**Karim H. Hanna, MD, FAAFP, FAMIA**

University of South Florida, Morsani College of Medicine, Tampa, Florida

Department of Family Medicine

**Address**

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**Citizenship**

United States of America & Egypt (birthplace)

**Education**

2021 Data Science for Healthcare Providers, Certificate

 University of South Florida Muma College of Business. Tampa, Florida.

2010 - 2014 Doctor of Medicine

 University of South Florida College of Medicine. Tampa, Florida.

2007 - 2010 Bachelor of Science, Bio-Medical Sciences, Cum Laude.

 University of South Florida. Tampa, Florida

2008 Summer Medical & Dental Education Program,

Duke University School of Medicine, Durham, North Carolina

**Postgraduate Training**

2023 Board Certified in Clinical Informatics, ABPM

2021 - 2022 Society of Teachers of Family Medicine: Emerging Leaders Fellowship

2020 - 2021 Society of Teachers of Family Medicine: New Faculty Scholars

2018 - 2019 University of North Carolina: Faculty Development Fellowship,

Chapel Hill, North Carolina

2014 - 2017 West Kendall Baptist Hospital Family Medicine Residency.

Miami, Florida

2017 - 2027 Diplomate, Board Certified, American Board of Family Medicine

**Certifications**

2024 Degree of Fellow, American Medical Informatics Association

2022 Degree of Fellow, American Academy of Family Physicians

2019 National Science Foundation - USF I-Corps Fellowship

2019 Virginia Mason Lean Training - **Optimizing Flow in the Ambulatory Setting**

2019 Basic Life Support, American Heart Association

2018 Special Olympics MedFest Clinical Director

2018 Florida State Department of Health: Physician Opioid Addiction Treatment License

2017 Advanced Cardiac Life Support, American Heart Association

2017 Advanced Life Support in Obstetrics

**Appointments**

2023 – Present Associate Professor, University of South Florida, Morsani College of Medicine

Department of Family Medicine

2024 – Present Associate Professor, University of South Florida, Taneja College of Pharmacy, Department of Pharmacotherapeutics and Clinical Research, Volunteer Faculty

September 2022 Chief, Department of Family Medicine, Tampa General Hospital

August 2022 Inaugural Program Director for USF TGH Family Medicine Residency

March 2022 Interim Program Director for USF TGH Family Medicine Residency

2019 - 2024 Assistant Professor, University of South Florida, Taneja College of Pharmacy

2017 - 2023 Assistant Professor, University of South Florida, Morsani College of Medicine

Department of Family Medicine

2017 - Present Family Physician, USF Physician's Group, University of South Florida, Tampa, Florida

2017 - Present Medical Staff Physician, Department of Family Practice, Tampa General Hospital,

Tampa, Florida, Active Status

2018 - Present Medical Staff Physician, Advent Health Tampa, Tampa, Florida, Active Status

2016 - 2017 Chief Resident. West Kendall Baptist Hospital Family Medicine Residency.

**Teaching Activity**

2022 USF TGH Family Medicine Residency: Founding Program Director

**Course Participation**

2024 Introduction to Clerkships: Newborn exam teaching

2023 Developed Faculty Development Curriculum for FMR Program

 Lectures given:

* Growth Mindset and Feedback
* Constructivism
* Efficient Clinical Teaching – 3-part series

2022 – Present **DME Snapshots -** USF Morsani College of Medicine Department of Medical Education presents a series of Snapshots that briefly describe high yield topics for faculty development

2019 – 2024 Course Director, **Family Medicine Track EPA Course**– Transition to residency. Prepping Family Medicine graduates for internship through their 4th year.

 Workshops include:

* Lifestyle Medicine
* DM, HTN, HLD
* Mental Health
* Several Innovative workshops developed/taught:
	+ Discharge Planning Workshop [Video](https://www.youtube.com/watch?v=5ljqD_L7pSg)

2022 – 2023 Assistant Clerkship Director for **Primary Care Clerkship**

2020 – 2022 Course Director, **Primary Care Clerkship**

2019 – 2020 Assistant Clerkship Director for **Primary Care Clerkship**

2017 – 2021 **Medical Sciences (Course) 6**: CPR (Cardio-Pulm-Renal) Pathophysiology

 Co-Director and Clinical Liaison

 Lectures Given:

* Nutrition Case Correlations
* COPD + Asthma Case Correlations
* Pulmonary Case Correlations
* Urinary Tract Infections Case Correlations

Fall 2021 **Bystander Intervention** – Course Director. USF Honors College Undergrad elective. We created an ethics course to prepare undergraduate students for hypothetical ethical dilemmas in difficult clinical scenarios that take place in everyday life. I handled the course/curricular design while simultaneously mentoring second/third/fourth year medical students to help teach the course.

2019, 2021 **Professions of Health** - Assisted in teaching course for introduction to medical school

2019-2020 **CCPX** - Reviewing student standardized patient encounters for 3rd year medical students in preparation for Step 2 CS

2018 – 2021 **GMS 6004 Introduction to Medical Science** – Teaching clinical correlation lectures

 Lectures Given:

* Gout Clinical Correlation
* Diabetic Keto Acidosis Clinical Correlation
* Congestive Heart Failure Clinical Correlation

2017 – Present **Family Medicine Clinics Elective** – Precepting 3rd and 4th year students, preparing them for a possible internship in Family Medicine

2017 – Present **Primary Care Clerkship** Serve also as a clinic preceptor, giving didactic lectures, and designing clinical exams

 Lectures Given:

* What is primary care?
* Men’s Health Cases
* Metabolic Syndrome
* Pediatric development
* Depression and Anxiety

2017 – 2018 **Doctoring III** –Small group teaching, coaching, and evaluating students in their clinical cases throughout their third year of medical school. Work with students on advanced communications skills and observe them and provide feedback in clinical simulation settings.

2017 – 2018 **Evidence Based Clinical Reasoning** – Coaching and mentoring 2nd year students towards clinical decision making and development of evidence-based practice

2017 – 2023 **Family Medicine Teaching Rotation for Residents** – Precept residents in teaching medical students.

2017 – 2019 **Public Sector Medicine Program** – Precept volunteer students seeing indigent patients at the Judeo-Christian Health Clinic, at Tampa Bay Street Medicine clinics

2018 – Present **Project World Health** Trip to Dominican Republic –Advisory board. I accompanied over 70 interprofessional students including first, second, third, and fourth year medical and pharmacy students, residents and other attendings on a 6-day health mission to Jarabacoa, Dominican Republic. Responsibilities included mentoring, precepting, and translating, while seeing patients in various clinics. Over 1500 patients were seen during the trip. Planning continues year-round and I am often involved in discussion, funding and planning the trips details.

2017 - Present **BRIDGE Clinic** –Volunteer to teach the knowledge, skills and attitudes that are needed to direct a multidisciplinary healthcare clinic for the uninsured.  It was developed and started in 2011.

2017 – 2021 **Ybor Youth Clinic** – Volunteer to teach the knowledge, skills and attitudes that are needed to direct a multidisciplinary healthcare clinic for at risk teens and young adults. Through the department of pediatrics. Teach and precept medical students and residents.

2017 – Present Scholarly Concentration, **Health Disparities** – Mentor to students and assist with projects

2017 – Present Scholarly Concentration, **Medical education** – Mentor to students and assist with projects

2017 – Present Scholarly Concentration, **International Medicine** – Mentor to students and assist with projects

2017 – 2020 **TIPS Capstone** – 4th year medical student course for preparation for internship. Helped develop and teach courses on Opioid use/addiction medicine, and clinical handoffs

Lectures Given:

* Everything we need to know about Opioids
* The Withdrawing Patient
* Essentials of the ECG

2017 – 2023 **Honors College** - Undergraduate Thesis Advisor.Advising and mentoring several undergraduate students in their Honors College thesis requirement, taking some through to publication

**Lectures by Invitation**

December 2024 AI and the Future of Medical Education – USF Family Medicine Grand Rounds

December 2024 Medical Technology Panel Discussion with Q&A – FAFP Family Medicine Winter Summit 2024. CME.

December 2024 Introduction to Artificial Intelligence (AI) in Primary Care – FAFP Family Medicine Winter Summit 2024. CME.

August 2024 Ohio University Faculty Development - AI and the Future of Medical Education

August 2024 AI in Flux: Implementation for Emerging Leaders in Family Medicine. STFM Emerging Leaders Fellowship.

July 2024 HWCOM FIU Family Medicine Rounds

July 2024 Bridge2AI Summer School – Discussed the Road to Informatics

June 2024 Jefferson University Family Medicine Grand Rounds - AI and the Future of Medical Education

June 2024 SGEA Faculty Development SIG AI and the Future of Medical Education

June 2024 UNC Faculty Development Fellowship + AHEC Conferences “Asking the right questions” – Speaking on Generative AI and the Future of Medical Education

April 2024 University of Florida College of Medicine Faculty Development Session: AI and the Future of Medical Education

April 2024 AI and the future of Medical Education – Grand Rounds, USF Department of OBGYN

April 2024 FAU College of Medicine Invited to Speak on What is Informatics? AI in MedEducation

March 2024 Honors College Expert Speaker: Career insights to honors pre-med students.

