

Nikki Marie Binz, MD, FACEP

(Former Name: Nikki Binz Waller)

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Current Position: Assistant Professor
Residency Program Director
Department of Emergency Medicine
University of North Carolina School of Medicine

Education

2007-2010 Emergency Medicine Residency
University of North Carolina Hospitals
Chapel Hill, NC

2003-2007 University of North Carolina School of Medicine
Chapel Hill, NC
M.D. 2007

1999-2003 University of North Carolina at Chapel Hill
Chapel Hill, NC
B.S. Biology with Honors, B.A. Spanish

Licensure/Certification

2011- American Board of Emergency Medicine Certified Physician
2009- North Carolina Medical License

Professional Experience

September 2015 – current Residency Program Director
Assistant Professor of Emergency Medicine
Attending Emergency Medicine Physician
University of North Carolina at Chapel Hill

May 2011 – August 2015 Assistant Residency Program Director
Assistant Professor of Emergency Medicine
Attending Emergency Medicine Physician
University of North Carolina at Chapel Hill

July 2010- April 2011 Attending Emergency Medicine Physician
Duke Raleigh Hospital, Raleigh, NC

July 2010 – April 2011	Clinical Instructor Attending Emergency Physician University of North Carolina at Chapel Hill
January 2010-June 2010	Attending Emergency Physician, 2010 EmCare Person Memorial Hospital, Roxboro, NC
January 2010-June 2010	Attending Emergency Physician, 2010 Team Health Onslow Memorial Hospital, Jacksonville, NC
June 2007-June 2010	Emergency Medicine Resident University of North Carolina Hospitals Chapel Hill, NC
June 2004-August 2004	Research Assistant Preceptor: Dr. Lisa A. Carey, M.D. University of North Carolina Hospitals Chapel Hill, NC
June 2002-May 2003	Research Assistant Preceptor: Dr. Frank Church, Ph.D. University of North Carolina School of Medicine Chapel Hill, NC

Professional Memberships

2016-	American Association of Women Emergency Physicians (AAWEP)
2012 -	Society of Academic Emergency Medicine (SAEM)
2012 -	Academy of Geriatric Emergency Medicine
2007 -	American College of Emergency Physicians (ACEP)
2002 -	Phi Beta Kappa

Honors

2017	Academy of Educator's Medical Student Advisor Award
2017	UNC School of Medicine Program in Leadership Development Faculty Leadership Initiative Course
2016	Fellow of the American College of Emergency Physicians (FACEP)
2016	UNC School of Medicine Academic Career Leadership Academy in Medicine (ACCLAIM) Scholar
2016	Glasgow Award Selected by EM residents as the attending most preferred in the midst of ED chaos.
2015	John A. Hartford Scholar
2014	MERC at CORD Scholars' Certificate
2013	MERC at CORD Scholars' Program

- 2013-2014 UNC School of Medicine Teaching Scholars Program
 2013 UNC Academy of Educators Freshman Faculty Award
 Award and recognition for junior faculty for innovations in teaching.
 2013 Glasgow Award
 Selected by EM residents as the attending most preferred in the midst of ED chaos.
 2013 University of North Carolina School of Medicine Academy of Educators Inductee
 2013 Medical Education Research Certificate at CORD Scholar
 2011-2012 ACEP Teaching Fellowship
 2 week conference to improve teaching skills and develop innovative curriculum for residents and medical students, as well as faculty.
 2005 Eugene S. Mayer Society Inductee

University of North Carolina at Chapel Hill

- 2003 Honors in Biology
 Awarded to students who complete a substantial independent research project, write an honors thesis, present their work at the honors symposium, and maintain a 3.4 GPA.
 2002 Phi Beta Kappa
 2002 Sterling Stouemire Medal for Excellence in Spanish
 Recognizes senior students who obtain a 3.5 GPA overall and in their language courses.

Publications:

In the News:

1. Poe, K. "ER doctors at UNC Hospitals look for ways to relate, quickly, to patients." *News and Observer* [Raleigh, NC] 23 November 2012. Print.

