

Eileen Steinle Alexander, PhD, MS, BSN, RN



Dr. Alexander supports healthy families & populations through teaching, team service, epidemiology & high reliability healthcare.

CONTACT INFORMATION

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EDUCATION, LICENSURE, CERTIFICATIONS

Certified Project Manager

Certified Six Sigma Green Belt

Former Certified Infection Control Preventionist & Member APIC

PhD Epidemiology, Pre-doctoral Fellow NIH T32 Molecular Epidemiology in Children's Environmental Health, University of Cincinnati College of Medicine, 2014

MS Biology, thesis ecotoxicology, J. Shann, PhD, University of Cincinnati, 1993

BS Nursing University of Cincinnati, 1980
Ohio RN license, 1980-present

POSITIONS

Xavier University, Department of Health Services Administration 2014-present

Associate Professor, Tenured, 2020- present

<https://www.xavier.edu/faculty-development/faculty-recently-tenured-andor-promoted>

Executive MHSA, BS-HSA & MS-HECOR Programs

Faculty roles: teaching, academic advising, Community "Service-learning," "Immersive learning" trips, faculty-student research & faculty advisor to clubs & groups, including: Chair, HSA Departmental Mid-tenure Review Committee, Member Dept Rank & Tenure Committee;

UPD Honor Society, Faculty Advisor, BS-HSA

Institute for Healthcare Improvement Club, Faculty Advisor, XU Chapter

Xavier Health "Peer Pro Network," Faculty Advisor, 2020-2021

Xavier Health "YoPro Network," Faculty Advisor to young professionals 2018-2020

Director, **New program start-up:** Health Economic & Clinical Outcomes Research MS

2015-2016

Assistant Professor, 2014-2020

Adjunct faculty: Public Health 2013

Courses developed & taught:

bold = current courses; italics = initially developed by me; all graduate level online

HESA101 Introduction to American Health Services

HESA110 Medical Terminology

HESA361 Health Data Management

HESA372 Internship 2 c/ integrative capstone & local-global community service learning

HESA373 Immersive Learning in Population Health (first offering Spring 2020)

HESA380 Quality Management & Performance Improvement

HESA410 Public Health

HESA498 Independent Study in Advanced Health Management (Quality or Research)

HESA499 Capstone in Population Health

HECO471 Introduction to Health Economics & Clinical Outcomes Research

HESA523 Quality Improvement Techniques in Healthcare Management

HESA567 Applied Epidemiology

HESA572 Health Systems (U.S. & global)

HESA600 Executive MHA Capstone

HECO571 Introduction to Health Economics & Clinical Outcomes Research

HECO567 Applied Epidemiology

HECO583 Ethical Health Informatics

HECO584 Ethical Health Research

HECO585 Health Ethics in Informatics & Research

HECO598 Independent Study in Health Quality & Value Improvement Research

HECO601 HECOR Professional Skills with SAS®

HECO602 HECOR Professional Skills: Systematic Review

HECO631 Global Health Systems

NURS863: Epidemiologic Methods

Cincinnati Children's Hospital Medical Center

Frank C. Woodside, III, M.D., J.D., Dinsmore & Shohl Fellowship, 2014

Cincinnati Children's Hospital Medical Center's Division of Biostatistics and Epidemiology

Student 2010-2014: Allergy and Immunology, Division of Biostatistics and Epidemiology (Research advisor/PI: L. Martin PhD; PI: M. Rothenberg MD, PhD)

Research Nurse: 2009-2010: Follow up of adolescent bariatric surgery (FABS) outcomes study, Division of Biostatistics and Epidemiology (PI: J. Woo PhD)

University of Cincinnati College of Medicine

PhD Student 2008-2014
NIH T32-ES10957 Molecular Epidemiology in Children's Environmental Health, 2011-2013 Pre-doctoral Fellow
UC Professional Development Institute Graduate Student Advisor, 2012-2014,
M. Hanson, Associate University Dean

Teaching Assistant (TA), Introduction to Epidemiology, 2010, 2011 (Head TA)

Deaconess Hospital, Cincinnati, OH, 1986-2008

Department of Quality and Risk Management:1997-2008; Certified Infection Control Practitioner (CIC/IP) Quality Improvement, Project Management, hospital epidemiology, clinical rounds; hospital-wide TJC (JCAHO) Infection Prevention and evaluation responsibility, data collection, mining and analysis for medical and executive staff, NEAR-ZERO incidence rates for targeted surgical site infections and device associated infections; CDC and CMS benchmarking; annual prevalence studies for targeted clinical conditions; hospital liaison to local health department & regional bioterrorism planning; OH Board of Nursing trained reviewer for continuing education

Educator, Surgical Services, 1994-1997; staff education; data collection and analysis; Arthritis Center research study coordination and hospital IRB liaison; Greater Cincinnati Dysrhythmia Instructors' consortium (i.e., EKG), Red Cross BLS Coordinator, Greater Cincinnati Critical Care Instructors' Coordinator

RN- clinical care: Surgical Services, Cardiac Surgery, Cardiac Rehabilitation 1986-2008

Cincinnati Sports Medicine and Orthopaedics: orientation new MD Fellows 1998-2007

Thomas More College, Crestview Hills, KY, 1992-1994

Adjunct Faculty: Department of Biology: Anatomy and physiology lecture and laboratory; Microbes, Health and Disease; Biology of Aging; Women's Health Issues; Biology of Aging

University of Cincinnati, Cincinnati, OH, 1989-1993

Teaching Assistant: Anatomy and Physiology (Head TA),
Data Analysis (responsible for computer statistics lab), Plant Physiology (responsible for lab prep), Ecology and Evolution (student field studies)
Research Assistant: 1990-1991 Ohio Hazardous Substances Research, Education and Management Institute

Methodist Hospital, Indianapolis, IN, 1983-1986 RN, Trauma ICU, Surgical Services preceptor

St. Thomas Hospital, Nashville, TN, 1980-1983 RN, Med-Surg, ICU, Hospital QA Committee

Veterans Administration Hospital, Cincinnati, OH, 1979-1980 Nurses' Aide

RESEARCH INTERESTS

My research interests have always been "local+global" epidemiology, observational studies, RWE (real-world evidence), operational quality management, clinical decision support, health outcomes, infectious disease control/climate/vectors, & teaching students how to think critically, conduct research & improve quality & safety for patients & employees.

Climate, biology, health, & infectious diseases, across species (OneHealth), have been my lifelong interests. As a first-generation college graduate, I learned about high-quality epidemiology as a participant in the NHS-2, led by NIH PI Walter Willett MD PhD. I've worked while slowly earning my degrees, including an NIH T-32 pre-doc fellowship in Molecular Epidemiology of Children's Environmental Health. Now, I hope to pursue my true passions: sustainable healthcare & the expansion of fungal & vector-borne infectious diseases due to climate change. My experience in team-based hospital QI & well-cited research in eosinophilic diseases sets the stage for my success. Of note, I most sincerely enjoy interacting with clinicians.

Key words:

One Health epidemiology;
Health services administration;
Problem-based learning;
Community service-learning;
Healthcare;
Sustainable energy use;
Employee health;
Quality management;
Infection control; climate-related infectious diseases

As XU Research Mentor of the Year 2019, I supported many student research projects/presentations (see Scholarship). I have whitepapers re: AI, & a book chapter re: curricula supporting Jesuit Catholic mission & identity in health services.

Past research includes: diversity recruitment to health administration, comparative effectiveness of lecture vs. experiential learning, systematic review of stents for CAD, eosinophilic disorders: twin/family-based study designs and analyses of heritability; esophageal biopsy histopathology scale development; esophageal stricture histopathology.

My service mission is to promote health for families. My daily goal is to demonstrate the value of collaborative process by modeling organization, trust and scientific leadership, driven by data, regional need and educational excellence.

PROFESSIONAL SERVICE & MEMBERSHIPS

- Member, American College of Epidemiology, 2017- **present**
 - EpiVisionaries 2024-**present**
- Reviewer, Annals of Epidemiology, 2018-**present**
- Member, American College of Healthcare Executives, 2017- **present**
- 2024 AUPHA Undergraduate Program Committee Certification Review Team
- 2022-23 External Reviewer of the BS-Health Care Administration Program for the Northeast College of Health Sciences & the New York State Education Department
- Reviewer, Qeios, 2023
- **2022 Mentor for the University of Cincinnati Preparing Future Faculty Program**
 - Kacey Appel, MPH, CCRP
PhD Candidate
Division of Epidemiology

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University of Cincinnati, College of Medicine
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- 2022 AUPHA Undergraduate Program Committee Certification Criteria Review and Revision Group, specifically, the **Program Evaluation and Improvement (Criteria 26-28) subcommittee**
- 2022 CAHME CERTIFICATION HANDBOOK for GRADUATE PROGRAMS with a focus in POPULATION HEALTH
- Reviewer, BMJ Open Quality In recognition of your contribution, your name has been added to the [annual list of reviewers](#) on the journal website 2021
- Facilitator (invited), Special Interest Group for Community Health Research to advance community health during & after SARS-CoV-2 pandemic, International Association for Research on Service-learning and Community Engagement, 2020-2021
- Member, International Association for Research on Service-learning and Community Engagement, 2020-2021
- Member, American Statistical Association, Cincinnati Chapter, 2020-**2022**
- Reviewer, Yale Journal of Biology & Medicine, 2020
- Xavier Health “Peer Pro Network,” Faculty Advisor, 2020-**2022**
- **Reviewer, International Journal for Research on Service-Learning and Community Engagement**, International Association for Research on Service-learning and Community Engagement, 2019-present (2019, 2021, **2023**)
- Reviewer, Value in Health, International Society for Pharmacoeconomic Outcomes Research, 2019-present (2019, 2020, 2021)
- Chair, Ethics Forum, Association of University Programs in Health Administration (Chair-elect 2018, Chair 2019-2020)
- Regional Bioethics Network, sponsored by NIH-sponsored Center for Clinical & Translational Science & Training, Founding Member, 2018-2020 (covid ended)
- Reviewer, Annals of Epidemiology, 2018-**present**
- Facilitator, XU, Annual Teepa Snow Dementia and Interprofessional Teaming Symposium, Faculty Facilitator (HSA, Nursing, OT, Psychology, Social Work), March, 2018, 2019, 2024
- Member, American College of Epidemiology, 2017- **present**
- **Reviewer, Journal of Health Administration Education**, 2017-present (2017, 2018, **2022, 2023, 2024**)
 - [Smith, Dean G. The Journal of Health Administration Education; Arlington Vol. 35, Iss. 4,](#) (Fall 2018): 599-603.
- International Society of Pharmacoeconomic Outcomes Research (ISPOR)
 - ISPOR Research Presentation Award Judge, Health Technology Assessment, Annual Congress, 2018
 - ISPOR Research Abstract Review Committee, Annual Congress, annually 2016-2024 (XU MS-HECOR program discontinued 2024)
 - ISPOR Value Assessment Stakeholders Workgroup, Washington, D.C., 2016
 - Member 2016-2024 (XU MS-HECOR program discontinued 2024)
- Faculty Advisor (& new XU Club), Institute for Healthcare Improvement Student Chapter (IHI), 2016-**present**
- Association of University Programs in Health Administration, Member 2015-**present**
- Faculty Advisor & Member, Upsilon Phi Delta Honor Society, Xavier University, Cincinnati 2014-**present**

- Golden Key International Honour Society (Top 10%) 2014-**present**
- International Society for Infectious Diseases, Member 2013-**present**

Past Professional Service

- Xavier Health “YoPro Network,” Faculty Advisor to young professionals 2018-2020
- Reviewer, British Medical Journal BMJ Open (ScholarONE Thomson Reuters) 2014
- Reviewer, PLoS ONE; Journal of Pediatric Research 2014
- International Genetic Epidemiology Society 2013-2014
- CURED Eosinophilic Esophagitis conference session moderator, Cincinnati, OH, 2012
- Association for Women in Science 2012-2014
- Health Sciences Graduate Student Association 2008-2014
- Lyndsey Gilpin, MS Journalism observational practicum, Case-Western, February 2013
- Anna Davis, Photography, semester project, 2012
- Association for Professionals in Infection Control Nominating Committee 2002 (elected)

Supervision

- 2022 Mentee in the University of Cincinnati Preparing Future Faculty Program
 - Kacey Appel, MPH, CCRP
PhD Candidate
- Student Consulting Teams, HESA380 & HESA 372, BSHSA, Xavier University, 2015-present
 - 2022 OneSight Vision Clinics & 2023 Independent Study QI “research”
- Teaching Assistants, HESA380, BSHSA, Xavier University, 2015-2021
- Data Specialist, CEG/NIEHS P30-ES006096-20, 2012.
- Student, BA Communications, senior project, UC, 2011.
- Student, University of Cincinnati College of Medicine, MPH thesis, 2010

