

Curriculum Vitae

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Peter Andrew Meaney, MD, MPH

Address:

Cadence Health Strategies
325 Sharon Park Drive, Suite 1027
Menlo Park, CA 94025
267-934-4406
pmeaney@cadencehealthstrategies.com

If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:
none (U.S. citizen)

Education:

06/1993 B.A.	University of Virginia (Religious Studies)
06/1998 M.D.	Medical College of Virginia (Medicine)
08/2004 M.P.H.	Harvard School of Public Health (Quantitative Methods)

Postgraduate Training and Fellowship Appointments:

07/1998-06/1999	Pediatric Internship/Combined Internal Medicine, University of Massachusetts
07/1999-06/2002	Pediatric Residency/Combined Internal Medicine, University of Massachusetts
07/2002-06/2005	Pediatric Critical Care Medicine Fellowship, The Children's Hospital of Philadelphia

Faculty Appointments:

07/2006-06/2015	Assistant Professor of Pediatrics, University of Pennsylvania School of Medicine (Secondary)
07/2006-06/2015	Assistant Professor of Anesthesiology and Critical Care at the Hospital of the University of Pennsylvania and the Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine
06/2015-07/2018	Associate Professor of Pediatrics, University of Pennsylvania School of Medicine (Secondary)
06/2015-07/2018	Associate Professor of Anesthesiology and Critical Care at the Hospital of the University of Pennsylvania and the Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine

07/2018-present	Clinical Professor of Pediatrics, Stanford University School of Medicine
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Hospital and/or Administrative Appointments:

07/2005-06/2018	Attending Physician, Anesthesia and Critical Care Medicine, The Children's Hospital of Philadelphia
07/2005-06/2012	Director, The CLEAR Initiative, The Children's Hospital of Philadelphia
07/2007-06/2013	Specialty Director, International Education, Center for Simulation, Advanced Education and Innovation, The Children's Hospital of Philadelphia
07/2013-06/2018	Director, Center for Global Pediatric Clinical Care, The Children's Hospital of Philadelphia
07/2018-Present	Director, Global Health Pediatric Implementation Science, Department of Pediatrics, Stanford Medicine
07/2022-Present	Associate Program Director, T-32 Fellowship, "Pediatric Subspecialty Global Health Training", Department of Pediatrics, Stanford Medicine

Other Appointments:

09-11/1999	Clinical Volunteer, Internal Medicine and Pediatrics, Kilimanjaro Christian Medical Center, Moshi, Tanzania
02/2001	Clinical Observer, Claudio Benati Hospital, Zumbahua, Ecuador
02/2005	Clinical Volunteer, Pediatric Intensivist, International Children's Heart Foundation, Lima, Peru
07/2005-06/2008	Clinical Volunteer, Pediatric Intensivist, Operation Smile International
07/2006-06/2017	Clinical Volunteer - Pediatrician, Princess Marina Hospital, Gaborone, Botswana
07/2006-06/2018	Faculty, Botswana-U Penn Partnership, Gaborone, Botswana
07/2017-10/2023	Telemedicine Specialist, Pediatric Critical Care, Médecins Sans Frontières

Specialty Certification:

1998	Provider Pediatric Advanced Life Support (PALS)
1998	Provider, Advanced Cardiac Life Support (ACLS)
2002	Diplomate, American Board of Pediatrics
2002	Diplomate, American Board of Internal Medicine

2002	Advanced Trauma Life Support (ATLS)
2003	Instructor, Advanced Cardiac Life Support (ACLS)
2006	Pediatric Critical Care, American Board of Pediatrics
2006	Fellow, American Board of Pediatrics
2006	Instructor, Basic Life Support (BLS)
2007	Instructor, Pediatric Advanced Life Support (PALS)
2010	Master Training Mentor, Helping Babies Breathe, American Academy of Pediatrics
2012	Diplomate, American Board of Pediatrics (Re-cert)
2016	Pediatric Critical Care, American Board of Pediatrics (Re-cert)

Medical Licensure:

1998-2002	State of Massachusetts
2002-2018	State of Pennsylvania
2007-2012	Republic of Botswana Health Professions Council
2018-current	State of California

Awards, Honors and Membership in Honorary Societies:

2009	Resident Teaching Honor Roll, The Children's Hospital of Philadelphia
2013	Winner, AppITUP competition. University of Pennsylvania's, UPStart Program
2013	Winner, Ronald McDonald House Charities National Grants Competition
2024	Pediatrics Fellowship Honor Roll for Teaching, Stanford School of Medicine
2024	Pediatrics Resident Honor Roll for Teaching, Stanford School of Medicine
2025	Pediatrics Fellowship Honor Roll for Teaching, Stanford School of Medicine

Memberships in Professional and Scientific Societies and Other Professional Activities:International:

2025-present	Health Standards Organization (HSO), Ottawa, Canada (Member: Technical Committee, Critical Care - Acute Care Standard July 2025 – Present. Collaborating on the development and revision of international acute care standards to enhance patient safety, care quality, equity, and outcomes across diverse healthcare settings.
2005-2019	American Heart Association (Member: 2005-present; Basic Life Support Subcommittee: Member 2006-2011; Basic Life Support HCP course development: Science Advisor 2010-12; New Volunteer Mentor 2009-2010; PALS and PEARS

Instructor Video Development: Science Advisor 2012; , Vice Chair 2011-2013, Chair 2013; Peds Forum (PALS): Vice Chair 2013-2015; Systems of Care: Member 2013-2015, Saving Children's Lives : Chair 2013-Current)

- 2006-2018 Botswana Ministry of Health (Volunteer Advisor, Resuscitation 2006-2009, Saving Children's Lives Implementation 2011-2018)
- 2008-2012 European Resuscitation Council (Member)
- 2008-2012 Impact Pediatrics (Board Member)
- 2012-Present International Liaison Committee on Resuscitation (Member 2012; Education, Implementation and Teams 2009-2011; AHA representative to the Pediatric Advanced Life Support Task Force 2012-Present)
- 2014-2017 Institute for Health Metrics and Evaluation (Collaborator, Global Burden of Disease)
- 2014 World Health Organization (Temporary External Advisor, Department of Maternal, Newborn, Child and Adolescent Health (MCA))
- 2017 Maternal Child Health, World Health Organization (External Collaborator, Global Consultation on Potential Paediatric Quality of Care Measures and Indicators)
- 2021-present Pediatric Association of Tanzania (External Advisor, Clinical Learning Network pilot)

National:

- 2002-Present American Academy of Pediatrics (Fellow 2006; Section on International Child Health: Mentor 2009-2012, Membership Chair 2011-2013, Nominating Committee Vice Chair 2016-2018;)
- 2002-2015 American College of Physicians (Member)
- 2002-Present Society of Critical Care Medicine (Member)
- 2010-2015 Society for Simulation in Healthcare (Member)
- 2012 National Registry of Emergency Technicians (Member, Pediatric Item Writing & Review Committee)

Local:

- 2000-2002 Massachusetts Medical Society, Committee on Global Medicine (Founding Member)

Editorial Positions:

2008-2018	Reviewer, Journal of Neonatal-Perinatal Medicine
2008-Present	Reviewer, Journal of Resuscitation
2010-2015	Reviewer, Journal of Indian Pediatrics
2012-2015	Reviewer, Journal of Post Graduate Medicine
2013-2018	Reviewer, Critical Care Medicine
2014-Present	Editorial Board, Frontiers Journals
2015-2017	Reviewer, Journal of Hospital Medicine
2016-2018	Reviewer, Journal of the American Medical Association

Academic and Institutional Committees:

2002-2018	Member, PICU/PCU Patient Safety and Quality Improvement Committee, The Children's Hospital of Philadelphia, Philadelphia, PA
2009-2011	PICU Champion, CHOP Fire Safety Committee, The Children's Hospital of Philadelphia
2009-2013	Coordinator, International Programs, Pediatric Critical Care Medicine, The Children's Hospital of Philadelphia
2011-2012	Member, PICU Fellows Selection Committee, The Children's Hospital of Philadelphia
2011-2015	Director, Pediatric Emergency Assessment, Recognition, and Stabilization (PEARS) Development Committee, The Children's Hospital of Philadelphia
2011	Member, CPR Rolling Refreshers in Progressive Care Unit, The Children's Hospital of Philadelphia
2012-2017	Member, Emergency Preparedness Committee/Disaster Response Committee, The Children's Hospital of Philadelphia
2013-2017	Member, Resuscitation Committee, The Children's Hospital of Philadelphia
2014-2017	Member, PICU Airway QI Committee, The Children's Hospital of Philadelphia
2015-2018	Faculty, Center for Global Health, University of Pennsylvania
2017-2018	Member, International Education Programs, Anesthesia and Critical Care Education Council, The Children's Hospital of Philadelphia
2018-present	Member, Scholastic Oversight Committee, Pediatric Critical Care Fellowship, Stanford Medicine
2018-2025	Member, Clinical Competence Committee, Pediatric Critical Care Fellowship, Stanford Medicine
2022-2024	Member, ECMO Committee, Pediatric Critical Care, Stanford Medicine

