

## **CURRICULUM VITAE**

**Chelsea Willie MD**

**Associate Professor  
Department of Anesthesiology  
Division of Pediatric Anesthesiology**

### **OFFICE ADDRESS:**

Children's Wisconsin - Milwaukee Hospital  
8915 W Connell Court  
Milwaukee, WI 53226  
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### **EDUCATION:**

08/1998 - 05/2002 Bachelor of Science Chemistry with specialization in Biochemistry, University of Virginia, Charlottesville, VA  
08/2002 - 05/2006 Medical Doctor, Eastern Virginia Medical School, Norfolk, VA

### **POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:**

07/2006 - 06/2009 Pediatric Residency, Pediatrics, Helen Devos Children's Hospital, Grand Rapids, MI  
07/2009 - 06/2010 Pediatric Chief Resident, Pediatrics, Helen Devos Children's Hospital, Grand Rapids, MI  
07/2010 - 06/2013 Pediatric Critical Care Fellowship, Pediatrics, Pediatric Critical Care, Ann and Robert H. Lurie Children's Hospital, Chicago, IL  
07/2013 - 06/2016 Anesthesiology Residency, Anesthesiology, University of North Carolina, Chapel Hill, NC  
08/2016 - 07/2017 Pediatric Anesthesiology Fellowship, Anesthesiology, Pediatric Anesthesiology, Children's Hospital of Philadelphia, Philadelphia, PA

### **FACULTY APPOINTMENTS:**

08/15/2017 - 06/30/2022 Assistant Professor of Anesthesiology, Anesthesiology, Pediatric Anesthesiology, Children's Hospital of Wisconsin/Medical College of Wisconsin, Milwaukee, WI  
07/01/2022 - Present Associate Professor, Anesthesiology, Pediatric Anesthesiology, Medical College of Wisconsin, Milwaukee, WI

### **EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:**

09/2017 - Present CHOP Anesthesia Fellow Bootcamp Instructor, Children's Hospital of Philadelphia, Philadelphia, PA  
11/2017 - Present Director of Midwest Pediatric Anesthesia Fellow Boot Camp, Pediatric Anesthesiology, MCW/Children's Hospital of Wisconsin, Milwaukee, WI  
02/22/2019 Instructor: Southeast Regional Pediatric Anesthesiology- Fellowship Transition to Practice Day, Anesthesiology, Pediatric Anesthesiology, University of North Carolina, Chapel Hill, NC  
07/01/2019 - Present Associate Program Director, Anesthesia Residency Program, Anesthesiology, Medical College of Wisconsin, Milwaukee, WI  
11/2019 - Present National Multi-Institutional Pediatric Critical Care Advanced Fellow Simulation Boot Camp Instructor, Medical College of Wisconsin and Children's Wisconsin, Milwaukee, WI  
03/27/2020 Transition to Practice Bootcamp Instructor. Cancelled due to COVID-19, Anesthesiology, Pediatric Anesthesia, Vanderbilt University, Nashville, TN  
08/2020 - Present Associate Program Director, Pediatric/Anesthesia Combined Residency Program, Medical College of Wisconsin, Milwaukee, WI  
05/01/2023 - Present Early Clinical Director, Climb 2, Medical College of Wisconsin

**HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:**

08/03/2020 - Present CW Medical Staff ID&E Co-Chair, Children's Wisconsin  
 07/01/2022 - Present Director of DEI, Anesthesiology, Medical College of Wisconsin, Milwaukee, WI  
 10/2023 - 04/2024 Pediatric Emergency Medicine Chief Search Committee, Medical College of Wisconsin

**HOSPITAL STAFF PRIVILEGES:**

08/15/2017 - Present Pediatric Critical Care Intensivist, Pediatrics, Pediatric Critical Care, Children's Hospital of Wisconsin, Milwaukee, WI  
 08/15/2017 - Present Pediatric Anesthesiologist, Anesthesiology, Pediatric Anesthesiology, Children's Hospital of Wisconsin, Milwaukee, WI  
 07/10/2019 - Present Pediatric Anesthesiologist, Anesthesiology, Pediatric Anesthesiology, Children's Hospital of Wisconsin Surgicenter, Milwaukee, WI  
 02/27/2020 - Present Staff Anesthesiologist, Anesthesiology, Anesthesiology, Froedtert Hospital, Milwaukee, WI

**SPECIALTY BOARDS AND CERTIFICATION:**

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
General Pediatrics	10/12/2009	None
Pediatric Critical Care	11/04/2014	None
Anesthesiology	09/14/2017	12/31/2027
Pediatric Anesthesiology	08/11/2018	12/31/2028

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Licensed Physician and Controlled Substance	Illinois Department of Financial and Professional Regulation	04/30/2010	07/31/2014
Controlled Substance Registration Certificate	Drug Enforcement Administration	07/12/2017	05/31/2026

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
State of Michigan Physician License	4301088449	07/07/2009	01/31/2013
State of Michigan Pharmacy License	5315042445	07/07/2009	01/13/2013
Licensed Physician and Surgeon	036125600	04/28/2010	07/31/2014
State of North Carolina Resident Training License	191392	05/28/2013	02/12/2014
State of North Carolina Full Medical License	191392	02/12/2014	04/20/2021
State of Pennsylvania Training License	MT210510	08/01/2016	07/31/2017
State of Wisconsin Physician License	67603-20	06/30/2017	10/31/2025

**AWARDS AND HONORS:**

1998 - 2002 Dean's List, University of Virginia  
 1998 - 2002 Echols Scholar, University of Virginia  
 1998 President Merit Scholarship  
 1998 - 2002 University Achievement Award (full UVA academic scholarship), University of Virginia

1999 National Collegiate Scholars Honor Society  
 2000 Golden Key Honor Society  
 2001 Raven Society (oldest honorary society at UVA recognizing academic and scholarly excellence),  
 University of Virginia  
 2001 Intermediate Honors, University of Virginia  
 2010 AOA Honor Medical Society  
 09/2014 North Carolina Society Association 1st Place in Resident Poster Session for Original Research,  
 North Carolina Society Association  
 05/2015 Academy of Educators Resident Induction , University of North Carolina  
 06/2016 CRNA's Choice Award- Outstanding Resident of the Year, University of North Carolina Department  
 of Anesthesiology  
 06/2016 Most Outstanding Anesthesia Resident Researcher Award, University of North Carolina Department  
 of Anesthesiology  
 09/09/2019 Excellence in Professionalism Award Nomination, Children's Specialty Group and Children's  
 Wisconsin  
 2019 - 2020 MCW Outstanding Medical Student Teacher for 2019-20, Medical College of Wisconsin  
 11/2022 - 12/2023 CSG Professional Development Grant (\$10,000), CSG

#### **MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

07/2006 - Present American Academy of Pediatrics (Member)  
 07/01/2010 - Present Society of Critical Care Medicine (Member)  
 2010 - Present Alpha Omega Alpha Honor Medical Society (Member)  
 07/01/2013 - Present American Society of Anesthesiologists (Member)  
 01/2015 - Present Society of Pediatric Anesthesiologists (Member)  
 01/2018 - Present Society of Education in Anesthesia (Member)  
 03/01/2018 - Present International Pediatric Simulation Society (Member)  
 04/11/2019 - Present American Association for Physician Leadership (Member)

#### **EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:**

Ad-Hoc Reviewer  
 01/2023 IPSSW 2023 Conference Abstract Reviewer

#### **NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

07/28/2019 Anesthesia Section Resident Forum, Anesthesia Section, National Medical Association Annual  
 Convention  
 04/2023 - Present Member, SPA DEI Committee Member, Society of Pediatric Anesthesia  
 06/2023 - Present Vice Chair, SPA Simulation SIG, Society of Pediatric Anesthesia

