

## CHIGHAF BAKOUR, MD, Ph.D., MPH, CPH

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Email: [cbakour@usf.edu](mailto:cbakour@usf.edu)

### EDUCATION

- 2016      **Doctor of Philosophy in Public Health/ Epidemiology (Ph.D.)**  
University of South Florida, College of Public Health, Department  
Epidemiology and Biostatistics. Focus area: Maternal and Child Health
- 2007      **Master of Public Health (MPH)**  
Independence University. Salt Lake City, Utah
- 1994      **Doctor of Medicine degree (MD)**  
Damascus University, College of Medicine

### PROFESSIONAL EXPERIENCE

- 2023 -      **Associate Professor – Teaching Pathway**  
University of South Florida, College of Public Health  
Population Health Sciences
- 2020- 2023      **Assistant Professor – Teaching Pathway**  
University of South Florida, College of Public Health  
Population Health Sciences
- 2019-      **Concentration Lead, Epidemiology MPH & MSPH**  
University of South Florida, College of Public Health
- 2018 - 2020      **Visiting Assistant Professor**  
University of South Florida, College of Public Health  
Department of Epidemiology and Biostatistics
- 2016-2017      **Adjunct Faculty**  
University of South Florida, College of Public Health, Department of  
Epidemiology and Biostatistics
- 2015      **Graduate Teaching Associate – Instructor of Record**  
University of South Florida, College of Public Health
- 2010 – 2015      **Graduate Teaching Assistant**  
University of South Florida, College of Public Health
- 2006      **Public health intern**  
Spring Hill Regional Hospital. Spring Hill, FL.  
Department of Quality Management and Infection Control
- 1995-1997      **Ophthalmology Resident**

Eye Surgery Hospital. Damascus, Syria.  
 1994-1995 **Resident Physician**  
 Al-Shami Medical Care Center, Damascus, Syria

#### **CERTIFICATION:**

2012 **Certified in Public Health (CPH)**  
 1998 **Educational Commission for Foreign Medical Graduates (ECFMG).**  
 [United States Medical Licensing Exams (USMLE)]

#### **AWARDS & SCHOLARSHIPS**

2021 **Kenneth Rothman Travel Scholarship**  
 Society for Epidemiologic Research

2014-2015 **Maternal and Child Health Epidemiology Traineeship. \$12,500**  
 Health Resource & Service Administration, Maternal and Child Health Bureau  
 University of South Florida, College of Public Health

2015 **Student Honorary Award for Research and Practice. \$500**  
 University of South Florida, College of Public Health

2015 **Student Government Conference Presentation Grant. \$250**  
 University of South Florida

2014 **Greg Alexander Scholarship in Maternal and Child Health. \$1,000**  
 University of South Florida, College of Public Health

2012 **Outstanding Oral Presentation Award. \$500**  
 USF health research day

2011 **Graduate Fellowship. \$7,000**  
 University of South Florida, College of Public Health

2010 **Outstanding Graduate Fellowship. \$7,000**  
 University of South Florida, College of Public Health

#### **PEER-REVIEWED PUBLICATIONS**

- Stein-Elger R\*, Valencia J, Correia JS, Abdullah A, **Bakour C**, Kirby R. The impact of adverse childhood experiences (ACEs) on sleep adequacy for children with special health care needs (CSHCN) in the United States. *Disability and Health Journal*. 2023 (in press)
- Desch J\*, **Bakour C**, Mansuri F\*, Tran D\*, Schwartz SW. The Association Between Adverse Childhood Experiences and Insomnia Symptoms from Adolescence to Adulthood: Evidence from the Add Health Study. *Sleep Health*. 2023 (in press)
- Terkawi AS, Bakri B, **Bakour C**. Pregnancy and Delivery Characteristics and Outcomes in Northwestern Syria: A Prospective Cohort Study. *International Journal of Obstetrics and Gynecology*. 01 May 2023. <https://doi.org/10.1002/ijgo.14826>