March 2024 LVHN Faculty Development – AI in Faculty Development – 2.5 hour workshop

February 2024 Diastole: Non-Clinical Roles @ TGH 1st Annual Hospital Medicine Conference

February 2024 Implementing AI Int o Medical Education – Given to MCOM Select Program Faculty

February 2024 Back to the Future: Integrating Artificial Intelligence into Family Medicine Residency Training. AAFP On Demand. With Bryan Hodge, DO and William Gillanders, MD

December 2023 USF Morton Plant Mease Residency Faculty Development session on AI in GME

November 2023 American Academy of Pediatrics to speak on AI and the Future of Medical Education

October 2023 TGH Schwartz Rounds: Psychological Safety – how an error impacts you.

October 2023 AI in Healthcare: Unraveling the Future of Medicine @ Virginia Commonwealth University School of Medicine, Faculty Development

October 2023 My Journey to Medicine, At COPH HSC 2000 Intro to Health Professions

July 2023 Lecture given at FAFP Summer Meeting CME. Anxiety: a fresh look.

February 2023 Lecture given for AAFP ON DEMAND on mental health topics. Anxiety: a fresh look.

November 2022 My Journey to Medicine, At COPH HSC 2000 Intro to Health Professions

August 2022 Resident as Teacher. Panel presentation for USF Morton Plant Mease FMR

June 2022 The 1-Minute Preceptor – USF DME Faculty Development Snapshots

June 2022 Bedside Teaching – USF DME Faculty Development Snapshots

May 2022 (Local) USF MCOM C/O 2022 Commencement - Faculty Charge Speech

December 2021 Adolescent Substance Use - Florida Academy of Family Physicians Winter Summitt

November 2021 COVID health informatics discussion, data model for predicting severe disease – to Florida Blue data science physicians.

October 2021 Public Health Interest Group – COVID Q&A – Public Forum

September 2021 STFM Emerging Leaders Fellowship: Negotiating with Swagger

May 2021 (Local) USF MCOM C/O 2021 Commencement - Faculty Charge Speech

March 2021 (National) Lehigh Valley Network, Family Medicine Residency Faculty Development: Tips for Online Teaching

Jan 2021 (Regional) Florida Association of Family Physicians Chief Resident Conference. Time is Ticking! Efficient Clinical Teaching.

October 2020 (Local) USF/HCA GME Consortium. Clinical Educator Learning Series (2020-2021): Time is Ticking! Tips for Efficient Clinical Teaching

July 2020 (Local) USF Technology Transfer Office: Wellness when you least expect it

April 2020 (Local) USF MCOM C/O 2020 Commencement - Faculty Charge Speech

March 2020 (Local) Why Primary Care? Interviewed on USF Health Minute. Dispersed live via social media

Jul 2019 (International) Egypt Eye School – King Mariout, Egypt. “Teach to Grow” Faculty Development Workshop

May 2019 (International)Diocese of Mississauga, Vancouver and Western Canada. Seeing Myself in the Big

Picture – Calgary, Canada. Middle and High School Student Convention on Self-Worth

Sept 2018(International)Egypt Eye School – King Mariout, Egypt. “Courage to Teach” Faculty Development

Workshop

August 2018 (Local) USF White Coat Ceremony – Keynote Speaker on Humanism in Medicine

June 2018 (Regional) West Kendall Baptist Family Medicine Program - 2018 Residency Graduation Keynote Speaker

May 2018 (Regional) Hillsborough High School International Baccalaureate Banquet Keynote Speaker

**Other Teaching Activities**

2023 Initiated Monthly Departmental Grand Rounds

2023 Initiated Faculty Development lecture series for our department that take place twice a month

2022 - Present Interim Program Director for USF TGH Family Medicine Residency – Building up new residency program from the ground up

Faculty Development Lectures

2021 – Present USF Dept Of Family Medicine, Monthly Education Meetings for Faculty. Efficient Clinical Teaching

June 2020 SGEA Faculty Development SIG Journal Club - Facilitator

“Pairing teaching and learning styles”

2020 – 2021 Weekly Journal Club to Residents and Students “CoCo” (Covid Confirmed) Clinic

**New Courses Developed**

2021 USF Honors College - Bystander Intervention

2018 – Present Family Medicine Track EPA (Entrustable Professional Activities) – Transition to Residency

2019 – Present Family Medicine Hospitalist Elective for 4th year Students

**Innovations**

2023 Participated in XPC Hackathon

2023 Consulting advisor for Confido Health

2023 Clinical advisor for Chronious

2023 Consulting advisor for DermaSensor

2022 MDisrupt: Startup advisor for online fertility platform

2022 Bedside Chats: Startup Advisory Board

2022 Primary Care Clerkship - revised cases for CPX Examination

 - Laura Graves

2019 - 2021 Course 6 – Weaving clinical cases: developed small group cases and questions for students to ‘follow’ their case development throughout the 3 sections of the cardio – pulm – renal course. These will be turned to simulations in this coming year

2021 Primary Care Clerkship - revised cases for CPX Examination

- Tula Brown

- Ashley Barber

2018 – 2021 Chief Executive Officer and Co-Founder of FeedForwardTM – application-based tracking system for student feedback and education. Created and presented on a new, on-demand evaluation system for tracking learning.

2019 National Science Foundation - USF I-Corps Fellowship – Startup Bootcamp

2019 – Present USF Global Health Fellowship – in joint efforts with representatives from pediatrics and internal medicine, started laying groundwork for USF’s permanent presence abroad in Peru and Sierra Leon for clinical care and teaching

2018 – Present Inpatient Family Medicine service at Advent Health (Florida Hospital), Tampa – Started an inpatient service for all USF Health patients that are admitted to Advent Health Tampa in collaboration with VP Health. Created an inpatient presence for continuity of care for USF primary care patients. Now 6 FM providers involved in the coverage rotation of the service and looking to expand to TGH.

2018 – Present Starting Family Medicine Opiate Use Disorder clinic. Treating patients with OUD with suboxone.

**Awards**

**Academic**

2024**Henry Osler Award**: MCOM Graduating Class of 2024 votes and selects one faculty member as their collective clinician role model

2023 Recognized by MCOM C/O 2023 at their graduation for the John T. Sinnott, MD

Outstanding Clinical Teaching Award

2022 Member Spotlight FAFP Magazine, September Edition

2022 Florida Academy of Family Physicians Full-Time Educator Award – Awarded at Amelia Island FAFP Conference

2022 **Alpha Omega Alpha Honor Society**: Inducted to the USF Morsani College of Medicine Gamma Florida Chapter in the Faculty category. Selection as a faculty is a means of recognizing and honoring those individuals who have distinguished themselves in their career.

2022 **Henry Osler Award**: MCOM Graduating Class of 2022 votes and selects one faculty member as their collective clinician role model

2022 Chosen by MCOM C/O 2022 for **Commencement Faculty Charge** & for hooding at graduation

2022 University of South Florida Outstanding Young Alumni Award. Given to USF alumni who continue to make an impact on the community with their accomplishments.

2020 Society of Teachers of Family Medicine Foundation: Emerging Leaders Fellowship

2021 Outstanding Pre-Clinical Science Course: Medical Sciences 6. C/o 2021 – **Co-Director**

2021 **Attending of the Year** - BRIDGE Clinic

2021 **Henry Osler Award**: MCOM Graduating Class of 2021 votes and selects one faculty member as their collective clinician role model

2021 Chosen by MCOM C/O 2021 for **Commencement Faculty Charge**

2020 Chosen by MCOM C/O 2020 for **Commencement Faculty Charge**

2020 Outstanding Pre-Clinical Science Course: Medical Sciences 6. C/o 2020 – **Co-Director**

2020 **Attending of the Year** - BRIDGE Clinic

2020 Accepted to the FAFP 2020 Leadership Academy (postponed due to COVID)

2020 STFM Medical Student Education Conference – Special Recognition Award at poster presentation

2020 Society of Teachers of Family Medicine Foundation: **New Faculty Scholar Award**

1. 2018 Inducted into the Gold Humanism Honor’s Society

**Clinical**

2024 Healthcare Hero Award, Department of Family Medicine and Division of Primary Care Sports Medicine for the 2nd quarter (April-June) of 2024

2024 Tampa Magazine’s Top Doctors List 2024

1. 2024 5-star rating with Cigna Medicare Advantage for 2023
2. 2023 Everyday Quality Champion - Patient Experience Award – Dean Lockwood’s Event 2/2/2024

2023 Cigna Top Provider Award 2022

2023 Tampa Magazine’s Top Doctors List 2023

2022 Tampa Magazine’s Top Doctors List 2022

1. 2021 Everyday Quality Champion - Patient Experience Award – Dean Lockwood’s Event 1/21/22
2. 2020 Everyday Quality Champion - Patient Experience Award – Dean Lockwood’s Online Event 1/15/21

2020 Tampa Magazine’s Top doctors List 2020

1. 2019 Everyday Quality Champion - Patient Experience Award – Dean Lockwood’s Event 1/10/20
2. 2019 First USF WellMed 5-Star Provider – 7/25/19
3. 2018 Everyday Quality Champion - Patient Experience Award – Dean Lockwood’s Event 1/18/19
4. 2018 “Top Performer” FY 17-18 – Patient Satisfaction Award