COMMUNITY SERVICE & MEMBERSHIPS

Local Community Service

- Washington Church of Christ, volunteer, December 2024-present
- Shades of X at Matthew 25 ministries, December 2024
- Traditions Long Term Care Facility, Hospice sitter/caregiver, December 2024
- St. Elizabeth Hospital Employee Health & Wellness, 2022-present
- Indian Hill Green Areas Advisory Committee, appointed by Mayor 2018-2024
 - Chair, Stewardship, sustaining >3600 acres in Land Trust
 - frequent contributor to Indian Hill Living & the Indian Hill Bulletin re: stewardship, local wildlife & management
- OneSight Vision Clinics, 2018-2023

Past Community Service

- TriHealth Cancer Institute, Genomic Work Group, volunteer, internship advisor & analyst
- Primary Health Solutions, Butler County, OH, volunteer, internship advisor & analyst
- Kindervelt #35 Member 2012-2021 and past Secretary, this is the fundraising auxiliary to Cincinnati Children’s Hospital Medical Center and sponsor of the Kindervelt Chair, currently endowing the Psychiatric Emergency Assessment Center
- Cincinnati Flying Pig Marathon Medical Team, 2011-2019 (suspended due to Covid-19),

- major/minor finish line medical support, and medical cycling team
- Cincinnati Children's Hospital Medical Center, Anderson Center for Healthcare Excellence, volunteer, internship advisor
- Cincinnati Children's Hospital Medical Center Heart Institute
- Cincinnati Children's Hospital Medical Center Pestian Lab for Neuropsychiatric & Machine Learning Research
- The Christ Hospital, Quality Department volunteer, internship advisor
- Evenflo Feeding
- Religious Education Committee, Heritage U-U Church

UNIVERSITY SERVICE, Committee Memberships, Ignatian and contemplative spiritual traditions, recent

- Individual Daily Examen with Spiritual Director Mark McLaughlin, 30 weeks (invited by CMI Joe Shadle, 2024-2025)
- XU Faculty Assembly Review Subcommittee (appointed 2024- **present**)
- XU Academic Program Health Committee (elected 2022-**2025**)
- XU AFMIX Cohort XIII 2023-**2025** in the Center for Mission & Identity
- XU Persistence Project for improved retention 2023 Spr & Fall, 2024 Spr & Fall, 2025 spr HESA 380 Quality Management [Persistence Project webpage:](#)
 "Overall, the success rate for students in Persistence Project classes has been higher than in non-Persistence Project classes." This high-level course has been a challenge for undergraduates. Using every trick in my Ignatian pedagogical toolbox, I have not had to fail a single student, although they don't always like all of the interactive & higher-level Bloom's experiential learning needed to meet the Student Learning Outcomes.
- CTE Internationalizing the Curriculum Program with Universidad Antonio Ruiz Montoya, Lima, Peru, December, 2022
 - Podcast: Globalizing the Curriculum - A Reflection on a Trip to Peru - Part II
 ESA minute 8 & 18:45 <https://www.xavier.edu/education/podcast/index>
- XU Global Action Team plan for 2023
 - Libguide
 - CTE Workshop
 - Diversity: Make XU **a more warm and welcoming place** – we will create some type of hello/belonging campaign where we would make buttons for students to swap with *hello* or *how are you* in different languages (internationalizing at the same time). We could be helped by student groups (SGA, Educators 4 Justice, international students, Institute for Healthcare Improvement Club) and kick it off at a Wednesday CIE International coffee hour in 2023.
- Elected by the Faculty Assembly to a second term on the Academic Health Committee 2022-25 (confirmed by XU President)
- XU Institutional Agility and Strength Work Group, 2022 (volunteer & appointed to Institutional Agility & Strength)
- Invited Mentor to the 13th cohort of the Ignatian Mentoring Program 2021-22
 - To develop mission-centered pedagogical work
<https://www.xavier.edu/jesuitresource/mission-identity/programs/ignatian-mentoring-program>

- My mentee was Dr. Brett Burton, Asst. Prof. of Education, & Program Director of Educational Administration.
- Online edition July, 2022 <https://www.xavier.edu/jesuitresource/online-resources/mission-focused-pedagogy/faculty-work-education#preparing-school-principals>
- To be published in Teaching to the Mission <https://www.xavier.edu/jesuitresource/online-resources/mission-focused-pedagogy/index>

DEPARTMENT SERVICE & MEMBERSHIPS, recent

- Team, HSA Dept Tenure & Promotion Guidelines Review, 2025
- Member, Tenure Review Committee, 2024
- Member, Retention and Tenure committee, 2023
- Chair, Department Mid-tenure Review Committee, 2022
- Member, Graduate MHSA Curriculum Review Committee, 2022
- Member, Department Tenure review Committee, 2021

HONORS, AWARDS, RECOGNITION of WORK & SERVICE

- 2023 Nominee Quint Studer Gratitude Prize for Teaching Excellence, AUPHA
- 2022 Province Ignatian Educator of Distinction [PIEDs](#)
 - <https://www.summitcds.org/about/news/news-stories/~board/news/post/alumni-class-notes-summer-2022>
- 2019 Research Mentor of the Year, Xavier University (11 nominations)
- Mentor to the 2019 Student Researchers of the Year, & first team service-learning award
- Provost Recognition of Exemplary Service, 2016, Xavier University
- First Place poster (unanimously), Association of University Programs in Health Administration, June 2-6, 2015, Miami, FL, USA.
- Upsilon Phi Delta Honor Society for health services administration
- Eigel Center for Community Engagement, 2015 Faculty Academy (by invitation)
- Newsletter Featured “Hot Off The Presses” International Eosinophil Society, Winter, 2014-15
- Website Featured “New Research” American Academy of Allergy, Asthma and Immunology
- “Editor’s Choice” Featured J. Allergy and Clinical Immunology, Impact Factor 12
- Golden Key International Honour Society (Top 10% per Registrar), 2013-present
- Young Investigator Award, International Eosinophil Society, June 21-25, 2011, Quebec City, Quebec, Canada
- New Investigator Scholar from the Center for Environmental Genetics, **NIEHS** P30-ES006096; \$1500.00 in 2011 (competitive)
- Caught You Caring, Deaconess Hospital 2007
- Honorable Mention, U.S. Dept. Of Energy Environmental Restoration and Waste Management Fellowship Program, 1990 (competitive)

RESEARCH SUPPORT (Grants, Fellowships, Scholarships)

- Wheeler Award 2024-25: Quantitative Literacy & Sustainable Healthcare in Quality Management & Biostatistics, with Dr. Ashley A. White. \$3982.70 total (in progress)

- Wheeler Award 2023-24: Creating Ongoing and Extended Impact in ADA Accessible Project-based learning in Quality Management. Year 2: \$3198.37 total (report complete) FOAP 285053-30014-x-4000
- Wheeler Award 2022-23: Creating ADA Accessible Project-based Learning, Case-Study and Data Analysis to Enhance Learning in Quality Management: A High-demand Healthcare Career. Year 1: \$3675.00 total (report complete)
- Xavier Women of Xcellence (WOX) Grant 2019-2025: “Expanding XU Student Service Learning Opportunities in Vision Care (On the Road Through Xavier: Creating an Immersive and Community Service Learning Experience with Faculty-Student Research in Xavier’s BSHSA Program, with the Eigel Center, and OneSight, a 501(c)3 spin-off start-up ex Luxottica),” (competitive & renewed 2023). \$19,042.00 total FOAP 291746-80016-702402-4000 (in progress- approval for expenditures received Dec 2024)
- 2017 Service Learning Student Internship Award for BS-HSA Faculty-Student Quality & Value Improvement Lab from Primary Health Solutions, Butler County, Ohio
- 2017 Center for Teaching Excellence internal grant for Action Research and presentation at Lilly International Teaching Conference Nov. 16-19, 2017 at Miami University, Ohio
- 2015 Xavier University Technology Grant: Creating an Evidence-based Capstone Project for Undergraduates Using Microsoft Surface in the Department of Health Services Administration BSHSA program, *or, Using Process Improvement Methods to Redesign our Process Improvement Course* (competitive total \$10,000.00)
- 2014 University of Cincinnati Research Council Graduate Student **Fellowship** (competitive).
- Frank C. Woodside III, MD, Dinsmore & Shohl **Fellowship** via the Cincinnati Children’s Hospital Medical Center Division of Biostatistics and Epidemiology, \$12,500.00 (competitive 2014, ongoing collaboration).
- Interact for Health Scholarship for the study of Structural Equations Modeling, Interact for Health Foundation, Cincinnati, OH, 2014.
- National Institute of General Medical Sciences (NIGMS) 2013 Bursary Award under Grant No. [R25GM093044](#). (competitive 10/31/2013) for the study of methylation analysis with K. Conneely, PhD, Emory University, Atlanta, GA.
- **NIH** 1R25GM093044-01 University of Alabama Birmingham Statistical Genetics Program, \$2650.00 in July, 2013 (competitive).
- **NIH** 8 UL1-TR000077-04 Center for Clinical and Translational Science and Training, CCTST, CTSA, NCATS 2012 Just in Time **Grant**, Epigenetic Methylation and Risk of Eosinophilic Esophagitis in Twins, \$7500.00, 2012 *with* LJ Martin PhD.
- **NIEHS P30-ES006096-20** Director’s Matching Funds **Grant** from the Center for Environmental Genetics \$3520.00 in 2012 (G100121-6261205000-1-1009619)

- Educational Grant to the UCLA Statistical Genetics summer program from the Molecular Epidemiology in Children's Environmental Health Travel Grant, NIH T32 ES10957, 2012.
- **NIEHS** P30-ES006096-20 Mentee PI-Mentor PI **Grant** from the Center for Environmental Genetics; \$21,000.00 in 2012 (competitive); (G100121-6261205000-1-1009620-I/O S10801)
- Molecular Epidemiology in Children's Environmental Health predoctoral **Fellowship** (tuition and stipend), NIH T32 ES10957, GK LeMasters, R Deka, K Dietrich, PIs, (competitive), \$35,422.00 *in* 2011, \$35,422.00 *in* 2012, \$35,422.00 *in* 2013 (\$13,822.00 tuition).
- Full University Graduate Scholarship, University of Cincinnati, College of Medicine, Department of Environmental Health, Epidemiology and Biostatistics Division, ~\$30,000.00 *in* Sept 2008, 2009.
- Ohio Hazardous Substance Research, Education and Management Institute. Bioremedial Potential of Bacteria Living Symbiotically in Legume Nodules. \$20,500.00 *in* 1990 (competitive).
- University Research Council Summer **Fellowship**. Bioremedial Potential of Bacteria Living Symbiotically in Legume Nodules. \$1700.00 *in* 1991 (competitive).
- Wendel **Fellowship**. Bioremedial Potential of the Legume-*Bradyrhizobium japonicum* Symbiosis. \$800.00 *in* 1992 (competitive).
- Full University Graduate Scholarship, University of Cincinnati Department of Biology, 1989, 1990.