#### **RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:**

##### **Active**

##### **Peer Review**

Title:	Airway Bundle QI Project
Role:	Faculty Advisor
PI:	Amidon M, Powell M, Shukla, I, Venkitachalam R (initial). Now ongoing with rotating participants
Dates:	2018 - Present
Title:	A Family-Focused Experience to Enhance Wellbeing of New Anesthesia Residents: A Multi-site Controlled Study
Role:	Site Principal Investigator
PI:	Susan Martinelli
Dates:	08/21/2019 - Present
Direct Funds:	\$0

**Prior****Peer Review**

Title:	Effect of Remifentanyl Administration on Hemodynamic Stability during Placement of a Mayfield Head Fixation Device for Craniotomy. The objective of this study was to assess whether addition of a remifentanyl bolus to a standard drug regimen will attenuate the hemodynamic response to head pin insertion when compared to the standard regimen alone
Role:	Co-Investigator
PI:	Laura Hemmer
Dates:	01/2011 - 06/2013
Direct Funds:	\$0

**Non-Peer Review**

Title:	A Randomized, Prospective Study of Propofol and Ketamine vs. Propofol Alone for Sedation in Painful Pediatric Procedures. The objective of the study was to test the hypothesis that a small dose of ketamine added to a propofol regimen during procedural sedation would decrease the cardiopulmonary instability without prolonging recovery or increasing complications
Role:	Co-Principal Investigator
PI:	John Kopec
Dates:	07/2008 - 06/2010
Direct Funds:	\$0

Title:	Pediatric Intraoperative Emergencies: How Ready is Our Perioperative Team? Quality initiative using high fidelity simulation to develop curriculum for pediatric perioperative staff with a focus to improve response time during Intraoperative emergencies
Role:	Principal Investigator
PI:	Chelsea Willie
Dates:	06/2014 - 06/2016
Direct Funds:	\$0

**INVITED LECTURES/WORKSHOPS/PRESENTATIONS:****Local**

CHOP MOCA Simulation Confederate, MOCA Course, Philadelphia, PA, 05/20/2017  
PACU Nursing Airway Simulation Workshop Guest Lecturer, CHOP PACU Simulation Workshop, Philadelphia, PA, 06/01/2017  
"Day in the Life of an Anesthesiologist/Intensivist", Apprenticeship in Medicine program guest speaker for high school students. The AIM program selects students from diverse backgrounds to participate in a summer program to stimulate interest in careers in medicine, biomedical research, and allied health careers., Milwaukee, WI, 07/13/2021  
Career Insight, Step Up Program (URM Middle School/High School Students), Virtual, 01/29/2022  
Career Highlights, Apprenticeship in Medicine Summer Program, Medical College of Wisconsin, 06/30/2023  
MAAX Visiting Lectureship Presentation, Department of Anesthesiology Grand Rounds, Medical College of

Wisconsin, 03/20/2024

Keynote Presentation: Pieces of Me, BNGAP (Building the Next Generation of Academic Physicians)  
Research Symposium, The Box MKE, 04/01/2024

### **Regional**

Visiting Professor, Riley Children's Pediatric Anesthesia Fellow Simulation Faculty, Indianapolis, IN,  
05/18/2021 - 05/19/2021

Alternative Methods to Teaching, Visiting Professor Grand Rounds, Indiana University Department of  
Anesthesiology, 12/12/2023

### **National**

Willie C, Post-extubation Stridor: Considerations for the Pediatric Patient, American Academy of  
Anesthesiologist Assistants Annual Meeting, Virtual, 04/19/2020

Willie, C, Alternative Approaches to Perioperative Teaching, Visiting Scholars in Pediatric Anesthesia  
Program (VisiPAP) Faculty Exchange Program, Virtual UCSF, 12/07/2020

Willie, C, Faculty Debrief, CHOP Fellow TBI Trauma Simulation, Virtual CHOP, 12/08/2020

Willie C, Alternative Approaches to Teaching, Children's Hospital of Michigan Grand Rounds, Virtual,  
02/12/2021

C Willie, Alternative Methods of Teaching, SSH section for federal government, Virtual, 06/20/2022

Lockman J, Willie C, Moderator Session III: Critical Care Medicine SIG/What Would SPA Do?, Society of  
Pediatric Anesthesia, Anaheim, CA, 04/14/2024

### **International**

Oversaturated Airway Management, Anesthesia Staff and Resident Education, St Peter's Hospital, Addis,  
Ethiopia, 04/09/2018

Neonatal Emergencies, Anesthesia Section Education, St Paul's Hospital, Addis, Ethiopia, 04/11/2018

International Pediatric Symposium and Workshop Professor Rounds, Moderated Clinical Skills Oral  
Presentations at IPSSW, Amsterdam, The Netherlands, 05/16/2018

Anesthesia management pearls and simulation workshop, Parirenyatwa Hospital, Harare, Zimbabwe,  
11/26/2018 - 11/29/2018

Mechanical Ventilation, Anesthesia student and resident education series, Harare Children's Hospital, Harare,  
Zimbabwe, 11/28/2018

TBI and Trauma Simulation, Anesthesia Staff Education, St Peter's Hospital, Addis, Ethiopia, 12/03/2018

Ventilator Management, Anesthesia Staff Education, St Peter's Hospital, Addis, Ethiopia, 12/03/2018

Fetal Development and Simulation Workshop, Anesthesia Staff Education, St. Paul's Hospital, Addis,  
Ethiopia, 12/04/2018

Instructional Design for Resuscitation Moderator, International Pediatric Simulation Symposia and  
Workshops, Toronto, CA, 05/20/2019

Out of OR Anesthesia Safety, Anesthesia Staff Education, St Paul's Hospital, Addis, Ethiopia, 12/04/2019

## **PEER REVIEWED WORKSHOPS/PRESENTATIONS:**

### **Local**

Kopec J, Dull M, Willie C, Reischman D, Hassan N, PRCT of Propofol vs. Propofol and Ketamine for  
Pediatric Procedural Sedation: A Pilot Study, Grand Rapids Medical Educational Program/MSU  
Research Day, Grand Rapids, MI, 04/27/2011

Hemmer LB, Gupta DK, Willie C, Bebawy JF, Carabini LM, The effect of Remifentanyl Administration on  
Hemodynamic Stability during Placement of a Mayfield Head Fixation Device for Craniotomy,  
Children's Memorial Hospital Research Scholar's Day, Chicago, IL, 04/2012

Shah G, Willie C, Reding KB, Erpelding T, McNaull P, Valley R, A Best Practice Guideline : An Updated  
Look at at Protocol for Anesthetic Management for Posterior Spinal Fusions, UNC Resident  
Symposium, Chapel Hill, NC, 04/12/2014

Willie C, Kang M, Berman J, Schoenherr J, Park Y, Survival rates after perioperative massive blood  
transfusion, George Sheldon Resident Research Symposium, Chapel Hill, NC, 05/2014

Willie C, Jutson J, Waller E, Taylor J, Kellish A, Dirito D, Powell K, Joyner B, Baboolal H, McNaull P,  
Blasius K, Children's Operating Rooms on the Ready: Pediatric Perioperative Critical Event Training,  
UNC Commitment to Caring Quality Expo, Chapel Hill, NC, 10/2014

