

ANTHONY BLASH, PHARM.D, BCOMPSC, CPHIMS

EDUCATION

Doctor of Pharmacy, Creighton University, Omaha, NE – Aug/2000

Pharmacy Informatics Residency, Creighton University, Omaha, NE – Aug/1996

Bachelor of Science, Pharmacy, Long Island University, Brooklyn, NY – Sep/1995

Bachelor of Science in Computer Science, MIS, Kean University, Union, NJ – Jan/1991

PROFESSIONAL LICENSURE & CERTIFICATION

Certified Professional in Healthcare Information and Management Systems (CPHIMS, Certification # 0700266629), HIMSS – Exp. 12/31/2027

Registered Pharmacist, Tennessee (License #37923) – Exp. 01/31/2026

Registered Pharmacist, California (License #68837) – Exp. January 31, 2027

ACADEMIC APPOINTMENT

Associate Professor, Department of Pharmaceutical, Social & Administrative Sciences

College of Pharmacy and Health Sciences, Belmont University, Nashville, TN – Aug/2013 to Present

Responsible for a majority of classes in the **Healthcare Informatics** concentration in the Doctor of Pharmacy Degree program. The Health Informatics concentration is a series of classes designed to prepare the student to demonstrate knowledge of health IT and management systems, facilitating entry-level careers in health IT positions, residencies or fellowships. These classes are also designed to be a pathway to the Certified Associate in Healthcare Information and Management Systems (CAHIMS) credential, an internationally recognized Healthcare Information Technology certification administered by the Healthcare Information and Management Systems Society (HIMSS).

Courses taught include:

- Elective in Healthcare Informatics (I), to doctor of pharmacy students.
- Elective in Healthcare Informatics (II), to doctor of pharmacy students.

- Elective in Healthcare Informatics (III), to doctor of pharmacy students.
- Elective in Healthcare Informatics (IV), to doctor of pharmacy students.
- Required course in Drug Information and Informatics to doctor of pharmacy students.
- Required course in Professional & Technical Writing to doctor of pharmacy students.
- Required course in Pharmacy Skills 1 (Healthcare Data Analytics) to doctor of pharmacy students.
- Required course in Pharmacy Skills 2 (Healthcare Data Analytics) to doctor of pharmacy students.
- Required course in Pharmacy Skills 3 (Healthcare Data Visualization, Analytics in Pharmacotherapy Education) to doctor of pharmacy students.
- Required course in Pharmacy Seminar (podium and poster presentation project work) to doctor of pharmacy students.

Served as Preceptor for doctor of pharmacy students in the Pharmaceutical Informatics rotation. Practice sites have included:

- [Belmont Data and Artificial Intelligence Collaborative](#)
- [RoundingWell](#)
- [Healthcare Corporation of America \(HCA\)](#)

HIMSS Sponsored Health IT Certification Review Course to pharmacists, nurses, and doctor of pharmacy students.

HIMSS Approved Education Partner (AEP), 2015 – 2023

PROFESSIONAL EXPERIENCE

Pharmacy **Informaticist**, Adventist Health West, Roseville, CA – Jan/2011 to Jul/2013

Responsible for Clinical Decision Support initiatives leading to safe distribution and drug administration in CPOE for patient care across 19 hospitals and a growing number of ambulatory clinics.

- Activities included:
- Preceptor, Pharmacy Informatics APPE and PGY1 rotation, 2013
- Architect and Project Manager, The Patient Safety (Leapfrog) Initiative, 2011-2013
- Chair, Clinical Decision Support Task Force, 2011-2013
- Chair, The MedicAiton Regulatory ADvisory (MARYIAAnD) Group, 2011-2013