MISSION-RELATED PROFESSIONAL TRAINING, SCHOLARSHIP & SERVICE

- Washington Church of Christ, volunteer, Christmas Shop for families in need, December 2024, Warming Center needs, January 2025-present
- Shades of X at Matthew 25 ministries, December 2024
- Traditions Long Term Care Facility, Hospice sitter/caregiver, December 2024
- CTE's Spring speaker, Lillian Nave. February 27, 2023
- Ally ADA Compliance Reporting & Improvement
- Using Zoom & Vidgrid to create ADA compliant videos, with closed captioning, by Team-member & Instructional Designer Matt Williamson
- Wheeler Award 2022-23: Creating ADA Accessible Project-based Learning, Case-Study and Data Analysis to Enhance Learning in Quality Management: A High-demand Healthcare Career

- DEIAB Workshop, 1/6/2023, Xavier University CTE, facilitated by Ivy Banks, Vice President for Institutional Diversity & Inclusion
- Creating a Cruelty-Free Syllabus, 5/11/2022, Xavier University CTE, facilitated by Ivy Banks, Vice President for Institutional Diversity & Inclusion
This workshop builds upon the seminal works of Matthew Cheyney's Cruelty-Free Syllabus, NADOHE's anti-racism pedagogy, and Sherria Taylor's Social Justice Syllabus to provide participants with foundational steps towards re-engaging with students through inclusive syllabus design. Cruelty-Free Syllabus Design through the lens of Social Justice and Anti-Racism centers relationship and trust-development as integral tools towards creating classroom belonging for all students. Participants will learn to incorporate "inclusive intentionality" during the syllabus design that fosters authenticity and building capacity for faculty vulnerability.
- Classroom Activities to Promote Engagement and Belonging, 5/11/2022, Xavier University CTE, facilitated by Lauren Angelone (IDT Faculty Associate & Education) and Supaporn Kradtap-Hartwell (CTE Faculty Director & Chemistry)
Connectedness among students and between students and instructors is essential in building a supportive classroom community. Students learn better when social presence is established, characterized in the Community of Inquiry literature as open communication and group cohesion. In this workshop, participants will be invited to consider the social nature of the classroom, including building community, learning, and processing knowledge together. Participants will discuss and try out activities that encourage a more engaged classroom and provide frameworks and theory that support these types of activities.
- Xavier Diversity & Inclusion Academy 2018-2019, Fall & Spring semesters
Alexander ES, Donauer SA, Ndum EE, Farrell MC, Linenkugel NL. Innovative Professional Network Echo Method Improves Recruitment of Diverse and Multicultural Students to Health Administration, J Health Admin Education 2017; 34 (3): 437-449. (this was an invited manuscript for a special diversity edition) (Faculty-Student Research)
Citations = 1 per Google Scholar
XU eXhibit downloads in 2024 = 105

PROFESSIONAL TRAINING

- Triennial Ohio RN re-licensure requirements (24 CH, including Ohio Law & Rules, also includes CH from ACHE & OH BWC, listed below)
 - Treatment considerations and shared decision-making, Prime Education, 7/20/2024
 - Enhancing collaboration: leveraging TeamSTEPPS for nonclinical success, Duke Health, 7/10/2024
 - Combining family systems theory with TeamSTEPPS for effective teams, Duke Health, 6/12/2024
 - What's data got to do with it? What data is mission critical, Duke Health, 12/13/2023
- Many online course content-related webinars throughout the year
- Medical & Health Symposium, Ohio Bureau of Workers Compensation, November 13-15, 2024, online

- Navigating the obstacles and opportunities for generative AI in health care
 - Using AI to care for the whole person
 - Utilizing technology in orthopedic surgery
 - Sleep is the ultimate recovery
 - Legal and ethical implications of AI in medicine
 - Navigating the reimbursement process
- American College of Epidemiology Annual Meeting, September 9-11, 2024, Columbus, Ohio
- Generative AI in Business, 7 CH, IT/BAIS, UC College of Business, August 19-21, 2024
- American College of Healthcare Executives Annual Congress, March 23-27, 2024, Chicago, IL
 - Navigating Net Zero: Essential Leadership for Today & Tomorrow 6hr Boot Camp
 - Leadership, culture, and the new principles of influence
 - Smart Hospital 2.0: Building hospitals in the wake of the AI Revolution in healthcare
 - Learnings and insights from national gen AI collaboration of 25+ health systems
 - Taking quality from compliance to excellence: transforming your quality and safety workforce
 - Leadership insights: The Human Margin
 - Innovation in a tumultuous world
 - Masters of safety and quality: leading with love for zero harm
 - How healthcare leaders can leverage the latest technology to better prepare, respond and recover from future climate-driven disasters
 - The study and application of best practices used for healthcare organization process improvements
 - Neuroscience-based strategies to navigate team dynamics through positive conflict resolution, inclusive culture building and achieving team wellness
 - High reliability as a health system operating model for safety, quality, engagement and leadership
- American College of Healthcare Executives HEAPY Engineering Conference: Sustainability in Healthcare, April 3, 2024, Sharonville, Ohio.
 - The long haul: moving a large healthcare system to energy excellence
 - The business case for energy efficiency, resiliency, and carbon reduction in healthcare
- *How Can I Make My Teaching Life Easier & Increase Student Success?* Presented by the CTE's Spring DEIB speaker, Lillian Nave. February 27, 2023
- Project Management **Certification** through Xavier Leadership Center, May 2022
- ACHE Annual Congress, Chicago IL, March 2022
- ACHE Quality Improvement Workshop, March 2022
- Lean/Six Sigma Black Belt **Certification** (started February 2022, expected April 2023)
- Lean/Six Sigma Green Belt **Certification** (completed April 2022)
- Global Health and Innovation Conference, sponsored by Unite for Sight, April 8-11, 2021 online from Yale University, New Haven CT, USA
- ACHE conference, March, 2021, virtual, USA
- Association of University Programs in Health Administration, and Global Management Forum, June-July, 2020, virtual, USA.
- Global Health and Innovation Conference, sponsored by Unite for Sight, April 14-15, 2020 online from Yale University, New Haven CT, USA
- European Union Medical Device Regulation Conference at Xavier University,
- Artificial Intelligence Industry Conference August, 2019 at Xavier University (team

presentation of 2nd whitepaper)

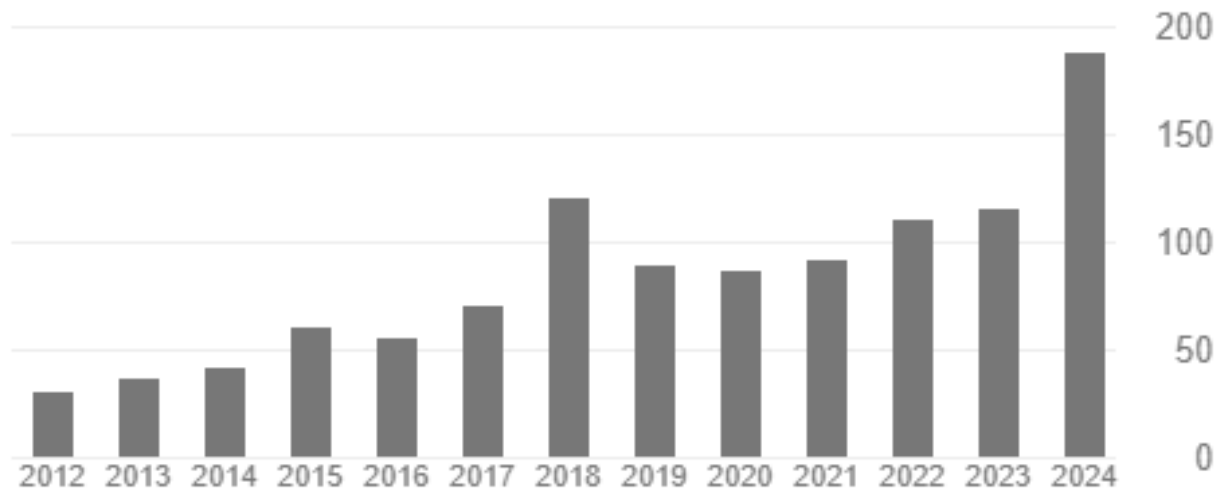
- Association of University Programs in Health Administration, and Global Management Forum, June 11-14, 2019, NOLA, USA.
- Population Health: Tomorrow's Coordinated Health Care System- Today Conference (funded by HRSA, USA), April, 2019, Xavier University, Cincinnati, Ohio, USA.
- Global Health and Innovation Conference, sponsored by Unite for Sight, April 14-15, 2019 at Yale University, New Haven CT, USA
- Xavier Center for Teaching Excellence Mentoring Pairs 2019
- Xavier Diversity Academy 2018-2019, Fall & Spring semesters
- Xavier Immersive Learning Faculty Learning Community 2018-2019
- American College of Epidemiology, September 23-25, 2018, Cincinnati, OH, USA.
- Artificial Intelligence Industry Conference August, 2018 at Xavier University (team presentation of whitepaper)
- Midwest Global Health Conference, February 24, 2018, Cincinnati, OH, USA.
- Association of University Programs in Health Administration, Global Management Forum, June, 2018, Philadelphia, PA, USA.
- International Society for Pharmacoeconomics & Outcomes Research Short Courses in Health Technology Assessment, and Observational Studies, May, 2018, Baltimore, MD, USA.
- Tomorrow's Coordinated Health Care System- Today Conference (funded by HRSA, USA), April, 2018, Xavier University, Cincinnati, Ohio, USA.
- Lilly International Teaching Conference November 16-19, 2017 at Miami University, OH (attendee and also a presenter, see **PEER REVIEWED ORAL PRESENTATIONS AT INTERNATIONAL OR REGIONAL CONFERENCES**)
- Xavier Center for Mission & Identity Ignatian Mentoring Program 2017-2018: Alexander E and Diab D. Integrating Jesuit Values in the Online Master of Science (MS) in Health Economics and Clinical Outcomes Research (HECOR) Program
- Ohio Society for Public Health Education Health Educators' Institute October 24-26, 2017, Maumee State Park, Ohio
- Artificial Intelligence Industry Conference August 24-25, 2017 at Xavier University
- Association of University Programs in Health Administration, June 13-16, 2017, Long Beach, CA, USA.
- International Society for Pharmacoeconomics & Outcomes Research Value Assessment Frameworks Stakeholders' Conference September 23, 2016, Washington D.C.
- Maryellen Weimer Teaching & Learning Workshop, Xavier CTE, September 12-13, 2016
- **Systematic Review, August-September, 2016 from Johns Hopkins through Coursera (relevant content + online course experience)**
- International Society for Pharmacoeconomics & Outcomes Research Educational Symposia May 23-25, 2016, Washington D.C.
- Global Bioethics and Innovation Conference April 16-17, 2016 at Yale University
- Instructional Online Course Design, Xavier University, Spring 2016.
- **Certificate: PH556x Practical Improvement Science in Health Care: A Roadmap for Getting Results January-March, 2016 from Institute for Healthcare Improvement and HarvardX through edX (relevant content + online course experience)**
- PharmaLink FDA-Industry Conference March 15-18, 2016 at Xavier University
- Greater Cincinnati Service Learning Symposium February 26, 2016
- Patient-Centered Outcomes Research and Comparative Effectiveness Workshop February 16-17, 2016 at University of Cincinnati and Cincinnati Children's Hospital Medical Center

- Lilly International Teaching Conference 2015 at Miami University, OH
- Association of University Programs in Health Administration, June 2-6, 2015, Miami, FL.
- 2015 Regional Faculty healthcare Educators Conference at Cincinnati Children's Hospital Medical Center
- Eigel Center for Community Engagement Faculty Academy 2015
- Xavier University Center for Innovation Design Thinking training, 2015
- Taking You and Your Organization to the Next Level, Studer Group, May, 2014
- University of Alabama, Birmingham, Statistical Genetics Program, July, 2013
- Procter & Gamble Problem Solving Course, Diane Parry, April, 2013
- Life After Graduate School, UC Chem 9083, Drs. J. I. Shulman and A. Gudmundsdottir, April-May, 2013
- University of California, Los Angeles Statistical Genetics Program, 2012
- STEM Leadership Training, 2012, UC (Women in Science, Technology, Engineering, Mathematics, Medicine)
- Moderator, Genetics Study Group, Cincinnati Children's Hospital Medical Center 2013, 2014
- Member, Regional Collaborative SAS/JMP User's Group, Wright State University, Dayton, OH; Group Leader S. Jeff Heslop, GE Aviation Manager, Cincinnati, OH

SCHOLARSHIP NOTES for persons in other disciplines

Xavier assesses scholarship for tenured & tenure-track faculty on a rolling 3-year cycle.

Citation number, by year:



Source: Google Scholar accessed 18january2025

In 2024 alone, my peer-reviewed publications were cited 188 times. This indicates widespread impact of scholarly endeavors. Two of these are pedagogy research.

The h-index shows average impact over time. It may vary a great deal. For example, I have articles cited hundreds of times, & some cited only once. H-index is the count of articles cited at least that number of times. An h-index of 7 means that 7 articles have been cited at least 7 times. The current year is always less, until year's end.

eXhibit is the archive of open-access faculty scholarship, uploaded by either the university or faculty, time permitting.

Xavier University eXhibit citations and downloads <https://www.exhibit.xavier.edu/>
<https://readership.works.bepress.com/?authdash=1&userid=2061219&.authP=authdash%2Cuser%2C.authTX&.authTX=1751323079&.authT=5gAfk5EGKQZbn3xMlloWtEbEBDftlg#/>
Total downloads via eXhibit = 8130 (March 2015 – Dec 2024)
Total downloads via eXhibit = 3205 (3 year cycle: January 2022 – Dec 2024)

16th most cited at Xavier University

https://scholar.google.com/citations?view_op=view_org&hl=en&org=11133176657107962253&after_author=jw2ASL5_8J&astart=10

Research links: <https://orcid.org/0000-0002-6548-489X>

Scopus Author ID: 37036828600

Google Scholar <https://scholar.google.com/citations?user=NHVyggYAAAAJ>

h-index = 7

Citations range = 0-434

Grand Total 1143

“Scholarship” is the term for “research” used by liberal arts colleges & universities.