- Willie C, Dowell J, Tam T, Med Ed Gamification: Using the Escape Room Format to Teach, MCW Innovations in Healthcare Conference, Virtual, 09/22/2022
- Dowell J, Titus L, Bryant A, Syed A, Aggarwal P, Zetley L, Bauer S, Willie C, A Retrospective Review of Racial and Ethnic Disparities in Security Activation at Children's Wisconsin, DOP Scholarship in Progress Conference, Milwaukee, WI, 12/12/2022
- Titus L, Bryant A, Syed A, Aggarwal P, Zetley L, Bauer S, Willie C, Dowell J, A Retrospective Review of Racial and Ethnic Disparities in Security Activations at A Midwestern Tertiary Pediatric Hospital, 17th Annual MCW DOP Fellow and Resident Poster Session, Milwaukee, WI, 04/2023

### **Regional**

- Willie C, Kang M, Berman J, Schoenherr J, Park Y, Survival rates after perioperative massive blood transfusion, North Carolina Society of Anesthesiologist's Annual Meeting, Greensboro, NC, 09/2014
- Willie C, Jutson J, Waller E, Baboolal H, McNaull P, Blasius K, Pediatric Intraoperative Emergencies: Educating Our Perioperative Team, Southern Group of Educational Affairs, Charlotte, NC, 04/2015
- Velamati M; Willie, C, Obstruction of Endotracheal Tube During CPAM Resection, Midwest Anesthesia Resident Conference, Virtual, 04/15/2021
- Bryant A, Titus L, Syed A, Aggarwal P, Zetley L, Bauer S, Willie C, Dowell J, A Retrospective Review of Racial and Ethnic Disparities in Security Activations at Children's Wisconsin (won Top 3 Poster Award), MCW Best Practices in Pediatrics Annual Conference, Wisconsin Dells, WI, 03/2023
- Bryant A, Titus L, Syed A, Aggarwal P, Zetley L, Bauer S, Willie C, Dowell, A Retrospective Review of Racial and Ethnic Disparities in Security Activations at A Midwestern Tertiary Pediatric Hospital, Wisconsin Regional Pediatric Critical Care Consortium, 5th Annual Convention, De Pere, WI, 05/2023
- Titus L, Bryant A, Syed A, Aggarwal P, Zetley L, Bauer S, Dowell J, Willie C, A Retrospective Review of Racial and Ethnic Disparities in Security Activations at A Midwestern Tertiary Pediatric Hospital, Children's Research Institute, Milwaukee, WI, 05/2023

### **National**

- Willie C, Kang M, Berman J, Schoenherr J, Park Y, Survival rates after preoperative massive blood transfusion, New York State Society of Anesthesiologists- Post Graduate Assembly in Anesthesiology, New York City, NY, 12/2014
- Potisek M, Blasius K, Cobb K, Willie C, Hobbs G, Jung N, Peripartum Arrest- Is Our Team Ready?, Society of Obstetric Anesthesia and Perinatology Annual Meeting, Colorado Springs, CO, 03/2015
- Willie C, Jutson J, Waller E, Baboolal H, McNaull P, Blasius K, Pediatric Intraoperative Emergencies: Educating Our Perioperative Team, American Society of Anesthesiologist's Annual Meeting, San Diego, CA, 10/2015
- Willie C, Foster J, Barrick B, Kumar P, Bhowmick D, Williams J, Management of Undiagnosed Tracheal Bronchus Variant During 2-stage Anterior/Posterior Spinal Fusion, American Society of Anesthesiologist's Annual Meeting, San Diego, CA, 10/2015
- Willie C, Jutson J, Waller E, Baboolal H, McNaull P, Blasius K, Pediatric Intraoperative Emergencies: How Ready is Our Perioperative Team?, Society for Pediatric Anesthesia, Phoenix, AZ, 12/2015
- Low A, Straube L, Willie C, Halweg P, Berman J, Blasius K, Reducing noise during pediatric inductions: Making anesthesia safer for our children, American Society of Anesthesiologists, Chicago, IL, 10/2016
- Willie C, Tisch J, Low A, Hobbs G, Berman J, Krakowski J, Joyner B, Blasius K, Perception of cognitive aids: An educational simulation experience to assess cognitive aid utilization by our pediatric preoperative team, American Society of Anesthesiologists, Chicago, IL, 10/2016
- Willie C, Qualls T, Martinelli SM, Kolarczyk LM, Redmon BF, Use of TEE via FaceTime to Aid in the Diagnosis of Refractory Hypotension During Robotic Cholecystectomy, American Society of Anesthesiologists, Chicago, IL, 10/2016
- Willie C, Schleelein L, Vincent A, Feldman J, "Anesthesia Now" Events in the PACU: When do they occur and are they preventable?, Society for Pediatric Anesthesia, Austin, TX, 03/2017
- Nelson O, Willie C, Lin E, Fetal Anesthetic Management for Resection of an Intrapericardial Teratoma, National Medical Association, Philadelphia, PA, 07/2017
- Blasius, K, Dalal P, Gurnaney H, Hales R, Joyner B, Man J, McDaniel M, Ng E, Patel S, Rask J, Singh D, Watkins S, Willie C, Young D, Part 1: Simulation in our Pediatric Anesthesia World: An Introduction to Techniques and Tools for Improving Clinical Practice and Teaching (Sponsored by the SPA Simulation SIG), Society for Pediatric Anesthesia, Scottsdale, AZ, 03/23/2018

- Willie C, Galvez J, 3-year-old with one lung, compromised airway, and high airway pressures...oh my!, Society for Pediatric Anesthesia, Phoenix, AZ, 03/25/2018
- Willie C, Galvez J, PBLD: How many holes can a toddler have? Management of a multi-trauma victim, Society for Pediatric Anesthesia, Houston, TX, 03/15/2019
- Willie C, Caplan L, Wayman K, Young D, Pediatric Anesthesia Escape Room: Are You Up for the Challenge? SPA Workshop facilitator for creating an escape room experience based on the mainstream escape room format using simulation principles. Used low-fidelity task trainers, high-fidelity simulated scenarios, and team training to expose participants to a variety of tools that can be used in a novel manner to teach participants pediatric anesthesia concepts, Society for Pediatric Anesthesia Spring Meeting, Houston, TX, 03/15/2019
- Huang A, Willie C, It's just a dental procedure: Chromosomal defects with associated difficult airways, Society for Pediatric Anesthesia, Houston, TX, 03/16/2019
- Blasius K, Dalal P, Gurnaney H, Hales R, Joyner B, Lim D, Mai C, Ng E, Singh D, Watkins S, Willie C, Young D, Simulation in our Pediatric Anesthesia World: Tools and Techniques for Improvement (Sponsored by the SPA Simulation SIG), Society for Pediatric Anesthesia Spring Meeting, Houston, TX, 03/16/2019
- Wong J, Willie C, PBLD: Scalped! Management of a 4-day-old with necrotizing fasciitis, Society for Pediatric Anesthesia, Paradise Island, Bahamas, 02/28/2020
- Boyer T, Blasius K, Mitchell S, Ondecko K, Ambardekar A, Singh D, Gurnaney H, Willie, C, Young D, Prep Your Residents and Fellows for Success- How to Develop and Run ABA-Style Practice OSCEs Today!, Society for Education in Anesthesia Spring Meeting (cancelled for COVID-19), Philadelphia, PA, 05/09/2020
- Patel, P; Willie, C, PBLD: The Unexpected Neonatal Neck Mass, Society of Pediatric Anesthesia, Virtual, 02/25/2021
- Willie, C; Patel S; Singh D; Young D, Zhong J, Chandran N, Gurnaney H; Schwengel D; Miller C; Schiavi A; Dalal P, How to use distance learning techniques effectively to facilitate medical simulation and other education activities, Society of Pediatric Anesthesia Spring Meeting, Virtual, 02/25/2021
- Boyer, T; Mitchell S; Ondecko L; Gurnaney H; Singh D; Blasius K; Willie C; Stein A, Prep your residents and fellows for success- How to develop and run ABA-style practice OSCEs today!, Society for Education in Anesthesia, Virtual, 04/15/2021
- Willie C, Caplan L, Wayman K, Blasius K, Boyer T, Garcia P, Singh D, Helmer Sobey J, PediEscape: A simulation escape room experience...are you up for the challenge?, Society for Pediatric Anesthesia Spring Meeting, Tampa, FL, 04/02/2022
- Boyer T, Caplan L, Garcia P, Khan S, Sawirwes Y, Wayman K, Willie C, Are You Prepared for Challenging Interactions? Practice Approaches and Medico-legal Aspects to Handling Challenging Parental Interactions and Disclosing Unanticipated Events, Society of Pediatric Anesthesia Winter Meeting, Anaheim, CA, 04/12/2024
- Boyer T, Blasius K, Caplan L, Dalal P, Germeroth D, Herbst M, Patel S, Rubin J, Singh D, Willie C, You Have Arrived...Tools to Soften the Transition to Junior Attending, Society of Pediatric Anesthesia Winter Meeting, Anaheim, CA, 04/13/2024