- Desch J\*, Mansuri F, Tran D, Schwartz SW, **Bakour C**. The association between adverse childhood experiences and depression trajectories in the Add Health study. *Child Abuse and Neglect*. Vol 137, March 2023. <https://doi.org/10.1016/j.chiabu.2023.106034>.
- **Bakour C**, Mansuri F\*, Jones C\*, Crozier M, Wilson R, & Sappenfield W. Screen time and obesity in US adolescents. Secondary analysis of data from the National Children’s Health Study. *PLoS One*. 2022 Dec 1;17(12):e0278490. doi: 10.1371/journal.pone.0278490
- Pecoraro J\*, **Bakour C**, Obern A, Mehmood A. Predictors of masking behaviors in the absence of mask mandates - an observational study from Florida Int. J. Environ. Res. Public Health 2022, 19(23), 15982; doi: 10.3390/ijerph192315982
- Neelamegam M\*, Zgibor J, Chen H, O’Rourke K, **Bakour C**, Rajaram L, Anstey, K. The Effect of Opioids on the Cognitive Function of Older Adults. Results from the Personality and Total Health (PATH) Through Life Study. *Age and Ageing* 2021 Sep 11;50(5):1699-1708. doi: 10.1093/ageing/afab048.
- Neelamegam M\*, Zgibor J, Chen H, O’Rourke K, **Bakour C**, Rajaram L, Anstey, K. Trends in anticholinergic and opioid prescriptions in the elderly from 2004 to 2015. Results from the Personality and Total Health (PATH) Through Life Study. *Australasian Journal on Ageing*. 40(2):e173-e177. June 2021
- Joud H\*, Mohamed E, Mirza S, Tabbaa H, Tabbaa M, Khan, F, Ayoubi, N, MacDonald M, Woodard L, Oxner A, Guerra L, **Bakour C**, Mirza A. Prevalence and Management of Diabetes Among the Uninsured: A Multicenter Study in Tampa Bay, FL. *Diabetes Research and Clinical Practice*. 171 (2021). 108560. Doi: 10.1016/j.diabres.2020.108560
- **Bakour C**, Schwartz S, Wang W, Sappenfield W, Couluris M, & O’Rourke K. Sleep Duration Patterns from Adolescence to Young Adulthood and the Risk of Asthma. *Annals of Epidemiology*. 49 (2020) 20-26. doi:10.1016/j.annepidem.2020.07.00
- Neelamegam M.\*, Zgibor, J., Chen H., O’Rourke K., **Bakour C.**, Rajaram L., Anstey, K. The Effect of Cumulative Anticholinergic Use on the Cognitive Function of Older Adults. Results from the Personality and Total Health (PATH) Through Life Study. *Journal of Gerontology: Medical Sciences*. (2020) Jun 8; glaa145. doi: 10.1093/gerona/glaa145
- Mansuri F\*, Nash M., **Bakour C.**, & Kip K. (2020) Adverse Childhood Experiences (ACEs) and Headaches among Children: A Cross-Sectional Analysis. *Headache* 60 (4) doi: 10.1111/head.13773.
- **Bakour C**, Schwartz S, O’Rourke K, Sappenfield W, Wang W, Couluris M, Chen H. (2017). Sleep Duration Trajectories and Systemic Inflammation in Young Adults: Results From the National Longitudinal Study of Adolescent to Adult Health (Add Health). *SLEEP*. 40 (11). doi: 10.1093/sleep/zsx156.
- **Bakour C**, O’Rourke K, Schwartz S, Sappenfield W, Wang W, & Couluris M (2017). Sleep duration, obesity, and asthma, in Florida adolescents: analysis of data from the Florida

Youth Risk Behavior Survey (2009–2013). *Sleep Breath* 21 (4):1039-1045. doi: 10.1007/s11325-017-1460-2

\*Student

### INVITED COMMENTARIES

- **Bakour C.** Childhood Body Size and Premenstrual Disorders-Is There an Association? *JAMA Network Open*. 2022 Mar 1;5(3):e221262. doi: 10.1001/jamanetworkopen.2022.1262. PMID: 35258583
- Sebastião YV, **Bakour C**, Schwartz SW. Restating well-known determinants for blood pressure: Do classification trees help? *Am J Hypertens*. 2021 Jul 16; hpab113. doi: 10.1093/ajh/hpab113. Online ahead of print. PMID: 34270673