- Chair, Order Sentence Review: The OSpREy group, 2011-2013
- Chair, Dose Range Check - the MEdication Range Review (MERRy) group, 2011-2013
- Chair, DUPLICATE Medication ADVISORY: The DUMAS group, 2011-2013
- Chair, NICU Clinical Decision Support Group, 2011-2013
- Chair, Pediatric Gentamicin Dosing Logic Transfer (PIEDmONT) group, 2011-2013
- Chair, The Opioid MANagement interdisciplinary Advisory (OMAhA) group, 2011-2013
- Chair, Dose Range Check - the Pediatric mEdication Range Review (PERRy) group, 2011-2013
- Chair, The InteractiON Advisory (IONA) group, 2011-2013
- Chair, The CONtraindication ManagEmenT (COMET) group, 2011-2013
- Chair, The weigHt Based Dosing Advisory (sHeBA) group, 2011-2013
- Chair, The Pharmacy Renewal Initiative (PRIoN) group, 2011-2013
- Chair, The AmbulatoRy Medication Advisory (pARMA) Group, 2011-2013
- Chair, The Allergy ManagemENt (rAMEN) group, 2011-2013
- Chair, The Nuisance Alerting Advisory (NApA) group, 2011-2013
- Chair, The Smart Pump AdvisoRy (SPARK) group, 2011-2013
- Chair, The FormuLArY ManagEmenT (FLAME) group, 2011-2013
- Chair, The LAB Based Dosing Advisory (LAmBDA) group, 2011-2013
- Chair, The QUality INDicaTor advisory group (QUINT), 2011-2013
- Chair, ElectRONic Prescription Analysis group EuROPA, 2011-2013
- Chair, The Anti-Infective StewardshIp Advisory (ASIA) group, 2011-2013
- Chair, The RetAil MedicatiOn Management (caRdAMOM)group, 2011-2013

- Chair, The Diagnosis Based Advisory (DuBAI) group, 2011-2013
- Member, The Medication INTEgration (MINT) Group, 2011-2013
- Chair, The Medication SafeTy Advisory (MuSTAnG) Group, 2011-2013
- Chair, The Rx station Advisory (RaSA) group, 2011-2013
- Chair, The All Site phArmacy Therapeutics Advisory (cAsSATA) Group, 2011-2013
- Chair, The PhaRmacy PlAnning (PRoPhAGe) Group, 2011-2013
- 2011 Adventist Health Project IntelliCare, Cerner Millennium Rollout, Adventist Medical Center – Portland
- 2011 Adventist Health Project IntelliCare, Cerner Millennium Rollout, Tillamook County General Hospital
- 2011 Adventist Health Project IntelliCare, Cerner Millennium Rollout, Ukiah Valley Medical Center
- 2011 Adventist Health Project IntelliCare, Cerner Millennium Rollout, Frank R. Howard Memorial Hospital

Clinical Pharmacist Specialist, Applied Clinical **Informatics**, Atlanta Medical Center, Atlanta, GA – Aug/2006 to Jul/2011

Responsible for safe distribution and drug administration for patient care; supervising technicians; order entry; drug monitoring and providing drug information to nurses and physicians.

- Activities included:
- Tenet Project IMPACT Cerner Millennium Rollout, 2010
- Tenet Project IMPACT Clinical Standards Advisory Team, 2010
- Tenet Project IMPACT PharmNet PPN CPOE rollout, 2010
- Tenet Project IMPACT ClinDoc Pharmacy design / workflow for interventions,

2010

- Tenet Project IMPACT Standardization of Order Sets for CPOE, 2010
- Tenet Project IMPACT Medication Reconciliation Process / Cerner Millennium,

2010

- Educator, Pharmacy Staff Technology Tools, 2008-2009
- Project Manager, Clinical Guidelines to Intranet, 2008-2009
- Project Manager, Formulary to Intranet, 2008-2009
- 2008, 2009 Database Creation / Analysis / Reporting:
- Anticoagulants needing Pharmacokinetics Consults
- Antibiotics needing Pharmacokinetics Consults
- Heparin Assay Calculation Worksheet
- Interventions
- Med Errors
- Prescribing Habits
- Pharmacoeconomics and Outcomes Research
- Inactive Medications
- P&T Actions
- ad hoc audits

U.S. PUBLIC HEALTH SERVICE

Staff Pharmacist (O-3), Reno, NV – Jul/2003 to Sep/2003

Interim Chief, Pharmacy Services (O-4), Reno, NV – Sep/2003 to Jul/2005

Senior Pharmacist (O-4), Reno, NV – Jul/2005 to Jul/2006

Clinical Pharmacist Specialist, **Informatics**, Grady Health System, Atlanta, GA – Jul/2000 to Jun/2003

Responsible for safe distribution and drug administration for patient care; leading

pharmacy informatics projects supervising technicians; order entry; drug monitoring and providing drug information to nurses and physicians. Cerner Classic, Millennium

- Activities included:

- Chair, Departmental Technology Planning Committee

- Chair, Intradepartmental Informatics Committee

- Chair, New Technology Evaluation Committee

- Chair, Pharmacy Information Support Issue Resolution Committee, Cerner Classic, Millennium

- Chair, Client / Pharmacy Information System Vendor Issue Resolution Committee, Cerner Classic, Millennium

- Educator, Resident / Staff Technology Tools

- Medical Executive Subcommittee Member, Clinical Informatics

- Member, Medicaid Claims Testing Committee

- Member, Pharmacy Automated Dispensing System (Automed) Committee

- Database Administrator, various databases including interventions, medication errors, prescribing habits, pharmacoeconomics and outcomes research, inactive medications, P&T actions, PYXIS / Cerner Classic, Millennium biweekly audit, ad hoc audits

BOARD AFFILIATIONS, WORKING GROUPS, PARTNERSHIPS AND REVIEWS

Workgroup Member, ASHP Section of Digital & Telehealth Practitioners - 1/2025

- WG 4 – Digital Transformation
 - Charge
 - Develop a statement and strategic framework for the role of pharmacists in digital health transformation and governance/stewardship.

Advisory Board Member, University of Maryland University College (UMUC) 9/2016

- Master of Science in Health Informatics and Administration (HIMS) Advisory Board for The Graduate School, University of Maryland University College (UMUC)

Facilitator, Health Information Management Systems Society (HIMSS) Approved Education Partnership (AEP) 8/2015 - 6/2024

- Belmont University College of Pharmacy is the inaugural member of the AEP program.
- The College joins an exclusive group of organizations authorized to offer HIMSS-approved review courses and training programs to prepare candidates for advanced knowledge in health IT or healthcare.
- As a HIMSS Approved Education Partner, Belmont becomes the only pharmacy school in the nation with a Healthcare Informatics concentration leading to an internationally recognized certification in Healthcare Informatics which may be obtained before the students' experiential rotations, residency inquiries and job searches begin.

2016 Training Partnership Lead, Columbia University's Health Informatics for Innovation, Value & Enrichment (HI-FIVE) Program

- With funding from the Office of the National Coordinator for Health Information Technology (ONC), Columbia University partnered with Belmont University College of Pharmacy and 8 other institutions to deliver a unique and contemporary curriculum in healthcare informatics. The HI-FIVE (Health Informatics for Innovation, Value & Enrichment) program was designed for healthcare professionals to update their knowledge of health information technology within the context of the most relevant topics in today's changing healthcare landscape.
- The curricula covers topics from:
 - o Population Health
 - o Care Coordination and Interoperability
 - o Value-Based Care
 - o Data Analytics
 - o Patient-Centered Care

HIMSS Certification Examination Workgroup Member 9/2018

- HIMSS currently has two (2) certification programs, the Certified Associate in Healthcare Information and Management Systems (CAHIMS) and the Certified Professional in Healthcare Information and Management Systems (CPHIMS). The results of the workgroup's job analysis will be used to update content covered on the CAHIMS and CPHIMS exams.

ASHP Educational Steering Committee member

- American Society of Health-System Pharmacists' (ASHP) Section of Pharmacy Informatics & Technology

HIMSS AEP Application Reviewer

- Approved Education Partner Institutional applicants must identify a Certified Professional in Healthcare Information and Management Systems (CPHIMS) or a Certified Associate in Healthcare Information and Management Systems (CAHIMS) credential holder who is in good standing, to review and sign-off. Reviewer:
 - o The Graduate School, University of Maryland University College (UMUC)
 - o Morsani College of Medicine, University of South Florida

INTELLECTUAL CONTRIBUTION, ARTIFICIAL INTELLIGENCE CREATION

Nwobi E, Blash A. Drug Shortages [custom AI tool]. OpenAI; December 4, 2024. Accessed April 9, 2025. <https://chatgpt.com/g/g-YCnIJOTb-drug-shortages>

Brinson A, Stogner S, Blash A. The ApotheCalc [custom AI tool]. OpenAI; December 4, 2024. Accessed April 9, 2025. <https://chatgpt.com/g/g-xmWo0fb4t-the-apothecalc>

McKinney M, Blash A. Oncology Aide [custom AI tool]. OpenAI; November 4, 2024. Accessed April 9, 2025. <https://chatgpt.com/g/g-YsAVMdUd8-oncology-aide>