### **International**

- Hemmer LB, Gupta DK, Willie C, Bebawy JF, Carabini LM, The effect of Remifentanyl Administration on Hemodynamic Stability during Placement of a Mayfield Head Fixation Device for Craniotomy, International Anesthesia Research Society Annual Meeting, Boston, MA, 05/2012
- Potisek M, Blasius K, Cobb K, Willie C, Hobbs G, Jung N, From Pediatrics to Obstetrics: Conversion of an Interdisciplinary Clinician Based Simulation Program to Improve Peripartum Emergency Response Times, International Meeting on Simulation in Healthcare, San Diego, CA, 01/2016
- Caplan L, Willie C, Hot Topic: Using the Escape Room Format to Promote Preoperative Simulation, International Meeting on Simulation in Healthcare, San Diego, CA, 01/21/2020
- Caplan L, Willie C, Young D, Wayman K, Singh D, Blasius K, Boyer T, Use of the Escape Room Format to Teach Medical Education Curriculum Workshop, International Meeting on Simulation in Healthcare, San Diego, CA, 01/21/2020
- Caplan, L, Willie, C, Hot Topic: Using the Escape Room Format to Promote Preoperative Simulation, International Meeting on Simulation in Healthcare, Virtual IMSH, 01/19/2021 - 03/31/2021
- Caplan L, Willie C, Hot Topic: Using the Escape Room Format to Promote Preoperative Simulation, International Meeting on Simulation in Healthcare, Virtual, 01/15/2022 - 01/19/2022

Caplan L, Willie C, Young D, Wayman K, Blasius K, Boyer T, Use of the Escape Room Format to Teach Medical Education Curriculum Workshop, International Meeting on Simulation in Healthcare, Los Angeles, CA, 01/18/2022

Caplan L; Willie, C, Hot Topic: Using the Escape Room Format to Promote Perioperative Simulation, International Meeting on Simulation in Healthcare, Orlando, 01/21/2023 - 01/24/2023

Blasius K, Boyer T, Caplan L, Garcia P, Singh D, Tam A, Willie C, Wayman K, Young D, Use the Escape Room Format to Teach Medical Education Curriculum Workshop, International Meeting on Simulation in Healthcare, Orlando, 01/22/2023

Willie, C; Dowell J, Med Ed Gamification: Using the Virtual Escape Room Format to Teach, International Pediatric Simulation Society, Lisbon, Portugal, 05/17/2023

Willie, C; Dowell J; Caplan L; Boyer T, Med Ed Gamification: Implementing the Escape Room Format Across Multiple Platforms, International Pediatric Simulation Society, Lisbon, Portugal, 05/18/2023

Titus L, Bryant A, Syed A, Aggarwal P, Zetley L, Bauer S, Willie C, Dowell J, A Retrospective Review of Racial and Ethnic Disparities in Security Activations at A Midwestern Tertiary Pediatric Hospital, Pediatric Academic Societies Annual Conference, Washington D.C., 05/2023

Titus L, Bryant A, Syed A, Aggarwal P, Zetley L, Bauer S, Dowell J, Willie C, A Retrospective Review of Racial and Ethnic Disparities in Security Activations at A Midwestern Tertiary Pediatric Hospital, Pediatric Hospital Medicine Club "PHM, Health Equity and Advocacy: We Can Make a Difference." 2023 Conference, Washington D.C., 05/2023

Boyer T, Blasius K, Cartwright J, Mitchell S, Singh D, Webb T, Willie C, An Opportunity to Practice Debriefing with Good Intention and Cultural Sensitivity with Clips from "The Office", International Meeting on Simulation in Healthcare, San Diego, CA, 01/22/2024

Willie C, Caplan L, Boyer T, Blasius K, Tam T, Singh D, Garcia P, Chen J, Wayman K, PediEscape: A Simulation Escape Room Experience...Are You Up for the Challenge?, International Meeting on Simulation in Healthcare, San Diego, CA, 01/23/2024

#### **COMMITTEE SERVICE:**

##### **Medical College of Wisconsin**

06/18/2018 - Present Member, Clinical Competency Committee for Pediatric Anesthesia Fellowship, Pediatric Anesthesiology, Anesthesiology, Medical College of Wisconsin

07/01/2018 - Present Member, Program Evaluation Committee for Pediatric Anesthesia Fellowship, Pediatric Anesthesiology, Anesthesiology, Medical College of Wisconsin

07/01/2019 - Present Member, Program Evaluation Committee for Anesthesiology Residency, Anesthesiology, Medical College of Wisconsin

08/15/2019 - Present Chair, Anesthesia Residency Education Committee, Anesthesiology, Medical College of Wisconsin

08/2020 - Present Committee Member, Clinical Competency Committee for Combined Pediatric/Anesthesiology Residency, Pediatrics/Anesthesiology, Medical College of Wisconsin

07/01/2021 - Present Anesthesia Department Representative, Faculty Council, Office of Faculty Affairs, Medical College of Wisconsin

07/01/2022 - Present Committee Member, Curriculum Evaluation Committee, M3-M4 Subcommittee, Medical College of Wisconsin

##### **Hospital**

2007 - 2010 Co-chairman, Mock Code Quality Improvement Committee. Introduced simulator technology to perform mock pediatric codes to better prepare pediatric residents as first responders in code situations, Pediatrics, Helen Devos Children's Hospital

2007 - 2010 Member, Faculty Evaluation Committee. Reviewed curriculum vitae, peer evaluations, and resident evaluations for attending physicians who were involved in resident education., Pediatrics, Helen Devos Children's Hospital

2007 - 2008 Member, Clinic Quality Improvement Committee. Analyzed how well our resident continuity clinic address hypertension in pediatric patients by completing chart reviews, Pediatrics, Helen Devos Children's Hospital

06/2014 - 06/2016 Member, UNC Children's Hospital Simulation Committee. Facilitate use of high fidelity simulation to enhance healthcare provider readiness for various patient clinical situations, University of North Carolina



10/2014 - 06/2016 Member, UNC Anesthesia Patient Safety and Quality Improvement Committee  
 Member. Help to formulate and carry out initiatives for improvement in patient care and safety.,  
 Anesthesiology, University of North Carolina  
 07/2018 - 10/2019 Lead faculty, PICU C-MAC Videolaryngoscope Task Force, Pediatric Critical Care,  
 Children's Hospital of Wisconsin  
 08/2018 - Present Member, Unplanned Extubation Steering Committee, Children's Hospital of Wisconsin  
 2018 - Present Member, Anesthesia Core Epic Team, Pediatric Anesthesia, Anesthesiology, Children's  
 Hospital of Wisconsin  
 09/2020 - Present Committee member, Second victim support program peer mentor, Children's  
 Wisconsin/Froedtert  
 10/2020 - Present Steering Committee Member, Children's Vascular Access Team, Pediatrics, Children's  
 Hospital of Wisconsin  
 04/2021 - Present Committee Member, PIVIE (Peripheral Intravenous Infiltrates and Extravasates)  
 Committee, Children's Hospital of Wisconsin