Books

1. **Waller N.** (2015) Complications of Gynecologic Procedures. In J Tintinalli (Ed.), *Tintinalli's Emergency Medicine: A Comprehensive Study Guide 8th Edition*. McGraw-Hill Education/Medical; 8 edition.
2. **Waller N, Mehrotra, A.** (2015). Pericarditis, Myocarditis, and Endocarditis. In A Mattu (Ed), *Cardiovascular Emergencies*. Dallas, TX: ACEP.

Published Peer Reviewed Articles

1. Soares W, Shenvi C, **Waller N**, Johnson R, Hodgson C. (2017) Perceptions of Unprofessional Social Media Behavior Among Emergency Medicine Physicians. *Journal of Graduate Medical Education*: February 2017, Vol. 9, No. 1, pp 85-89.
2. Wilson L, Roberts E, **Waller N**, Biese K, Caprio T, Busby-Whitehead J. Three Standardized Patient Cases to Teach the Confusion Assessment Method to Diagnose Delirium. *MedEdPORTAL*; 2013. Available from: www.mededportal.org/publication/9393.
3. Rehault SM, Zechmeister-Machhart M, **Binz NM**, Fortenberry YM, Cooper ST, Geiger M, and FC Church. Characterization of recombinant human protein C inhibitor expressed in *E. coli*, *Biochimica Biophysica Acta*. 1748: 57-65. (2005)

Published Abstracts

1. **Waller N**, Shenvi C, Wilson L, Roberts E, Biese K, Busby Whitehead J. "Geriatric Longitudinal Integrated Curriculum for Emergency Medicine Residents." *Western Journal of*

Emergency Medicine. 2016, Volume XVII, Supplement, S56, Abstract 33. Full text first published online on August 10, 2016.

2. Wilson LA, Roberts E, Hollar D, **Waller N**, Biese K, Busby-Whitehead J. "An Innovative Approach to Teaching Delirium Using Standardized Patients." *Journal of American Geriatrics Society*. 2013, Volume 61, Issue Supplement s1, S43, Abstract A75. Full text published first online on April 3, 2013.
3. **Waller N**, Biese K, Barrio K, Howarth C, Roberts E, Busby-Whitehead J. Geriatric Abdominal Pain Game. 2013 Innovations. *Academic Emergency Medicine*. 2013; 20: Issue Supplement s1, S338, Abstract 4. Full text published first online on April 23, 2013.
4. **Waller N**, Biese K, Barrio K, Howarth C, Roberts E, Busby-Whitehead J. "Geriatric Abdominal Pain Game." *Journal of American Geriatrics Society*. 2013; 61: Issue Supplement s1, S45, Abstract A82. Full text published first online on April 3, 2013.

Other Web-Based/ Digital Resource Publications:

1. Shenvi C, **Binz N**. 10 Tips on How to Succeed Your First Year Out After Residency Graduation. *Academic Life in Emergency Medicine*. May 24, 2017. Available from: <https://www.aliem.com/2017/05/10-tips-succeed-first-year-after-residency-graduation>
2. Shenvi C, **Waller N**. "Missed Airways and How Not to Post HIPAA Violations on Social Media." *Tough Call. Emergency Physicians Monthly*. Jan 16 2017. Available from: <http://epmonthly.com/article/missed-airways-not-post-hipaa-violations-social-media>
3. Shenvi C, **Waller N**. "Quick answers Sticky Problems." *Tough Call. Emergency Physicians Monthly*. December 5 2016. Available from: <http://epmonthly.com/article/quick-answers-sticky-problems>
4. Wilson, LA, Roberts E, **Waller N**, Biese K, Caprio A and Busby-Whitehead J. First Think Delirium! An effective way to teach residents and fellows about delirium. *POGOe - Portal of Geriatric Online Education*; 2013 Available from: <http://www.pogoe.org/productid/21632>
5. **Waller N**, Biese K, Barrio K, Howarth C, Roberts E, Busby-Whitehead J. Geriatric Abdominal Pain Game. *POGOe- Portal of Geriatric Online Education*; 2013 Available from: <http://www.pogoe.org/productid/21386>