### MANUSCRIPTS UNDER REVIEW

- Zaffer M\*, Harb A, Bitar N, Zaffer S, Mohamed Z, Ahson M, **Bakour C**. Developing a Vaccine Drive for Arabic-Speaking Refugees in Accordance with the World Health Organization Report on Behavioral Considerations
- Mansuri F\*, Barry M, Desch J, Tran D, Schwartz S, **Bakour C**. Adverse Childhood Experiences and Risk of Hypertension in Adulthood: Results from the Add Health Study.
- Stein-Elger R\*, Chowdhry S, Garillo MP, Sauls R, Sundaramurugan S, Rozen E, Puri H, Brice DJ, Liu J, Bakour C, Kirby R. The role of adverse childhood experience in the relationship between autism severity and early intervention and special education plan

\*Students

### BOOK CHAPTERS

- **Bakour C**, Nieto FJ, Petersen DJ. Sleep in Human and Cultural Evolution. In: Nieto, FJ and Petersen DJ, co-editors. *Foundations for Sleep Health*. Arlington, VA: Elsevier, anticipated publication date 2021.
- Zgibor AC, **Bakour C**, Wang W, O'Rourke K, Quast T, Venkatachalam HH. Evidence Based Approaches to Public Health. In: Liller KD, Corvin JA, & Venkatachalam HH, (editors). *Certified in Public Health: Exam Review Guide*. American Public Health Association. January, 2018. DOI: 10.2105/9780875532981ch0

### CONFERENCE PRESENTATIONS

#### **Oral presentations**

- Percoraro J\*, **Bakour C**, Obern A, Mehmood A. Predictors of masking behaviors in the absence of mask mandates - an observational study from Florida. **American Public Health Association (APHA) annual meeting and expo (November 6-9, 2022). Boston, MA**
- **Bakour C**, Desch J, Mansuri F, Schwartz SW. Adverse childhood experiences and sleep

quality in adulthood. **SLEEP 2021, the 35th Annual Meeting of the Associated Professional Sleep Societies, LLC (APSS)**. June 2021. *Sleep 44 (Supplement\_2), A132–A133*

- Desch J\*, **Bakour C**, Manusri F, Tran D, Schwartz SW. Adverse childhood experiences and depression trajectories from adolescence to adulthood. **American Public Health Association (APHA) 2021 virtual annual meeting (Oct 24-27, 2021)**.
- Nash M, Mansuri F, **Bakour C**, Owens H, Delva J, Sama N, Wilson R. Association between adverse childhood experiences and risky behaviors among adults living in Florida: A cross-sectional analysis. **APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24-28)**.
- **Bakour C**, O'Rourke K, Schwartz S, Wang W, Sappenfield W, & Couluris M. (2016) Sleep Duration Trajectories and Systemic Inflammation in Young Adults: Results from the National Longitudinal Study of Adolescent to Adult Health (Add Health). **American Public Health Association (APHA) annual conference (2016). Denver, Colorado**
- **Bakour C.** & Schwartz S. (2012). Obesity and Childhood Asthma. Does Breastfeeding Make a Difference? Analysis of data from the 2007-2008 NHANES. **USF health research day (2012)**