## **MEDICAL COLLEGE TEACHING ACTIVITIES:**

### **Resident and Fellow Education**

11/11/2017 - Present CHW Annual Midwest Pediatric Anesthesia Fellow Boot Camp Faculty Director.  
 Coordinate program that includes several critical care event scenarios, discussing bad news using a  
 standardized patient, and hands on skills stations (regional anesthesia, difficult airway, acupuncture,  
 vascular access)  
 11/22/2017 Neuromuscular Blockade (CA-1 Resident Lecture Series)  
 05/29/2018 Rescuing the Oversedated Airway (Dental/OMFS Lecture)  
 08/21/2018 - Present CA-1 Impaired Physician and Wellness Workshop. Faculty leader for workshop  
 involving CA-1 residents and their support people that provides information about the impaired  
 physician signs and available support services, chief panel to discuss real life questions, and simulation  
 activities to demonstrate daily activities of the residents for their support people.  
 10/30/2018 PICU Bedside Rounds for Difficult Airway  
 2018 - Present Chronic Lung Disease (Anesthesia Resident Lecture)- given yearly  
 06/26/2019 CA-2/CA-3 Resident Pediatric Board Review  
 09/04/2019 CA-1 Lecture: Debate of Summer Topics  
 10/02/2019 Invasive Monitoring: A Breakout Box Experience  
 11/08/2019 PICU Fellow Bootcamp Faculty Instructor  
 02/19/2020 Anesthetic Considerations for Patients with Endocrine Disease  
 02/25/2020 Preop Anxiolysis: Pharmacologic vs. Other (Faculty Mentor for Robert Kale)  
 05/22/2020 CA-2/CA-3 Resident Pediatric Board Review  
 07/06/2020 CA-1 Drug Practicum: Taught concepts of drug dilution and drug administration  
 08/20/2020 CA-1 Lecture: Anesthetic Complications  
 08/25/2020 - Present CA-1 Lecture: Patient Positioning  
 09/01/2020 - Present Residents as Educators Workshop  
 10/16/2020 PICU Advanced Fellow Bootcamp Faculty Instructor  
 01/13/2021 CA-1 Pediatric Workshop Leader. Organized simulation, airway, and epidural stations.  
 01/13/2021 CA-1 Pediatric Workshop Lecture- NIRS Monitoring  
 05/12/2021 CA-1 Trauma Workshop Faculty. Helped coordinate and participated in trauma simulation  
 07/06/2021 CA-1 Drug Practicum Workshop: Taught concepts of drug dilution and drug administration  
 07/07/2021 CA-1 Mission and Vision Lecture  
 07/12/2021 CA-2 Summer Lecture Series: Anesthesia Complications  
 07/20/2021 CA-1 Impaired Physician/Family Anesthesia Experience Workshop  
 07/22/2021 CA-1 Patient Positioning Workshop  
 07/28/2021 CA-1 OB Workshop Simulation Instructor  
 08/25/2021 Critical Care Conference: Invasive Monitoring  
 09/29/2021 Residents as Teachers Workshop Leader  
 10/14/2021 Pediatric Anesthesiology Lecture: BPD  
 01/05/2022 CA-1 NIRS lecture  
 01/05/2022 CA-1 Pediatric Workshop Leader  
 02/02/2022 - Present Professional Series: Second Victim

05/02/2022 - 07/05/2022 CA-1 Drug Practicum to provide primer to drug dilutions and drug principles  
09/07/2022 CA-1 Mission and Vision Development  
09/14/2022 CA-1 Lecture: Anesthesia Complications  
10/04/2022 - Present CA-1 Workshop: Impaired Physician Workshop  
10/12/2022 CA-1 Endocrine Potpourri  
05/01/2023 Pediatric Anesthesiology Fellow Lecture: Endocrine Potpourri Breakout Box Experience  
09/01/2023 CA-3 Retreat Team Building Activity- Improv Activity  
02/14/2024 CA-1 Anesthetic Considerations for Endocrine Disease Breakout Box Experience  
04/10/2024 CA-1 Board Review Jeopardy Game

### **Continuing Medical Education**

06/28/2018 Pediatric Division Journal Club: Inhalational vs Intravenous Induction of Anesthesia in Children with a High Risk of Perioperative Respiratory Adverse Events (mentored fellow Hamid Reza Vahabzadeh Monshie)  
11/16/2018 - 07/16/2019 Advanced Pediatric Nurse Practitioner Airway Bootcamp Instructor  
02/01/2021 CHW Perioperative Trauma/MTP Workshop Director- Facilitated trauma simulation, utilization of the Belmont, and orientation to new blood bank location/procedures.  
07/19/2021 CHW Perioperative Airway Workshop Director- Developed airway foreign body simulation and had ENT colleagues provide in-service on rigid bronchoscopy for OR staff  
08/20/2021 Pediatric Anesthesia Quality Improvement Conference: Post obstructive pulmonary edema

### **EXTRAMURAL TEACHING:**

#### **Medical Student Education**

2008 - 2010 Michigan State University, Question-Based Augmented Learning Facilitator. QBAL groups consisted of 6-8 Michigan State University second year medical students that met for weekly sessions to discuss practice questions in each core domain (Neurology, Musculoskeletal, Hematology/Oncology, Pulmonary, Cardiovascular). Questions included physiology and pathology as related to clinical practice.  
2014 - 2016 University of North Carolina, Pediatric Anesthesia (Medical Student Lecture)

#### **Resident and Fellow Education**

03/30/2011 Children's Memorial Hospital, Diuretics (PICU fellow lecture)  
2011 - 2013 Children's Memorial Hospital and Ann and Robert H. Lurie Children's Hospital of Chicago, Continuous Renal Replacement Therapy (Bi-Monthly PICU Resident Lecture)  
2011 - 2013 Children's Memorial Hospital and Ann and Robert H. Lurie Children's Hospital of Chicago, Sedation in the PICU (Bi-Monthly PICU Resident Lecture)  
2011 - 2013 Children's Memorial Hospital and Ann and Robert H. Lurie Children's Hospital of Chicago, Acute Tubular Necrosis (Quarterly PICU Resident Lecture)  
04/03/2014 University of North Carolina, Congenital Heart Lesions (Anesthesiology Resident Lecture)  
11/13/2014 University of North Carolina, Thrombocytopenia  
01/23/2015 University of North Carolina, 1st Annual UNC-Duke Pediatric Fellowship Simulation Training. (Simulation Facilitator) Pediatric anesthetic management, critical events, and team training  
09/2016 - 06/2017 Children's Hospital of Philadelphia, Pediatric Mechanical Ventilation (Pediatric Anesthesia Resident Lecture)  
11/29/2016 Children's Hospital of Philadelphia, Rescuing the Oversedated Airway (Dental/OMFS Lecture)  
08/20/2019 Resident Lecture: Bronchopulmonary Dysplasia  
12/09/2020 Children's Hospital/MCW, Pediatric Anesthesiology Fellow Lecture: Endocrine Potpourri  
09/11/2021 Medical College of Wisconsin, Midwest Pediatric Anesthesia Fellow Bootcamp

### **Continuing Medical Education**

04/20/2011 Children's Memorial Hospital, Interesting Case Conferences: Orbital Cellulitis and Epidural Abscess (PICU fellow lecture)  
05/25/2011 Children's Memorial Hospital, Morbidity and Mortality Conference (PICU Department Lecture)  
10/19/2011 Children's Memorial Hospital, Multidisciplinary Journal Club: Plasmapheresis and Sepsis/MODS (PICU fellow lecture)