- 2018-2023 Member, Fellow Selection Committee, Pediatric Critical Care Fellowship, Stanford Medicine
- 2023-2025 Member, Professional Practice Evaluation Committee, Pediatric Critical Care Fellowship, Stanford Medicine

Major Academic and Clinical Teaching Responsibilities:

- 2005-2018 Clinical Teaching - Teaching while on service, medical students, residents, nurses, and/or fellows in the Pediatric Intensive Care Unit, The Children's Hospital of Philadelphia, Philadelphia,
- 2006 "State of Pediatrics at Princess Marina Hospital, Gaborone, Botswana", Critical Care Medicine Education Conference, April 5, 2006, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2006-2016 "Oxygen Delivery", lecture to Critical Care First Year Fellows, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2007 "Resuscitation Care and BLS Training in Botswana", Penn's Center for Resuscitation Science, Research in Progress Conference, University of Pennsylvania School of Medicine, Philadelphia, PA
- 2008-2009 "Oxygen Delivery", Critical Care Medicine Nurse Practitioner Lecture, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2008-2009 "Acute Ischemic Stroke", Simulation Activity, PICU Staff, Fellows, Residents, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2008-2009 "Acute Pulmonary Embolus", Simulation Activity, PICU Staff, Fellows, Residents, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2008-2009 "Acute Myocardial Ischemia", Simulation Activity, PICU Staff, Fellows, Residents, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2008-2009 "Adult Symptomatic Bradycardia", Simulation Activity, PICU Staff, Fellows, Residents, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2008 "Post-Operative Care in Medical Mission Setting", Simulation Activity, PICU Staff, Fellows, Residents, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2009-2016 "PICU and Pediatric Global Health" lecture to attendings and PICU Fellows, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2009-2011 Course Advisor to PICU Fellows for Board Preparation, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2010 "Beyond the PICU Walls", 1st Annual Pediatric Intensive Care Unit Sponsored Multidisciplinary Conference, The Children's Hospital of Philadelphia, Philadelphia, PA

- 2011 "Developing Countries, Child Health and Changing the World", lecture to Pediatric Critical Care Fellows, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2011-2015 Pediatric Advanced Life Support, Simulation Exercise/Small Group Discussion to students, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2011 "Abdominal Compartment Syndrome", Simulation Exercise Professor Rounds/Small Group Discussion to students, August 24, 2011, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2011 "Advance Cardiac Life Support", Simulation Exercise/Small Group Discussion with students, October 4, 2011, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2011 "Developing Countries, Child Health and Changing the World", Didactic Lecture, November 3, 2011 The Children's Hospital of Philadelphia, Philadelphia, PA
- 2011 "Pediatric Emergency Assessment Recognition and Stabilization" Skills Workshop, November 30, 2011, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2011-2015 "Adult Visitor Who Collapses and is Found in Pulseless V-Tach", Simulation Exercise/Small Group Discussion, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2012 "Pulmonary Toilet in PICU", Professor Rounds, Simulation Exercise/Small Group Discussion, April 26, 2012, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2012-2017 PALS at CTRB", Didactic Lecture, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2012-2017 PEARS Teaching Didactic Lecture, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2012 Acute Coronary Syndrome", Simulation Exercise/Small Group Discussion, CCM Fellows, April 12, 2012, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2012-2015 Course Director, PEARS, The Children's Hospital of Philadelphia, Philadelphia, PA
CPR Instructor PEARS, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013-2017
- 2013 Course Director, Pediatric Advanced Life Support Training Intern Orientation, June 13, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013 "ACLS/VF/VT", Simulation Exercise/Small Group Discussion to students, June 10, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA

- 2013 "ACLS/VF/VT Megacode", Simulation Exercise/Small Group Discussion to students, September 16, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013 "Saving Children's Lives: Pediatric Emergency Assessment, Recognition and Stabilization at Botswana", Didactic Lecture to students, June 3, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013 CPR station PEARS, Skills Workshop to students, March 8, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013 "Critical Thinking Case Management Competition" Professor Rounds, Didactic lecture to attendings, medical students, and nurses, September 25, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013 "Critical Thinking 2" Professor Rounds, Didactic lecture to attendings, medical students, and nurses, August 6, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013 "Rise over Run: Determining the Slope of Global Pediatric Critical Care", lecture to medical students, September 20, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013 "Building Castles in the Sand: Strengthening Systems of Care for Critically Ill Children in Global Health", lecture to attendings, fellows, nurses and nurse practitioners, October 16, 2013, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2013 "Survive Under 5 App", lecture November 22, 2013, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
- 2013 Instructor, PEARS @ Botswana, Gaborone and Mochudi, Botswana
- 2013 Course Director, and Instructor PEARS @ Botswana, Gaborone and Mochudi, Botswana
- 2013 Course Director, PEARS at Botswana Pilot, Gaborone and Mochudi
- 2014 "Saving Children's Lives - Adapting PEARS for Botswana, lecture at 1st Annual Emergency Care Instructor Conference, December 16, 2014, The Children's Hospital of Philadelphia, Philadelphia, PA
- 2015 "Strengthening the Delivery of Surgical and Anaesthetic Services: "Anesthesia", Surgery, Public Health and the WHO, presented by the PSOM Center for Global Health and the Penn Global Surgery Interest Group, University of Pennsylvania Perelman School of Medicine, October 23, 2015, Philadelphia, PA

Lectures by Invitation:

- Dec, 2004 "Age Matters: Age Is Independently Associated with Survival In Pediatric Patients with Cardiac Arrest in an ICU Setting," Anesthesia

Grand Rounds, The Children's Hospital of Philadelphia, Philadelphia, PA

Apr, 2005	"Interacciones Cardiopulmonares", Group/Organization: Anesthesia Education Conference, Operation Smile Education Conference, Santa Cruz, Bolivia
Oct, 2005	"Pediatric Advanced Life Support", Instructor Operation Smile International, October 2005, 2006, 2007, Tegucigalpa, Honduras
Nov, 2005	"Advanced Cardiac Life Support, Operation Smile International, Hangzhou, China
Feb, 2006	"Clinical Rotation at Princess Marina Hospital", The CLEAR Initiative, Children's Hospital of Philadelphia (CHOP), Gaborone, Botswana
Sep, 2006	"Clinical Pediatrics at Princess Marina Hospital", The CLEAR Initiative, CHOP, Gaborone, Botswana
Mar, 2007	"Respiratory Physiology", The CLEAR Initiative, CHOP, Gaborone, Botswana
Mar, 2007	"BLS for the Healthcare Provider at Princess Marina Hospital", The CLEAR Initiative, CHOP, Gaborone, Botswana
Apr, 2007	"Ventilators", The CLEAR Initiative, CHOP, Gaborone, Botswana
Apr, 2007	"Running a Code", The CLEAR Initiative, CHOP, Gaborone, Botswana
Apr, 2008	"Rhythms and Outcomes, Tying up Resuscitation: Improving Resuscitation in the In-Hospital Setting Utilizing the NRCPR", AHA Regional Education Conference, Baltimore, MD
Aug, 2008	"Rhythms and Outcomes in the In-Hospital Setting". San Antonio Trauma Symposium San Antonio, TX
Oct, 2008	"Pediatric Cardiac Arrest", Johannesburg General Hospital, Johannesburg, South Africa
Oct, 2008	"Introduction to Ventilators", Coronation Women and Children's Hospital, Johannesburg, South Africa
Oct, 2008	"Shock in Children", Coronation Women and Children's Hospital, Johannesburg, South Africa
Apr, 2009	"Pediatric Resuscitation", Grand Rounds, Princess Marina Hospital, Gaborone, Botswana
May, 2010	"Simulation Training-High Fidelity Simulation", Guwahati Medical College, Guwahati India
Jan, 2011	"Anthropological Simulation: Using Experiential Learning to Understand Team Dynamics and Improve Resuscitation Training in

