Antonio, TX |
| Jeffrey Gerber MD, PhD | Medical Director, Antimicrobial Stewardship Program | | Children’s Hospital of Philadelphia; University of Pennsylvania School of Medicine | Philadelphia, PA |
| Adam Hersh MD, PhD | Associate Professor of Pediatrics | | Primary Children’s Hospital; University of Utah | Salt Lake City, UT |
| Matthew Kronman MD, MSCE | Pediatric Infectious Disease Fellowship Program Director | | Seattle Children’s Hospital; University of Washington | Seattle, WA |
| Jason Newland MD, MEd | Medical Director, Antimicrobial Stewardship Program | | St. Louis Children’s Hospital; Washington University School of Medicine in St. Louis | St. Louis, MO |
| Debra L. Palazzi MD, MEd | Medical Director, Antimicrobial Stewardship Program | | Texas Children’s Hospital: Baylor College of Medicine | Houston, TX |
| Sameer J. Patel MD, MPH | Medical Director, Antimicrobial Stewardship Program | | Ann & Robert H. Lurie Children’s Hospital of Chicago | Chicago, IL |
| Karen Puopolo MD, PhD | Chief, Section on Newborn Medicine, Pennsylvania Hospital | | Children’s Hospital of Philadelphia; Pennsylvania Hospital; University of Pennsylvania School of Medicine | Philadelphia, PA |
| Lisa Saiman MD, MPH | Pediatric Hospital Epidemiologist | | New York-Presbyterian Hospital; Columbia University Irving Medical Center | New York, NY |
| Michael J. Smith MD, MSCE | Duke Antimicrobial Stewardship Team | | Duke Children’s Health Center; Duke University Medical Center | Durham, NC |
| Pranita D. Tamma MD, MHS | Director, Pediatric Antimicrobial Stewardship | | Johns Hopkins University School of Medicine | Baltimore, MD |
| Theoklis Zaoutis MD, MSCE | Professor of Pediatrics | | Children’s Hospital of Philadelphia; University of Pennsylvania School of Medicine | Philadelphia, PA |

**Appendix 2.** Initial Mean Rankings of Priority Topics for Pediatric Research in Healthcare-Associated Infections and Antimicrobial Stewardship, Ranked by Magnitude, Impact, and Research Potentiala

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| Healthcare-Associated  Infectionsb | | Antimicrobial  Stewardship | |
| Extended-spectrum β-lactamase–producing Enterobacteriaceae | 18.53 | Overuse of broad-spectrum antibiotics: inpatient | 23.22 |
| Carbapenem-resistant Enterobacteriaceae | 15.96 | Short course therapy, inpatient | 22.08 |
| Surgical site infections | 12.64 | Short course therapy, outpatient | 19.97 |
| *Clostridiodes difficile* infection | 12.48 | Rapid diagnosis | 17.82 |
| Disparities in burden of HAI/AR | 11.78 | Validating outcome metrics | 17.53 |
| Outbreaks and clusters | 11.70 | Discharge stewardship | 16.13 |
| Healthcare-associated viral infections | 11.28 | ICU stewardship | 15.43 |
| Post-discharge surveillance for SSI | 9.79 | Overuse of broad-spectrum antibiotics: outpatient | 14.55 |
| Methicillin-resistant *Staphylococcus aureus* | 8.69 | New stewardship approaches | 14.28 |
| Ambulatory infection control | 7.57 | Validating antibiotic use metrics | 10.73 |
| Ventilator-associated events | 7.07 |  |  |
| Healthcare worker vaccination | 6.66 |  |  |

aRanked from 1 (low) to 3 (high) on 3 attributes: magnitude, impact, research potential. Final score derived by multiplying average score on 3 attributes. Maximum score, 27.

b3 HAI topics achieved scores < 5: vancomycin-resistant *Enterococcus* (3.90); catheter-associated urinary tract infection (3.67); and dialysis-related infections (3.38).