Scientific and Academic Presentations:

National/ International

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| 2017 | Binz N , Shenvi C.
10 Tips on How to Succeed Your First Year Out After Residency Graduation
Oral Presentation, 75 attendees
Council of Emergency Physicians Residency Directors Academic Assembly 2017
Fort Lauderdale, FL. April 29, 2017 |
| 2016 | Waller N , Shenvi C, Wilson L, Roberts E, Biese K, Busby Whitehead J.
Geriatric Longitudinal Integrated Curriculum for Emergency Medicine Residents
Poster Presentation
Council of Emergency Physicians Residency Directors Academic Assembly 2016
Nashville, TN. March 6, 2016 |
| 2015 | EMRA Medical Student Forum |

Panel presenter
American College of Emergency Physicians Scientific Assembly 2015
Boston, MA. October 25, 2015

- 2015 Cioffredi LA, Skinner A, Knowles JD, Hasty SE, **Waller N**, Mills WA, Lohr JA.
Assessing AUDIT and CRAFFT Tools in Adolescents and Emerging Adults
Presenting with Injury
Poster Presentation
Pediatric Academic Societies Meeting
San Diego, CA. April 25, 2015.
- 2014 Lohr JA, Knowles JD, Hasty SE, **Waller N**, Mills WA, Skinner A. Alcohol Use
and Past Risky Behaviors in 14-25 Year Olds with Injuries in Emergency
Department
Poster Presentation
Pediatric Academic Societies Meeting
Vancouver, Canada. April 3, 2014
- 2013 **Waller N**, Barrio K, Wilson L, Roberts E. Precise Evaluation of the Emergency
Department
Geriatric Patient: An innovative, interactive curriculum.
Oral Presentation, >20 attendees
Reynolds Annual Grantee Meeting
Coronado, CA. October 22, 2013.
- 2013 **Waller N**, Biese K, Barrio K, Howarth C, Roberts E, Busby-Whitehead J.
Geriatric Abdominal Pain Game.
Poster Presentation
Society Academic Emergency Medicine National Academic Assembly
Atlanta, GA. May 16, 2013.
- 2013 Wilson L, **Waller N**, Biese K, Roberts E, Busby-Whitehead J.
Materials/ Methods Swap: First Think Delirium! An effective way to teach
residents and fellows about delirium.
Oral Presentation, > 50 attendees
American Geriatrics Society National Annual Assembly
Grapevine, TX. May 4th, 2013.
- 2013 Biese K, **Waller N**, Barrio K, Howarth C, Roberts E, Busby-Whitehead J.
Materials/ Methods Swap: Geriatric abdominal pain game.
Oral Presentation, > 50 attendees
American Geriatrics Society National Annual Assembly
Grapevine, TX. May 4th, 2013.
- 2013 Wilson L, **Waller N**, Biese K, Roberts E, Busby-Whitehead J.

First Think Delirium! An effective way to teach residents and fellows about delirium.

Poster Presentation

American Geriatrics Society National Annual Assembly

Grapevine, TX. May 3rd, 2013.

- 2013 **Waller N**, Biese K, Barrio K, Howarth C, Roberts E, Busby-Whitehead J.
Geriatric Abdominal Pain Game
Poster Presentation
American Geriatrics Society National Annual Assembly
Grapevine, TX. May 3rd, 2013.
- 2013 **Waller N**, Biese K, Barrio K, Howarth C, Roberts E, Busby-Whitehead J.
Geriatric Abdominal Pain Game
Oral Presentation, > 200 attendees.
Council of Emergency Medicine Residency Directors, National Annual Assembly
Denver, CO. March 7, 2013.
- 2013 Wilson LA, Roberts E, Hollar D, **Waller N**, Biese K, Busby-Whitehead J. An
Innovative Approach to Teaching Delirium Using Standardized Patients
Poster Presentation
Council on Emergency Medicine Residency Directors National Academic
Assembly
Denver, CO. March 7, 2013
- 2012 Wilson LA, **Waller N**, Adams S, Iwata I, Biese K, Vanderberg E.
Using Standardized Patients and Collateral Informants in Geriatric Medicine
Education
Didactic Oral Presentation/Workshop
The Donald W. Reynolds Foundation 2012 Reynolds Grantee 19th Annual
Meeting
St. Louis, Missouri. October 22, 2012.
- 2012 Wilson LA, Roberts E, Hollar D, **Waller N**, Biese K, Busby-Whitehead J. An
Innovative Approach to Teaching Delirium Using Standardized Patients
The John A. Hartford Foundation Interdisciplinary Scholars Communications
Conference
Chicago, Illinois, July 10, 2012.