Primary Care Quality Retreat - Armature works 8/25/18

# Scholarly Activity

**Grants and Contracts**

|  |  |
| --- | --- |
| Agency | Abbott Diabetes Care |
| I.D.# | Medical Education Grant |
| Title | “Expanding knowledge of CGM in an interdisciplinary family medicine department” |
| P.I. | Kevin Cowart, PharmD, MPHCo-I: Karim Hanna, MD |
| Percent Effort | N/A |
| Total costs  | $5,904 (cost for medical device support) |
| Project period | 2/2024-8/2024 |

1. Agency: AHRQ

Title: LabGenie

PI: Zhe He (contact) / Mia Lustria. FSU

Costs: $1,014,336

Award number 1R21HS029969-01

Award period: 4/1/2024 – 3/31/2029

Role: Consultant 1%

1. Agency: NIH/Common Fund

I.D.# OT2-0D32720-02

Title: “Voice as a Biomarker of health”

P.I.: Yael Bensoussan, MD

Total costs for project period:  $5,302,032

Project period: 09/01/2023-09/01/2024

 Role: Collaborator 2.5%

1. Agency: 2023 ACCP Ambulatory Care PRN Seed Grant

Title: Prevalence of Statin use for Cardiovascular Risk Reduction in Cancer Survivors and Primary Care Physician Perspectives

PI: Dr. Raechel White

Costs:

Project Period:

Role: Collaborator

1. Agency: FSU Institute for Successful Longevity

Title: Towards an AI-Assisted Application for Lab Result Comprehension for Older Adults with Multiple Chronic Conditions

PI: Zhe He, Ph.D.

Total Costs: $25,000

Project period: May 2022–May 2023

Role: Collaborator

1. Agency: Patient Centered Outcomes Research Institute (PCORI)

Title: Primary care patients with trauma history: Expanding a “Safety” research partnership and network

PI: Amber Gum, Ph.D.

Total Costs: $250,000

Project period: 2020-2021

Role: Advisor

1. Agency: Patient Centered Outcomes Research Institute (PCORI)

Title: Stakeholder input regarding telehealth in primary care to address COVID-19 short-term and longer-term trauma

PI: Amber Gum, Ph.D.

Total Costs: $130,000

Project period: 2020-2021

Role: Advisor

1. Agency: Moffitt Cancer Center

Title: Anna Valentine-Charles Oehler Award for your project entitled, “Optimizing cancer screening for safety-net, primary care practices”

PI: Karim Hanna & Kea Turner

Total Costs: $80,000

Project period: 2019-2021

1. Agency: National Science Foundation

Title: I-Corps USF Bootcamp - FeedForward

PI: Karim Hanna

Total Costs: $3,000

Project period: 2019-2020

**Other Funding**

1. January 2024 - Residency GME academic project funding - STFM curriculum - $1,200

**Books**

1. Preparing for Departure: Reflections on End-of-Life Care through a Christian Lens*.* *In editing with publisher.*

**Book Chapters**

1. Rieg, Jessica Dominguez, **Hanna, Karim**. Chapter 13: Gastrointestinal Tract. Springer Publishing. Advanced Physiology and Pathophysiology, Second Edition. ISBN 978-0-8261-6755-2DOI:10.1891/9780826167545.0013.

**Peer-Reviewed Articles**

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| --- |
|  |

1. *Julia Jenkins, MD,* ***Karim Hanna, MD.*** *Transforming Primary Care: Case-Based Lifestyle Medicine Workshop for 4th Year Medical Students Pursuing Family Medicine Careers. Abstract in American Journal of Lifestyle Medicine (AJLM) in early 2025*.
2. Nguyen OT, Merlo LJ, Turner K, Hong Y-R, Alishahi Tabriz A, **Hanna K**, Meese KA. Mental healthcare utilization among U.S. healthcare workers during the COVID-19 pandemic: Evidence from 2020-2021 National Health Interview Survey. *Journal of Healthcare Management*.
3. *Xiaoyu Wang and Haoyong Ouyang and Balu Bhasuran and Xiao Luo and* ***Karim Hanna*** *and Mia Liza A. Lustria and Zhe He. Lab-AI -- Retrieval-Augmented Language Model for Personalized Lab Test Interpretation in Clinical Medicine.* [*https://doi.org/10.48550/arXiv.2409.18986*](https://doi.org/10.48550/arXiv.2409.18986)*. Submitted to AMIA 2025 Summit*
4. Oliver T. Nguyen, MSHI; Avaneesh R. Kunta, BS; SriVarsha Katoju, BS; Sara Gheytasvand, MD; Niloofar Masoumi, PharmD; Ronia Tavasolian, MPH; Amir Alishahi Tabriz, MD, PhD, MPH; Young-Rock Hong, PhD, MPH; **Karim Hanna, MD**; Randa Perkins, MD, MBA; Arpan Parekh, BA; Kea Turner, PhD, MPH, MA. Electronic Health Record Nudges and Health Care Quality and Outcomes in Primary Care: A Systematic Review. *JAMA Netw Open.* 2024;7(9):e2432760. doi:10.1001/jamanetworkopen.2024.32760
5. Kattih M, Bressler M, Smith L, Schinelli A, Mhaskar R, **Hanna K.** Artificial Intelligence-Prompted Explanations of Common Primary Care Diagnoses. PRiMER. 2024;8:51. <https://doi.org/10.22454/PRiMER.2024.916089>
6. *Smith LR, Hanna RE, Hatch LA,* ***Hanna K****. Computer Vision meets Large Language Models: Performance of ChatGPT 4.0 on Dermatology Boards-Style Practice Questions. Accepted for publication in SKIN: The Journal of Cutaneous Medicine. July 2024.*
7. Hanna RE, Smith L, Mhaskar R, **Hanna K.** Performance of Language Models on the Family Medicine In-Training Exam. [published August 12, 2024]. Fam Med. <https://doi.org/10.22454/FamMed.2024.233738>.
8. Nguyen OT, Kunta AR, Katoju S, Gheytasvand S, Masoumi N, Tavasolian R, Alishahi Tabriz A, Hong Y-R, **Hanna K,** Perkins R, Parekh A, Turner K. (In press). Electronic health record nudges on healthcare quality and outcomes in primary care: A systematic review. Journal of the American Medical Association Network Open.
9. He Z, Bhasuran B, Jin Q, Tian S, **Hanna K**, Shavor C, Arguello LG, Murray P, Lu Z
Quality of Answers of Generative Large Language Models Versus Peer Users for Interpreting Laboratory Test Results for Lay Patients: Evaluation Study. J Med Internet Res 2024;26:e56655. doi: [10.2196/56655](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdoi.org%2F10.2196%2F56655&data=05%7C02%7Ckhanna%40usf.edu%7C5544bb7735a0445db5c108dc5eea2d58%7C741bf7dee2e546df8d6782607df9deaa%7C0%7C0%7C638489607105509168%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=Z9KQPOJ3pC2dHYnAKkFS2SCZqLaDe7VDISQeKSJXdhs%3D&reserved=0)
10. Wenshan Han, Balu Bhasuran, Victorine Muse, Soren Brunak, Lifeng Lin, **Karim Hanna**, Yu Huan, Jiang Bian, Zhe He. Assessing the Seasonality of Lab Tests Among Patients with Alzheimer's Disease and Related Dementias in OneFlorida Data Trust. medRxiv 2024.03.18.24304494; doi: <https://doi.org/10.1101/2024.03.18.24304494>

Awarded the third place at AMIA Annual Conference 2024 KDDM Innovation Award.