“Project” is the term used by quality improvement to differentiate it from research requiring IRB approval for participant-level research.

The collaborative teams I “manage” follow the well-known criteria for authorship established by the International Committee of Medical Journal Editors (ICMJE). The ICMJE recommends 4 criteria for authorship: concept or design or data (acquisition or analysis or interpretation), AND drafting or critical revision, AND final approval, AND accuracy/integrity/recognition of each team members’ contributions. Each author is individually responsible for their contributions, continued engagement and conflicts of interest disclosure.

<http://www.icmje.org/recommendations/browse/roles-and-responsibilities/defining-the-role-of-authors-and-contributors.html>

This CV and the ICMJE journals follow Vancouver style format for citations. The Uniform Requirements for Manuscripts Submitted to Biomedical Journals may have minor variations, e.g., JAMA, AMA and Chicago are similar styles, following the 1978 Vancouver conference. <http://www.library.unt.edu/help/tutorials/vancouvericmje-style-biomedical-sciences>

Please note that publications in the biomedical sciences often list authors in the order of contribution, and may include an alphabetical section for team members who contributed equally, with senior author/s in the final position. Senior authors function as the “lab” director, with additional responsibilities for strategic alignment, resource allocation (funding or securing specialty “coaches”) and sponsorship (speaking on behalf of the team and promoting members). First authors often function as the project manager and may complete more of the daily work and overall “voice,” while becoming expert in some aspect of the project. A team science approach is common, due to the integration of specialized knowledge required to complete long-term and complex projects across organizations. All authors are important to the success of the project. As such, third or sixth authors may be equally important, depending on the scope of the project. Limited or temporary roles may be “acknowledged,” individually or as a group, as is often the case with students who fulfill a temporary assignment, or paid assistants.

Citation number varies slightly amongst Google Scholar, Scopus, PubMed/MEDLINE, Web of

Science. Scopus/PubMed/MEDLINE does not recognize peer-reviewed journals of lesser Journal Impact Factor (JIF), nor are peer reviewed manuscripts in many health administration and education journals recorded in the scientific databases.

TOP TEN

TITLE	CITED BY	YEAR
<p>Newly developed and validated eosinophilic esophagitis histology scoring system and evidence that it outperforms peak eosinophil count for disease diagnosis and monitoring. RME Collins MH, Martin LJ, Alexander ES, Boyd JT, Sheridan R, He H, Pentiuik ... Dis Esophagus 30 (3), 1-8</p>	434 *	2017
<p>A striking local esophageal cytokine expression profile in eosinophilic esophagitis C Blanchard, EM Stucke, B Rodriguez-Jimenez, K Burwinkel, MH Collins, ... Journal of Allergy and Clinical Immunology 127 (1), 208-217. e7</p>	322	2011
<p>Twin and family studies reveal strong environmental and weaker genetic cues explaining heritability of eosinophilic esophagitis ES Alexander, LJ Martin, MH Collins, LC Kottyan, H Sucharew, H He, ... Journal of allergy and clinical immunology 134 (5), 1084-1092. e1</p>	316	2014
<p>Using Mendelian inheritance errors as quality control criteria in whole genome sequencing data set VV Pilipenko, H He, BG Kurowski, ES Alexander, X Zhang, L Ding, ... BMC proceedings 8, 1-5</p>	15	2014
<p>Impact of population stratification on family-based association in an admixed population TB Mersha, L Ding, H He, ES Alexander, X Zhang, BG Kurowski, ... International Journal of Genomics 2015 (1), 501617</p>	9	2015
<p>Acquired esophageal strictures in children: morphometric and immunohistochemical analyses MH Collins, ES Alexander, LJ Martin, TM Grotjan, VA Mukkada, A Sheil, ... Pediatric and Developmental Pathology 25 (2), 124-133</p>	7	2022
<p>Community service-learning improves learning outcomes, content knowledge, and perceived value of health services education: A multiyear comparison to lecture ES Alexander, FR Browne, AE Eberhart, SL Rhiney, J Janzen, K Dale, ... International Journal of Research on Service-Learning and Community ...</p>	7	2020
<p>On family-based genome-wide association studies with large pedigrees: observations and recommendations DW Fardo, X Zhang, L Ding, H He, B Kurowski, ES Alexander, TB Mersha, ... BMC proceedings 8, 1-5</p>	7	2014
<p>Modeling of multivariate longitudinal phenotypes in family genetic studies with Bayesian multiplicity adjustment L Ding, BG Kurowski, H He, ES Alexander, TB Mersha, DW Fardo, ... BMC proceedings 8, 1-6</p>	6	2014
<p>Team- and Problem-Based Learning in Health Services: A Systematic Literature Review of Recent Initiatives in the United States. ES Alexander, AA White, A Varol, K Appel, Lieneck Educ Sci 14 (5), 515-</p>	5	2024

SCHOLARSHIP IN PROGRESS

Dr. Alexander's scholarship with XU faculty, staff, or student mentees is highlighted in yellow.

Late-stage: Application of predictive HPV vaccine dose administration models to South Carolina: County level strategies to improve HPV vaccine delivery with [Dr. Ashley White](#).

Mid-stage: Simulation of Sustainable Energy Use in Healthcare with [Dr. Ashley White](#) & Brendon Jenkins of Waibel Engineering. Funded by a Wheeler grant from Xavier University.

Mid-stage: Fresh Vegetable Program Increases Produce Consumption, Reduces Waist Size, and Supports Employee Wellness with [AA White](#), [GE Nicewonger](#), [EG Brosnan](#), [DE Petrus](#) & [JR Morris](#).

Early stage: Using AI to conduct a Systematic review of Community Health Worker Activity in the U.S.A. with [Drs Ashley White](#), [Peter Mallow](#), [Paul Niklewski](#).

Early-stage: Making the Business Case for Sustainable Energy Use in Healthcare with [Dr. Ashley White](#), Cristian Lieneck (XU alumnus & Chair HA at TX State), & Brendon Jenkins of Waibel Engineering.

BOOK CHAPTER

Teaching to the Mission, 8th ed., hardcopy release 2021

"The newest edition of "Teaching to the Mission" has been printed with Dr. Laney Bender Slack on the cover. In this compendium, faculty from 12 cohorts of the endowed Ignatian Mentoring Program share how they bring Ignatian pedagogy to life in the classroom. For hard copies, contact [Diana Rischman](#) or [view it online](#).

Please note that the 8th edition is the first to include faculty from the Department of Health Services Administration (est. 1958) in the College of Professional Sciences at Xavier University.

Alexander ES with Diab DL (mentor). Integrating Jesuit Values in the Online Master of Science (MS) in Health Economics and Clinical Outcomes Research (HECOR) Program *in Teaching to the Mission*, 8th ed., e-book 2018, hardcopy release 2021.

<https://www.xavier.edu/jesuitresource/online-resources/mission-focused-pedagogy/health-service-administration/index>

Please feel free to request free video links.

TEAM WHITEPAPERS

Presented 2019:

Building Explainability and Trust for AI in Healthcare. Xavier Health's Artificial Intelligence Summit, August 21-24, 2019, at Xavier University, Cincinnati, OH, USA.

Published 2020: <https://heather-harwood-m5h2.squarespace.com/news3/2020/1/8>

My daughter Sara designed several Figures for this whitepaper.

- [Download whitepaper: Building Explainability and Trust for AI in Healthcare](#)

Presented 2018:

Berkman Sahiner, Bruce Friedman, Cindi Linville, Cindy Ipach, Edna Montgomery, **Eileen Steinle Alexander**, and et al. Perspectives and Best Practices for Artificial Intelligence and Continuously Learning Systems in Healthcare. Xavier Health's Artificial Intelligence Summit, August 23-24, 2018, at Xavier University, Cincinnati, OH, USA.

Published 2018: <https://www.xavierhealth.org/gmlp-team>

Citations = 1 per Google Scholar

XU eXhibit downloads in 2024 = 953

- [Download whitepaper: *Good Practices for AI and Continuously Learning Systems in Healthcare*](https://www.exhibit.xavier.edu/cgi/viewcontent.cgi?article=1024&context=health_services_administration_faculty)
https://www.exhibit.xavier.edu/cgi/viewcontent.cgi?article=1024&context=health_services_administration_faculty
- [Download spreadsheet: Good Machine Learning Practices \(GmLP\) Checklist](#)

PEER REVIEWED PUBLICATIONS AND PUBLISHED ABSTRACTS

Dr. Alexander's scholarship with XU faculty, staff, or student mentees is highlighted in yellow.

ES Alexander, **AA White**, **GE Nicewonger**, **EG Brosnan**, **DE Petrus**, JR Morris. Fresh Vegetable Program Increases Produce Consumption, Reduces Waist Size, and Supports Employee Wellness. *Annals of Epidemiology*. 2024. (Published abstract)
doi: <https://doi.org/10.1016/j.annepidem.2024.07.038>

Ashley A. White; Renee' H. Martin, Brian Neelon, Kathleen B. Cartmell, Edith M. Williams, Jeffrey E. Korte, **Eileen S. Alexander**, Elizabeth J. Kopras; James R. Roberts, Predictive Modeling of Targeted Improvements for County-level HPV Vaccine Delivery in South Carolina. *Annals of Epidemiology*. 2024, ISSN 1047-2797. (Published abstract)
doi: <https://doi.org/10.1016/j.annepidem.2024.07.025>

I invited HSA Assistant Professor Ashley White, Adjuncts Kacey Appel, & XU Sport Science Teaching Faculty Ashley Varol to join the team:

Alexander, ES; **White, AA**; **Varol, A**; **Appel, K**; Lieneck, C Team- and Problem-Based Learning in Health Services: A Systematic Literature Review of Recent Initiatives in the United States. *Educ. Sci.* **2024**, *14*(5), 515; <https://doi.org/10.3390/educsci14050515>
<https://www.mdpi.com/2227-7102/14/5/515> Citations = 4 per Google Scholar

Collins MH, **Alexander ES**, Martin LJ, et al. Acquired Esophageal Strictures in Children: Morphometric and Immunohistochemical Analyses. *Pediatric and Developmental Pathology* 2022; *25*(2). <https://journals.sagepub.com/doi/10.1177/10935266211041086>
Citations = 7 per Google Scholar
Ongoing collaboration 2010-2022

Alexander ES, Eberhart A, **Rhiney S**, **Janzen J**, **Dale K**, Vazquez P, **Browne FR**. Community Service-learning Improves Students' Learning Outcomes, Content Knowledge and Perceived Value of Health Services Education: a Multi-year Comparison to Lecture. *International Journal*

for Research on Service Learning and Community Engagement, Vol. 8, December 21, 2020; released 19 January 2021. <https://ijrslce.scholasticahq.com/articles>
<https://doi.org/10.37333/001c.18079> Citations = 7 per Google Scholar

Parsley L, Brandt DM, Carr DL, Uhry S, **Alexander ES**, Donauer SA, Mallow PJ. A systematic literature review of three stenting strategies for significant bifurcation lesions in coronary artery disease. Journal of Health Economics and Outcomes Research 2019; 6 (2): 95-105.
(Faculty-Student Research) doi: 10.36469/9746

Alexander ES, Donauer SA, Ndum EE, Farrell MC, Linenkugel NL. Innovative Professional Network Echo Method Improves Recruitment of Diverse and Multicultural Students to Health Administration, J Health Admin Education 2017; 34 (3): 437-449. (this was an invited manuscript for a special diversity edition) (Faculty-Student Research)
Citations = 1 per Google Scholar

Collins MH, Martin LJ, **Alexander ES**, Boyd JT, Sheridan R, He H, Pentiuik S, Putnam PE, Abonia JP, Mukkada VA, Franciosi JP, Rothenberg ME. [Newly developed and validated eosinophilic esophagitis histology scoring system and evidence that it outperforms peak eosinophil count for disease diagnosis and monitoring.](https://pubmed.ncbi.nlm.nih.gov/26857345/) Dis Esophagus. 2017 Feb 1;30(3):1-8. doi: 10.1111/dote.12470. PMID: 26857345; PMCID: PMC5373936.
<https://pubmed.ncbi.nlm.nih.gov/26857345/>
Citations = 254; ISDE; Oxford Academic JIF 2.386; Published online Dec. 2016
XU eXhibit downloads in 2024 = 117