#### **Selected poster presentations**

- Oberne A, Percoraro J, Bakour C, Mehmood A. Mask wearing and social distancing in Tampa, Florida and California – a comparative observational study. **American Public Health Association (APHA) annual meeting and expo**. November 6-9, 2022. Boston, MA.
- **Bakour C**, Desch J, Mansuri F, Schwartz SW. Adverse childhood experiences and sleep quality in adulthood. **SLEEP 2021, the 35th Annual Meeting of the Associated Professional Sleep Societies, LLC (APSS)**. June 2021
- **Bakour C**, Desch J, Mansuri F, Schwartz SW. Adverse childhood experiences and trajectories of insomnia symptoms from adolescence to adulthood. **Society for Epidemiologic Research annual meeting** June 2021
- Cohen NJ\*, Boddupalli S, Unnasch T, Walz S, Coris E, **Bakour C**, Alman A, Sneed K. Assessing the Effect of the Covid-19 Pandemic on College Athletes. *Medicine and Science in Sports and Exercise. 53 (8). Page 302-303. Supplement S. Meeting Abstract 918. August 2021*
- Tran D\*, Mansuri F, Schwartz SW, Desch J, **Bakour C**. Adverse Childhood Experiences and Systemic Inflammation in Adulthood. **American College of Epidemiology annual conference**. September 2021
- **Bakour C**, Johns-Rejano C, Nash M, Wilson R., Mansuri F, Buro A., Sappenfield W. Gender Differences in the Association of Different Types of Screen Time and Obesity in U.S. Adolescents. **Society for Epidemiologic Research annual meeting (2019)**. Minneapolis, MN.
- Mansuri F\*, Nash M, **Bakour C**, Kip K (2019, June 18). Association between Adverse Childhood Experiences (ACEs) and Headaches among Children Aged 3-17 Years using the

National Survey of Children's Health, 2016 and 2017. **Society for Epidemiologic Research annual meeting (2019)**. Minneapolis, MN.

- **Bakour C**, Schwartz S, O'Rourke K, Wang W, Chen H, Sappenfield W, & Couluris M. (2016) Sleep Duration Trajectories and Asthma from Adolescence to Young Adulthood. **American Public Health Association (APHA) annual conference (2016)**. Denver, Colorado
- **Bakour C**, Schwartz S, O'Rourke K, Wang W, Sappenfield W, & Couluris M. (2016) Sleep Duration and the Risk of Asthma from Adolescence to Young Adulthood. **USF Graduate Research Symposium**.
- **Bakour C**, Schwartz S, O'Rourke K, Wang W, Sappenfield W, & Couluris M. (2016) Sleep Duration and Asthma in Adolescents and Young Adults. **USF Health Research Day**
- **Bakour, C**, O'Rourke, K, Schwartz, S, Sappenfield, W, Wang W & Couluris, M (2015) Sleep Duration, Obesity, and Asthma in Florida High School Students: Analysis of the Florida Youth Risk Behavior Survey (2009-2013). **American College of Epidemiology 2015 Annual Scientific Meeting**. Atlanta, GA. September 2015. *Annals of Epidemiology, Volume 25, Issue 9, 715*.
- **Bakour, C**; O'Rourke, K; Schwartz, S; Sappenfield, W; Wang W & Couluris, M (2015). Association between Sleep Duration and Asthma in Florida Youth: BMI as an Effect Modifier. Presented at: **Florida Public Health Association Annual Education Conference**. Orlando, Florida. August 2015. Primary Presenter.
- **Bakour, C** & Schwartz, S (2012). Obesity and Childhood Asthma. Does Breastfeeding Make a Difference? Analysis of data from the 2007-2008 NHANES. Presented at: **The Academy Health Annual Research Meeting**, Orlando, Florida. June 2012. Primary presenter at the main session and at the child health interest group meeting.

\*Student

## **GRANTS**

### **Funded:**

- Mediators of the association between Adverse Childhood Experiences (ACEs) and systemic inflammation in young adults. USF College of Public Health internal award (2019-2020). Amount: \$19,858. Role: Primary Investigator
- Prevalence and correlates of SARS-COV2 infection among USF athletes. USF Foundation grant (2020). Amount: \$25,000. Role: Co-PI

### **Applied but not funded:**

- Parental Adverse Childhood Experiences and Developmental Outcomes in Offspring. (NIH R03 grant). Role: Co-PI
- Predictors of prescription pain reliever misuse in young adults. Role of sleep and physical activity in adolescence. 2019 USF New Researcher Grant. Role: PI

- Development of a Survey Tool and Laboratory Methodologies for Clinical Correlates of Inflammation and Oxidative Stress for use in Substance Abuse Treatment Population. 2018 USF COPH Interdisciplinary Team Award Role: Co-PI
- Impact of interventions and process of care measures on outcomes in veterans with COPD, within clusters of comorbidities: A feasibility study. 2017 USF New Researcher Grant. Role: PI

### **RESEARCH INTERESTS**

- Sleep epidemiology
- Adverse Childhood Experiences
- Adolescent and young adult health
- Chronic diseases
- Maternal and child health
- Cognitive aging