1. **Hanna, K**., Chartash, D., Liaw, W., Shah, N., Archer, D., Parente, D., Waldren, S., Altman, W. Family Medicine Must Prepare for Artificial Intelligence. *Accepted* to Journal of American Board of Family Medicine. February 2024.
2. He, Z., Bhasuran, B., Jin, Q., Tian, S., **Hanna, K.**, Shavor, C., ... & Lu, Z. (2024). Quality of Answers of Generative Large Language Models vs Peer Patients for Interpreting Lab Test Results for Lay Patients: Evaluation Study. arXiv preprint arXiv:2402.01693
3. Miguel Tepedino; David Baltazar; **Karim Hanna**; Alina Bridges; Laurent Billot; Nathalie C. Zeitouni. Use of Elastic Scattering Spectroscopy on Patient-Selected Lesions that are Concerning for Skin Cancer. *Accepted to Journal of American Board of Family Medicine. January 2024.*
4. Qizhang Feng, Jiayi Yuan, Forhan Bin Emdad, **Karim Hanna**, Xia Hu, Zhe He. Can Attention Be Used to Explain EHR-Based Mortality Prediction Tasks: A Case Study on Hemorrhagic Stroke. ACM Digital Library. October 2023. [doi.org/10.48550/arXiv.2308.05110](https://doi.org/10.48550/arXiv.2308.05110)
5. Hatch A, Gonzalez E, **Hanna K**. Kratom: Fact, fiction, and the unknown. The Journal of the American Board of Family Medicine January 2024, 37 (1) 153-154; DOI: https://doi.org/10.3122/jabfm.2023.230335R0
6. **Hanna, K.** Exploring the Applications of ChatGPT in Family Medicine Education: Five Innovative Ways for Faculty Integration. PRiMER. 2023;7:26. https://doi.org/10.22454/PRiMER.2023.985351
7. He Z, Tian S, Erdengsileng A, **Hanna K**, Gong Y, Luo X, Zhang Z,  Lustria MLA. Annotation and Information Extraction of a Consumer-Friendly Health Website for Enhancing Laboratory Test Reporting in Patient Portals. AMIA 2023, Annual Symposium. 2023.
8. Emdad FB, Tian S, Nandy E, **Hanna K**, He Z. Towards Interpretable Multimodal Predictive Models for Early Mortality Prediction of Hemorrhagic Stroke Patients. AMIA Jt Summits Transl Sci Proc. 2023 Jun 16;2023:128-137. PMID: 37350906; PMCID: PMC10283097.
9. **Hanna K**, Gupta S, Hurst R, et al. (February 27, 2023) Specialty-Specific Entrustable Professional Activities: A Bridge to Internship. Cureus 15(2): e35547. doi:10.7759/cureus.35547
10. Zhe He, Arslan Erdengasileng, Shubo Tian, **Karim Hanna**, Yang Gong, Xiao Luo, Zhan Zhang, Mia Liza A. Lustria. Towards Semi-Automated Construction of Laboratory Test Result Comprehension Knowledgebase for a Patient-Facing Application. medRxiv 2022.12.19.22283692; doi: https://doi.org/10.1101/2022.12.19.22283692
11. Amber M. Gum, Mary Goldsworthy, Lucy Guerra, Alison Salloum, Meredith Grau, Sheri Gottstein, Carol Horvath, Annanora Fields, Johnny Crowder, Robb Holley, Leigh J. Ruth, & **Karim Hanna**. Nov 2022. Trauma-Informed Patient and Public-Engaged Research: Development and Evaluation of an Online Training Program. Health Expectations. <https://doi.org/10.1111/hex.13668>
12. Nguyen OT, Parekh A, Turner K, Alishahi Tabriz A, **Hanna K**, Merlo LJ, Hong Y-R. Merit-Based Incentive Payment System participation and after-hours documentation among US office-based physicians: Findings from the 2021 National Electronic Health Records Survey. Journal of Evaluation in Clinical Practice. https://doi.org/10.1111/jep.13796
13. Nguyen OT, **Hanna K**, Merlo LJ, Parekh A, Alishahi Tabriz A, Hong Y-R, Feldman SS, Turner K. (In press). Early performance of the Patients Over Paperwork initiative among family medicine physicians: A quantile regression analysis. Southern Medical Journal.
14. Nguyen OT, Renfro CP, Hughes J, Kumar S, Alishahi Tabriz A, Hong YR, **Hanna K**, Feldman SS, Schlossman DM, Turner K. Patients’ use of smartphone apps for health record access in 2019: A cross-sectional study. International Journal of Medical Informatics. <https://doi.org/10.1016/j.ijmedinf.2022.104858>
15. Amanda Pitre, Bianca Arboleda, Eliza Nguyen, Heather Stewart, Emma Hale, Elizabeth Cook, Alexander Shahin, Lucy Guerra, Deborah Trehy, **Karim Hanna**, Eduardo Gonzalez. Contraception Use and Counseling at a Student-Run Free Clinic. June 1, 2022. Journal of Student-Run Clinics.
16. **Hanna, K.**, Arrendondo, B.L., Chavez, M.N., Geiss, C., Szalacha, L., Christy, S.M., Vadaparampil, S., Menon, U., Islam, J., Hong, Y.R., Alishahi Tabriz, A., Kue, J. Turner, K. Cancer screening among rural and urban clinics during COVID-19: A multi-state qualitative study. *JCO Oncology Practice*. 2022 Mar 7:OP2100658. doi: 10.1200/OP.21.00658. Epub ahead of print. PMID: 35254884.
17. Nguyen OT, Hong YR, Alishahi Tabriz A, **Hanna K**, Turner K. Prevalence and Factors Associated with Patient-Requested Corrections to the Medical Record through Use of a Patient Portal: Findings from a National Survey. Appl Clin Inform. 2022 Jan;13(1):242-251. doi: 10.1055/s-0042-1743236. Epub 2022 Feb 23. PMID: 35196717.
18. Oliver T Nguyen, Kea Turner, Nate C Apathy, Tanja Magoc, **Karim Hanna**, Lisa J Merlo, Christopher A Harle, Lindsay A Thompson, Eta S Berner, Sue S Feldman, Primary care physicians’ electronic health record proficiency and efficiency behaviors and time interacting with electronic health records: a quantile regression analysis, Journal of the American Medical Informatics Association, 2021; <https://doi.org/10.1093/jamia/ocab272>
19. Mihir Patel, Justin Swanson, Matthew Malak, Jennifer Costa, Kea Turner, **Karim Hanna**. Mammogram Order Completion Rates Among Women with Diabetes. The Journal of American Board of Family Medicine. Jan 2022, 35 (1) 158-162; DOI: 10.3122/jabfm.2022.01.210239.
20. Sephien A, Hatch L*,*Karsch J*,* **Hanna K**, Kumar A, Gulick D. Prevalence of, Qualities, and Barriers associated with Mentoring Relationships from Medical Students’ Perspective – A Multi-Institutional Cross-Sectional Study. Southern Medical Journal. December 2021. DOI 10.14423/SMJ.0000000000001334 Pages 789-796
21. Nguyen OT, Alishahi Tabriz A, Huo J, **Hanna K**, Shea CM, Turner K. Impact of Asynchronous Electronic Communication-Based Visits on Clinical Outcomes and Health Care Delivery: Systematic Review. *Journal of Medical Internet Research*. 2021 May 5;23(5):e27531. doi: 10.2196/27531. PMID: 33843592.
22. **Karim Hanna**. Making Lemonade out of Lemons. Reflection Piece. February 2021. Vol.34/S1. *The Journal of American Board of Family Medicine*.
23. Deutchman, M...**Hanna, K**…James, K. Contributions of U.S. Medical Schools to Primary Care (2003-2014): Determining and Predicting Who REALLY Goes into Primary Care. *Family Medicine*. 2020;52(7):483-90.) doi: 10.22454/FamMed.2020.785068
24. Ahmad Y, Boutros H, **Hanna K** (April 24, 2020) Out of the Blue: A Case of Blue Subungual Discoloration Associated with Prolonged Tetracycline Use. *Cureus* 12(4): e7810. doi:10.7759/cureus.7810
25. S Akhnoukh, G Soliman, A Croker, J Acevedo-Giron, J Barboza, **K Hanna**. Utilization of Acid Suppression Medication in an Underserved Population. *Southern Medical Journal*. 2020 Mar;113(3):119-124.
26. Updike, W., Pane, O., **Hanna, K.,** Chevasco, R., Kelly, W., Sneed, K. Pharmacists Interventions Using Bluetooth Technology and Telehealth to Improve Blood Pressure - A Pilot Study. *Journal of the American Pharmacists Association*. 2020 Feb 21.
27. Herr, J., Hatch L., Sephien, A., **Hanna, K**. Psychogenic Seizures Post-Partum: Case Report. *Journal of Family Practice*. Accepted for publication 06-May-2019.
28. Recurrence and survival analysis of resected soft tissue sarcomas of pelvic retroperitoneal structures. MP Doepker, **KH Hanna**…RJ Gonzalez. Department of Sarcoma, Moffitt Cancer Center, University of South Florida, *Journal of Surgical Oncology* – 2015

