

**CURRICULUM VITAE
SAIRA KHAN, PhD, MPH**

October 5, 2020

PERSONAL INFORMATION

WORK ADDRESS:

University of Delaware Tower at STAR
College of Health Sciences
Epidemiology Program
100 Discovery Blvd., 7th floor
Newark, DE 19713

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EDUCATION

August 2016-June 2019

Postdoctoral Research Scholar in Cancer Prevention and Control

WASHINGTON UNIVERSITY in ST. LOUIS
SCHOOL of MEDICINE
DEPARTMENT OF SURGERY
DIVISION of PUBLIC HEALTH SCIENCES
St. Louis, MO

August 2011- May 2016

Ph.D. in Epidemiology: May 2016

UNIVERSITY OF NORTH CAROLINA-CHAPEL HILL (UNC)
GILLINGS SCHOOL of GLOBAL PUBLIC HEALTH
DEPARTMENT of EPIDEMIOLOGY
Chapel Hill, NC

Dissertation: “Diabetes and Prostate Cancer Aggressiveness at
Diagnosis and Progression in White Americans and Black Americans
from the North Carolina-Louisiana Prostate Cancer Project (PCaP)”

September 2006-June 2008

M.P.H., Concentration in Epidemiology: June 2008

DREXEL UNIVERSITY SCHOOL of PUBLIC HEALTH
DEPARTMENT of EPIDEMIOLOGY and BIostatISTICS
Philadelphia, PA

August 2000-May 2004

**B.S. in Biology with a specialization in Biomedical Sciences, Minor in
Chemistry, *Summa Cum Laude*: May 2004**

SOUTHEAST MISSOURI STATE UNIVERSITY (SEMO)
COLLEGE of SCIENCE and MATHEMATICS
DEPARTMENT of BIOLOGY
Cape Girardeau, MO

RESEARCH INTERESTS

Cancer epidemiology, cancer outcomes, cancer disparities, prostate cancer

RESEARCH and PROFESSIONAL EXPERIENCE

July 2019-Present	Assistant Professor in Epidemiology UNIVERSITY OF DELAWARE COLLEGE OF HEALTH SCIENCES EPIDEMIOLOGY PROGRAM <i>Newark, DE</i>
August 2016-June 2019	Postdoctoral Research Scholar WASHINGTON UNIVERSITY SCHOOL of MEDICINE DIVISION of PUBLIC HEALTH SCIENCES <i>St. Louis, MO</i>
August 2013-May 2016	Graduate Research Assistant GLAXO SMITH KLINE <i>Research Triangle Park, NC</i>
August 2011-August 2013	Graduate Research Assistant/Training Grant Research UNC LINEBERGER COMPREHENSIVE CANCER CENTER INTEGRATED CANCER INFORMATION and SURVEILLANCE SYSTEM <i>Carrboro, NC</i>
August 2008- June 2011	Clinical Research Assistant II CHILDREN'S HOSPITAL of PHILADELPHIA <i>Philadelphia, PA</i>
September 2007-June 2008	Community Based Masters Project (Master's Thesis) CHILDREN'S HOSPITAL of PHILADELPHIA <i>Philadelphia, PA</i>
July 2007 -September 2007	Research Intern CAPE GIRARDEAU COUNTY PUBLIC HEALTH DEPARTMENT <i>Cape Girardeau, MO</i>
November 2006-June 2007	Master's Practicum PHILADELPHIA DEPARTMENT of PUBLIC HEALTH <i>Philadelphia, PA</i>