Umeadi O, Blash A. Uplift U [custom AI tool]. OpenAI; November 4, 2024. Accessed April 9, 2025. <https://chatgpt.com/g/g-Vlpmbfm9-uplift-u>

Nwobi E, Blash A. OTC Drugs Quiz [custom AI tool]. OpenAI; November 4, 2024. Accessed April 9, 2025. <https://chatgpt.com/g/g-N0Lr35J3v-otc-drugs-quiz>

Stogner S, Brinson A, Blash A. Adult Vaccination Companion [custom AI tool]. OpenAI; November 4, 2024. Accessed April 9, 2025. <https://chatgpt.com/g/g-jVCwHH4Pp-adult-vaccination-companion>

McKinney M, Blash A. Navigational Guide for Basic and Complete Metabolic Panels [custom AI tool]. OpenAI; November 1, 2024. Accessed April 9, 2025. <https://chatgpt.com/g/g-unkHvMlij-lab-value-navigator>

Curry A, Blash A. Fundamental Drug List 2024 Study Aid [custom AI tool]. OpenAI; October 21, 2024. Accessed April 9, 2025. <https://chat.openai.com/g/g-vpCRxeRAi-top-300-medications>

Babakitis, A., Chindavanh, L., Johnson, D., Lankford, M., Osi, I., Simmons, A., Blash, A. My Medicine Cabinet part 2, Alexa Skill Store, https://www.amazon.com/dp/B08Y7SF67V?ref&ref=cm_sw_em_r_as_dp_rutonukoDIX2h : March 22, 2021

Babakitis, A., Chindavanh, L., Johnson, D., Lankford, M., Osi, I., Simmons, A., Blash, A. My Medicine Cabinet, Alexa Skill Store,
https://www.amazon.com/dp/B08Y7SF67V?ref&ref=cm_sw_em_r_as_dp_rutonukoDIX2h : May 2, 2019

INTELLECTUAL CONTRIBUTION, PEER-REVIEWED JOURNAL ARTICLES, BOOKS and BOOK CHAPTERS

Blash A, McCormack L, Quarles V, et al. *Transforming Healthcare: Digital Health and Emerging Technologies*. [Unpublished manuscript]. 2025.

Michaels NN, Bender-Slack D, Eadens D, Blash A, Greene A. Running from race: an attempt to discuss students' first impressions of professors in higher education. *Forum on Public Policy*. 2024;1.

Blash, A. Systems Analysis. In. Preparing for Success in Healthcare Information and Management Systems: The CAHIMS Review Guide (2nd Edition); Boca Raton, FL: Productivity Press: 2022:115-125

Blash, A. Systems Design. In. Preparing for Success in Healthcare Information and Management Systems: The CAHIMS Review Guide (2nd Edition); Boca Raton, FL: Productivity Press: 2022:126-132

Blash, A., Klinedinst, J. The role of the professional association. In: Klinedinst, J. *The Handbook of Continuing Professional Development for the Health IT Professional*. Boca Raton, FL: CRC Press; 2021:79-91

Blash, A., Klinedinst, J. The role of the professional association. In: Klinedinst, J. *The Handbook of Continuing Professional Development for the Health IT Professional*. Boca Raton, FL: CRC Press; 2017:57-70

Blash A, Saltsman C, Steil C. A national survey on the current status of informatics residency education in pharmacy. *Curr Pharm Teach Learn*. 2017;9(6):1160–1163.

Blash A. Evaluating clinical studies. *J Iowa Pharm Assoc*. 2000.

Blash A. Computer-aided instruction: a student's perspective. *J Am Pharm Assoc*. 2000;40(3):435.

Blash A. The internet: an illustrated primer. *Calif J Health-Syst Pharm*. 1998.

INTELLECTUAL CONTRIBUTION, CONFERENCE PROCEEDINGS

Umeadi O, Blash A. *Disparities Unveiled: Exploring Gaps in Preventive Care Access for Davidson County's Older Adults*. Presented at: Gulf-South Summit on Service-Learning and Civic Engagement; March 2025; Nashville, TN.

Umeadi O, Blash A. *Disparities Unveiled: Exploring Gaps in Preventive Care Access for Davidson County's Older Adults*. Presented at: American Pharmacists Association (APhA) Annual Meeting & Exposition; March 2025; Nashville, TN.