**Oral Presentations**

1. *Balu. LabQAR: A Manually Curated Dataset for Question Answering on Laboratory Test Reference Ranges and Interpretation*
2. *Zhe. LabGenie - A Patient-Facing Al-Powered Application for Enhancing Older Adults' Comprehension of Laboratory Test Results*
3. Tang R, **Hanna K.** Enhancing Potential Use of Large Language Models in Assisting Physicians with Preanesthetic Testing. USF AIX 2024 Symposium ; October 25,**2024**; Tampa, Fl.
4. Awad, M., Daoud, V., Petrilli, J., & **Hanna, K**. Enhancing clerkship education: Assessing the impact of AI integration on 3rd-year medical students' test scores. Oral Presentation at the USF Artificial Intelligence + X Symposium. (2024, October 25)
5. Tang R,**Hanna K.** Enhancing Pre-operative Patient Education: Evaluating GPT Model Explanations of Inhaled Anesthetics. ASA 2024; October 20, **2024;**Philadelphia, PA.
6. **Karim Hanna, MD.** Alcohol, Tobacco, and Marijuana Use in Adolescents. AAFP CME: Child and Adolescent Health. 8/23/2024.
7. **Karim Hanna, MD.** AI and the future of Medical Education. AAFP National Conference, Kansas City. August 2024.
8. *Nicole Delgado-Salisbury, EdD;* ***Karim Hanna, MD****; Christopher Anghel. Using Artificial Intelligence to Improve Education of Patients, Learners and Faculty: A Multi-Institution Panel Discussion. Round Table at STFM Conference on Practice and Quality Improvement September 2024.*
9. He Z, Bhasuran B, Jin Q, Tian S, **Hanna K**, Lu Z, Using Informatics and Generative AI to Support Older Adults’ Understanding of Lab Test Results. Presented at “East Meets West: Application of AI to Support Healthy Aging and Effective Care in Diverse Cultures” symposium of the Gerontological Society of America (GSA) 2024 Annual Scientific Meeting.
10. Radico, J., **Hanna K.** Are we teaching our medical students and residents that their mental disorders should be hidden? Society of Teachers of Family Medicine. May 4-8, 2024.
11. Archer D, Liaw W, Chartash D, **Hanna K.** Embracing the Future: Exploring the Impacts of Artificial Intelligence on Family Medicine and Medical Education. Society of Teachers of Family Medicine. May 4-8, 2024.
12. **Hanna, K.** Future of Harnessing AI in Medical Education. USF Research Day. March 2024
13. Nicole Delgado-Salisbury, EdD, Dynell Pinder, MD, Christopher Anghel, MD, **Karim Hanna, MD**. Using Artificial Intelligence to Improve Education of Patients, Learners and Faculty: A Multi-Institution Panel Discussion. STFM 2024 Conference on Practice & Quality Improvement.
14. **Hanna, K.** Growth Minded Feedback for Leaders – AAFP FMX. Chicago, Illinois. October, 2023.
15. **Hanna, K.** Anxiety: A fresh look – Florida Academy of Family Physicians. Summer conference. Boca Raton, Florida. 2023
16. **Hanna, K.**, Petrilli, J. Handoffs in Leadership. Society of Teachers in Family Medicine Annual Spring Conference, Tampa, Florida. April 30, 2023.
17. Lulu, S., Bisht, R., Guerra, L., Menezes, L., **Hanna, K**. Access to Citizenship: How Family Medicine Physicians Can Take Action to Reduce Wait Times for Refugees Pursuing Greencards. Society of Teachers in Family Medicine Annual Spring Conference, Tampa, Florida. May, 2023.
18. Gupta, S., **Hanna, K.**, Smith, A., Bailey, J., Chen, W., Alexandraki, I. Evaluating Faculty Development Initiatives. Ottawa Lyon 2022 – AMEE Conference August 27, 2022.
19. **Hanna, K.**, Lawrence, E. Specialty Specific EPAs: Implementing and Assessing a Collaborative Family Medicine EPA Curriculum. Society of Teachers of Family Medicine. National Conference, Indianapolis, Indiana. May 2, 2022.
20. **Hanna, K.**, Arredondo, B., Chavez, M.N., Szalacha, L., Christy, S.M., Vadaparampil, S., Menon, U., Islam, J.Y., Hong, Y.R., Alishahi Tabriz, A. Kue, J., Turner, K. (2021, November 19). Rapid adaptation of cancer screening practices during COVID-19: A multi-state qualitative study. Poster presentation at the North American Primary Care Research Group (NAPCRG) Conference. Virtual Presentation.
21. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. **Hanna K**, Cohen A, Gilbert D, Hughes P, Leonard E, Uy-Smith E. Presentation at STFM National Conference. August 2020
22. Sephien A, Hatch L, Karsch J, **Hanna K**, Kumar A, Gulick D. Facilitators and Barriers associated with Mentoring Relationships from Medical Students’ Perspective – A Multi-Institutional Cross-Sectional Study. 2020. Southern Medical Association.
23. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. **Hanna K**, Cohen A, Gilbert D, Hughes P, Leonard E, Uy-Smith E. Presentation at AAMC SGEA Faculty Development SIG. February 2020
24. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. **Hanna K**, Cohen A, Gilbert D, Hughes P, Leonard E, Uy-Smith E. Presentation at STFM; Portland, OR. January 2020
25. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. Cohen A, Gilbert D, **Hanna K**, Hughes P, Leonard E, Uy-Smith E, Koone T, Zakrajsek T. Presentation at Faculty Development Fellowship Symposium; UNC Chapel Hill, NC June 2019
26. Biggest Bang for the Buck: Entrustment in UME and GME partnership. D. DeWaay, S. Gupta, **K. Hanna**, R. Hurst, BA McKeon, J. Mayer. Presented at **2019 SGEA Regional Conference, Orlando, Florida. March 28, 2019.**

**Research & Scholarship Awards**

2024 AMIA National Conference 2024 paper “**Assessing the Seasonality of Lab Tests Among Patients with Alzheimer's Disease and Related Dementias in OneFlorida Data Trust**” Awarded the third place of the 2024 KDDM Innovation Award.

2024 Beleri V, Waldron R, **Hanna K**. A Case of Hemophagocytic Lymphohistiocytosis-associated Cardiogenic Shock ​Complicated by Symmetrical Peripheral Dry Gangrene​. Poster Presentation. Florida American College of Physicians 2024 Annual Scientific Meeting, Fort Lauderdale, FL, October 26, 2024. Awarded First Place in student Competition.

2024 Rana Hanna, Logan Smith, Rahul Mhaskar, **Karim Hanna.** Performance of Language Models on the Family Medicine In-training Exam. Poster presentation at Florida Academy of Family Physicians, Spring Meeting April 2024. Awarded Second Place in student competition.

2023 Al-Mashal A, Maldonado-Puebla R, Bisht R, Guerra L, Menezes L, **Hanna K**, Aponte L, Paulino L, Kwo J, Machado F, Hendrix L. Evaluation of Outreach, Follow-up and Barriers to Care Encountered by Refugee Population Seen by the Tampa Bay Street Medicine Refugee Clinic. USF Health Research Day, March 2023. Medical Student Year 4 Research Award.

2022 Sidhom N., Boghdadi G., **Hanna K.**, Mental Health Literacy Among Educators of Adolescents: A Case-Based Approach. Poster presented at: USF Health Research Day; February 2022; Tampa, FL. Awarded the Social Science Award.

2021 Pitre, A.; Arboleda, B.; Nguyen E.; Stewart, H.; Hale, E.; Cook, E.; Shahin, A.; Guerra, L.; Trehy, D.; **Hanna, K**.; Gonzalez, E.Contraception Use and Counseling at a Student-Run Free Clinic. Virtual Poster First Place Student Category: Florida Academy of Family Physicians Spring Forum 2021, April 2021.

2021 Society of Teachers in Family Medicine Research Paper of the Year Award Deutchman, M...**Hanna, K**…James, K. Contributions of U.S. Medical Schools to Primary Care (2003-2014): Determining and Predicting Who REALLY Goes into Primary Care. *Family Medicine*. 2020;52(7):483-90.) doi: 10.22454/FamMed.2020.785068

2020 **K. Hanna**, P. Tipping, A. Pitre, E. Gonzalez. The Effectiveness of an Innovative Mobile Application in EPA Feedback. Poster presented at Society of Teachers of Family Medicine, Portland, OR, January 2020. Poster winning the Special Recognition Award.

2017 Rohani A, **Hanna K**, Dicapua P. Transitioning to Team-Based Primary Care. Poster presented and awarded First Place at Florida Academy of Family Physicians, Family Medicine Spring Forum. Orlando, FL. 4/22/17.

