

Anita Samuel  
Health Professions Education (HPE)  
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## Research interests

Online learning, educational technologies, continuing professional development, adult education, leadership in medical education

## Employment

### Associate Professor

Health Professions Education (HPE)  
Uniformed Services University of the Health Sciences  
1 Aug 2017 → present

## Research outputs

### **Cultivating the Art of Metacognitive Reflection in Medical Education**

Merkebu, J., Mennin, S., Durning, S. J. & Samuel, A., Apr 2025, In: *Clinical Teacher*. 22, 2, p. e70043

Cultivating the Art of Metacognitive Reflection in Medical Education

Merkebu, J., Mennin, S., Durning, S. J. & Samuel, A., Apr 2025, In: *Clinical Teacher*. 22, 2, e70043.

### **Enhancing reflective practice with ChatGPT: A new approach to assignment design**

Samuel, A., Soh, M. & Jung, E., 6 Feb 2025, (E-pub ahead of print) In: *Medical Teacher*. p. 1-3 3 p.

Perceptions of Key Responsibilities and Professional Development Interests of Senior Educational Leaders: A Needs Assessment

Bidwell, D. R., Samuel, A., Cervero, R. M., Durning, S. J., Stephan, S. L., Patel, E. L., Bowman, M. A. & Meyer, H. S., 1 Jan 2025, In: *Academic Medicine*. 100, 1, p. 50-56 7 p.

### **Priority Competencies for Designated Education Officers in the Veterans Health Administration**

Bidwell, D. R., Samuel, A., Cervero, R. M., Durning, S. J., Stephan, S. L., Patel, E. L., Bowman, M. A. & Meyer, H. S., 1 Jan 2025, In: *Military Medicine*. 190, 1-2, p. e5-e10

### **Beyond Motivation: The Critical Role of Learner Interaction in MOOCs**

Jung, E., Samuel, A. & Ma, T. L., 2025, In: *American Journal of Distance Education*.

### **Enhancing reflective practice with ChatGPT: A new approach to assignment design**

Samuel, A., Soh, M. & Jung, E., 2025, (Accepted/In press) In: *Medical Teacher*.

Exploring Sampling Strategies to Maximize Qualitative Research Studies in Adult Education

Samuel, A. & Merkebu, J., 2025, (Accepted/In press) In: *Adult Learning*. 10451595251349183.

### **High-Flying Online: Online Academic Advising Strategies for High-Achieving Professionals**

Samuel, A., Beth, K., Meyer, H. & Soh, M. Y., 2025, In: *American Journal of Distance Education*. 39, 2, p. 178-194 17 p.

**Perspectives on leadership for medical educators: a qualitative study of leadership qualities identified by US medical school deans**

Orrick, M. J., Durning, S., Hartzell, J. & Samuel, A., 2025, (Accepted/In press) In: BMJ Leader.

**The ABCs of MOOCs: Navigating the Future of Online Learning**

Jung, E. & Samuel, A., Nov 2024, (Accepted/In press) In: eLearn Magazine.

Exploring Knowledge, Skills, and Abilities Needed for Army Pharmacist Readiness Using the Nominal Group Technique  
Costantino, R. C., Jung, E., Soh, M. & Samuel, A., 1 Sep 2024, In: Military Medicine. 189, 9-10, p. e2235-e2241

**Developing Online and Hybrid Courses with the Learning Ecology Matrix**

Bhargava, M. & Samuel, A., Jun 2024, In: eLearn Magazine.

**Priority Competencies for Designated Education Officers in the Veterans Health Administration**

Bidwell, D. R., Samuel, A., Cervero, R. M., Durning, S. J., Stephan, S. L., Patel, E. L., Bowman, M. A. & Meyer, H. S., 23 May 2024, (E-pub ahead of print) In: Military Medicine.

Decolonizing online learning: a reflective approach to equitable pedagogies

Samuel, A., 2024, In: Distance Education. 45, 3, p. 439-445 7 p.

**E-learning Interventions for Quality Improvement Continuing Medical Education—A Scoping Review**

Samuel, A., 2024, In: Journal of Continuing Education in the Health Professions.

**Formalizing the scholarship of teaching and learning (SoTL) in health professions education (HPE): A descriptive case study of a master of education degree program in HPE**

Soh, M., Samuel, A., Cervero, R. M. & Durning, S. J., 2024, (Accepted/In press) In: New Directions for Teaching and Learning. 2024, 178, p. 43-49 7 p.