### **TEACHING EXPERIENCE**

#### **Assistant Professor – University of South Florida**

- Epidemiology Methods II (PHC 6011). Every Fall and Spring (2017- )
- Epidemiology Methods I (PHC 6010). Every Fall (2017- )
- Practical Issues in Epidemiology (PHC 7045). Summer 2021, Summer 2023
- Cancer Epidemiology (PHC 6007). Every Summer and Spring (2019-)
- Epidemiology of Alzheimer’s Disease (PHC 6934). Spring 2017, Spring 2019
- Reproductive and Perinatal Epidemiology (PHC 6591). Summer 2019
- Epidemiology of Infectious Diseases (PHC 6002). Fall 2019
- Introduction to epidemiology (PHC 4030). Summer 2020, Summer 2022, Fall 2022, Summer 2023 (instructor), Fall 2019- current (supervisor)

#### **Adjunct Instructor – University of South Florida**

- Introduction to Epidemiology (PHC 4030). Fall 2016
- Epidemiology Methods II (PHC 6011). Fall 2016

#### **Graduate Teaching Assistant:**

- Introduction to Epidemiology (PHC 4030). Fall 2015 (instructor of record)
- Computer Application for Public Health Researchers: Spring 2014, & Summer 2014
- Pop Culture Vices & Epidemiology: Spring 2013.
- Epidemiology Methods I: Spring 2012.
- Epidemiology 6000: Fall 2010, Spring 2011, Summer 2011, Fall 2011, Fall 2013.

- Epidemiology Methods II: Fall 2011.

### **GUEST OR INVITED LECTURES**

- **Introduction to Clinical Trials.** USF Morsani College of Medicine. OB/GYN and maternal fetal medicine fellows, research bootcamp. October 2021
- **Epidemiology of Opioid Misuse:** Topics in Pharmacoepidemiology. USF COPH. Spring 2020, Spring 2021
- **Measures of Risk & Presence of Disease:** One lecture every Fall semester (2016 -). Jacksonville University, Brooks Rehabilitation College of Healthcare Sciences, School of Orthodontics. Master's program.

### **COMMITTEE MEMBERSHIP & MENTORSHIP**

#### **Doctoral Students**

- Amr Ebied (PhD student). Role: Co-Major professor
- Lisa Hund (DrPh student). Role: Major professor
- Jordan Creed (Phd candidate). Role: Committee member
- Jonathan Clapp (PhD candidate). Comparing methods for analyzing longitudinal changes in age-related cognitive function. Role: Co-major professor
- Jill Desch (PhD candidate). Adverse childhood experiences and chronic stress in adulthood: the moderating role of psychological resilience examined using a life course epidemiology approach. In progress. Role: Co-major professor
- Radhika Avadhani, DrPh. Risk factors associated with post-stroke depression and cognition in spontaneous intracerebral hemorrhage: a meta-analysis. Role: Major professor
- Jesse Belle, PhD. Characterizing and Explaining Prevalence and Factors Associated with Non-Fatal Opioid Overdose in Florida. Graduated May 2022. Role : Committee member.
- Malinee Neelamegam, PhD. Effects of Medications with Anticholinergic Properties and Opioids on Cognitive Function and Neural Volumetric Changes in Elderly Australians. Dissertation for PhD in public health - epidemiology. College of Public Health, University of South Florida. Graduated May 2019. Role: Committee member

#### **Theses for the Master of Science degree**

- Patricia Rodriguez de Gil. MSPH in Biostatistics. In progress. Role: Co-major professor
- Dieu Tran. MSPH in Epidemiology. In progress. Role: Committee member
- Sarah Powel. MSPH in Epidemiology. Thesis title: A Review of American College Campus Tobacco or Smoke Free Policies: A Case Study of a Large Urban University. Graduated December 2020. Role: Committee member



### **Special projects/Integrated Learning Experience projects for the Master of Public Health degree in epidemiology (Faculty mentor)**