**Other Research Presentations**

1. Roy Chen; Wedline Charles; **Karim Hanna, MD**; Christina Eldredge, MD, PhD; James Andrews PhD. (2024, July 25). *Medical Student Perspectives on AI Use in Healthcare Education*[poster]. Second USF Artificial Intelligence + X Symposium, Tampa, FL, United States; Summer Undergraduate Research Symposium, Tampa, FL, United States.
2. Beleri V, Waldron R, **Hanna K**. A Case of Hemophagocytic Lymphohistiocytosis-associated Cardiogenic Shock ​Complicated by Symmetrical Peripheral Dry Gangrene​. Poster Presentation. Florida American College of Physicians 2024 Annual Scientific Meeting, Fort Lauderdale, FL, October 26, 2024. Awarded first prize.
3. Roy Chen; Wedline Charles; Karim Hanna, MD; Christina Eldredge, MD, PhD; James Andrews PhD. (2024, July 25). Medical Student Perspectives on AI Use in Healthcare Education [poster]. Summer Undergraduate Research Symposium, Tampa, FL, United States.
4. Julia Jenkins, MD, Karim Hanna, MD. Transforming Primary Care: Case-Based Lifestyle Medicine Workshop for 4th Year Medical Students Pursuing Family Medicine Careers. Poster at ACLM October 2024.
5. *Balu Bhasuran, Lu Zhiyong, Qiao Kjin, Shubo Tian, Karim Hanna, Zhe He. Evaluating the Impact of Lab Test Results on Large Language Models Generated Differential Diagnoses from Clinical Case Vignettes. Accepted by****AMIA 2024 Annual Symposium****Scientific Program Committee (SPC) as a Poster presentation. San Francisco, CA. November 2024.*
6. Rana Hanna, Logan Smith, Rahul Mhaskar, **Karim Hanna.** Performance of Language Models on the Family Medicine In-training Exam. Poster presentation at Florida Academy of Family Physicians, Spring Meeting April 2024. Awarded Second Place in student competition.
7. Chandni Pooran, **Karim Hanna.** Amoxicillin Induced Black Hairy Tongue. Poster presentation at Florida Academy of Family Physicians, Spring Meeting April 2024.
8. Samuel Mendez Araque, Brett Behers, Emily Evangelista, Anthony Schinelli, **Karim Hanna.** Medical Student Perception and Utilization of AI technology in Family Medicine Clerkship. Poster presentation at Florida Academy of Family Physicians, Spring Meeting April 2024.
9. Hanna R., **Hanna K.** AI and the Future of Medical Education Poster Presentation. Presented at the 21st Annual Innovations in Medical Education Online Conference 2024. Virtual Conference, Los Angeles, CA. February 15 to Feb 16, 2024.
10. Kattih M, Bressler M, Smith L, Schinelli A, **Hanna K.** AI-Prompted Explanations of Common Primary Care Diagnoses to Aid Patient Understanding. Poster Presentation. Presented at the 21st Annual Innovations in Medical Education Online Conference 2024. Virtual Conference, Los Angeles, CA. February 15 to Feb 16, 2024.
11. Anthony Schinelli BS, Brett Behers BS, Samuel Mendez Araque BS, **Karim Hanna MD** “Evaluating and Enhancing Medical Students' Understanding of AI Tools in Education” 21st Annual Innovations in Medical Education Online Conference, February 15th, 2024, Los Angeles, CA
12. Avaneesh Kunta, Oliver Nguyen, Srivarsha Katoju, Sara Gheytasvand, Niloofar Masoumi, Ronia Tavasolian, Amir Alishahi Tabriz, Young-Rock Hong, **Karim Hanna**, Randa Perkins, Arpan Parekh, Kea Turner. The impact of electronic health record nudges on clinician behavior and patient outcomes in primary care: A systematic review of randomized clinical trials. IEEE
International Conference on Healthcare Informatics. Orlando, Florida. June 2024.
13. Michael Golpanian, **Karim Hanna**, Elizabeth V. Seiverling, Jane M. Grant-Kels, Robert S. Kirsner, Alina Bridges, Claude Bridges, Edward R. Schwartz. Guidelines For Elastic Scattering Spectroscopy Device To Aid Primary Care Physicians In Their Detection and Management of Skin Cancer. Accepted at Maui Derm, January 2024.
14. Chow M, Rivera R, Gonzalez E, Navarte H, **Hanna K.** 2023. A Case of Malar Rash, Joint Pain, and Joint Swelling Following Carbamazepine Use in the Dominican Republic. Global Health Summit at Family Medicine Experience (FMX). Chicago, IL.
15. Rizk, M., Marek, J., Gonzalez, E., Narvarte.H.N.,**Hanna,K.** 2023. A Case of Trigeminal Involvement of Varicella-Zoster Virus in the Dominican Republic. Global Health Summit at Family Medicine Experience (FMX), October 25-26, Chicago, IL.
16. Amber Gum, Robb Holley, Mary Goldsworthy, Sierra Tentis, Tanya Moore, Lindy Pass, Cindy Foster, Lucy Guerra, Alison Salloum, Leigh Ruth, Lori Brock, **Karim Hanna**, Meredith Grau Porter, Bellinda King-Kallimanis. Telehealth Experiences and Preferences for Behavioral Health and Trauma Services: Mixed Methods Analysis of Patient and Professional Perspectives. Poster presented at Integrated Care Conference. Phoenix, AZ. October 2023.
17. Azd Al-Mashal, Lynette Menezes, Lily Hendrix, Jason S. Kwo, **Karim Hanna**, Lucy Guerra. Evaluation of Healthcare Services to Refugees by the University of South Florida Refugee Clinic. 2023 North American Refugee Health Conference. Calgary, Alberta, Canada. July 2023.
18. Sarah Hanna; Bruno Oros; Antoneyous Mellek; Lila Gutstein; Sabrina Khalil; Eduardo Gonzalez; **Karim Hanna**. Translating Our Process: A Look into the Interpreting Services at the University of South Florida Bridge Clinic. Presented at STFM Annual Spring Conference. Tampa, Florida. April 2023.
19. Heidi, M., **Hanna, K.** Peripheral Arterial Disease in an Adolescent Patient with a History of Nephrotic Syndrome: A Case Report. Florida Academy of Family Physicians. Orlando, Florida. April 2023.
20. Ward, C., **Hanna, K.** A Case of Glucocorticoid-Induced Hypomania Following a Seven-Day Course of Prednisone Treatment. Florida Academy of Family Physicians. Orlando, Florida. April 2023.
21. Al-Mashal A, Maldonado-Puebla R, Bisht R, Guerra L, Menezes L, **Hanna K**, Aponte L, Paulino L, Kwo J, Machado F, Hendrix L. Evaluation of Outreach, Follow-up, and Barriers to Care Encountered by Refugee Population Seen by the Tampa Bay Street Medicine Refugee Clinic. USF Health Research Day, March 2023. Medical Student Year 4 Research Award.
22. **Hanna, K.** Rebuild the Clerkship. Poster presented at Society of Teachers of Family Medicine. National Conference, Indianapolis, Indiana. May 2, 2022. Poster as leadership project for STFM Leadership Fellowship.
23. Sidhom N., Boghdadi G., **Hanna K.,** Mental Health Literacy Among Educators of Adolescents: A Case-Based Approach. Poster presented at: USF Health Research Day; February 2022; Tampa, FL. Awarded the Social Science Award.
24. **Hanna, K.**, Arredondo, B., Chavez, M.N., Szalacha, L., Christy, S.M., Vadaparampil, S., Menon, U., Islam, J.Y., Hong, Y.R., Alishahi Tabriz, A. Kue, J., Turner, K. (2021, November 19). Rapid adaptation of cancer screening practices during COVID-19: A multi-state qualitative study. Poster presentation at the North American Primary Care Research Group (NAPCRG) Conference. Virtual Presentation.
25. **Karim Hanna MD**. Get 'Em Done! Order Completion in Cancer Screening. Presented virtually at STFM Annual Conference, May 2021.
26. Lauren Holt, Rosalie Zurlo, **Karim Hanna MD**. Safer at Home? Quarantine’s Effect on Sexual Assault Reports in Tampa, Florida. Presented virtually at STFM Annual Conference, May 2021.
27. Pitre, A.; Arboleda, B.; Nguyen E.; Stewart, H.; Hale, E.; Cook, E.; Shahin, A.; Guerra, L.; Trehy, D.; **Hanna, K**.; Gonzalez, E.Contraception Use and Counseling at a Student-Run Free Clinic. Virtual Poster Presentation presented at: Florida Academy of Family Physicians Spring Forum 2021, April 2021.
28. Sarah Hanna; Alena Makarova, BS; Myra Quiroga, MS; Justin Swanson, MPH; Richard Roetzheim, MD; **Karim Hanna, MD**. Completion Rates of Neuroimaging Orders from the Primary Care Setting. Presented virtually at STFM MSEC, February 2021.
29. Mihir Patel; Myra Quiroga, MS; Justin Swanson, MPH; Matthew Malak; Alena Makarova, BS; **Karim Hanna, MD**. Mammogram Order Completion in the Outpatient Setting. Presented virtually at STFM MSEC, February 2021.
30. Matthew Malak; Mihir Patel; Alena Makarova, BS; Myra Quiroga, MS; Justin Swanson, MPH; Richard Roetzheim, MD; **Karim Hanna, MD**. Completion Rates of Colonoscopy Screenings from the Primary Care Setting. Presented virtually at STFM MSEC, February 2021.
31. Sarah Hanna; Alena Makarova, BS; Myra Quiroga, MS; Justin Swanson, MPH; Richard Roetzheim, MD; **Karim Hanna, MD**. Completion Rates of Neuroimaging Orders from the Primary Care Setting. Presented virtually at NAPCRG Annual Meeting, November 2020.
32. Mihir Patel; Myra Quiroga, MS; Justin Swanson, MPH; Matthew Malak; Alena Makarova, BS; **Karim Hanna, MD**. Mammogram Order Completion in the Outpatient Setting. Presented virtually at NAPCRG Annual Meeting, November 2020.
33. Matthew Malak; Mihir Patel; Alena Makarova, BS; Myra Quiroga, MS; Justin Swanson, MPH; Richard Roetzheim, MD; **Karim Hanna, MD**. Completion Rates of Colonoscopy Screenings from the Primary Care Setting. Presented virtually at NAPCRG Annual Meeting, November 2020.
34. Mark Deutchman…**Karim Hanna**…Katherine James. Who REALLY Goes into Primary Care? Presented at 2020 AAFP FMX.

# S. Gupta, K. Hanna, BA McKeon, R. Hurst. Specialty Specific EPAs: A Curricular Pilot of 4 Specialties. Presented at **2020 Transition to Residency Symposium. October 21, 2020.**