**High-Flying Online: Online Academic Advising Strategies for High-Achieving Professionals**

Samuel, A., King, B., Meyer, H. & Soh, M., 2024, In: American Journal of Distance Education.

Medical School Faculty Perceptions of Online Education: Implications for the Future of Medical Education

Samuel, A., King, B. & Cervero, R. M., 2024, In: American Journal of Distance Education. 38, 3, p. 263-278 16 p.

Optimizing e-Learning in CPD: Preferences and Perceptions of Health Professionals

Samuel, A., Cervero, R. M., King, B. & Durning, S. J., 2024, In: Journal of Continuing Education in the Health Professions. 45, 1, p. 28-34 7 p.

**Utilizing Advanced Technologies for eLearning in Clerkship**

Jung, E. & Samuel, A., 2024, In: eLearn Magazine.

**Scoping Reviews: Expanding Methodological Approaches to Literature Reviews in Adult Education: Expanding Methodological Approaches to Literature Reviews in Adult Education**

Samuel, A., Sep 2023, In: Adult Learning. 35, 4, p. 215-227 13 p.

Parity representation in leadership positions in academic medicine: A decade of persistent under-representation of women and Asian faculty

Samuel, A., Soh, M. Y., Durning, S. J., Cervero, R. M. & Chen, H. C., 30 Aug 2023, In: BMJ Leader. 7, e000804.

**Addressing HPSP Learner Needs: A Pilot Study of a "Fundamentals of Military Medicine" Course**

Samuel, A., Teng, Y., King, B., Cervero, R. M., Durning, S. J. & Beadling, C. W., 19 May 2023, (E-pub ahead of print) In: Military Medicine.

Evaluating a Competency-Based Blended Health Professions Education Program: A Programmatic Approach

Samuel, A., King, B., Cervero, R. M., Durning, S. J. & Melton, J., 1 May 2023, In: Military Medicine. 188, p. 69-74 6 p.

Supporting the Transition to Distance Education During the Pandemic and Beyond

Samuel, A., Teng, Y., Soh, M. Y., King, B., Cervero, R. M. & Durning, S. J., 1 May 2023, In: *Military Medicine*. 188, p. 75-80 6 p.

#### **Maximizing the Value of Asynchronous Learning in Pre-clerkship Medical Education**

Sheth, P., Samuel, A., Jung, E. & Collen, J., May 2023, In: *eLearn Magazine*. 2023, 2 Special Issue

Continuing Professional Development in Rheumatology for Primary Care Clinicians: A Systematic Review

Robbins, R. C., Maciuba, J. M., Maggio, L. A. & Samuel, A., Apr 2023, In: *Arthritis Care and Research*. 75, 4, p. 734-742 9 p.

#### **Successful Surgical Airway Performance in the Combat Prehospital Setting: A Qualitative Study of Experienced Military Prehospital Providers**

Pekari, T., Melton, J., Cervero, R. & Samuel, A., Apr 2023, In: *Medical Journal, US Army Medical Center of Excellence*.

Gender and Racial Representation Trends Among Internal Medicine Department Chairs from 2010–2020

Samuel, A., Cervero, R. M. & Durning, S. J., Mar 2023, In: *Journal of General Internal Medicine*. 38, 4, p. 898-904 7 p.

#### **Maximizing the Value of Asynchronous Learning in Pre-clerkship Medical Education**

Sheth, P., Samuel, A., Jung, E. & Collen, J., Feb 2023, In: *eLearn*. 2023, 2 Special Issue

Corneal Laser Refractive Surgery Curriculum Development in the Military: Using the Nominal Group Technique

Evangelista, C. B., Larsen, K. L., Cervero, R. M. & Samuel, A., 1 Jan 2023, In: *Military Medicine*. 188, 1-2, p. e145-e151

#### **Accelerating medical education with ChatGPT: an implementation guide.**

Peacock, J., Austin, A., Battista, A., Samuel, A. & Shapiro, M., 2023, In: *MedEdPublish*.

#### **Developing a Consensus-Based Optometry Residency Military Unique Curriculum.**

Alferez, C., Samuel, A., Meyer, H. & Jackson, K. M., 2023, In: *Optometric Education: The Journal of the Schools and Colleges of Optometry*. p. 2-7 5 p.