- 2023 (10): Tahsin Saiyara, Chinwendu Ilonzo, Janna Bastardo Acosta, Giovan Lucas, Edmund Zhang, Ashley Oats, Steffany Funes, Daniella Curtis, Suryanshi Singh, Maria Bernal Leon.
- 2022 (6): Grace Chai, Alexis Diblanda, Jennie Wong, Sayf Altabaqshali, Naomi Hays, Cayley Rice
- 2021 (18): Stephanie Kjelstrom, Travonia Hughes, Hayley Kmetz, Kadija Nathan, Zoe Pointers, Nicole Yazbek, Erin Hitchingham, Kori Conklin, Alison Colyer, Samantha Boddupalli, Stephen Marlin, Jeremy Adams, Leah Deschler, Elta Charles, Christopher Jalicki, Bryce Applewhite, Stephanie Hogue, Rutvij Padhiar.
- 2020 (16): Jodie-Ann Clark, Andrea Combrink, Rachael Birn, Kaylee Browne, Eliza Carroll, Si Ning Chan, Christina Ferracci, Abigail Marrero, Michelle Slawinski, Stephanie Hayden, Cortnie Motes, Ashley Alcala, Abigail Boeckman, Melody Kitchen, Kim Renfro, Brian Richardson
- 2019 (11): Deanna Fink, Lesa Delancy, Lynn Fischer, Megan Mackiewicz, Derek Erickson, Stephanie Tsang Mui Chung, Melissa Pike, Brian Windle, Christina Paul, Julia Kelly, Corrin Powell
- 2018 (1): Leslie McLaughlin

### **Undergraduate honors theses (chair):**

- Dean Hasan & Moaz Tabbaa (2019)
- Malik Bourghli (2019)
- Mohammad Mustafa (2020)

### **PROFESSIONAL SERVICE ACTIVITIES**

- Member of the USF faculty senate (2023-2026)
- Member of the USF Council on Educational Policy and Issues (CEPI) (2021-2024)
- Member of the scientific review committee, Sleep Research Society (2021-2024)
- Member of the publication committee, American College of Epidemiology (ACE, 2024- )
- Member of the awards committee, American College of Epidemiology (ACE, 2024- )
- Member of the education committee, USF College of Public Health (2019- )
- Member of the faculty affairs committee, USF College of Public Health (2018-2019)
- Oral abstract session chair, Society for Epidemiologic Research (SER) annual meeting (2024)
- Textbook chapter reviewer: Fundamentals of Epidemiology (Book proposal and chapters 2&3). Springer Publishing Company- Demos Medical Publishing (2021)
- Grant reviewer:
  - USF College of Nursing Dean's Grant (2021)

- Sleep Research Society - career awards (2021-2024)
- Manuscript reviewer (2017- ). Journals:
  - Nature Mental Health
  - PLOS one
  - American Journal of Preventive Medicine
  - JAMA Network open
  - Journal of Adolescent Health
  - American Journal of Nephrology
  - Behavioral Medicine
  - Journal of Sleep Medicine
  - Sleep and Breathing
  - Annals of Epidemiology
  - Behavioral Sleep Medicine
  - BMJ open
  - American Journal of Hypertension
  - Paediatric and Perinatal Epidemiology
  - Pediatric Allergy, Immunology, and Pulmonology
  - Public Health Reports
  - Internal Medicine Journal
  - Journal of Health Psychology
  - Clinical & Experimental Allergy
  - Journal of Gerontology: Medical Sciences
  - BMC Public Health
  - Cyberpsychology, Behavior, and Social Networking
  - Women's Health
  - Preventing Chronic Diseases
  - Journal of Neurology, Neurosurgery & Psychiatry
  - Psychiatric Investigation
  - Child Abuse and Neglect
  - PLOS Global Health
- Poster judge: USF Health Research Day (annually, 2017 -2024)
- Reviewer: Charles Mahan Best Student Paper in MCH (2022, 2024). The Chiles Center, USF
- Reviewer: Florida Public Health Outstanding Woman of the Year (2020, 2022-2024). USF College of Public Health
- Abstract reviewer:
  - American Public Health Association annual meeting (2016, 2017)
  - American College of Epidemiology annual meeting (2019)
  - Society for Epidemiologic Research annual meeting (2021, 2022, 2024)