11/30/2011 Children's Memorial Hospital, Morbidity and Mortality Conference (PICU Department Lecture)

12/21/2011 Children's Memorial Hospital, Interesting Case Conference: Cerebral Sinovenous Thrombosis (PICU fellow lecture)

04/04/2012 Children's Memorial Hospital, Journal Club: Ugley A, Aksu R, Bicer C, Akin A, Altuntas R, Esmaoglu A, Baykan A, Boyac? A. Is the Addition of Dexmedetomidine to a Ketamine-Propofol Combination in Pediatric Cardiac Catheterization Sedation Useful? Pediatric Cardiology. Feb 2012 (PICU fellow lecture)

04/04/2012 Children's Memorial Hospital, Journal Club: Tosun Z, Akun S, Guler G, Esmaoglu A, Boyaci A. Dexmedetomidine-Ketamine and Propofol-Ketamine Combinations for Anesthesia in Spontaneously Breathing Pediatric Patients Undergoing Cardiac Catheterization. Journal of Cardiothoracic and Vascular Anesthesia. 20(4) Aug; 2006:515-519. (PICU Fellow Lecture)

07/31/2012 Ann and Robert H Lurie Hospital, Pediatric Outcome Review

06/2014 - 06/2016 University of North Carolina, Perioperative Critical Training Event Curriculum. Developed several educational sessions and simulation scenarios for pediatric operating room (OR) nurses and scrub technicians in the pediatric OR to better prepare the team for intraoperative pediatric emergencies. Directed workshops on code drug administration, basic airway management, effective CPR, and use of the defibrillator

12/31/2014 - 07/29/2015 University of North Carolina, Morbidity and Mortality Conference

01/29/2015 - 02/05/2015 University of North Carolina, Obstetrical Emergency Simulation Training. (Simulation Facilitator) Adaptation of Perioperative Critical Training Curriculum to prepare obstetrical nurses for peripartum emergencies

06/17/2015 - 02/17/2016 University of North Carolina, Perioperative Critical Event Advanced Curriculum. Built on principles from initial critical training curriculum to review code response and expand on intraoperative scenarios. Introduced further tools such as cognitive aids that could be used during intraoperative pediatric emergencies. Performed LAST simulation with educational workshop to discuss management including intralipid administration

11/05/2015 University of North Carolina, Sedation Review for the PACU (Adult PACU nurse lecture)

02/17/2016 University of North Carolina, PACU Critical Event Training. Used perioperative critical training framework to design simulation experience for adult PACU nursing staff. Performed mock PACU code. Provided educational workshops for airway adjuvants, oxygen administration, and defibrillator use.

04/07/2016 University of North Carolina, Sedation Review for the PACU (Pediatric PACU nurse lecture)

06/01/2016 University of North Carolina, UNC Sedation Team Emergency Medication Educational Session

06/07/2016 University of North Carolina, International Medicine Experience Recap: CURE Hospital Ethiopia

05/25/2017 Children's Hospital of Philadelphia, History and Use of Simulation (Pediatric Anesthesia Fellow Grand Rounds)

10/29/2018 Children's Hospital of Wisconsin, PACU Nurse Simulation Session: Instructed PACU nurses through two PACU simulations using high fidelity simulation

07/22/2019 Children's Hospital of Wisconsin, Director- Code cart and Emergency Drug Workshop. Included Basic airway skills demonstration, defibrillator workshop, and high fidelity simulation to improve initial management steps during a pediatric emergency.

09/30/2019 Children's Hospital of Wisconsin, Director- Airway and Arrhythmia Emergency Workshop. Provided laryngospasm drug review, SVT review, CPR review, and intraoperative code roles.

11/19/2019 - 11/22/2019 Children's Hospital of Wisconsin, Transport Education- RSI Intubations and difficult airway tips and tricks

01/24/2020 Children's Wisconsin/Medical College of Wisconsin, Pediatric Anesthesiology Quality Improvement Conference: Anesthesia Management of Drug Induced Sleep Endoscopy (DISE)

02/10/2020 Children's Hospital of Wisconsin, Director- Local Anesthetic Workshop. Discussed local anesthetic dosing, regional block using local anesthetic, intralipid review, and high-fidelity simulation of local anesthetic toxicity

03/19/2020 - 03/25/2020 Children's Hospital of Wisconsin, PACU Nurse Patient Simulation in New PACU Space. Facilitated PACU scenarios to increase knowledge of equipment and space awareness in new PACU unit.

12/10/2020 Children's Wisconsin/Medical College of Wisconsin, Pediatric Anesthesiology Quality

Conference Improvement: Inadvertent Extubation in the Prone Position

#### **Graduate Student Education**

03/2016 CURE Ethiopia Hospital, Lecture Series for Ethiopian Anesthesia Masters Students (Mechanical Ventilation, Vascular Anesthesia)

08/09/2023 MCW Master of Science in Anesthesia (MSA) Program, Blood Therapy and Transfusion Lecture

08/09/2023 MCW Master of Science in Anesthesia Program, Caring for Diverse Patients Lecture

#### **Postdoctoral Fellow Education**

08/28/2024 MCW Basic and Translational Science Boundaries of Science and Medical Practice, Alternative Methods of Education: The Breakout Box Experience

### **MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:**

#### **Medical Students**

Matt Konz (MS1-MS2), Medical College of Wisconsin, 2018 - 2019 Clinical Apprenticeship, Completed the rotation with evidence of improvement of history taking and physical exam skills.

Albert Bynum, Medical College of Wisconsin, 04/2019 Faculty Advisor- Midwest Anesthesia Residents Conference, Completed presentation "Post-operative hypoxia in the setting of chronic lung disease". Won 1st place at MARC.

Matt Konz, Medical College of Wisconsin, 04/2019 Faculty Advisor- Midwest Anesthesia Residents Conference, Completed presentation "PICU Ethics: Leukapheresis, sepsis, and respiratory failure in a Jehovah's Witness Patient"

Brooke Olson, Medical College of Wisconsin, 2019 - 2020 Clinical Apprenticeship, Completed rotation with evidence of improvement of history taking and physical examination skills

Christine Shen, Medical College of Wisconsin, 07/2020 - Present Faculty Clinical Advisor, Provide guidance for rotation selection and applying to anesthesia residency

Jakara Griffin, Medical College of Wisconsin, 12/2020 - Present Faculty Clinical Advisor, Provide advice on rotation selection and applying to anesthesia residency.

Lila Luna, Medical College of Wisconsin, 01/2021 - 12/2021 Clinical Apprenticeship, Progressing through the rotation with evidence of improvement of history taking and physical exam skills

Syed (Omar) Ali, Medical College of Wisconsin, 02/15/2021 - Present Research, Working on IRB for resident curriculum survey. Will be partnering with OR simulation curriculum.

Mark Ehioghae, Katrina Rauser, Adam Rich, Parnika Telagi, Medical College of Wisconsin, 07/01/2021 - Present 4 C (Coaching for Character, Caring, and Competency) Program, Longitudinal monthly program with M1 students to guide them through personal development throughout their medical school training.