AWARDS and HONORS

SELECTED TO ATTEND

- September 2020 **“NIH Proposal Academy”**
UNIVERSITY OF DELAWARE
September 2020- June 2021
Newark, DE
- October 2019 **“Faculty Success Bootcamp 2020”**
NATIONAL CENTER for FACULTY DEVELOPMENT and
DIVERSITY
• Received Award from University of Delaware Vice Provost for
Diversity to attend
Spring 2020
- August 2017 **“Health Disparities Research Institute”**
NATIONAL INSTITUTE on MINORITY HEALTH and
DISPARITIES (NIMHD):
August 14-August 18, 2017
Bethesda, MD
- June 2017 **“Navigate Your Way to a K Award”**
GEOGRAPHIC MANAGEMENT of CANCER HEALTH
DISPARITIES PROGRAM (GMAP) REGION 2:
Moffitt Cancer Center
June 15-June 17, 2017
Tampa, FL
- March 2017 **“New Investigator Workshop”**
AMERICAN SOCIETY of PREVENTIVE ONCOLOGY
March 12, 2017
Seattle, WA

TRAINING GRANT

- August 2016-July 2018 **NCI T32 Cancer Prevention and Control Training Grant
Appointment, postdoctoral (PI, Colditz)**
WASHINGTON UNIVERSITY SCHOOL of MEDICINE
St. Louis, MO
- August 2011- August 2012 **NCI T32 Cancer Epidemiology Training Grant Appointment,
predoctoral (PI, Olshan)**
UNIVERSITY of NORTH CAROLINA-CHAPEL HILL
Chapel Hill, NC

OTHER HONORS

- June 2006-June 2008 Drexel University Dean’s Award Recipient
- June 2008 Member Hygeia Society, awarded to students achieving the highest
graduations, Drexel University School of Public Health
- May 2004 Phi Kappa Phi, Academic Honor Society, Southeast Missouri State
University

May 2003, May 2004 Honor Student Award recipient for College of Science and Mathematics, Southeast Missouri State University: 2003 and 2004

August 2000-May 2004 Regent's Scholarship recipient, Southeast Missouri State University

August 2000-May 2004 Dean's List Southeast Missouri State University: Spring 2004, Fall 2003, Spring 2003, Spring 2002, Fall 2001, Fall 2000

RESEARCH SUPPORT

Role: PI

Duration: August 1, 2018 – July 31, 2021

PC170130 Department of Defense, Prostate Cancer Research Program Early Investigator Research Award

Title: Chemotherapeutic Potential of Metformin and Statins to Prevent Progression to Lethal Prostate Cancer

Total Award: \$254,299.00

Description: The primary objective of this study is to assess the chemotherapeutic potential of metformin and statins to prevent progression to lethal prostate cancer in a large, ethnically diverse cohort of Veterans diagnosed with prostate cancer. The study will assess whether using metformin and statins late in the disease course (i.e., after diagnosis with metastatic prostate cancer or after biochemical recurrence) can improve survival outcomes in men with prostate cancer.

PEER-REVIEWED PUBLICATIONS

Khan S., Lewis-Thames M, Han Y, Fuzzell L, Langston M, Justin X. Moore. A Comparative Analysis of Medical Record Utilization and Perception by Cancer Survivorship. *Medical Care*, 2020. [E-pub ahead of print]. PMID: 32925466

Han, Y., Langston, M., Fuzzell, L., **Khan, S.**, Lewis-Thames, M.W., Colditz, G.A., Moore, J.X. Breast cancer mortality hot spots among Black women with de novo metastatic breast cancer. *JNCI Cancer Spectrum*, 2020 [E-pub ahead of print].

Moore, J., Carter S.J., Williams, V., **Khan, S.**, Lewis-Thames, M.W., Gilbert, K., and Howard, G. Physical health composite and risk of cancer mortality in the Reasons for Geographic and Racial Differences in Stroke Study. *Preventative Medicine*. 2020, 132, 105989. PMID: 31954141. PMCID: PMC7048236.

Lewis-Thames, M.W, Langston, E., Fuzzell, L, **Khan, S.**, Moore, J., Han, Y. Rural-urban differences in e-cigarette ever use, the perception of harm, and e-cigarette information seeking behaviors among U.S. adults in a nationally representative study. *Preventative Medicine*. 2020,130, 105898. PMID: 31760117. PMCID: PMC6945810.

Han, Y., Moore, J., Langston, M., Fuzzell, L., **Khan, S.**, Lewis, M., Colditz, G., and Liu Y. Do breast quadrants explain racial disparities in breast cancer outcomes? *Cancer Causes and Control*. 2019, 30, 1171-1182. PMID: 31456108. PMCID: PMC6924513.