Local/Regional

- 2013 AOE Next Generation Learners
Didactic

Grand Rounds

- 2016 Precise Evaluation of Elderly Patients in the Emergency Department
Wake Forest University Department of Emergency Medicine

March 2, 2016
2011 EM Grand Rounds, Duke Raleigh Hospital
Presented to department physicians and nurses a 1 hour lecture entitled, "Syncope."

Teaching Activities: Medical Student Education

Course Director

2013- 2017 Advance Practice Selective, Geriatric Emergency Medicine and Transitions of Care, UNC Hospitals Emergency Medicine (APSM 409 07)

Course Faculty

2015-2016 Instructor: Patient Centered Care Course
MSI-II course (18 months) to teach medical students the core clinical skills—History-Taking, Physical Examination, Communication, Clinical Reasoning, Patient-Centered Care, and Professionalism— necessary for future patient care

2014- 2015 Instructor: Clinical Skills Integration Course
MSII course to further develop basic clinical medicine skills in second year medical students. Meets weekly for 3 hours during the academic year.

2013- 2014 Instructor: Clinical Skills Development Course
MSI course to introduce first year medical students to basic clinical medicine skills. Meets weekly for 3 hours during the academic year.

Advisor

2012-present UNC School of Medicine Women's Mentor, American Medical Women's Association (AMWA)
Pair with female medical students interested in our field to mentor in career planning and development, as well as personal wellness.

Medical Student Lectures

2017 Seminar Leader: Emergency Medicine Medical Student Bootcamp
2 day course provided yearly during Capstone Course to 4th year medical students who matched in EM to better prepare them for their internship. Taught the module on orthopedic splinting and helped organize the curriculum, 15 students

2017 Lecture: Death Notification
1.5 hour didactic for MSIV students in the Capstone Course

2016 Seminar Leader: Emergency Medicine Medical Student Bootcamp
2 day course provided yearly during Capstone Course to 4th year medical students who matched in EM to better prepare them for their internship. Taught the module on orthopedic splinting and helped organize the curriculum, 20 students

2016 Instructor: Transitions Course
Small group workshop to prepare third year medical students for their clinical rotations

2015 Instructor: Transitions Course
Small group workshop to prepare third year medical students for their clinical rotations

2015 MS4 Capstone Course Instructor
Hands-on workshop on Ultrasound for graduating medical students

2015 Seminar Leader: Emergency Medicine Medical Student Bootcamp

- 2 day course provided yearly during Capstone Course to 4th year medical students who matched in EM to better prepare them for their internship. Taught the module on orthopedic splinting and helped organize the curriculum, 20 students
- 2013 **Seminar Leader: Emergency Medicine Medical Student Bootcamp**
2 day course provided yearly during Capstone Course to 4th year medical students who matched in EM to better prepare them for their internship. Taught the module on orthopedic splinting and helped organize the curriculum, 10 students
- 2012 **Airway Management Skills Workshop**
Led workshop for MSIV students as part of Capstone course, 30 students
- 2012 **Lecture: Geriatric Abdominal Pain Game**
1 hour didactic for MSI and MSII students in the Geriatric Interest Group, 20 students
- 2012 **Seminar Leader: Emergency Medicine Medical Student Bootcamp**
2 day course provided yearly during Capstone Course to 4th year medical students who matched in EM to better prepare them for their internship. Taught the module on orthopedic splinting and helped organize the curriculum, 10 students
- 2011 **Airway Management Skills Workshop**
Led workshop for MSIV students as part of Capstone course, 30 students
- 2011 **Lecture: Careers in Emergency Medicine**
Annual hour long lecture on emergency medicine careers, 100 students
- 2010 **Seminar Leader: Wound Repair Clinic**
Taught a wound repair clinic for first and second year medical students, 60 students
- 2009- 2010 **Medical Student Resident Director**
Coordinated medical student rotations through the Emergency Department. Revamped the curriculum to include more interactive didactics and simulation sessions.
- 2009 – 2010 **Seminar Leader: Emergency Medicine Simulation for Medical Students**
Weekly simulation scenarios for fourth year medical students as part of Emergency Medicine clerkship.