Adriana Perez, Medical College of Wisconsin, 07/2021 - Present Clinical Advisor

Hamid Bangura, Medical College of Wisconsin, 12/2021 - Present MSSRP Faculty Research Mentor

Abiye Agbeh, Medical College of Wisconsin, 12/2021 - Present Clinical Advisor

Helina Feleke, Medical College of Wisconsin, 12/2021 - Present Global Health Pathways Mentor

#### **Clinical/Research Fellows**

Ian Miller, Medical College of Wisconsin, 08/2017 - 07/2018 Clinical Mentor, Successful graduation and job acquisition

Matthew Amidon, Matthew Powell, Ira Shukla, Raja Venkitachalam, Medical College of Wisconsin, 2018 - Present PICU Airway Bundle Quality Project, Completed Airway Bundle distribution and able to show evidence of improvement in document completion and readiness for intubation events in the PICU

James Yawn, Medical College of Wisconsin, 08/2019 - 08/2020 Clinical Mentor, Successful graduation

Priya Patel, Medical College of Wisconsin, 06/2020 - 02/25/2021 Problem Based Learning Discussion, Completed PBLD The unexpected neonatal neck mask at Society for Pediatric Anesthesia National Spring Meeting

Vickren Pillay, Medical College of Wisconsin, 07/20/2020 - Present Quality Project Mentor, Working with airway bundle to enroll our center in NEAR4KIDS database

Vickren Pillay, Medical College of Wisconsin, 07/2020 - Present Faculty Advisor, Expanding PICU

Airway Bundle Quality Project to enter national database NEAR4Kids to continue improvement in readiness for intubation events in the PICU  
Heather Wichman, Medical College of Wisconsin, 10/2020 - 06/2021 Quality Project Faculty Advisor, Guided through the required quality improvement project involving educating about and promoting the SOS Peer Support Program. Provided a resource to better help residents and faculty gain support as second victims in relation to traumatic preoperative events.

### **Residents**

Zachary Wadsworth, Medical College of Wisconsin, 07/2018 - Present Resident Advisor and Mentor  
Andy Vega, Medical College of Wisconsin, 07/01/2021 - Present Faculty resident mentorship program, Andy has started his first year as a resident in the 5-year combined peds/anesthesia program. We have started setting goals for the year.

## **EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS MENTORED:**

### **High School Students**

Laetitia Faye, Children's Hospital of Wisconsin, 06/2019 - 08/2019 Apprenticeship in Medicine, Mentee shadowed several time and completed a final presentation about her experience at the end of the program. Invited me to speak at her classroom to continue medical career conversations. Laetitia entered Cornell University the fall of 2021 and states she hopes to have a career in pediatrics.

### **Medical Students**

Ali Syed, Medical College of Wisconsin/Children's Wisconsin, 12/2021 - Present Quality Research Faculty Mentor  
Tyson McLeish, Medical College of Wisconsin/Children's Wisconsin, 12/2021 - Present Quality Research Faculty Mentor

### **Clinical Staff**

Shannon Dugan, Medical College of Wisconsin/Children's Wisconsin, 12/2021 - Present Quality Research Faculty Mentor

## **PROGRAMMATIC DEVELOPMENTS:**

### **Educational Programs**

#### **Student**

1999 - 2002 Peer Advisor Co-president. Peer advisor for 5-6 first year college students to promote a greater retention rate among African American students at the University of Virginia.

#### **Resident**

08/2016 - 01/2017 CHOP Dental/OMFS Lecture Series Coordinator. Organize fellow lectures for basic topics related to sedation and complications of the pediatric patient.

### **Clinical Programs**

06/2019 - Present CHW Perioperative Emergencies Curriculum for OR Staff  
02/01/2021 CHW Perioperative Trauma/MTP Workshop  
07/19/2021 CHW Perioperative Airway Workshop. Developed airway foreign body simulation and had ENT colleagues provide in-service on rigid bronchoscopy for OR staff.  
10/26/2021 - Present CHW PIV Team Workgroup. Started research and initial inquiry steps in forming a hospital wide vascular access team. Have continued to work towards a proposal to leadership

### **Community Programs**

2000 - 2002 Medical Services Program Director. Organized and trained volunteers for the Pediatrics unit and Emergency Room to foster a rewarding experience for both the volunteers and patients served.  
01/2009 - 06/2010 Central High School Mentoring Program Advisor. Developed one-on-one mentorship program for 9th and 10th graders at a local public high school for students interested in the medical field

**COMMUNITY SERVICE ACTIVITIES:**

- 2003 Community Care Day Emotional Health Committee Member. Aided in coordination of a health program at a local middle school in which a geriatric group and sixth graders came together for an afternoon of health topics and interaction among the different generations.
- 2004 Community Care Day Chairman for Health Screening. Organized health screening for a student run community health fair to provide blood pressure, glucose, and lipid panel assessments with subsequent referrals as deemed necessary.
- 2007 - 2008 Camp Compass Volunteer. Camp Compass is an annual one-day camp created with counselors and activities devoted to help children who have lost a family member to death, better process death and incorporate coping skills into their daily lives. I participated with the arts and crafts team as part of the daily activities.
- 09/2012 By The Hand Volunteer. By the Hand (BTH) is an after school program with several locations in impoverished, inner-city areas throughout Chicago. It focuses on helping students excel in school and create better lives for themselves. I volunteered in a 7th grade classroom to assist students in completing homework assignments and in developing good life skills
- 10/2014 - 06/2016 Go Mentor Volunteer. Met weekly with student from the Salvation Army to help with confidence building and personal growth.

**GLOBAL HEALTH ACTIVITIES:**

- 06/2003 Guatemala Medical Spanish Program. Traveled to Guatemala for three weeks to enhance my knowledge of health care in a third world country. Lived with a local family and met daily with a private tutor while shadowing a pediatrician. Visited sites such as local hospitals, orphanages, and a midwifery clinic
- 03/2012 Kenya Medical Missions. Traveled to Kenya for a short-term medical missions trip in which we set up temporary clinics to see 200-500 patients daily.
- 03/2016 Resident International Anesthesia Scholarship Program. Traveled to CURE Ethiopia Children's Hospital in Addis Ababa, Ethiopia to learn about practicing anesthesia in an environment with limited resources and teach master's nurse anesthetist students
- 04/07/2018 - 04/13/2018 Healing the Children mission trip with ENT surgical group to CURE Hospital and area hospitals in Addis, Ethiopia. Provide volunteer anesthesia, surgical, and audiology medical services to patients in Addis. Provide education to anesthesia staff, residents, and masters students at CURE and multiple area hospitals with goals to encourage safe delivery of anesthesia to children in a low resource area. Served as faculty advisor for MCW anesthesia fellow during the trip who was completing International Elective.
- 11/25/2018 - 11/30/2018 Invited by the Department of Anaesthesia and Critical Care Medicine at the University of Zimbabwe to give lectures and provide educational sessions to the residents and student nurse anaesthetists. Provided several didactic and simulation sessions. Served as faculty advisor to anesthesia fellow during her International Elective.
- 12/01/2018 - 12/07/2018 Healing the Children mission trip with ENT surgical group to CURE Hospital and area hospitals in Addis, Ethiopia. Provide volunteer anesthesia, surgical, and audiology medical services to patients in Addis. Provide education to anesthesia staff, residents, and masters students at CURE and multiple area hospitals with goals to encourage safe delivery of anesthesia to children in a low resource area. Served as faculty advisor for MCW anesthesia fellow during the trip who was completing International Elective
- 12/01/2019 - 12/06/2019 Healing the Children mission trip with ENT surgical group to CURE Hospital and area hospitals in Addis, Ethiopia. Provide volunteer anesthesia, surgical, and audiology medical services to patients in Addis. Provide education to anesthesia staff, residents, and masters students at CURE and multiple area hospitals with goals to encourage safe delivery of anesthesia to children in a low resource area. Served as faculty advisor for MCW anesthesia resident during the trip who was completing International Elective

**ROBERT D. AND PATRICIA E. KERN INSTITUTE FOR THE TRANSFORMATION OF MEDICAL EDUCATION AND NATIONAL TRANSFORMATION NETWORK ACTIVITIES:**