Khan, S., Thakkar, S., and Drake, B. Smoking duration and intensity and risk of prostate cancer recurrence among former and current smokers with prostate cancer. *Annals of Epidemiology*. 2019, 38, 4-10. PMID: 31563295.PMCID: PMC6914316.

Langston, M., Horn, M., **Khan, S.**, Doering, L., Dennis, L.K., Sutcliffe, S. A systematic and meta-analysis of associations between clinical prostatitis and prostate cancer: new estimates accounting for detection bias. *Cancer, Epidemiology, Biomarkers, and Prevention*. 2019, 28, 1594-1603. PMID: 31337640. PMCID: PMC6774844.

Khan, S. Nepple, K.G., Kibel, A.S., Sandhu, G., Kallogjeri, D., Strope, S., Grubb III, R., Wolin, K., and Sutcliffe, S. The association of marital status and mortality among men with early-stage prostate cancer treated with radical prostatectomy: insight into post-prostatectomy survival strategies. *Cancer Causes and Control*. 2019, 30, 871-876. PMID: 31214808. PMCID: PMC6739072.

Langston, M., Fuzzel, L., Lewis, M., **Khan, S.**, and Moore, J. Disparities in health information seeking behaviors and fatalistic views of cancer by sexual orientation: A nationally representative study of US adults. *LGBT Health*. 2019, 6, 192-201 PMID: 31107153. PMCID: PMC6551968.

Khan, S., Cai, J., Nielsen, M., Troester, M., Mohler, J., Fontham, E., Farnan, L., Drake, B., Olshan, A., and Bensen, J. The association of metformin use with prostate cancer aggressiveness among Black and White Americans in a population-based study. *Cancer Causes and Control*. 2018, 29, 1143-1150. PMID: 30267174. PMCID: PMC6275149.

Khan, S., Hicks, V., Rancilio, D., Langston, M., Richardson, K., and Drake, B. Predictors of follow-up visits post radical prostatectomy. *American Journal of Men's Health*. 2018, 12, 760-765. PMID: 29540091 PMCID: PMC6131455.

Khan, S., Hicks, V., Colditz, G., Kibel, A., and Drake, B. The association of weight change in young adulthood and smoking status with risk of prostate cancer recurrence. *International Journal of Cancer*. 2018, 142, 2011-2018. PMID: 29270988 PMCID: PMC5867243.

Khan, S., Cai, J., Nielsen, M., Troester, M., Mohler, J., Fontham, E., Hendrix, L., Farnan, L., Olshan, A., and Bensen, J. The association of diabetes and obesity with prostate cancer progression: HCAP-NC. *The Prostate*. 2017, 77, 878-887. PMID: 28261834 PMCID: PMC5695861.

Khan, S., Cai, J., Nielsen, M., Troester, M., Mohler, J., Fontham, E., Hendrix, L., Farnan, L., Olshan, A., and Bensen, J. The association of diabetes and obesity with prostate cancer aggressiveness among Black Americans and White Americans in a population-based study. *Cancer, Causes, and Control*. 2016, 27, 1475-1485. PMID: 27830399 PMCID: PMC5139913.

Fiks, A., Zhang, P., Localio, R., **Khan, S.**, Grundmeier, R., Karavite, D., Bailey, C., Alessandini, E., and Forrest, C. Adoption of electronic medical record-based decision support for otitis media in children. *Health Services Research*. 2015, 50, 489-512. PMID: 25287670 PMCID: PMC4369219.

Fiks, A., Alessandrini, E., Forrest, C., **Khan, S.**, Localio, A., and Gerber, A. Electronic medical record use in pediatric primary care. *Journal of the American Medical Informatics Association*. 2011, 18, 38-44. PMID: 21134975 PMCID: PMC3005866.