1. Pitre, A., Ninesling, B., Cataldo, R., Gonzalez, E., **Hanna, K**. Patient perceptions regarding healthcare received at mobile clinics in the Dominican Republic. Poster presented at: AAFP Global Health Summit; September 2020. Online.
2. Ganapathiraju, M., Gonzalez, E., **Hanna, K**. Developing a Medical Electronic Data System (MEDS) for use in medical mission/service trips. Poster presented at: AAFP Global Health Summit; September 2020. Online.
3. Snyder A., Le D, **Hanna K**. Subspecialty Exposure during Primary Care Clerkship: Medical Student Experience, Satisfaction, and Outcomes. Presented online (Covid) Florida Academy of Family Physicians Spring Forum. Orlando, FL. April 4, 2020.
4. Gupta S, **Hanna K**, Nonaillada J. Discharging a Patient. Accepted to AAMC iCollaborative. 5/29/2020. <https://icollaborative.aamc.org/resource/5133/>
5. Pollard C, Hanna K, Woodard L. Telehealth for Continuity of Primary Care Medical Education During COVID-19. Accepted to AAMC iCollaborative. 5/6/2020. <https://icollaborative.aamc.org/resource/5120/>
6. Makarova A…**Hanna K**…Roetzheim R. Neuroimaging Order Completion in the Outpatient Setting. Poster presented at USF Research Day 2020
7. C Hasson, Mullen P, Ahmed A, Zwygart K, Gonzalez E, **Hanna K**.Who Decides to Practice Primary Care? Poster presented at USF Research Day 2020
8. **K. Hanna**, P. Tipping, A. Pitre, E. Gonzalez. The Effectiveness of an Innovative Mobile Application in EPA Feedback. Poster presented at Society of Teachers of Family Medicine, Portland, OR, January 2020. Poster winning the Special Recognition Award.
9. **Hanna K,** Cohen A, Gilbert D, Hughes P, Leonard E, Uy-Smith E, Koone T, Zakrajsek T. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. Oral Presentation at Society of Teachers of Family Medicine, Portland, OR, January 2020.
10. Cohen A, Gilbert D, **Hanna K**, Hughes P, Leonard E, Uy-Smith E, Koone T, Zakrajsek T. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. Poster presented at Family Medicine Education Consortium (FMEC); Lancaster, PA November 2019
11. S Gupta, **K Hanna**, R Hurst, B McKeon. TRUST ME, I AM A (SPECIALTY-SPECIFIC) DOCTOR. Poster. AAMC - Transition to Residency: Conversations Across the Medical Education Continuum Conference Chicago, IL October 2019
12. Cohen A, Gilbert D, **Hanna K**, Hughes P, Leonard E, Uy-Smith E, Koone T, Zakrajsek T. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. Poster presented at AAFP FMX; Philadelphia, PA September 2019
13. H. Tolbert, M. Watkins-Patel, **K. Hanna**, A. Ahmed. (Fewer) Steps Towards an Efficient Clinic: Applying Lean Principles to Eliminate Movement Waste. NAPCRG - **International Conference on Practice Facilitation. Bethesda, Maryland. June 2019**
14. Cohen A, Gilbert D, **Hanna K**, Hughes P, Leonard E, Uy-Smith E, Koone T, Zakrajsek T. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. Poster presented at Camp Lejeune Research Symposium; Camp Lejeune, NC May 2019
15. Cohen A, Gilbert D, **Hanna K**, Hughes P, Leonard E, Uy-Smith E, Koone T, Zakrajsek T. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. Poster presented at UCSF Family and Community Medicine Rodnick Colloquium; San Francisco, CA May 2019
16. Cohen A, Gilbert D, **Hanna K**, Hughes P, Leonard E, Uy-Smith E, Koone T, Zakrajsek T. Assessing the effects of a growth-minded approach to feedback on medical learners and faculty. Poster presented at Family Medicine Education Consortium (FMEC); Rye, NY November 2018
17. Wasef D, **Hanna K.** Decoding Discrepancies in Readmission Rates of African Americans with Medicaid Coverage. Poster session presented at: Meharry Medical College Research Day; 2019 Mar 13; Nashville, TN.
18. Dawood S, Rahman S, **Hanna K**. Overcoming barriers to treatment of opioid use disorder. Poster presented at USF Health Research Day, February 2019.
19. Ankus E, **Hanna K**. Myelodysplastic Syndrome: Recognition in a Primary Care Setting and Clinical Course. Poster presented at USF Health Research Day, February 2019.
20. Sephien A**,**Hatch L, Karsch J, **Hanna K**, Gulick D. Medical Education: Barriers and Successful Qualities in Mentoring Relationships. 2019. Poster presented at USF Health Research Day, February 2019.
21. Hatch L, Sephien A, Karsch J, **Hanna K**, and Gulick D. Pay it Forward: Are Medical Trainees with Mentors More Likely to be Mentors Themselves? 2019. Poster presented at USF Health Research Day, February 2019
22. Mullen P, Rao G, O’Neill J.L, Carroll M, Ahmed A, Zwygart K, Gonzalez E, **Hanna K**. Who REALLY goes into primary care? A 10-year perspective on primary care matched students and current practice environments at the University of South Florida. Poster presentation at 2019 Society for Teachers in Family Medicine Medical Student Education Conference, Jacksonville, FL. January 2019.
23. Makarova, A**.,** Swendener B, …, **Hanna, K**. Teaching Graduating Medical Students Through a Combined Approach to Patient Hand-Offs. Poster presentation at 2019 Society for Teachers in Family Medicine Medical Student Education Conference, Jacksonville, FL. January 2019.
24. Swendener B Makarova, A, …, **Hanna, K.** Opioids and Coffee, What’s the Difference? Poster presentation at 2019 Society for Teachers in Family Medicine Medical Student Education Conference, Jacksonville, FL. January 2019
25. Makarova, A**., Hanna, K.**, Weiss, A., Pavlova, A. A Russian Model of Outpatient Adolescent Education: The School for Adolescent Well-Being. **2018**. This abstract submission was honored as an oral presentation at the USF Health Morsani College of Medicine 9th Annual Student Symposium.
26. Herr. J*.,* Hatch L.*,*Sephien, A., **Hanna, K.** New Onset of Psychogenic Seizures Post-Partum: A Case Report. 2018. This abstract submission was honored as an oral presentation at the USF Health Morsani College of Medicine 9th Annual Student Symposium.
27. Karsch, J., Hatch, L., Sephien, A., **Hanna, K.**, Gulick, D. What Do Medical Students Look For in Mentoring Relationships? 2018**.**This abstract submission was honored as an oral presentation at the USF Health Morsani College of Medicine 9th Annual Student Symposium.
28. Cohen, A., Gilbert, D., **Hanna, K.** Hughes, P**.,** Leonard, B., Uy-Smith, E. Growth minded Feedback - Work in Progress.  Family Medicine Education Consortium Annual Conference. November 2018. Rye Brook, NY.
29. Crocker, A.L., Salhab, R., Wantuch, G., **Hanna, K**. & Barboza, J. (October, 2018). The Utilization of

Acid-suppression therapy in an underserved population. Poster presented at: AAFP Family Medicine Experience; New Orleans, LA.

1. Godbole, N., Nguyen, T.; **Hanna, K.** (September 2018) An Interdisciplinary effort in El Rincón de Santa Maria, Centro de Salúd. Poster presented at: AAFP Global Health Summit; Jacksonville, FL.
2. Chung-Bridges K, Whisenant E, Brown D, Lage O, Tyrell T, Hartlieb K, Pedoussaut M, **Hanna K**, Ross K, Jimenez-Vazquez H, Lupi C.  Entrustable Professional Activities to Assess Student and Resident Management of the Social Determinants of Health. Poster presented at Florida Academy of Family Physicians, Family Medicine Spring Forum. Orlando, FL. 4/22/17.
3. Chung-Bridges K, Whisenant E, Brown D, Lage O, Tyrell T, Hartlieb K, Pedoussaut M, **Hanna K**, Ross K, Jimenez-Vazquez H, Lupi C.  Entrustable Professional Activities to Assess Student and Resident Management of the Social Determinants of Health. Poster presented at 2nd Annual West Kendall Baptist Hospital Scholarly Showcase Poster Session. Miami, FL. 3/21/17.
4. Rohani A, **Hanna K**, Dicapua P. Transitioning to Team-Based Primary Care. Poster presented at 2nd Annual West Kendall Baptist Hospital Scholarly Showcase Poster Session. Miami, FL. 3/21/17. Poster presented at Florida Academy of Family Physicians, Family Medicine Spring Forum.  Orlando, FL. 4/22/17.
5. **Hanna, K**, et al. “Making it on time: Quality Improvement Project in the Family Medicine Outpatient Setting”. Poster Presentation at West Kendall Baptist Hospital Scholarly Showcase January, 2016
6. Consideration of Complete Lymph Node Dissection for Stage III Soft Tissue Sarcoma. J. Deneve; R.J. Gonzalez… **K. Hanna**; L. Robert; B. Marilyn. Surgical Oncology, Moffitt Cancer Center. University of South Florida. Poster, Connective Tissue Oncology Society, 2011.

**Other Publication/Media Appearances**

October 2024 Interviewed for [this article](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.fiercehealthcare.com%2Fspecial-reports%2Fsome-doctors-are-using-public-generative-ai-tools-chatgpt-clinical-decisions-it&data=05%7C02%7Ckhanna%40usf.edu%7Cb1cf7be8c8dd40383ee708dce6e5a386%7C741bf7dee2e546df8d6782607df9deaa%7C0%7C0%7C638639121183365991%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=LPtoiWUvYOILTCj7s6TDq1ZluvDgeWvcBVyWnCHdieY%3D&reserved=0) mentioning my work in AI+MedEd

July 2024 Interview on [FOX 13 Tampa for Voice + AI Course](https://www.fox13news.com/news/usf-becomes-one-four-universities-new-ai-voice-course-aimed-detecting-certain-health-conditions) for students with computer science

July 2024 AHRQ Trust and Patient Centeredness Workgroup: [Patient and Caregiver Perspectives on Generative Artificial Intelligence in Patient-Centered Clinical Decision Support](https://cdsic.ahrq.gov/sites/default/files/2024-07/OY1_FINAL%20TPC%20Patient%20Perspectives%20Generative%20AI.pdf)

June 2024 Blog on AI+MedEd hit >20K reads

May 2024 AI and the future of Medical Education, Abstract, Cureus

March 2024 Interviewed for article published on our research group founding [Research outcome teams enhance research opportunities at MCOM](https://www.usf.edu/health/news/2024/ssrot-research-opportunities.aspx)

January 2024 Interviewed by CNET in article on AI in Medicine - [The AI Doctor is in](https://www.cnet.com/health/medical/the-ai-doctor-is-in-heres-how-chatgpt-may-pave-a-new-era-of-self-diagnosis).