Residents and Fellows:

UNC Emergency Medicine Residency Program Director

The Emergency Medicine Residency Program is a three-year training program with 10 residents per year, 30 total residents. I served as Assistant Residency Director for the Emergency Department from 2011 – 2015 and became the Program Director in September 2015. I oversee the leadership team and daily operations of the program. I am responsible for designing and monitoring their clinical and didactic curriculum, mentoring them through the process of becoming an emergency medicine physician, and ensuring that they are competent to care for patients when they graduate from residency. Along with the leadership team, I interview applicants interested in UNC who are applying for the match in EM. I serve as the intern class advisor and conduct semi-annual evaluations and organize class-specific didactics (including adjusting to residency, preparing for second year). I also serve as a mentor for residents interested in an education concentration during residency. This position is a remarkable privilege and an important professional responsibility, accounting for roughly 30 hours per week of my efforts.

Resident Lectures:

- 2017 **Instructor: Chief Resident Leadership Workshop, “Delivering Bad News,”**
2 hour didactic to instruct chief residents on delivery bad news as well as providing them with the tools to teach and provide feedback to their residents

- 2017 EM Intern Orientation
- 2016 Instructor: Chief Resident Leadership Workshop, “Delivering Bad News,”
2 hour didactic to instruct chief residents on delivery bad news as well as providing them with the tools to teach and provide feedback to their residents
- 2016 Residents as Teachers Didactic
- 2015 Module Leader: Obstetrics and Gynecology in the Emergency Department
Designed and taught 1-month module with 5 hours of didactics on OBGYN disorders in the ED
- 2015 Transitions of Care
Didactic to teach residents on transitions of care within the ED and best practices for these transitions, including an EPIC dot phrase
- 2015 Chief Resident Immersion Training in the Care of Older Adults
Faculty Leader and Presenter
Organized a weekend conference to prepare and train rising chief residents of all specialties in their new roles and in the care of older adults
- 2015 Orthopedic splinting in the ED
2 hour Hands-on small group didactic to EM residents to learn splinting techniques
- 2015 CLER Resident Journal Club
Faculty participant
- 2015 Joint Oral Board Practicum with Duke EM
- 2014 Residents as Teachers Didactic
- 2013 CPC Faculty Discussant, 3rd place Winner
- 2013 Instructor: Chief Resident Leadership Workshop, “Delivering Bad News,”
2 hour didactic to instruct chief residents on delivery bad news as well as providing them with the tools to teach and provide feedback to their residents
- 2013 Residents as Teachers Didactic
- 2013 Module Leader: Obstetrics and Gynecology in the Emergency Department
Designed and taught 1-month module on OBGYN disorders in the ED
- 2012 Residents as Teachers Symposium
4-hour yearly curriculum aimed to teach residents to become effective teachers. Topics include adult learning theory, small group discussions, lectures, bedside teaching, and feedback
- 2012 Inter-disciplinary Seminar Leader: Delirium recognition and intervention
Designed and implemented delirium session with standardized patients for training residents and nurses in delirium recognition and intervention
- 2011 Module Leader: Obstetrics and Gynecology in the Emergency Department
Designed and taught 1-month module on OBGYN disorders in the ED.
- 2010- current Weekly Seminar Leader: Emergency Medicine Resident Interactive Hour
1 hour interactive didactics for weekly EM conference 1-3 times per month. Including but not limited to mock oral board cases, morning report case reviews, and board review questions