06/2019 - 05/2020 Kern Institute Kinetic3 Teaching Academy: Completed a year-long program emphasizing character, competence, and caring as pillars in growing as educators. Worked with the Children's operating room team to complete a capstone project entitled, "CHW Perioperative Emergences: Are We Prepared?" We used high fidelity simulation and several workshops to improve the comfort level and skill set of the preoperative team to better respond to preoperative pediatric emergencies

#### **EXAMINATIONS:**

09/02/2004 USMLE Step 1  
09/06/2005 USMLE Step 2 CK  
11/12/2005 USMLE Step 2 CS  
06/25/2007 USMLE Step 3  
10/12/2009 ABP General Pediatrics Certification  
07/2014 ABA Basic Examination  
11/04/2014 ABP Pediatric Critical Care Medicine Certification  
07/2016 ABA Advanced Examination  
08/2018 ABA Pediatric Anesthesia Subspecialty Certification

#### **INSTITUTIONAL SERVICE:**

03/28/2024 - 03/29/2024 Led GME Recruitment at AMEC (Annual Medical Education Conference) to reach URiM trainees around the country and generate interest in MCW across specialties

#### **PROFESSIONAL CERTIFICATIONS:**

06/22/2020 Advanced Cardiac Life Support Certification  
07/18/2022 - 07/18/2024 Pediatric Advanced Life Support Certification

#### **PROFESSIONAL DEVELOPMENT:**

06/2001 - 08/2001 Traveler's Summer Research Program. Eight-week summer program at Cornell Medical School for an introduction to the research method. Participated in project involving heat shock proteins in early detection of ovarian cancer.  
04/2009 Nemours Leadership Skills Training Program for the Pediatric Chief Resident  
09/2009 Pediatric Educational Excellence Across the Continuum (PEEAC) Conference. Fostered improvement in teaching skills, curriculum development, and learner evaluation  
05/13/2011 - 05/18/2011 American Thoracic Society Conference Fellowship Track Symposium, San Diego, CA  
04/17/2012 - 04/19/2012 Optimizing Mechanical Ventilation for Children and Infants, Duke University  
01/26/2018 - 01/30/2018 SEA Workshop on Teaching, American Society of Anesthesiologists, Winter Park, FL  
05/03/2019 - 05/05/2019 American Academy of Physician Leaders 2019 Spring Summit Fundamentals of Physician Leadership  
05/06/2019 - 05/10/2019 Participant: Comprehensive Instructor in Medical Simulation Workshop, Center for Medical Simulation (CMS), Harvard University, Boston, MA  
11/23/2019 - 11/24/2019 Participant: Neonatology and Critical Care Point-of-care Ultrasound Course, Children's Hospital of Philadelphia, Philadelphia, PA  
08/13/2020 AMA Academic Coaching Workshop. Transitioned to virtual workshop due to COVID-19  
02/25/2022 - Present Women's Empowerment & Leadership Initiative (WELI): I was selected as a member to WELI and will enter as a protege to work with an advisor to establish a pathway to reach my professional goals. This will involve monthly meetings and additional program initiatives. WELI's goal is to empower highly productive women pediatric anesthesiologists to achieve equity, promotion, and leadership.  
05/2022 - 05/2023 Completed the 2022 AAMC LEAD Certificate Program. This is a one-year, cohort-based, national leadership development certificate program. The program develops transformational leaders in medical education through evidence-based, collaborative learning, and reflective practice. LEAD is targeted to early career to mid-career professionals with faculty appointments who are aspiring to or are already in leadership roles in medical education. Cancelled due to COVID-19 (in 2020). Participated in 2022 cohort as program restarted  
01/2023 - 10/2023 Women's Leadership Learning Collaborative. Empowers MCW's Women Leaders through

9 half day sessions the cover personal development and fundamental leadership skills. Provides networking with other MCW women leaders and participation in group coaching. Created a project to enrich the department and advance my relationship with my department chair.

03/2023 Heroic Public Speaking CORE. 2 day intensive class to learn techniques for enhancing public speaking skills. This is an introductory class to the advanced, master level program that I will pursue in Fall 2023

09/07/2023 - 09/10/2023 ASA Executive Physician Leadership Program

09/2023 - 03/06/2024 Heroic Public Speaking GRAD program completion.

#### **VOLUNTEER EDUCATIONAL ACTIVITIES:**

10/2021 SNMA Mock Interviewer

### **BIBLIOGRAPHY**

#### **Refereed Journal Publications/Original Papers**

1. Willie, C. Critical Appraisal of: Karam O, Tucci M, Ducruet T, Hume HA, Lacroix J, Gauvin F: for the Canadian Critical Care Trials Group and the PALISI Network. Red blood cell transfusion thresholds in pediatric patients with sepsis. doi: 10.1097/PCC.0b013e3181fe344b PedsCCM Evidence-Based Journal Club. .
2. Willie C, Chen F, Joyner BL, Blasius K. Using high-fidelity simulation for critical event training. Med Educ. 2016 Nov;50(11):1161-1162.
3. Chen F, Isaak R, Afroze F, et al. (February 8, 2023) A Multi-Site Survey Study on the Association Between the COVID-19 Pandemic and United States Anesthesiology Residents' Mental Health. Cureus 15(2): e34782. DOI 10.7759/cureus.34782.

#### **Books, Chapters, and Reviews**

1. Kopp W, Willie C, Petersen TL. Chapter 6: Invasive Vascular Access. In: Pediatric Critical Care: A Primer for All Clinicians. Kane J, Wolfson R, Berger Sand Hageman JR, (eds.) Nova Science Publishers, Hauppauge, NY. pp. 439-454 (in press 2019)
2. Willie C, Blasius K. Pediatric Emergence Delirium- Don't Overcall It, Don't Undercall It, and Don't Let It Happen. In: Avoiding Common Anesthesia Errors 2nd Ed. Marcucci, Gierl, Kirsch, Editors. Wolters Kluwer Publishers, Philadelphia, PA. 2020
3. Narayan S, Willie C. Chapter 39: Cardiopulmonary Resuscitation. In: Clinical Pediatric Anesthesiology, McGraw-Hill, Ellinas H, Matthes K. 1st Edition, 2021
4. Blasius K, Streiff A, Singh D, Dalal P, Sinz E, Willie C, Patel S. Simulation in Pediatrics. In: Comprehensive Healthcare Simulation: Anesthesiology 1st Edition. Mahoney, Minehart, Pian-Smith, Editors. Springer Nature Switzerland AG. 2020 (available Dec 19, 2019)
5. Chen F, Isaak R, Afroze F, Mulaikal TA, Licatino LK, Ladlie B, Jain A, Willie C, Bairde E, Hayes BH, Carter T, Zisblatt L, Diachun C, Martin TW, Marshall JM, Huffmyer J, Hindle AK, Stahl DL, Liu Y, Martinelli SM. A Multi-Site Survey Study on the Association Between the COVID-19 Pandemic and United States Anesthesiology Residents' Mental Health. Cureus. 2023 Feb;15(2):e34782. PMCID: PMC10005895

#### **Peer Reviewed Educational Products**

1. Kale, R., Willie, C. (2020) Peds SIM 9: Communication Challenges with Teenage Patients and Their Parents Anesthesia Education Toolbox <https://www.anesthesiatoolbox.com/docs/DOC-5510> Published 9/13/20
2. Willie, C. (2021) PedsR Lecture 15: Learning the Signs of a Very Sick Child. Anesthesia Education Toolbox <https://learn.anesthesiatoolbox.com/products/pedsr-lecture-15-signs-of-a-very-sick-child> Published 1/7/21