Khan, S., Evans, A., Rorke-Adams, L., Orjuela, M., Shiminski-Maher, T., and Bunin, G. Head injury, diagnostic X-rays, and risk of medulloblastoma and primitive neuroectodermal tumor: a Children's Oncology Group study. *Cancer Causes and Control*. 2010, 21, 1017-1023. PMID: 20217209 PMCID: PMC3023159.

Ali, M., Greene, S., Wiggin, C., and **Khan, S.** Oxidative cleavage of oximes with silica gel supported chromic acid in non-aqueous media. *Synthetic Communications*. 2006, 36, 1761-1767.

OTHER PUBLICATIONS

Khan, S., Hardikar, S., Reeves, K., Wetter, D.W., Burton-Chase, A. Strategies for Success: Landing Your First Academic Position and Navigating the Early Years - A Report from the American Society of Preventive Oncology's Early Career Investigator Special Interest Group. *Cancer, Epidemiology, Biomarkers and Prevention*. In Press.

Robbins, J. and **Khan, S.** Taking Philadelphia's temperature: health indicators for healthy Philadelphia 2010. Philadelphia Department of Public Health, 2008.

Khan, S. Cape Girardeau County community health assessment. Cape Girardeau County Public Health Department, 2007.

ABSTRACTS and POSTERS

Khan S., Lewis-Thames MW, Han Y, Fuzzel L, Langston ME, Moore JX. Utilization and Perception of Medical Records - A Comparative Analysis Based on Cancer Survivorship. *American Society of Preventative Oncology Annual Meeting, March 2020. (Virtual Meeting due to COVID-19)*.

Khan S. and Drake B. Post-diagnostic statin and metformin use and risk of biochemical recurrence risk among Black and White men diagnosed with prostate cancer at the Veteran's Health Administration. *American Association for Cancer Research (AACR) Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, San Francisco, CA, September 20-23, 2019.*

Khan S., Hicks V., and Drake B. Post-diagnostic metformin and statin use and mortality among Black and White men diagnosed with prostate cancer at the Veteran's Health Administration. *American Society of Preventative Oncology, Tampa, Tampa, FL, March 10-12, 2019.*

Khan, S., Hicks V., and Drake, B. Definitive treatment and risk of death among men diagnosed with metastatic prostate cancer at the Veteran's Health Administration. *American Society of Preventative Oncology, New York, NY, March 10-13, 2018.*

Langston, M., Horn, M., **Khan, S.**, Pakpahan, R., Dennis, L., and Sucliffe, S. Clinical prostatitis and prostate cancer: a meta-analysis evaluating the influence of detection bias. *American Society of Preventative Oncology, New York, NY, March 10-13, 2018.*

Khan, S., Hicks V., and Drake, B. Definitive treatment among men diagnosed with metastatic prostate cancer at the Veteran's Health Administration. *Washington University Institute of Public Health Annual Conference, St. Louis, MO, September 27, 2017.*

Khan, S. and Drake, B. Smoking duration and intensity and risk of prostate cancer recurrence among smokers with prostate cancer. *American Society of Preventative Oncology, Seattle, WA. March 11-14, 2017.*

Fiks, A., Gerber, A., **Khan S.**, Lofland, J., Forrest, C., and Alessandrini, A. Impact of clinician computer skill on pediatric primary care acute visits conducted with electronic health records (EHRs). *Eastern Society of Pediatric Oncology, Philadelphia, PA, March 13-15, 2009.*
Region II/III Academic Pediatric Association, Philadelphia, PA, March 27, 2009.

Fiks, A., Zhang, P., Localio, R., **Khan, S.**, Grundmeier, R., Karavite, D., Bailey C., Alessandrini, E., and Forrest, C. Adoption of electronic medical record-based decision support for otitis media in children. *Pediatric Academic Society Meeting, Vancouver, BC, Canada. May 3-6, 2014.*

Forrest, C., Fiks, A., Alessandrini, E., Grundmeier, R., **Khan, S.**, Localio, R., and Bailey, C. Improving the quality of otitis media care with EHR-based clinical decision support and performance feedback: a cluster randomized controlled trial. *Selected as the Abstract of the Year for the 2011 Academy Health Meeting, Seattle, WA.* June 12-14, 2011.