	Developing Countries and Under-Resources Settings", 11th Annual International Meeting on Simulation in Healthcare, New Orleans, LA
Feb, 2011	"New Resuscitation Guideline Update", Paediatric Simulation Education Symposium, Far East Memorial Hospital, Tai-Pei, Taiwan
Feb, 2011	"Pediatric Advanced Life Support Training", Far East Memorial Hospital, Tai-Pei, Taiwan
Feb, 2011	Simulation Training, National Taiwan University Hospital Simulation Center, Tai-Pei, Taiwan
Feb, 2011	"Pediatric Advanced Life Support Instructor Training, Far East Memorial Hospital, Tai-Pei, Taiwan
Feb, 2011	"PALS Implementation in Resource Limited Settings", Paediatric Simulation Education Symposium, Far East Memorial Hospital, TaiPei, Taiwan
Feb, 2011	"Panel Discussion with Taiwan Association", Paediatric Simulation Education Symposium, Far East Memorial Hospital, Tai-Pei, Taiwan
Mar, 2011	"Improving CPR Quality, How Are We Getting There?" 6th World Congress on Pediatric Critical Care One World Sharing Knowledge, Sydney, Australia
Apr, 2011	"Basic Life Support in Botswana: Reconciling Critical Care, Public Health and Advanced Education on a Global Level", American Heart Association Spring Meetings on Emergency Cardiovascular Care, Dallas, TX
May, 2011	"A PICU Attending's Approach", Pediatric Grand Rounds, The Children's Hospital of Philadelphia, Philadelphia, PA
Sep, 2011	"Pediatric Life Support in Resource Limited Settings.", American Heart Association Spring Meetings on Emergency Cardiovascular Care, Dallas, TX
Oct, 2011	"PICU Attendings View", Pediatric Grand Rounds, The Children's Hospital of Philadelphia, Philadelphia, PA
May, 2012	"CPR Quality Manuscript Timeline", American Heart Association Consensus Conference on CPR Quality, Dallas, TX
Sep, 2012	Moderator, "Hands Only CPR debate", Emergency Cardiovascular Care Update, Orlando, Florida
Jan, 2013	"Basics Of Cardiac Resuscitation", Guntur Medical College Conference, Guntur, Andhra Pradesh, India
Jan, 2013	Course Director, Introduction to Simulation Education, Guntur Medical College Conference, Guntur, Andhra Pradesh, India

Jan, 2013	"Introduction to Simulation Education", Guntur Medical College Conference, Guntur, Andhra Pradesh, India
Jan, 2013	"Quality Matters", Guntur Medical College Conference, Guntur, Andhra Pradesh, India
Mar, 2013	"Saving Children's Lives: A Pilot for Tanzania", Muhimbili University, Dar Es Salaam, Tanzania
Apr, 2013	"CPR Quality: Improving Resuscitation Outcomes", American Heart Association Spring Meeting, Dallas, Texas
Apr, 2013	"Saving Children's Lives", American Heart Association Spring Meetings, Dallas, Texas
May, 2013	"PEARS in Botswana", Grand Rounds, Princess Marina Hospital, Gaborone, Botswana
Jul, 2013	"CPR Quality Webinar", International Webinar (online), given to global CPR Community, 1500 people logged into session
Sep, 2013	"PEARS Pilot", Instructor, Dar Es Salaam, Tanzania
Sep, 2013	"PEARS Pilot", Chair and Course Director, Dar Es Salaam, Tanzania
Nov, 2013	"Finding Neo", Bryn Mawr College, Bryn Mawr, PA
Nov, 2013	"Saving Children's Lives", American Heart Association Fall Meetings on Emergency Cardiovascular Care, Dallas, TX
Dec, 2013	"Saving Children's Lives: Novel Training Program for Contextualized Resuscitation Training in Resource Limited Settings", Grand Rounds, Princess Marina Hospital, Gaborone, Botswana
Sep, 2014	"Updates in Pediatric Resuscitation", World Health Organization, Geneva, Switzerland
Nov, 2014	"Fluids in Pediatric Shock: FEAST or Famine", November 14, 2014, 2nd Annual Botswana Pediatric Congress, Gaborone, Botswana
Nov, 2014	"Pediatric Emergency Assessment, Recognition and Stabilization in Kweneng District", November 13, 2014, 2nd Annual Botswana Pediatric Congress, Gaborone, Botswana
Feb, 2016	"Critical Care Needs and Capacity Building in Limited Resource Settings", 45th Critical Care Congress, Orlando, FL
Apr, 2016	"Saving Children's Lives in Global Health: When Public Health Measures Are Not Enough", Keynote Speaker, Research and Education Week, Children's National Medical Center, Washington DC
May, 2016	"Saving Children's Lives: When Public Health Measures Are Not Enough." University of Pennsylvania Center for Epidemiology and Biostatistics, Philadelphia, PA