Umeadi O, Blash A. *Disparities Unveiled: Exploring Gaps in Preventive Care Access for Davidson County's Older Adults*. Presented at: American Pharmacists Association (APhA) Annual Meeting & Exposition; March 2025; Nashville, TN.

Stewart A, Brown P, Anning E, Warren Y, Parrish J, Campbell HE, Blash A, Campbell T, Phillippi RD. *Assessing the Impact of Affirmative Action Bans on Diversity in Pharmacy Education*. Presented at: ASHP Midyear Clinical Meeting & Exhibition; December 2024; New Orleans, LA.

McKinney M, Blash A. *Investigation of the Association Between Receiving Dental Care and Experiencing Hypertension: A Review of Tennessee Zip Codes in 2020*. Presented at: American Society of Health-System Pharmacists (ASHP) December 2024; New Orleans, LA.

Stogner S, Brinson A, Blash A. *Analyzing the Effects of Black Box Warning Removal on Bupropion Expenditure: A Data-Driven Approach*. Presented at: American Society of Health-System Pharmacists (ASHP) 2024 Midyear Clinical Meeting; December 2024; New Orleans, LA.

Blash A. *How Generative AI is Shaping Higher Education* [webinar panel]. Hosted by DataCamp Classrooms; November 26, 2024.

Blash A. *AI Impacting Healthcare Workflow and Built Environment* [panel presentation]. Presented at: Middle Tennessee AIA Academy of Architecture for Health Event; June 27, 2024; Nashville, TN.

Blash A. *Quantum Security: Future-Proofing Patient Data in Healthcare*. Presented at: HIMSS24 Global Health Conference & Exhibition; March 11–15, 2024; Orlando, FL.

Miller RK, Desai Z, Blash A. *Tennessee Dataset: A Correlation Between Smoking, Depression, and Overall Physical Health*. Presented at: American Society of Health-System Pharmacists (ASHP) 2023 Midyear Clinical Meeting; December 2023; Anaheim, CA.

Ellis G, Blash A. *Revealing the Hidden Impact of Poverty: Hypertension*. Presented at: American Society of Health-System Pharmacists (ASHP) December 2023 Midyear Clinical Meeting; 2023; Anaheim, CA.

Blash A. *Understanding the Power of Technology in Healthcare*. Presented at: All of Us – FiftyForward Senior Education Program; January 27, 2023; Nashville, TN.

Blash A, Daiker M, Dux L. *Certified Professional in Healthcare Information and Management Systems (CPHIMS) Certification Review Course*. Presented at: HIMSS Global Health Conference & Exhibition; March 2022; Orlando, FL.

Truong P, Mains-Espinosa A, Blash A. *Developing a More Efficient CAHIMS Examination Through HIMSS Job Analysis*. Presented at: HIMSS 2022 Global Conference & Exhibition; March 2022; Orlando, FL.

Le K, Mains-Espinosa A, Blash A. *CPHIMS: A Survey Analysis on Current Marketplace's Ideal Work Candidate*. Presented at: HIMSS 2022 Global Conference & Exhibition; March 2022; Orlando, FL.

Blash A, Lankford M. My Medicine Cabinet: Amazon Alexa Skill Demonstration at Queen's University Belfast Academic Showcase. Presented at: Belmont University Academic Showcase; October 2019; Nashville, TN.

Blash A. CAHIMS Review Course Series [webinar series]. Sponsored by HIMSS. October 9–18, 2018. Virtual.

Blash A. Certified Associate in Health Information Management Systems (CAHIMS) Certification Review Class. Delivered at: Belmont University Inman Conference Room; February 10, 2018; Nashville, TN.

Blash A. Health Informatics Management Certificate Program Review Course, Invited Instructor. Presented at: HIMSS19 Global Conference & Exhibition; February 2019; Orange County Convention Center, Orlando, FL.

Blash A. *Nashville 2017–2018 CAHIMS Bootcamp* [continuing education course]. Belmont University College of Pharmacy; February 10, 2018. Nashville, TN.

Blash A. Certified Associate in Healthcare Information and Management Systems (CAHIMS) Certification Class, Co-Instructor. Presented at: HIMSS17 Annual Conference and Exhibition; February 2017; Orlando, FL.