Mersha TB, Ding L, He H, **Alexander ES**, Zhang X, Kurowski BG, Pilipenko V, Kottyan L, Martin LJ, Fardo [Impact of Population Stratification on Family-Based Association in an Admixed Population.](http://www.dx.doi.org/10.1155/2015/501617) DW. Int J Genomics. 2015:501617. doi: 10.1155/2015/501617. PMID: 26064873
Citations = 9 per Google Scholar
XU eXhibit downloads in 2024 = 68
Free PMC Article <http://www.dx.doi.org/10.1155/2015/501617>

Alexander ES, Martin LJ, Collins MH, Kottyan LC, Sucharew H, He H, Mukkada VA, Succop PA, Abonia JP, Foote H, Eby MD, Grotjan TM, Greenler AJ, Dellon ES, Demain JG, Furuta GT, Gurian LE, Harley JB, Hopp RJ, Kagalwalla A, Kaul A, Nadeau KC, Noel RJ, Putnam PE, von Tiehl KF, Rothenberg ME. [Twin and family studies reveal strong environmental and weaker genetic cues explaining heritability of eosinophilic esophagitis.](http://www.jacionline.org/article/S0091-6749(14)01009-4/abstract) J Allergy Clin Immunol. 2014 Nov;134(5):1084-1092.e1. doi: 10.1016/j.jaci.2014.07.021. PMID: 25258143 Free PMC Article [http://www.jacionline.org/article/S0091-6749\(14\)01009-4/abstract](http://www.jacionline.org/article/S0091-6749(14)01009-4/abstract)
JIF 12.485 (most cited journal in the field of allergy & immunology)
Citations = 314 per Google Scholar, “a comprehensive review of environmental factors” and first calculated genetic heritability in EoE
XU eXhibit downloads in 2024 = 78

Fardo DW, Zhang X, Ding L, He H, Kurowski B, **Alexander ES**, Mersha TB, Pilipenko V, Kottyan L, Nandakumar K, Martin L. [On family-based genome-wide association studies with large pedigrees: observations and recommendations.](https://doi.org/10.1186/1753-6561-8-S1-S26) BMC Proc. 2014 Jun 17;8(Suppl 1 Genetic Analysis Workshop 18Vanessa Olmo):S26. doi: 10.1186/1753-6561-8-S1-S26. PMID: 25519377 Citations = 7 per Google Scholar Free PMC Article

Pilipenko VV, He H, Kurowski BG, **Alexander ES**, Zhang X, Ding L, Mersha TB, Kottyan L,

Fardo DW, Martin LJ. [Using Mendelian inheritance errors as quality control criteria in whole genome sequencing data set](#). BMC Proc. 2014 Jun 17;8(Suppl 1 Genetic Analysis Workshop 18Vanessa Olmo):S21. doi: 10.1186/1753-6561-8-S1-S21. PMID: 25519373
Citations = 15 per Google Scholar Free PMC Article

Ding L, Kurowski BG, He H, **Alexander ES**, Mersha TB, Fardo DW, Zhang X, Pilipenko VV, Kottyan L, Martin LJ. [Modeling of multivariate longitudinal phenotypes in family genetic studies with Bayesian multiplicity adjustment](#). BMC Proc. 2014 Jun 17;8(Suppl 1):S69. doi: 10.1186/1753-6561-8-S1-S69. PMID: 25519340
Citations = 7 per Google Scholar, Free PMC Article

MH Collins, LJ Martin, **ES Alexander**, S Pentiuik, A Ellison, PE Putnam, JP Franciosi, JP Abonia, ME Rothenberg. [Histology scoring system \(HSS\) is superior to peak eosinophil count \(PEC\) to identify treated vs untreated eosinophilic esophagitis \(EOE\) patients](#). J Allergy Clin Immunol. 2012 Nov;129(2): AB96. (Published abstract)
[https://www.jacionline.org/article/S0091-6749\(11\)02648-0/fulltext](https://www.jacionline.org/article/S0091-6749(11)02648-0/fulltext)

Blanchard C, Stucke EM, Rodriguez-Jimenez B, Burwinkel K, Collins MH, Ahrens A, **Alexander ES**, Butz BK, Jameson SC, Kaul A, Franciosi JP, Kushner JP, Putnam PE, Abonia JP, Rothenberg ME [A striking local esophageal cytokine expression profile in eosinophilic esophagitis](#). J Allergy Clin Immunol. 2011 Jan;127(1):208-17, 217.e1-7. doi: 10.1016/j.jaci.2010.10.039. PMID: 21211656 JIF 12.485 (most cited in allergy & immunology)
Citations = 322 per Google Scholar, Free PMC Article

Ehlers NA, Kaiser M, **Steinle E**, Wolterman K (co-authors, alphabetical), Rumpler, CH (advisor) Every good business invests in research: shouldn't nursing also? Imprint 1982;29:37-40.

OTHER PUBLICATIONS, DISSERTATION, THESIS, CONFERENCE PROCEEDINGS & INVITED ARTICLES

(Dr. Alexander is also a biologist, naturalist & environmental scientist.)

2024 IHI Club Volunteers at Rowe Arboretum Earth Day <https://indianhill.gov/wp-content/uploads/2024/06/Bulletin-06-26-24.pdf>

Alexander ES. THE WHO LIVES HERE SERIES #3: NATIVE BEES. Indian Hill Bulletin, September 28, 2022. <https://indianhill.gov/wp-content/uploads/2022/09/Bulletin-9-28-22.pdf>

Alexander ES and Alexander KA. THE WHO LIVES HERE SERIES #2: WILDLIFE MANAGEMENT 101: PREDATORS! MANAGEMENT OF THE EASTERN COYOTE. Indian Hill Bulletin, March 30, 2022. <https://indianhill.gov/wp-content/uploads/2022/03/Bulletin-3-30-22.pdf>

Alexander ES. THE WHO LIVES HERE SERIES #1: WHITE-TAILED DEER. Indian Hill Bulletin, March 2, 2022. <https://indianhill.gov/wp-content/uploads/2021/12/Bulletin-3-2-22.pdf>

Alexander ES. Twin and family risk from environment and epigenetics (FREE) studies reveal strong environmental and weaker genetic cues that explain high heritability of eosinophilic esophagitis. University of Cincinnati, Cincinnati, OH, 2014, OhioLINK Library Catalog, Thesis, Ph.D. (Epidemiology). <https://etd.ohiolink.edu/ap/6?0::NO::>

Citations = 2 per Google Scholar

Alexander ES. Bioremedial Potential of the Legume-*Bradyrhizobium japonicum* Symbiosis. MS thesis and presentation. University of Cincinnati, Cincinnati, OH, 1993.

U of Cincinnati Biology Library CALL NO: biol C.U.157.93 .A53; BARCODE: 404-112353792ci3ug (available by request through interlibrary loan)

Shann JR, Vestal JR, **Alexander ES**, Boyle JJ, Grosser RJ, Haws KB, Knaebel DB. Biodegradation of hazardous materials in soil: the role and potential promise of microbial enhancement in the rhizosphere *In 1992 Proceedings of the Pacific Basin Consortium for Hazardous Waste Research.*

INVITED ORAL PRESENTATIONS AT INTERNATIONAL, NATIONAL OR REGIONAL CONFERENCES & PROFESSIONAL ORGANIZATIONS

Alexander ES. EVERYDAY AI: Your New Superpower! Sherrill Morgan Employee Benefits Annual Healthcare Innovation Conference, September, 17, 2024, Hilton Netherland Plaza, Cincinnati, Ohio.

[https://www.sherrillmorgan.com/media/conference/2024%20Sherrill%20Morgan%20Conference%20Agenda\(1\).pdf](https://www.sherrillmorgan.com/media/conference/2024%20Sherrill%20Morgan%20Conference%20Agenda(1).pdf)

2022 AUPHA Undergraduate Certification Standards Review and Revision Process, Member Feedback Survey, and Town Hall Recording: to view the [Town Hall recording](#), you will need to be logged in as a member. **Alexander ES**, presenter for the AUPHA Undergraduate Program Committee Certification Criteria Review and Revision Towne Hall, specifically, the Program Evaluation and Improvement (Criteria 26-28), October 27, 2022, interactive webinar.

Ethics in the COVID19 Era (**Eileen Alexander**, Xavier University) at the Association of University Programs in Health Administration, Ethics Faculty Forum, July 23, 2020, webinar, USA. **(International)**

<https://www.aupha.org/educationevents/educationeventsam2020recordingsmain/facultyforumrecordings>

<https://www.aupha.org/educationevents/educationeventsam2020recordingsmain>

Teaching complex statistical process control (**Eileen Alexander**, Xavier University) at the Innovative Quality Improvement Teaching Approaches session of the Association of University Programs in Health Administration, and Global Management Forum, June 11-14, 2019, NOLA, USA. **(International)**

PEER REVIEWED ORAL PRESENTATIONS AT INTERNATIONAL, NATIONAL OR REGIONAL CONFERENCES

Alexander ES & Lieneck C. Meeting the Most Difficult Undergraduate Certification Criteria: 3 Graphs & a Spreadsheet. AUPHA International Conference Presenter, 2023, Washington D.C.,

U.S.A.

Alexander ES, Browne FR. Community Service Learning Improves Students' Learning Outcomes and Perceived Value of Health Services Education to the Lilly Conference on College Teaching, November 16-19, 2017 at Miami University, OH. **(Regional with invited manuscript)**

INVITED ORAL PRESENTATIONS (professional organizations, course lectures, and professional development)

Alexander ES. EVERYDAY AI: Your New Superpower! HESA 389 Applied Health Sciences, September, 2024, Xavier University, Cincinnati OH.

Alexander ES. EVERYDAY AI: Your New Superpower! AI Overview with Applications to Employee Health. Sep 17, 2024, Sherrill Morgan Annual Business-to-business Conference, Cincinnati OH USA.

Alexander ES. Population Health Careers, HESA 389 Applied Health Sciences, March, 2024, Xavier University, Cincinnati OH.

Alexander ES. Population Health Careers, HESA 389 Applied Health Sciences, March & September, 2023, Xavier University, Cincinnati OH.

Alexander ES et al. AUPHA Undergraduate Program Committee Certification Criteria Review and Revision Towne Hall, specifically, the Program Evaluation and Improvement (Criteria 26-28), October 27, 2022, interactive webinar.

Alexander ES. Population Health Careers, HESA 389 Applied Health Sciences, March & September, 2022, Xavier University, Cincinnati OH.

Alexander ES. Population Health Careers, HESA 389 Applied Health Sciences, March & September, 2021, Xavier University, Cincinnati OH.

Alexander ES. Population Health Careers, HESA 389 Applied Health Sciences, March 2, 2020, Xavier University, Cincinnati OH.

Alexander ES. Population Health Careers, HESA 389 Applied Health Sciences, October 7, 2019, Xavier University, Cincinnati OH.

Alexander ES. Population Health Careers, PD 1000: Exploring Health Professions, February 23, 2017, University of Cincinnati, Cincinnati OH.

Alexander ES. Population Health and Management, October 20, 2016, HESA579 Health Policy & Policy Analysis, Xavier University, Cincinnati OH.

Alexander ES. Health Economic Outcomes: Theory & Methods to Spread Changes in the School of Nursing, DNP program, NURS907 Evaluation & Analysis of Outcomes in Health Care, April 19, 2016, Xavier University, Cincinnati OH.

Alexander ES. Creating an Evidence-based Capstone Project for Undergraduates Using Microsoft Surface in the Department of Health Services Administration BSHSA program, Center for Teaching Excellence, April 22, 2015, Xavier University, Cincinnati OH.

Alexander ES. Panel member: Creative Careers in Science, March 20, 2015, The Summit Country Day School Science Institute, J.B. Sakash Replogle, Ph.D., Head, Cincinnati, OH.

Alexander ES. Environmental and Epigenetic Clues to Twin and Family Risk for Eosinophilic Esophagitis *at* the Chemical and Environmental Engineering Graduate Seminar, December 5, 2014, University of Cincinnati College of Engineering, Cincinnati, OH.

Alexander ES. A TALE of TWO Core facilities: Resources for studying Family-based Risk from Epigenetics, Environment (FREE) and heritability *at* The University of Cincinnati College of Medicine, Department of Environmental Health, Division of Epidemiology and Biostatistics Seminar Series, February 20, 2014, Cincinnati, OH.