- Research methods lectures for medical students and residents in Syria (2019, 2021)
- Member of the Global Response Committee, Syrian American Medical Society (2017-2019)
- Facilitator: University of South Florida Undergraduate Research Colloquium (2016-2019).
- Organizer and moderator: Epidemiology and Biostatistics Journal Club. University of South Florida, College of Public Health. (2013-2015)

### **COMMUNITY SERVICE ACTIVITIES**

- Panelist: Beyond the Stethoscope: Diverse Perspectives in Healthcare. Pre-Health Association of Minority Students (PHAMS). University of South Florida. 02/24/2024
- Covid-19 education:
  - Online vaccine education session with Arabic-speaking refugees and immigrants in the Tampa Bay area (02/25/2021).
  - Vaccine education and Q&A during a back-to-school event for refugees in Tampa (08/07/2021)
  - Covid-19 educational videos in Arabic, posted online (06/19/2021)
  - Covid-19 facts and misconceptions (Arabic, live in a large Facebook group, 2020)
  - COPH Facebook live: Masks for prevention of Covid-19 (2020)
- Health education lectures for refugee women in Tampa, Florida (2018): Family planning, women's health, and child health.
- Panelist: University of Florida Diversity Day (2018): Refugee health and the work of the Syrian American Medical Society.
- Lecture: Health News in the Media. November 2015. Healthy Lifestyle Conference. Hernando County, FL.
- Speaker: Universal Academy of Florida, high school career fair (2019)

### **PROFESSIONAL MEMBERSHIP AND AFFILIATIONS**

- Fellow of the Chiles Center for Healthy Mothers and Babies (2019- )
- Sleep Research Society (2020- )
- Society for Epidemiologic Research (2019- )
- International Epidemiology Association (2019-)
- Sigma Xi, the scientific research honor society (2019- )
- American College of Epidemiology (2015-)
- Florida Public Health Association (2015-)
- American Public Health Association (2010-)
- Syrian American Medical Society (2016-)
- American Academy of Sleep Medicine (2015-2016)
- Epidemiology and Biostatics Student Association at USF (2013 - 2014): Vice President of Public Relations; (2013 -2016: Member)

## **PROFESSIONAL DEVELOPMENT**

- Teaching with artificial intelligence. Online course offered by the Biggio center for the enhancement of teaching & learning at Auburn University (2023-2024)
- Introduction to parametric and non-parametric estimators for causal inference. Society for Epidemiologic Research, virtual workshop (May 2022)
- Causal mediation analysis. Society for Epidemiologic Research, virtual workshop (May, 2022)
- USF course design institute: December 13-17, 2021
- DEI Foundations: Implicit Bias in Higher Education. Academic Impressions (2021)
- Anti-Racism in Higher Education: Ensuring It's a Movement, Not Just a Moment. Academic Impressions (2021)
- SAS Macro Language (2021)
- Causal Diagrams: Draw Your Assumptions Before Your Conclusions. Harvard University course via edX (2020-2021).
- USF summer grant writing workshop (2020)
- Longitudinal Data Analysis Using Discrete and Continuous Responses (Online workshop). 2020
- Critical review and preparation of manuscripts reporting epidemiologic findings- SER pre-conference workshop. 2019
- E-values, Unmeasured Confounding, Measurement Error, and Selection Bias- SER pre-conference workshop. 2019
- An introduction to directed acyclic graphs: What you never wanted but needed to know about bias and didn't even know to ask. SER pre-conference workshop. (2019)
- Mental Health First Aid (2019)
- Independent Applying the QM Rubric (APPQMR) (2018)
- USF Health writing workshop (2018)
- USF Summer Teaching Symposium (2018)
- USF Academy for Teaching and Learning Excellence (ATLE) workshops: First Fridays, Teaching Circle. Multiple workshops (2017 - )
- Online Instructor Certificate (2017)

## **SKILLS**

- Microsoft Office: Word, Excel, PowerPoint, Publisher, Access
- Articulate Storyline
- Statistical software: SAS (proficient), S-Plus; SPSS; R (basic)
- Foreign languages: Arabic (native)