- Aug, 2016 "Improving Care in District Hospitals Through Saving Children's Lives: Kweneng Experience", International Pediatric Association, Vancouver, Canada
- Aug, 2016 "The Importance of a Cohesive System From Home to Definitive Care in All Settings", International Pediatric Association, Vancouver, Canada
- Sep, 2016 "Saving Children's Lives: Determining The Optimal Implementation Strategy to Care for Critically Ill Children Presenting at Health System Entry", Fundamentals of Implementation Science in Global Health, invited lecturer at the University of Washington, Dept. of Global Health, September 23, 2016, Seattle, WA
- Sep, 2016 "Improving Care In District Hospitals: SCL in Kweneng", B-Line Symposium, Washington DC
- Oct, 2016 "Critical Care and Global Health: Oil and Water or Chocolate and Peanut Butter?" Brown University, Providence, Rhode Island
- Feb, 2017 "Critical Care and Global Health: Stretching the Mind, or Just a Stretch?" Stanford University School of Medicine, Palo Alto, CA
- Mar, 2017 Throwing Stars: _The Impact of the Saving Children's Lives Program on Child Mortality in Botswana, Pediatric Grand Rounds, Arkansas Children's Hospital, Little Rock, AK
- Sep, 2017 "Saving Children's Lives: Reducing Infant and Child Mortality through Active In-Service Training, Quality Improvement and System Monitoring" PALISI Fall Meeting, Montreal, Canada
- Sep, 2017 Saving Children's Lives: A Health Systems QI Program To Reduce U5 Mortality, United States Agency for International Development, Washington DC
- Jun, 2018 Improving Provider Knowledge and Skills of Clinic Based Personnel to Care for Seriously Ill Children in Botswana. Global Health Research Affinity Group/Anes Critical Care International Education Group, Children's Hospital of Philadelphia.
- Nov, 2019 Raising Expectations: Increasing Health Care Worker Knowledge and Performance of Critical Care in Low- and Middle-Income Countries, Northern California Section, Society of Critical Care Medicine, Berkeley, California
- Nov, 2021 Essential Care for Seriously Ill Children: can adaptive e-learning environments improve care?, Pediatric Association of Tanzania Clinical Learning Network Stakeholder meetings, Mwanza, Tanzania
- Feb, 2022 Pediatric Acute Care Education: initial development and feasibility, Pediatric Association of Tanzania Clinical Learning Network Stakeholder meetings, Mwanza, Tanzania

Organizing Roles in Scientific Meetings:

- Apr, 2002 Co-Investigator, Perceived Obstacles for Pediatric Residents and International Health. University Massachusetts Medical Center, Massachusetts Medical, Society Committee on Global Medicine, Worcester, MA
- Aug, 2004 Independent Project: Factors and Outcome of Pediatric Cardiopulmonary Arrest. Design of logistic regression model to identify predictors of survival. Harvard School of Public Health, Boston, MA
- Mar, 2011 Moderator, "Improving CPR Quality, Novel Methods for Improving Blood Flow", Panel Discussion, 6th World Congress on Pediatric Critical Care One World Sharing Knowledge Sydney, Australia
- Sep, 2011 Vice Chairman, National Basic Life Support Committee, Fall AHA Meetings Dallas, TX
- Apr, 2012 Co-Chairman, National Committee: Global Initiatives - Systems of Care, Fall AHA Meetings Dallas, TX
- Apr, 2012 Vice Chairman, National Basic Life Support Committee, Spring AHA Meetings Dallas, TX
- May, 2012 Writing Group Chair, Consensus Conference: CPR Quality; AHA Dallas, TX
- Jul, 2012 Committee Member, NREMT Pediatric Exam Writing Group Columbus, OH
- Sep, 2012 Committee, Chair, "Saving Children's Lives: A3" American Heart Association Emergency Cardiovascular Care Committee Orlando, FL
- Sep, 2012 Writing Group Co-Chair, "CPR Quality: Improving Resuscitation Outcomes", AHA Fall Conference Orlando, FL
- Nov, 2012 "Saving Children's Lives: Interfacing Simulation in a resource limited setting", B-Line Medical Foundation Washington, DC
- Mar, 2013 "Saving Children's Lives", Chair, Emergency Cardiovascular Care Committee Steering Committee, American Heart Association Spring Meeting Dallas, TX
- Mar, 2016 External Reviewer, Updated Guideline: Paediatric Emergency Triage, Assessment and Treatment, World Health Organization Geneva, Switzerland