Alexander ES. Healthcare-acquired infections: Risk and Ethical Management in 2014 *at* Xavier University, Department of Health Services Administration, January 21, 2014, Cincinnati, OH.

Alexander ES. Environmental and Genetic Contributions to the Risk of Eosinophilic Esophagitis by Analysis of Families and Twins *at* the Center for Environmental Genetics Symposium, May 21, 2013, Kehoe Auditorium, Kettering Laboratory, University of Cincinnati College of Medicine, Cincinnati, OH.

Alexander ES. Introduction to REDCap database and data management for Genetic Counseling students, Department of Human Genetics, University of Cincinnati and Cincinnati Children's Hospital Medical Center, Cincinnati OH, May 9, 2013.

Alexander ES. Fulkerson Laboratory Lunch and Learn: Statistical Analysis Planning for Murine Models. March 8, 2013 Cincinnati Children's Hospital Medical Center, Cincinnati OH.

Alexander ES. Family Risk in Eosinophilic Esophagitis: Twin and Family Genetics Studies *at* The Division of Biostatistics and Epidemiology Research in Progress Seminar Series, February 13, 2013, Cincinnati Children's Hospital Medical Center, Cincinnati, OH.

Alexander ES. The Application of Factor Analysis and Structural Equations to Estimate LVM index from the NGHS Data. National Growth and Health Study Workgroup (J. Morrison, S. Daniels, E. Urbina, J. Woo, H. Ippisch), February 1, 2013, Cincinnati Children's Hospital Medical Center, Cincinnati, OH.

Collins MH and **Alexander ES.** Histology Scoring System for esophageal biopsies *at* The University of Cincinnati College of Medicine, Department of Environmental Health, Division of Epidemiology and Biostatistics Seminar Series, September 6, 2012, Cincinnati, OH.

Alexander ES. Twin Shared Environment Increases The Risk of Eosinophilic Esophagitis *at* the Center for Environmental Genetics Symposium, June 26, 2012, Kehoe Auditorium, Kettering Laboratory, Cincinnati, OH.

Alexander ES. Twin Shared Environment Increases The Risk of Eosinophilic Esophagitis in Families *at* The University of Cincinnati College of Medicine, Department of Environmental Health, Division of Epidemiology and Biostatistics Seminar Series, February 2, 2012, Cincinnati,

OH.

Panel: "Networking: Spinning your web of success" The Center for Environmental Genetics Career Development Core. October 25, 2011, University of Cincinnati College of Medicine.

Alexander ES, Martin LJ, Abonia JP, Foote H, Eby MD, Rothenberg ME. Sex of parent is associated with familial risk of eosinophilic esophagitis. **Oral** presentation at The University of Cincinnati College of Medicine, Department of Environmental Health, Division of Epidemiology and Biostatistics Seminar Series, February 17, 2011, Cincinnati, OH.

PEER REVIEWED PRESENTATIONS, POSTERS AND PUBLISHED ABSTRACTS

Faculty-Student Quality Improvement projects or Research (FSR) are ongoing Xavier faculty-student-community partner collaborations designed to reflect and apply academic learnings.

In the BS-HSA CSL course series, I function as the senior author, like a lab director, to mentor and coach all authors, coordinate partnerships and communication, and edit or complete analyses and presentations, as needed. I allow students to list my name as they wish, or their culture suggests, so there is slight variability. New students participate each term until the project is completed, and updated works may be submitted to more than one conference, over time. All abstracts and posters are available on request.

Dr. Alexander's scholarship with XU faculty & student mentees are highlighted in yellow

ES Alexander, AA White, GE Nicewonger, EG Brosnan, DE Petrus, JR Morris. FRESH VEGETABLE PROGRAM INCREASES PRODUCE CONSUMPTION, REDUCES WAIST SIZE, AND SUPPORTS EMPLOYEE WELLNESS. American College of Epidemiology Annual Meeting, Sep 8-11, 2024, Columbus OH USA. (National) (**Published abstract**)

Ashley A. White, PhD, MPH1; Renee' H. Martin, PhD2; Brian Neelon, PhD2; Kathleen B. Cartmell, PhD3; Edith M. Williams, PhD, MS4; Jeffrey E. Korte, PhD5; **Eileen S. Alexander** PhD1, Elizabeth J. Kopras6; James R. Roberts, MD, MPH7 PREDICTIVE MODELING OF TARGETED IMPROVEMENTS FOR COUNTY-LEVEL HPV VACCINE DELIVERY IN SOUTH CAROLINA. American College of Epidemiology Annual Meeting, Sep 8-11, 2024, Columbus OH USA. (National) (**Published abstract**)

Nicewonger G, Brosnan E, Petrus D, and **Alexander ES.** Community Service Partnership to Assess Vision Care Access for Underserved Zip Codes & Identify Improvement Opportunities for Care Delivery. **Oral** presentation April 21, 2023 to The TriHealth Pitch Competition, Xavier University, Cincinnati OH. "The 1st Annual TriHealth Pitch Competition featured student teams who pitched a healthcare idea that solves a problem to a panel of judges from TriHealth."

Nicewonger G, Brosnan E, Petrus D, and **Alexander ES.** Community Service Partnership to Assess Vision Care Access for Underserved Zip Codes & Identify Improvement Opportunities for Care Delivery. **Poster** presentation April 21, 2023 to A Celebration of Student Research and Creativity, Xavier University, Cincinnati OH. (**ONGOING CSL PARTNER 2018-2023: OneSight EssilorLuxottica Vision Foundation**)

Driskell C, Schlich J, Huelsman K, and **Alexander ES.** Students Support Population Health: Creating a Genetic Database for TriHealth Cancer Institute. **Poster** presentation to the

Association of University Programs in Health Administration Conference, June, 2019, NOLA, USA. **(International, FSR PROJECT 2017-2019)**

Driskell C, Schlich J, Huelsman K, and **Alexander ES.** Students Support Population Health: Creating a Genetic Database for TriHealth Cancer Institute. **Poster** presentation April 25, 2019 to A Celebration of Student Research and Creativity, Xavier University, Cincinnati OH. **(FSR PROJECT 2017-2019)**

Conkle B, Kidwell M, and **Alexander ES.** Assessing 30-Day Readmission Rates of Patients with COPD. **Poster** presentation April 25, 2019 to A Celebration of Student Research and Creativity, Xavier University, Cincinnati OH. **(FSR PROJECT 2018-2019)**

Nana Adwoa D. Boateng-Antwi, Michael Boateng-Antwi, Helton E, Ijaz S, Mbachilin M, Oluduyile R, **Amelia Bedri,** and **Eileen Steinle Alexander,** Advisor. Teaching Quality at Global Scale: Korle-Bu Hospital-Xavier Partnership to Improve Sanitary Facilities. **Updated Poster** presentation to the Population Health: Tomorrow's Coordinated Health Care System- Today Conference (funded by HRSA, USA), April, 2019, Cincinnati, Ohio, USA. **(Regional, FSR project 2017-2019)**

Nana Adwoa D. Boateng-Antwi, Michael Boateng-Antwi, Helton E, Ijaz S, Mbachilin M, Oluduyile R, **Amelia Bedri,** and **Eileen Steinle Alexander,** Advisor. Teaching Quality at Global Scale: Korle-Bu Hospital-Xavier Partnership to Improve Sanitary Facilities. **Poster** presentation April 25, 2019 to A Celebration of Student Research and Creativity, Xavier University, Cincinnati OH. **(FSR project 2017-2019)**

Nana Adwoa D. Boateng-Antwi, Michael Boateng-Antwi, Helton E, Ijaz S, **Amelia Bedri,** and **Eileen Steinle Alexander,** Advisor. Ghanaian Hospitals' Sanitary Facilities and Population Health: Korle Bu Teaching Hospital Partnership. **Updated Poster** presentation to the American College of Epidemiology, September 23-25, 2018, Cincinnati, OH, USA. **(National, FSR project 2017-2019)**

Nana Adwoa D. Boateng-Antwi, Michael Boateng-Antwi, **Amelia Bedri,** and **Eileen Steinle Alexander,** Advisor. Ghanaian Hospitals' Sanitary Facilities and Population Health: Korle Bu Teaching Hospital Partnership. **Poster** presentation to the Midwest Global Health Conference, February 24, 2018, Cincinnati, OH, USA. **(Regional, FSR project 2017-2019)**

Parsley, L., Brandt, D., Carr, D., Mallow, P., PhD, Alexander, E., PhD, Brocchi, Julien, MD. Provisional Versus Complex or Tryton Stenting Strategies for Significant Bifurcated Lesions in Coronary Artery Disease: A Systematic Review and Meta-Analysis to the International Society for Pharmaco-economic Research, 2018, Baltimore, MD, USA. **(International, FSR PROJECT 2016-2018)**

Enlara Engwan Ndum, Ariel Nicole Hoeldtke, Stacey Hemmerich, Thomas Towers (Students, Alumni), Sara Lauren Alexander, Hanin Ali (IHHS Summer Interns), Angela Eberhart (Primary Health Solutions Director Population Health) and **Eileen Steinle Alexander** (Principal Investigator, Asst. Professor). Local-Global Community Service Partnership Improves Vaccine Education for Low Income Ohio Families. **Poster** presentation to the Global Health & Innovation Conference, April 13-15, 2018, Yale University, new Haven CT, USA. **(International, FSR**

PROJECT 2015-2018)

Enlara Engwan Ndum, Ariel Nicole Hoeldtke, Stacey Hemmerich, Thomas Towers (Students, Alumni), Sara Lauren Alexander, Hanin Ali (IHHS Summer Interns), Angela Eberhart (Primary Health Solutions Director Population Health) and Eileen Steinle Alexander (Principal Investigator, Asst. Professor). Local-Global Community Service Partnership Improves Vaccine Education for Low Income Ohio Families. **Poster** presentation to the Midwest Global Health Conference, February 24, 2018, Cincinnati, OH, USA. **(Regional, FSR PROJECT 2015-2018)**

Ndum EE, Hoeldtke AN, Alexander SL, Ali H (students), Eberhart AE and Alexander ES (advisors). Community Service Partnership Improves Vaccine Education for Low Income Families in Butler County, Ohio. **Poster** presentation to the Society for Public Health Education Health Educators' Institute, October 26-27, 2017, Toledo, OH, USA. **(Regional, FSR PROJECT 2015-2018)**

Alexander ES, Browne FR. Process Improvement Consulting Teams: Creating an Undergraduate Capstone Experience. **Poster** presentation to the Association of University Programs in Health Administration Annual Meeting, June 2-6, 2015, Miami, FL, USA. **(First Place, unanimously; Faculty collaboration 2015-2020)**

Citations = 5

XU eXhibit downloads in 2024 = 66 (Total = 232)

https://www.exhibit.xavier.edu/health_services_administration_faculty/17/

Collins MH, Alexander ES, Martin LJ, Grotjan TM, Abonia JP, Mukkada VA. Su1953 Esophageal Strictures in Children Contain Focal Obliterative Muscularization and Mural Inflammation Gastroenterology 2014:134(5) S-507. **(Published abstract)**
doi: [10.1016/S0016-5085\(14\)61833-3](https://doi.org/10.1016/S0016-5085(14)61833-3)
<http://rave.ohiolink.edu/ejournals/article/313686757>

Alexander ES, Martin LJ, Abonia JP, Foote H, Eby MD, Rothenberg ME. Male sex of affected parent is associated with familial risk of eosinophilic esophagitis. **Poster** presentation at the Campaign Urging Research for Eosinophilic Disease (CURED) Annual Symposium, November 22-24, 2013, Cincinnati Children's Hospital Medical Center, Cincinnati, OH.

Alexander ES, Martin LJ, Abonia JP, Collins MH, Succop PA, Greenler AJ, Dellon ES, Demain JG, Franciosi JP, Furuta GT, Gurian LE, Hopp RJ, Kaul A, Nadeau K, Noel RJ, Putnam PE, von Tiehl KF, Eby MD, Foote H, Ellison AC, Rothenberg ME. Twin Shared Environment Increases The Risk of Eosinophilic Esophagitis in Families J Allergy Clin Immunol 2012:129(2) ABp245#926. **(Published abstract) Citations = 1 per Google Scholar**

Collins MH, Martin LJ, Alexander ES, Pentiuik S, Ellison AC, Putnam PE, Franciosi JP, Abonia JP, Rothenberg ME. Histology Scoring System (HSS) is Superior to Peak Eosinophil Count (PEC) to Identify Treated vs Untreated Eosinophilic Esophagitis (EoE) Patients J Allergy Clin Immunol 2012:129(2) AB#363. **(Published abstract) Citations = 4**

Alexander ES, Martin LJ, Abonia JP, Foote H, Eby MD, Rothenberg ME. Male sex of affected parent is associated with familial risk of eosinophilic esophagitis. **Poster** presentation at the Center for Environmental Genetics Symposium, June 26, 2012, Kehoe Auditorium, Kettering Laboratory, Cincinnati, OH.