#### **Enhancing Podcasting by Leveraging AI**

Samuel, A. & Austin, A., 2023, In: *eLearn Magazine*.

Enhancing Leadership Training Through an Experiential Approach: An Online Model for the 21st Century

Samuel, A. & Durning, S. J., Nov 2022, In: *Adult Learning*. 33, 4, p. 191-199 9 p.

Get Connected: A Scoping Review of Advising Online Graduate Students

Meyer, H. S., Preisman, K. A. & Samuel, A., Sep 2022, In: *Online Learning Journal*. 26, 3, p. 274-292 19 p.

Becoming metrics literate: An analysis of brief videos that teach about the h-index

Maggio, L. A., Jeffrey, A., Haustein, S. & Samuel, A., May 2022, In: *PLoS ONE*. 17, 5 May, e0268110.

Using the Critical Incident Questionnaire as a Formative Evaluation Tool to Inform Online Course Design: A Qualitative Study

Samuel, A. & Conceição, S. C. O., May 2022, In: *International Review of Research in Open and Distance Learning*. 23, 2, p. 151-169 19 p.

Design and Assessment of a Mobile Health Care Solution for the Military Pediatrician: The DHA Pediatrics App

Reeves, P. T., Royall, M., Spencer, S., Rogers, P. L., Durning, S. J., Samuel, A., O'meara, K. & Gorman, G., 1 Jan 2022, In: *Military Medicine*. 187, 1-2, p. 232-241 10 p.

"I'm Not Trying to Recreate the Classroom": A Qualitative Study to Help Faculty Make Sense of Online Interactions  
Samuel, A., 2022, In: American Journal of Distance Education. 36, 2, p. 121-134 14 p.

**Supporting Online Teaching Faculty Beyond the Pandemic: A "faculty concierge" model**

Samuel, A., 2022, In: eLearn Magazine.

Teaching Medical Students How to Teach: A Scoping Review: Groundwork

Meyer, H. S., Larsen, K., Samuel, A., Berkley, H., Harvey, M., Norton, C. & Maggio, L. A., 2022, In: Teaching and Learning in Medicine. 34, 4, p. 379-391 13 p.

Creating supportive learning environments: The role of the medical educator

Samuel, A. & Konopasky, A., Oct 2021, In: Clinical Teacher. 18, 5, p. 454-458 5 p.

**Preparing Adult Learners for Success in Blended Learning through Onboarding: A pilot study.**

Steven J. Durning & Holly Meyer, Sep 2021, In: eLearn Magazine.

**Corneal Laser Refractive Surgery Curriculum Development in the Military: Using the Nominal Group Technique**

Kelsey Larsen & Cervero, R., 30 Jun 2021, In: Military Medicine.

Developing Academic Leadership from a Distance: A Health Professions Education Practicum Course

Samuel, A., Durning, S. J. & Larsen, K. L., 1 Jun 2021, In: Academic Medicine. 96, 6, p. 854-858 5 p.

Effect of Continuing Professional Development on Health Professionals' Performance and Patient Outcomes: A Scoping Review of Knowledge Syntheses

Samuel, A., Cervero, R. M., Durning, S. J. & Maggio, L. A., 1 Jun 2021, In: Academic Medicine. 96, 6, p. 913-923 11 p.

**Using Technology in Neurosurgical Education: Application of Theory. AANS Neurosurgeon**

Boulter, J. H., Neal, C. & Samuel, A., Jun 2021, In: AANS Neurosurgeon.

Zones of Agency: Understanding Online Faculty Experiences of Presence<sup>i</sup>

Samuel, A., Nov 2020, In: International Review of Research in Open and Distance Learning. 21, 4, p. 80-93 14 p.

**Designing Successful ePortfolio Practices: A Review of High-impact ePortfolio Practice: A catalyst for student, faculty, and institutional learning by Bret Eynon and Laura M. Gambino**

Samuel, A., Jul 2020, In: eLearn Magazine.

Five Principles for Using Educational Theory: Strategies for Advancing Health Professions Education Research

Samuel, A., Konopasky, A., Schuwirth, L. W. T., King, S. M. & Durning, S. J., 1 Apr 2020, In: Academic Medicine. 95, 4, p. 518-522 5 p.