Jun, 2016	Organizing Committee Member, Global Health Workshop, World Federation of Pediatric Critical Care Toronto, CA
Sep, 2016	Session Chair "Sharing the Ingredients of Effective Pediatric Global Health Partnerships", Global Health Symposium Philadelphia, PA
Sep, 2016	Session Chair, "Defining Progress in Global Health Partnerships", Global Health Symposium Philadelphia, PA
Oct, 2017	Member, Planning Committee, Global Health Symposium Philadelphia, PA

Grants:Active:

Using adaptive e-learning and smartphones to improve newborn and pediatric admission care outcomes in Mwanza, Tanzania, NIH, 1R21TW012612-01A1 12/2024-11/2029 (Peter Meaney, PI), (Role in grant: PI)

Pediatric Subspecialty Global Health Research T32 training program, NIH, 7/2022-6/2027 (Yvonne Maldonado, PI), (Role in grant: Associate Program Director)

Continuation of Tailored Skills Practice Integration and Active Clinical Auditing to Enhance PACE Refresher Module Completion and Establish PAQC Scores, Maternal Child Health Research Institute, 7/2024-12/2025 (Peter Meaney, PI), (Role in grant: PI)

Completed:

Development and Feasibility of Adaptive E-Learning to Save Lives at Birth in Tanzania, Laerdal Foundation for Acute Medicine, 1/2022-12/2022 (Peter Meaney, PI), (Role in grant: PI)

Initial Feasibility and Refinement of Pediatric Acute Care Education (PACE): an Adaptive E-Learning Program for Tanzanian Providers to Increase Child Survival, Maternal Child Health Research Institute, 1/2022-12/2022 (Peter Meaney, PI), (Role in grant: PI)

Development, Feasibility and Pilot Testing of a Digital Learning and Performance Assessment Platform for Healthcare Workers who care for Seriously Ill Children, Center for Innovation in Global Health, 1/2020-12/2022 (Peter Meaney, PI), (Role in grant: PI)

Global Simulation Education Fund, B Line Medical Foundation, 1/2013-7/2018 (Peter Meaney, PI), (Role in grant: Medical Director)

Saving Children's Lives: a collaboration between the American Heart Association and Children's Hospital of Philadelphia to increase pediatric resuscitation capacity in developing countries, American Heart Association, 12/2013-12/2017 (Peter Meaney, PI), (Role in grant: Medical Director)

Saving Children's Lives with CHOP's Center for Global Pediatric Critical Care, Ronald McDonald House Charities, 1/2014-12/2015 (Peter Meaney, PI), (Role in grant: Project Medical Director)

Survive Under 5: mHealth solution for pediatric resuscitation education in developing countries, UPStart Program, University of Pennsylvania, 12/2013-5/2014 (Peter Meaney, PI), (Role in grant: Medical Director)

Acute Care Training for the Peri-Operative Pediatrician, Operation Smile, 2/2009-5/2009 (Peter Meaney, PI), (Role in grant: Content Expert, PI, To transform the existing peri-operative emergency training into a web based training curriculum, manual and standardized set of mock codes with measurable cognitive, technical and behavioral assessment outcomes and documentation.)

Center of Excellence for Innovative Certification in Resuscitation Training, Laerdal Foundation for Acute Medicine, 1/2009-1/2010 (Vinay M Nadkarni, PI), (Role in grant: Co-investigator, Objective: Improve patient safety and outcomes through development and dissemination of novel in-situ simulation training, evidence-based feedback, debriefing and pediatric acute care certification.)

Development and Validation of a Quantitative Measurement Device to Assess Technical Basic Life Support Skills in Resource Limited Settings., The Laerdal Foundation for Acute Care Medicine, 3/2008-3/2009 (Peter A. Meaney, PI), (Role in grant: PI, To develop and validate the Voice Assisted Manikin as a quantitative assessment tool for technical proficiency of basic life support skills)

Bibliography:

Peer Reviewed Publications (original research) (print or other media):