Alexander ES, Martin LJ, Abonia JP, Collins MH, Succop PA, Greenler AJ, Dellon ES, Demain

JG, Franciosi JP, Furuta GT, Gurian LE, Hopp RJ, Kaul A, Nadeau K, Noel RJ, Putnam PE, von Tiehl KF, Eby MD, Foote H, Ellison AC, Rothenberg ME. Twin Shared Environment Increases The Risk of Eosinophilic Esophagitis in Families **Oral presentation at American Academy of Allergy, Asthma and Immunology 2012 Annual Meeting, March 2-6, 2012, Orlando, FL.**

Citations = 1 per Google Scholar

Collins MH, Martin LJ, **Alexander ES**, Pentiuik S, Ellison AC, Putnam PE, Franciosi JP, Abonia JP, Rothenberg ME. Histology Scoring System (HSS) is Superior to Peak Eosinophil Count (PEC) to Identify Treated vs Untreated Eosinophilic Esophagitis (EoE) Patients. **Poster** presentation at American Academy of Allergy, Asthma and Immunology 2012 Annual Meeting, March 2-6, 2012, Orlando, FL. **Citations = 3 per Google Scholar**

Alexander ES, Martin LJ, Abonia JP, Foote H, Eby MD, Rothenberg ME. Male sex of affected parent is associated with familial risk of eosinophilic esophagitis. **Poster** presentation at the International Eosinophil Society, June 21-25, 2011, Quebec City, Quebec, Canada.

Young Investigator Award. (International)

Alexander ES, Martin LJ, Abonia JP, Foote H, Eby MD, Rothenberg ME. Sex of parent is associated with familial risk of eosinophilic esophagitis. J Allergy Clin Immunol 2011;127(2) AB217. (Published abstract)

Alexander ES, Martin LJ, Abonia JP, Foote H, Eby MD, Rothenberg ME. Sex of parent is associated with familial risk of eosinophilic esophagitis. **Oral presentation at American Academy of Allergy, Asthma and Immunology 2011 Annual Meeting, March 18-22, 2011, San Francisco, CA.**

Alexander ES, Jeffreys RM, Inge TH, Woo JG. Keeping the bariatric cohort together: long term study and the reduction of participation bias. **Poster** presented at The Obesity Society 2010 Annual Meeting, October 2010, San Diego CA.

Woo JG, Jeffreys RM, **Alexander E**, Inge TH. Early life characteristics of adolescents undergoing weight loss surgery. **Poster** presented at The Obesity Society 2010 Annual Meeting, October 2010, San Diego CA.

Alexander ES, Fiutem C, Kralovic SM, Succop PA, Khoury JC. Implementation of disposable blood pressure cuffs as a novel approach to reduce fomite transmission of healthcare-associated (HCA) *Clostridium difficile* infection (CDI) in a community hospital or twice implemented is once credible. **Poster** presented at: Association for Professionals in Infection Control and Epidemiology 2009 Annual Conference; June 7-11, 2009; Fort Lauderdale, FL.

Alexander ES, Fiutem C, Kralovic SM, Succop PA, Khoury JC. Implementation of disposable blood pressure cuffs as a novel approach to reduce fomite transmission of healthcare-associated (HCA) *Clostridium difficile* infection (CDI) in a community hospital or twice implemented is once credible. Am J Infect Control. 2009;37:e61-e62. (Published abstract)

Citations = 3 per Google Scholar

Alexander ES, Shann JR. Bioremedial Potential of the Legume- *Bradyrhizobium japonicum* Symbiosis. **Poster** presented at 1993 National Institute of Environmental Health Sciences Superfund Basic Research Program, Research Triangle Park, North Carolina.

Alexander ES, Shann JR. Bioremedial potential of bacteria living symbiotically in legume nodules. **Poster** presented at 1991 Annual meeting of the American Society of Agronomy, Crop Science Society of America and Soil Science Society of America, Denver, CO.

INVITED ORAL, PAPER AND POSTER PRESENTATIONS (local)

Alexander ES and Browne FR. Process Improvement Consulting teams: Creating an Undergraduate Capstone Experience. **Poster** presentation to the Xavier University Center for Teaching Excellence, Teaching as Research Celebration, September 25, 2017, Cincinnati, Ohio. (Ongoing Faculty collaboration since 2015)

Alexander ES, Martin LJ, Abonia JP, Foote H, Eby MD, Rothenberg ME. Sex of parent is associated with familial risk of eosinophilic esophagitis. **Poster** presentation at the Postdoctoral Recruitment Symposium, Cincinnati Children's Hospital Medical Center, Cincinnati OH, April 29, 2011, Cincinnati, OH.

Alexander ES, Martin LJ, Abonia JP, Foote H, Eby MD, Rothenberg ME. Sex of parent is associated with familial risk of eosinophilic esophagitis. **Poster** presentation at the Digestive Health Center Retreat, Cincinnati Children's Hospital Medical Center, Cincinnati OH, March 8, 2011, Cincinnati, OH.

Alexander ES, Jeffreys RM, Inge TH, Woo JG. Keeping the bariatric cohort together: long term study and the reduction of participation bias. **Poster** presented at University of Cincinnati College of Medicine Graduate Research Forum, November, 2010, Cincinnati, OH.

Alexander ES, Fiutem C, Thomas L. Evaluation of antiseptic coated catheters in the prevention of catheter associated urinary tract infections. **Oral and written** presentation to the Infection Control Committee Meeting of the Deaconess Hospital Medical Executive Committee, Cincinnati, OH, 2002.

FACULTY-STUDENT "LOCAL-GLOBAL" COMMUNITY-ENGAGED SERVICE LEARNING INVITED ORAL PRESENTATIONS

Nicewonger G, Brosnan E, Petrus D, Alexander PhD ES. Analysis of Weekly Produce Supply on Employee Health Status and A1c. March 30, 2023 presentation to St. Elizabeth Employee Wellness Manager, via Zoom, from Xavier University, Cincinnati OH.

Moore C, King K, Huelsman MS, LGC K, Alexander PhD ES. Students Support Population Health: Creating a Genetic Database for TriHealth Cancer Institute. Presentation at TriHealth Cancer Institute, December 2019. **(ONGOING FSR PROJECT 2017-2019)**

Driskell C, Schlich J, Huelsman MS, LGC K, Alexander PhD ES. Students Support Population Health: Creating a Genetic Database for TriHealth Cancer Institute. Presentation at TriHealth Cancer Institute, April 22, 2019. **(ONGOING FSR PROJECT 2017-2019)**

Hernandez B, McGrail M, Douds M and advisors: Anderson M, Vazquez P, **Eileen S. Alexander, PhD, MS, RN**. Patient Satisfaction Survey Management at Primary Health Solutions, December, 2018.

Bundus L, Burke B, Conkle B, Kidwell M, LeBlanc N, Mazza M, Nimitz A, Stewart M, Suresh S, Wambura C and advisors, VanSant P, Wolfe D, Koblitz J, **Eileen S. Alexander, PhD, MS, RN**. Assessing 30-day Readmission Rates of Patients with COPD at The Christ Hospital, December, 2018.

Alex Herman, Jarena McMullen, Jake Prues, Kyle Weeden, with Joanne Thurner, MA, Debbie Rose, RN and **Eileen S. Alexander, PhD, MS, RN**. A Time Study of Effective Behavioral Health Screening Processes at Primary Health Solutions, April 24, 2018.

Amelia Bedri, Nana Adwoa Boateng-Antwi, MBA, Principal Investigator, and **Eileen S. Alexander, PhD, MS, BSN, RN**, Advisor and Co-investigator. Ghanaian Hospitals' Sanitary Facilities and Global Population Health: Korle Bu Teaching Hospital Partnership for a Virtual Community Service Capstone with Health Services Administration BS-HSA Program at Xavier University at Xavier Celebration of Research, Xavier University, April 21, 2018.

Mikaela Dougherty (student), **Eileen S. Alexander PhD, MS, BSN, RN**, Karen Huelsman MS, LGC, and Courtney Rice MS, LGC (advisors). Creating an Analyzable Dataset for the TriHealth Cancer Institute at Xavier Celebration of Research, Xavier University, April 21, 2018.

Emily Lanning and **Eileen S. Alexander PhD, MS, BSN, RN** (Advisor). Acknowledgement: Dr. Frederick Browne conceived and contributed to the Stage 1 of this work. Applying Quality Improvement Strategies to Improve Student Evaluations of Critical Thinking, Organization and Clarity of Expectations in a Capstone Community Service Partnership at Xavier Celebration of Research, Xavier University, April 21, 2018.

Molly Kidwell and Emily Lanning, with Prof. **Eileen Steinle Alexander, PhD, MS, BSN, RN**. Echocardiology: Improving Patient Scheduling and Sonographer Work Environment at Cincinnati Children's Hospital Medical Center Heart Institute, April 19, 2018.

Julia Schlich and Christina Driskell, with Karen Huelsman MS, LGC; Courtney Rice MS, MBA, LGC; Megan Shearouse, MS, LGC; Prof. **Eileen S. Alexander PhD, MS, BSN, RN**. Creating Analyzable Datasets for the TriHealth Cancer Institute at TriHealth Cancer Institute, April 17, 2018.

P. Montgomery, B. Connolly, G. Coppersmith, **E. S. Alexander, S. A. Donauer, J. Pestian**. A Time Series Analysis of Suicidal Language from Social Media Data, December 7, 2017, to Cincinnati Children's Hospital Medical Center Pestian Lab for Neuropsychiatric Research, Cincinnati, OH.

Dougherty M, Huelsman K, **Alexander ES, Advisor**. Creating a Database for Patient and Family-based "Hot Gene" Identification, December 5, 2017 2017, to TriHealth Cancer Institute Genomic Work Group, Cincinnati, OH.

Schaefer L, Liu Peihua and **Alexander ES, Advisor**. Echocardiography: Improving Sonographers' Work Environment, November 30, 2017 2017, to Cincinnati Children's Hospital Medical Center Heart Institute, Cincinnati, OH.

Bedri A, Carroll C, Carter M, Hirst E, Hitchcock G, Kookoothe J, Livingston F, Windell B and Ndum EE (TA), **Alexander ES, Advisor**. Patient and Provider Engagement: The Portal at Primary Health Solutions. 2017, November 28, 2017 to Primary Health Solutions Quality Committee, Butler County, OH.

Bosse M, Hoeldke A, Martin H, Ndum E, Norris M, Oyer A, Rhodebeck J, Staunton C, Stringham L, Wagner E, with Dick D (TA), Emma Gripshover (TA) and **Alexander ES, Advisor**. Integrating Preventive Medical, Vision and Dental Care to Support Population Health in a FQHC and PCMH Network in Butler County, Ohio, April 24, 2017, to Primary Health Solutions Quality

Committee, Butler County, OH.

Ndum EE, Hoeldke A and **Alexander ES, Advisor**. Service Learning Improves Healthcare Integration Quality and Pediatric Immunization Rates for Low Income Families in Butler County, Ohio, April 24, 2017, at A Celebration of Student Research and Creativity, Xavier University, Cincinnati OH.

Monica Seitz, Dajah Siplin, Alex Wolfred (Team Leaders), Desiree Dick, Jessica Farrell, Geoff Larson, Meaghan Reilly, Abigail Robertson, Gabby Schulte, Monica Seitz, Emma Gripshover, TA, and Alexander ES, Advisor. Integrating Preventive Vision and Dental Care with Primary Care Services to Support Population Health in a FQHC and PCMH Network with New School-based Health Centers: Creating a "One Stop Shop" *a service learning partnership with* Primary Health Solutions, a federally qualified health center in Butler County, Ohio, December 6, 2016, to Primary Health Solutions Quality Committee, Butler County, OH.

Hemmerich S, Towers T and **Alexander ES, Advisor**. Service Learning Improves Healthcare Quality and Pediatric Immunization Rates for Low Income Families in Butler County, Ohio, April 17, 2016, at A Celebration of Student Research and Creativity, Xavier University, Cincinnati OH.