**A Participatory Approach to Developing Online Course Quality Standards in Health Professions Education**

Kelsey Larsen, Ronald M. Cervero & Lauren Maggio, 2020, In: Online Journal of Distance Learning Administration.

Using concept mapping as a tool for conducting research: An analysis of three approaches

Conceição, S. C. O., Samuel, A. & Yelich Biniecki, S. M., 1 Jan 2017, In: Cogent Social Sciences. 3, 1, 1404753.

## Activities

**Using Gen AI and Custom Chatbots for Course Site Redesign**

Paula Weissman (Speaker) & Anita Samuel (Speaker)

26 Mar 2025

**Transforming Learner Expression: AI Tools for Dynamic UDL Action Strategies**

Paula Weissman (Speaker) & Anita Samuel (Speaker)  
21 Mar 2025

**Revolutionizing Learning: AI for Inclusive Representation in UDL. Adult Learning Virtual Community**

Paula Weissman (Speaker) & Anita Samuel (Speaker)  
21 Feb 2025

**Empowering Inclusive Learning: Leveraging AI for UDL Engagement**

Paula Weissman (Speaker) & Anita Samuel (Speaker)  
17 Jan 2025

**AI Education Revolution: Transforming Education with Artificial Intelligence**

Anita Samuel (Speaker)  
3 May 2024

**Exploring Minority Representation in Leadership Positions in Medical Education**

Anita Samuel (Speaker), Steven Durning (Speaker), Ronald M. Cervero (Speaker) & Michael Soh (Speaker)  
11 Apr 2024 → 15 Apr 2024

**AI MedEd Revolution: Transforming Medical Education with Artificial Intelligence**

Anita Samuel (Speaker)  
5 Apr 2024

**Empowering student learning through AI**

Anita Samuel (Speaker)  
2 Apr 2024

**Facilitating Deep Self-Reflection in Online Educational Settings**

Anita Samuel (Speaker) & Jerusalem Merkebu (Speaker)  
27 Mar 2024

**Integrating AI in Teaching and Learning**

Anita Samuel (Speaker)  
21 Feb 2024

**Revolutionizing Nurse Education: Leveraging AI for Enhanced Teaching Practices**

Anita Samuel (Speaker)  
11 Jan 2024

**Preparing healthcare professionals for the Scholarship of Teaching and Learning: A SoTL based**

Anita Samuel (Speaker), Steven Durning (Speaker), Michael Soh (Speaker) & Ronald Cervero (Speaker)  
26 Aug 2023 → 30 Aug 2023

**A Holistic Approach to Program Evaluation**

Anita Samuel (Speaker)  
25 Jul 2023 → 27 Jul 2023

**eLearn Magazine (Journal)**

Anita Samuel (Editor in chief)  
1 Jul 2023 → 30 Jun 2026

**Enhancing Online Course Design in Real Time using Qualitative Formative Evaluations**

Anita Samuel (Speaker) & Simone Conceicao (Speaker)

Apr 2023

**Lessons from COVID and looking ahead at the medical education landscape**

Anita Samuel (Speaker)

Apr 2023

**Faculty Senate Member**

Anita Samuel (Participant)

2023 → 2026

**New Horizons in Adult Education and Human Resource Development (Journal)**

Anita Samuel (Member of editorial board)

2023 → ...

**Online Journal for Workforce Education and Development (Journal)**

Anita Samuel (Member of editorial board)

2022 → ...

**eLearn Magazine (Journal)**

Anita Samuel (Member of editorial board)

2020 → ...

**Journal of Continuing Education in the Health Professions (Journal)**

Anita Samuel (Reviewer)

2020 → ...

**Academic Medicine (Journal)**

Anita Samuel (Reviewer)

1 Jan 2018 → 10 Jan 2023

**Military Medicine (Journal)**

Anita Samuel (Reviewer)

2018 → ...

**eLearn Magazine (Journal)**

Anita Samuel (Reviewer) & Anita Samuel (Editor in chief)

1 Jul 2017 → 30 Jun 2020

**Prizes****Certificate of Appreciation**

Samuel, Anita (Recipient), 2020

**Letter of Appreciation**

Samuel, Anita (Recipient), 2021

**President's Appreciation Award**

Samuel, Anita (Recipient), 2019

**School of Medicine Dean's Impact Award**

Samuel, Anita (Recipient), 2022