December 2023 AAMC Communities Blog, Monthly Member Spotlight: 2 minutes with Karim Hanna

November 2023 Blog on AI in Medical Education mentioned in [Harvard Macy Institute publication](https://harvardmacy.org/blog/november-2023-med-ed-pearls)

November 2023 Interview on podcast [Delta: HealthTech Innovators](https://www.youtube.com/watch?v=n2UIHLCao7Q) 🡪 Bridging Bytes and

Bedside: Dr. Karim Hanna's Journey Through Family Medicine and AI

September 2023 Featured as a Medical Education Specialist in MLforMDs online newsletter on AI for medical education evaluation

August 2023 Started AI+MedEd, a newsletter/blog for educators surrounding the implications, uses and potentials of AI in medical education and faculty development. Over 600 subscribers internationally. <https://karimhannamd.substack.com/>

June 2022 Article in USF MCOM Alumni Newsletter, about my recent USF Awards and being asked to speak at MCOM commencement ceremonies.

February 10, 2022 Article published on how and why I practice primary care. https://www.healio.com/news/primary-care/20220210/hooked-on-primary-care-with-karim-hanna-md

2022 Interview on mammogram completion in patients with diabetes, after publication, in article published Feb 1, 2022 at <https://www.healio.com/news/primary-care/20220201/women-with-diabetes-less-likely-to-get-mammograms>

**Service**

**Service to the University**

2024 – Present Chair, TGH Informatics Governance Committee

2024 Epic governance leader for Primary Care across USF TGP

2023 – Present Serve on Department APT Committee

2023 – Present Serve on departmental IRB for approving research initiatives

2023 Search committee for Family Medicine Department, Sports Medicine position

2023 Search committee for Family Medicine Department, Director of Research position

2023 – Present Clinical lead for QGenda integration for Department of Family Medicine

2022 – 2024 Chief of TGH Department of Family Medicine

2021 – Present Data Science for Healthcare Providers leadership role. After completing the coursework, now I work with future cohorts and encourage submissions of projects to AMIA/JAMIA

2021 – Present Florida Blue Informatics Research mentor for projects with PhD leads

2021 – Present Lead of Family Medicine pilot team for virtual scribing initiation in our clinic/practice

2020 – Present EPIC Telehealth Pilot team in light of COVID-19 pandemic, initiated roll-out team lead

2020 – Present Clinic lead for telehealth

2020 – Present The Academic Performance Review Committee (APRC) Member and Voting Member (2021)­­­­

August 2021 Coverage at TGH with USF Main Hospitalist Group for COVID surge

August 2021 Coverage for Monoclonal Antibody Clinic

May 2021 Department of Family Medicine Selection Committee for Family Med/Sports Med Physician

May 2021 Department of Family Medicine Selection Committee for Family Med Physicians

2020-2021 Covid Weekly Clinic as provider for patient care, rounding with students/residents

2020 - Present Curriculum Committee - term 10/2020 to 9/2023

July 2020 Wellness when you least expect it – lecture given to Tech Transfer Office

2020 - 2021 Covid 19 Call/Clinic Coverage for Covid clinic

Jan 2020 - Present USF Health IM/FM/EM Readmission Subcommittee, Informatics team

2019 - Present Physician Champion on Committee - Investment Proposal for TriNetX/I2B2 Data Mapping and Data Expansion Project

2018 - Present Faculty Advisor Phi Delta Epsilon Pre-Medical Student Fraternity

2017 - 2020 Faculty Advisor Orthodox Christian Campus Ministry

2017 - Present Member, Project World Health Advisory Board

2018 - Present Clinical Informatics Physician Advisory Council

2018 - 2020 Family Medicine Clinic – Quarterly Retreat Organization – QI/Informatics coaching

2018 Haiti Mission Trip preceptor and mentor for medical students

2017 - Present Project World Health preceptor and mentor

2017 - Present BRIDGE Clinic Preceptor

2017 - Present Mentor + Faculty Advisor to Medical Students

2017 - Present Mentor + Faculty Advisor to Premedical Students for USF Honors college

**Service to Profession**

2024 – Present Peer reviewer for Primer (STFM)

2024 – Present Peer reviewer for BMC Medical Education

January 2024 Established the STFM [Artificial Intelligence Collaborative](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fconnect.stfm.org%2Fcommunities%2Fcommunity-home%2Fdigestviewer%3FCommunityKey%3D1a26c963-6ea9-42ba-92ee-018ccbfa34ea&data=05%7C02%7Ckhanna%40usf.edu%7Cd75240069e8045aeab6008dc0db853c8%7C741bf7dee2e546df8d6782607df9deaa%7C0%7C0%7C638400332551036351%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=Z4ArY2nwWseWkOYn6jLSdsGKqgBGhDRUk2zxhQrsz7Y%3D&reserved=0)

Sept 2023 – Sept 2024 [CDSiC](https://cdsic.ahrq.gov/cdsic/home-page) Workgroup Member - AHRQ has contracted with NORC at the University of Chicago to initiate and implement the Clinical Decision Support Innovation Collaborative

Oct. 2023 – Present Member of the IAMSE subcommittee on AI in Health Profession Education

July 2023 – Present External Reviewer for promotion applications

May 2023 Having US Air Force physicians shadow our inpatient service at TGH for their certification

May 2023 STFM National Conference “On Call Physician”

2022 – Present Peer reviewer for IISE Transactions on Healthcare Systems Engineering

2021 – 2023 Mentorship of Oliver T Nguyen – in work on his Master’s Degree in biomedical informatics

 Worked with him on thesis/publications and prepped for his PhD program

2021 – Present United States Attorney Office – Medical Expert Witness

December 2021 Florida Academy of Family Physicians Speaker at Winter conference

March 2021 Revised CPX Case for Primary Care Clerkship examination –Tula Brown

2019 Weaving Cases Course 6 – Designed/Authored 5 clinical cases for path/phys Cardio-Pulm-Renal

2020 – 2022 Author for *Core Content* - Family Medicine review questions and material.

Questions I’ve written have been published in multiple editions of the board review material

2020 – Present Planning Committee reviewer for CME at USF: Reviewed several CME presentations to be given through USF on topics like Asthma, COPD, Lipid management, and others.

2020 - Present Peer reviewer for Journal of Health Care for the Poor and Underserved

2018 - Present Peer reviewer for Annals of Family Medicine

2018 - 2020 Secretary: American Academy of Family Physicians Global Health Member Interest Group

2015 - 2017 Florida Academy of Family Physicians Communications Committee

2016 Florida Delegate, AAFP Congressional Conference, Washington D.C.

**Service to the Community**

2024 Member of the AI Blue Ribbon Collaborative (AIBRC). Center for Telehealth and eHealth Law (CTeL), a nonprofit focused on telehealth and AI. They work with various stakeholders to address the legal aspects of digital health and aim to serve as an agnostic, vendor-neutral academic resource for the White House, the Administration, Congress, and state governments.

2023 Project World Health Trip to Dominican Republic. Accompanied over 30 medical students on a health mission to Jarabacoa, Dominican Republic

2022 – Present Volunteer at student-run free clinic for refugees at USF

2020 – Present BRAVE Men’s Ministries – National Board Member.

Put together Annual Conference each year.

2021 Community outreach – COVID Vaccine clinics for refugee populations

2020 USF/Tampa Bay Safety Collaborative Advocate

2020 - Present Vice President of 1thingisneeded Inc.

2020 - 2023 Serving as Secretary of St Verena Coptic Orthodox Church Board

2019 President and Founder of 1thingisneeded – a non-profit organization aiming to serve the underserved, here and abroad.

2018 - Present Coptic Diocese for the Southern United States –Representative for Church Clinics

2018 - Present Medical mission trips – to King Mariout and Alexandria, Egypt, Biannual

2018 Teaching Faculty Development at Egypt Eye’s School, for elementary school teachers on mental health, sex education, and classroom management, etc.

2017 - 2020 Youth-Group Board Member at St Verena Orthodox Church, New Port Richey

2018 - 2020 Organizer and speaker at “The Upper Room”, young adult ministry. Tampa, Fl.

2018 Served on a health mission to Haiti organized by USF Health faculty, students and Corpus Christi Catholic Church

2018 Project World Health Trip to Dominican Republic. Accompanied over 50 medical students on a health mission to Jarabacoa, Dominican Republic

2017 - Present Physician volunteer, USFCOM BRIDGE Clinic Free Clinic

2015 - 2018 Board Member. Christian Medical & Dental Association. Miami, Florida.

2016 - 2019 SALT Homeless Outreach, Tampa, Florida.

2016 Myles of Hope – Haiti Medical Mission and shoe collection drive

2015 Founded Miami Christian Medical Dental Association and FIU Student Chapter. Miami, Florida

2015 Started 1thingisneeded; writing a Christian blog and working towards starting a non-profit organization aimed at school-based wellness and mentoring for teens

2014 - 2017 Youth-Group Board Member at St John’s Orthodox Church, Miami, FL.

2015 Egypt Mission Trip – Served at several orphanages throughout Egypt