Brolsma C, Burton B, Duran I, Fuerst A, Fong T, Gripshover E, Hatcher P, Hemmerich S, Kerber S, Kim G, Knepler S, Minix K, Nilles K, Towers T and Alexander ES, Advisor. A Service Learning Project to Improve Healthcare Quality and Pediatric Immunization Rates for Low Income Families *in partnership with* Primary Health Solutions, a federally qualified health center in Butler County, Ohio, April 25, 2016, to Primary Health Solutions Quality Committee, Butler County, OH.

Anderson L, Burton B, Hale S, Hamblin D, Hemmerich S, Rost P and **Alexander ES, Advisor**. Applying quality management principles to improve pediatric immunization rates in partnership with a federally qualified health center in Butler County, Ohio, December 2, 2015, Primary Health Solutions Quality Committee, Butler County, OH.

Burdsall A, Dardinger A, Hill B, Jimenez S, and **Alexander ES, Advisor**. Applying quality management principles to improve cervical cancer screening rates in partnership with a federally qualified health center in Butler County, Ohio, April 27, 2015, Primary Health Solutions, Butler County, OH.

Abunku F, Berland C, Malecha P, Park R, and **Alexander ES, Advisor**. Applying quality management principles to improve colorectal cancer screening rates in partnership with a federally qualified health center in Butler County, Ohio, April 27, 2015, Primary Health Solutions, Butler County, OH.

Haller R, Henkel A, Killeen R, Whelton N, and **Alexander ES, Advisor**. Applying quality management principles to improve colorectal cancer screening rates in partnership with a federally qualified health center in Butler County, Ohio, April 27, 2015, Primary Health Solutions, Butler County, OH.

**FACULTY-STUDENT “LOCAL-GLOBAL” COMMUNITY-ENGAGED SERVICE LEARNING
(PRESENTATIONS CANCELLED DUE TO COVID-19)**

Moore C, King K, Huelsman MS, LGC K, Alexander PhD ES. Students Support Population Health: Creating a Genetic Database for TriHealth Cancer Institute. Presentation at TriHealth Cancer Institute, April 2020. **(ONGOING FSR PROJECT SINCE 2017)**

2024 IHI Club Volunteers at Rowe Arboretum Earth Day <https://indianhill.gov/wp-content/uploads/2024/06/Bulletin-06-26-24.pdf>

2024 LinkedIn comments from **student Lauren Brown**:

MHSA Candidate at Xavier University | Healthcare Strategic Planner

Eileen Steinle Alexander Thank you very much for your support! I am truly grateful for the time and effort you have invested in me. Your insights, feedback, and guidance has helped me grow both intellectually and personally. I enjoyed meeting you in person as well!

https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A7178840518380916736/?commentUrn=urn%3Ali%3Acomment%3A%28ugcPost%3A7178840517512712192%2C7180315975324430337%29&dashCommentUrn=urn%3Ali%3Afsd%5Fcomment%3A%287180315975324430337%2Curn%3Ali%3AUGCPost%3A7178840517512712192%29&replyUrn=urn%3Ali%3Acomment%3A%28ugcPost%3A7178840517512712192%2C7180412936182484992%29&dashReplyUrn=urn%3Ali%3Afsd%5Fcomment%3A%287180412936182484992%2Curn%3Ali%3AUGCPost%3A7178840517512712192%29&midToken=AQGU2LPobMslPg&midSig=18Q6mF7LGKnHc1&trk=eml-email_notification_single_replied_to_your_comment_01-hero_notification_cta-0-1ep-cta&trkEmail=eml-email_notification_single_replied_to_your_comment_01-hero_notification_cta-0-1ep-cta-null-28c6xv-lugf6u13-36-null-null&eid=28c6xv-lugf6u13-36

2022 AUPHA Undergraduate Certification Standards Review and Revision Process, Member Feedback Survey, and Town Hall Recording: to view the [Town Hall recording](#), you will need to be logged in as a member. **Alexander ES**, presenter for the AUPHA Undergraduate Program Committee Certification Criteria Review and Revision Towne Hall, specifically, the Program Evaluation and Improvement (Criteria 26-28), October 27, 2022, interactive webinar.

2022 Dr. Marc Rothenberg MD, PhD, CCHMC Ghory Lecture in Allergy & Immunology “Journey to the First FDA-approved Drug for Eosinophilic Esophagitis” re: 20 year path from recognizing EoE, a serious food allergy previously confused with reflux, to treatment with Dupixent (dupilumab)

Minute 57: summary timeline, note that success also required initial diagnostic coding for EoE, coding for reimbursement of services, & finally treatment; data available for secondary analyses

www.EGIDExpress.research.cchmc.org

Minute 23 Epidemiology & the impact of screening

Minute 29 Placebo effect

Minute 30 Example of causality Bradford-Hill Criteria (exposure = disease; removal = not affected; re-exposure = disease)

Slides referring to my work:

Minute 31:45-33:30 Slides referring to my twin studies in Sibling Heritability (Alexander, et al. JACI, 2014)

Minute 38:45 IL-13 (Blanchard, et al, JACI, 2011)

<https://cchmcstream.cchmc.org/MediasiteEX/Play/3752e5dc5d3946419b1a738877d77b641d>

Ethics in the COVID19 Era (**Eileen Alexander**, Xavier University) at the Association of University Programs in Health Administration, Ethics Faculty Forum, July 23, 2020, webinar, USA. (**International**)

<https://www.aupha.org/educationevents/educationeventsam2020recordingsmain/facultyforumrecordings>

<https://www.aupha.org/educationevents/educationeventsam2020recordingsmain>

Summit Country Day Alumni Class Notes

Dr. Eileen (Steinle) Alexander '76 was promoted to Associate Professor with tenure in March 2020. "Dr. A" teaches epidemiology, quality management, ethics and global health systems in the Department of Health Services Administration. Xavier is one of a select few universities offering MS-HECOR in health analytics & accredited BS-HSA and MHSA programs. The tenure recognition ceremony was conducted outdoors by XU President Fr. Michael Graham and Provost Dr. Melissa Bauman at Xavier University's

Our Lady of Peace Chapel.

<https://www.summitcds.org/about/news/news-stories/~board/news/post/?bblinkid=252353665&bbemailid=32286176&bbejrid=2017736493>

Covid Era Celebration of Tenure & Awards

<https://www.cincinnati.com/story/news/2020/10/07/xavier-university-covid-19-coronavirus-pandemic-quarantine-hybrid-learning/3570736001/>

OneSight (Luxottica) Thanks go out to these great BSHSA students, OneSight, the Fresh Air Fund Camps, campers, & the Xavier Women of Excellence! Grace Riley '21 & Ally Vavul Dec. '19 wrote parts of this story for their HESA 372 Community Service Learning Final Reflection. Our OneSight mission trips were funded by the Xavier Women of Excellence for two years (extended due to COVID19). When it is safe to do so, we hope to continue community service activities in local schools & the OneSight/FAF camps that serve NYC children.

<https://onesight.org/news/teaching-students-about-the-vision-care-gap-in-out-of-the-classroom-dr-eileen-alexander/>

Xavier Social Media: Dr. Lakshmi Kode Sammarco MD, Hamilton County Coroner and Dr. Eileen Alexander in Health Services Administration teamed up to assist Xavier's chapter of the Institute for Healthcare Improvement Club and Student Government Association to host an event exploring the opioid epidemic. <https://www.xavier.edu/now/2020/opioid-one>

Eigel Center for Community-engaged Learning Faculty Scholars & Student Fellows

https://www.xavier.edu/community-engaged-learning/community-engaged-learning/ommunity_engaged_scholarss

Indian Hill Bulletin Resident in the Spotlight p. 11 <http://www.ihill.org/asp/data/bulletins/9-4-19.pdf>

Sloat F. Academic Partnerships: Saving Lives with Genetic Testing. Xavier Communitas magazine, Fall, 2018. Re: Community Service-learning in HESA 380-372-498.

<https://www.xavier.edu/now/2018/communitas-fall-2018/genetic-testing.php>

Also [featured on TriHealth Twitter feed](#)

Xavier Center for Mission & Identity. Online resources. Ethics videos by Dr A

<https://www.xavier.edu/jesuitresource/online-resources/Health-Service-Administration.cfm>

Zimmerman J I. The Big Dig. Xavier Magazine, Nov.2, 2015. re: new HECOR and Customer Analytics MS programs. <http://xtra.xavier.edu/xavier-magazine/big-dig/>

Cincinnati Enquirer May 8, 2016 Is there a statistical analyst in the house?

Indian Hill Bulletin Resident in the Spotlight p.10 <http://www.ci.indian-hill.oh.us/asp/data/bulletins/3-2-16.pdf>

Cincinnati Business Courier June 30, 2015 Xavier partner Primary Health Solutions

http://www.bizjournals.com/cincinnati/news/2015/06/30/multimillion-dollar-health-clinics-will-create.html?ana=e_cinci_hc&s=newsletter&ed=2015-06-30&u=pae+b1BQZtCaU5ZW4LGZnw0c54aecb&t=1435718833

Cincinnati Business Courier June 17, 2015 Xavier partner CTI

<http://www.bizjournals.com/cincinnati/news/2015/06/17/health-care-firm-helps-xavier-create-master-s.html>

<https://www.businesswire.com/news/home/20150618006215/en/CTI-Clinical-Trial-Consulting-Services-Partners-Xavier#.VcO1XvIVhBc>

CTI <https://www.ctifacts.com/news-events/2015/june/cti-partners-with-xavier-university-on-new-masters-degree-program.aspx>

BSHSA News <https://www.xavier.edu/health-services-administration-program/documents/1BSHSANews-Final.pdf>

YouTube for Cincinnati Children's Center for Eosinophilic Disorders:

<http://www.youtube.com/watch?v=co54LRBediQ>

You Tube for University of Cincinnati College of Medicine Graduate Studies Recruitment:

<http://www.youtube.com/watch?v=bYymON6QfwA#!>

http://www.eurekaalert.org/pub_releases/2014-09/cchm-epb092214.php CCHMC press release

<http://healthnews.uc.edu/news/?/24936/> UC Press Release

<http://healthnews.uc.edu/news/?/24957/> 2014 UC College of Medicine EH graduates & faculty

<http://www.ci.indian-hill.oh.us/asp/data/bulletins/9-3-13%20take%202.pdf> Woodside, Dinsmore & Shohl Fellowship press release p. 12

<http://healthnews.uc.edu/publications/deanslist/?/22747/> Fellowship press release

<http://healthnews.uc.edu/publications/deanslist/?/23929/> Lecture & Seminar news

BIO:

Dr. Eileen Steinle Alexander is an Associate Professor in Health Services Administration at Xavier University in Cincinnati, Ohio, U.S.A. She has dedicated her career to demonstrating the value of collaborative team processes & quality improvement, driven by data, regional need and educational excellence. She teaches Epidemiology, Quality Management, Global & U.S. Health Systems, and Health Ethics & Law, primarily to Executive MHA students, with excellent student evaluations. She started the MS-Health Economics & Clinical Outcomes Research program in 2015 and served as its first Director. She has supported BSHSA certification and MHA accreditation.

Prior to doctoral study, Dr. Alexander had a successful career as a practitioner in Quality & Risk Management, hospital epidemiology, infection prevention (APIC CIC) and surgical education, while guiding her hospital through 4 successful TJC IC inspections. During doctoral studies at the UC College of Medicine, she received an NIH-T32 Trainee grant in molecular (genetic) epidemiology of children's environmental health to study families at risk for diseases caused by shared environment & genetics.

She partners locally and globally to support health improvement. Over 80 undergraduate Xavier students have completed her Community Service Learning (CSL) courses, many representing Xavier locally, regionally and nationally as "women and men for others." In 2019, Dr. A was awarded the prestigious Xavier University Research Mentor of the Year Award. Prior awards include numerous grants, as well as the Young Investigator award from the International Eosinophil Society. In 2022, she was awarded the Ignatian Educator of Distinction.

Dr. Alexander's publications include twin and family risk modeling for eosinophilic esophagitis (EoE), pathology scale development, population stratification bias, systematic review, artificial intelligence systems, community service-learning and diversity recruitment. During her NIH Fellowship, she was fortunate to be part of the Rothenberg Lab team at Cincinnati Children's who worked through the long-term process to establish coding for EoE clinical need, basic science evidence e.g., IL-13, through approval-reimbursement & adoption of pharmaceuticals such as dupilumab (Dupixent) <https://www.fda.gov/news-events/press-announcements/fda-approves-first-treatment-eosinophilic-esophagitis-chronic-immune-disorder>

<https://www.facebook.com/RothenbergEosinophilicLab/videos/517750630055255>

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