Other Learners:

- 2009-current Carpe Diem Speaker
An alcohol education and awareness program for undergraduate students that provides a program for students who have been charged with an alcohol violation and offered a deferred prosecution from the court.
- 2014 Lecture: Alpha Epsilon Delta
Lectured to undergraduate students in the pre-health professional honor society at UNC about life as an EM physician

Clinical Teaching:

- 2010- current Attending Emergency Medicine Physician, UNC Emergency Department

Supervising residents and medical students rotating through the ED

Grants Funded

Active:

- UNC Institute for Healthcare Quality Improvement
Role: Advisor, Faculty Leader
PI: Daryhl Johnson, MD
Dates: 2016 – 2017
Source: UNC Hospitals
Amount: \$50,000
Objective: Improve patient outcome, staff satisfaction and the patient experience by improving the efficiency, consistency and reliability of trauma resuscitations

Inactive:

- John A. Hartford Scholar
Role: Scholar
Mentors: Kevin Biese, Ellen Roberts, Jan Busby-Whitehead
Dates: 2015 – 2016
Source: John A. Hartford Foundation, Carolina Center of Excellence in Geriatric Medicine and Training
Amount: \$2,500
Objective: Create and evaluate interactive Geriatric EM didactics and incorporate into a systems-based, monthly-module curriculum of weekly EM residency educational conferences
- Chief Resident Immersion Training in the Care of Older Adults
Role: Faculty Leader
PI: Deb Bynum
Dates: July 1, 2013- June 30, 2015
Source: Association of Directors of Geriatric Academic Programs
Amount: \$100,000
Objective: To train chief residents at UNC in fundamental principals of caring for older adult in order to encourage enhanced care of older adults throughout the institution.
- Next Step in Physicians' Training in Geriatrics
Role: Scholar
PI: Jan Busby-Whitehead
Dates: January 1, 2011 – December 31, 2014
Source: Donald W. Reynolds Foundation
Amount: \$1,000,000
Objective: Train medical and surgical residents throughout the UNC system in fundamental principles of geriatric care.

Professional Services:

National

- CORD Transitions of Care Task Force, 2013-current
Task force member charged with developing improved standardized method for transitioning care

University of North Carolina at Chapel Hill School of Medicine

2017	Department of Pediatrics Chair Search
2013-current	EM Clinical Competency Committee
2014-2015	UNC School of Medicine Teaching Scholars Program Faculty Development Program aimed at enhancing teaching skills
2013 -current	UNC School of Medicine Academy of Educators Inducted in 2013
2012- current	UNC School of Medicine Women's Mentor, American Medical Women's Association (AMWA) Pair with female medical students interested in our field to mentor in career planning and development, as well as personal wellness.
2003-2007	Student Health Action Coalition Community Clinic, Interpreter and Pediatric Coordinator Evaluated patients and served as Spanish translator at free student-run clinic for Chapel Hill-Carrboro community. I also served as the Pediatric Coordinator and organized free clinics for school, sports physicals and immunizations.

UNC Hospitals

2016-current	Central Line Insertion Course Project EM faculty advisor
2016-current	UNC EM Wellness Committee member
2015-current	UNC EM Faculty Recruitment Committee member
2015-current	GME Moonlighting Committee member
2015-current	GME Committee member
2011-current	UNC EM Educational Committee member
2011- 2015	UNC EM Department Website and IT Faculty Representative Work with program developer to keep information current and informative on the website as well as make innovative improvements.
2011-2012	Pneumonia Improvement Collaborative, Committee Member, Committee to improve antibiotic timing and selection in the ED as well as the hospital. Also address the pneumonia core measures and problem-solve barriers to meeting these.
2007-2008	House Staff Council Representative Served as the EM residency program representative to the Council.

UNC Campus

2014-current	High Risk Alcohol and other Drugs Committee
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