1. Beno S, Osterhoudt KC, **Meaney PA**: An exceedingly agitated patient. Pediatric Emergency Care 20(12): 845-8, Dec 2004.
2. Samson RA, Nadkarni VM, **Meaney PA**, Carey SM, Berg MD, Berg RA. American Heart Association National Registry of CPR Investigators: Outcomes of inhospital ventricular fibrillation in children. New England Journal of Medicine 354(22): 2328-39, Jun 2006. Participated extensively in study design. Participated extensively in data analysis and critically edited manuscript.
3. **Meaney PA**, Nadkarni VM, Cook EF, Testa M, Helfaer M, Kaye W, Larkin GL Berg RA: Higher survival rates among younger patients after pediatric intensive care unit cardiac arrests. Pediatrics 118(6): 2424-33, Dec 2006.
4. Peberdy MA, Ornato JP, Larkin GL, Braithwaite RS, Kashner TM, Carey SM, **Meaney PA**, Cen L, Nadkarni VM, Praestgaard AH, Berg RA: Survival from inhospital cardiac arrest during nights and weekends. JAMA 299(7): 785-92, Feb 2008. Participated extensively in study design. Participated extensively in data analysis and critically edited manuscript.
5. Duncan JM, **Meaney PA**, Simpson P, Berg RA, Nadkarni VM, Schexnayder S: Vasopressin for in-hospital pediatric cardiac arrest: results from the American Heart Association National Registry of

Cardiopulmonary Resuscitation. Pediatric Critical Care Medicine 10(2): 191-5, Mar 2009.

Participated extensively in study design. Participated extensively in data analysis and critically edited manuscript.

6. Fisher BT, **Meaney PA**, Shah SS, Irwin SA, Grady CA, Kurup S, Malefho KCS, Jibril H, Steenhoff AP: Antibiotic use in pediatric patients admitted to a referral hospital in Botswana. The American Journal of Tropical Medicine and Hygiene 81(1): 129-31, Jul 2009. Participated extensively in study design and data collection. Participated extensively in data analysis and critically edited manuscript.
7. Wood SM, Shah SS, Bafana M, Ratner AJ, **Meaney PA**, Malefho KCS, Steenhoff AP: Epidemiology of methicillin-resistant Staphylococcus aureus bacteremia in Gaborone, Botswana. Infection Control and Hospital Epidemiology 30(8): 782-5, Aug 2009. PMID: PMC2905209. Participated extensively in study design and data collection. Participated extensively in data analysis and critically edited manuscript.
8. **Meaney PA**, Nadkarni VM, Kern KB, Indik JH, Halperin HR, Berg RA: Rhythms and outcomes of adult in-hospital cardiac arrest. Critical Care Medicine 38(1): 101-8, Sep 2009.
9. Topjian AA, Localio RA, Berg RA, Alessandrini EA, **Meaney PA**, Pepe PE, Larkin GL, Peberdy MA, Becker LB, Nadkarni VM: Women of child-bearing age have better in hospital cardiac arrest survival outcomes than do equal-aged men. Critical Care Medicine 38(5): 1254-60, May 2010. PMID: PMC3934212. Participated extensively in study design. Participated extensively in data analysis and critically edited manuscript.
10. Niles Dana E, Nishisaki Akira, Sutton Robert M, Brunner Sara, Stavland Mette, Mahadevaiah Shruthi, **Meaney Peter A**, Maltese Matthew R, Berg Robert A, Nadkarni Vinay M: Analysis of transthoracic impedance during real cardiac arrest defibrillation attempts in older children and adolescents: are stacked-shocks appropriate? Resuscitation 81(11): 1540-3, Nov 2010. PMID: PMC3732212. Participated extensively in study design. Participated extensively in data analysis and critically edited manuscript.
11. **Meaney PA**, Nadkarni VM, Atkins D, Berg M, Samson RA, Hazinski MF, Berg RA: Effect of defibrillation energy dose during in-hospital pediatric cardiac arrest. Pediatrics 127(1): e16-e23, Jan 2011.
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Abstracts:

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28. **Meaney PA**: Knowledge accrual following participation pediatric fundamental critical care support (PFCCS) Course in Gaborone, Botswana. Global Health Symposium Oct 2016 Notes: Poster Presentation, Global Health Symposium, Philadelphia, PA.

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Alternative Media:

1. American Heart Association: BLS for Healthcare Providers DVD. American Heart Association 2011.
2. American Heart Association: HeartCode BLS. American Heart Association. Laerdal Medical Corporation, 2011.
3. Instructor: PEARS/PALS Video Shoot. American Heart Association Emergency Cardiovascular Care Committee Jul 2012 Notes: Dallas, TX.
4. Science Advisor: PEARS/PALS Instructor Video Shoot. American Heart Association Emergency Cardiovascular Care Committee Jul 2012.

Patents:

None.