Fiks, A., Gerber, A., **Khan, S.**, Lofland, J., Forrest C., and Alessandrini, E. Impact of clinician computer skill on pediatric primary care acute visits conducted with electronic health records. *Pediatric Academic Society Annual Meeting, Baltimore, MD.* May 2-5, 2009.

Toney, J., **Khan S.**, Corcoran, A., Seabaugh, J., Hobbs, M., and Champine, J. Growth, pigmentation, and antibiotic resistance phenotypes of bacteria grown in the presence of lead. *American Society of Microbiology 104th General Meeting, New Orleans, LA.* May 23-27, 2004.

ORAL PRESENTATIONS

Impact of clinician computer skill on pediatric primary care acute visits conducted with electronic health records. *Eastern Society of Pediatric Research Meeting, Philadelphia, PA,* March 14, 2009.

INVITED LECTURE

Elucidating modifiable risk factors for adverse prostate cancer outcomes and strategies for improving survival. *ACCEL Innovative Discoveries Series, Christiana Hospital, Newark, DE, January 24, 2020*

TEACHING

Spring 2020

Instructor, Epidemiology Methods II (EPID 610)
UNIVERSITY of DELAWARE COLLEGE of HEALTH SCIENCES
EPIDEMIOLOGY PROGRAM
Newark, DE

- Developed this new course for the Epidemiology Program at the University. Required core methods course for epidemiology MPH doctoral students.

Fall 2020, Fall 2019

Instructor, Cancer Epidemiology (EPID 667)
UNIVERSITY of DELAWARE COLLEGE of HEALTH SCIENCES
EPIDEMIOLOGY PROGRAM
Newark, DE

- Developed this new course for the Epidemiology Program at the University of Delaware. Required elective for epidemiology doctoral students.

Fall 2018

Co-Instructor, Intermediate Clinical Epidemiology (MI9-502)
WASHINGTON UNIVERSITY SCHOOL of MEDICINE
DIVISION of PUBLIC HEALTH SCIENCES
St. Louis, MO

- Core course for Master of Public Health Sciences, designed for medical students, physicians, and students with clinical doctorates

- Fall 2016, Fall 2017 **Teaching Assistant, Introductory Clinical Epidemiology (M19-501)**
 WASHINGTON UNIVERSITY SCHOOL of MEDICINE
 DIVISION of PUBLIC HEALTH SCIENCES
St. Louis, MO
 • Core course for Master of Public Health Sciences
- Spring 2014 **Teaching Assistant, Principles of Epidemiology (EPID 600)**
 UNIVERSITY OF NORTH CAROLINA-CHAPEL HILL
 DEPARTMENT of EPIDEMIOLOGY
Chapel Hill, NC
 • Introductory epidemiology course for upper level undergraduates and graduate students
 • Responsible for leading lab portion of course
- SMALL GROUP FACILITATION***
- Fall 2018, Fall 2019 **Applied Epidemiology (M19-600)**
 WASHINGTON UNIVERSITY SCHOOL of MEDICINE
March 6, 2018, March 20, 2018, March 27, 2018, April 30, 2019
 • Critique student grants in a small group setting
- Fall 2017 **Practice of Medicine I**
 WASHINGTON UNIVERSITY SCHOOL of MEDICINE
February 20, 2017 and February 27, 2018
 • Moderated student debates on current public health topics
- Fall 2013 **Cancer Epidemiology and Pathogenesis (EPID 770)**
 UNIVERSITY of NORTH CAROLINA-CHAPEL HILL
April 16, 2013
Chapel Hill, NC
 • Co-facilitated class discussion of conflicting articles at request of instructor
- GUEST LECTURER***
- Fall 2017 **“Causal Inference”, Introductory Clinical Epidemiology (MI9-501)**
 WASHINGTON UNIVERSITY SCHOOL of MEDICINE
September 14, 2017
St. Louis, MO
- Fall 2017, Fall 2016 **“Standardization”, Introductory Clinical Epidemiology (MI9-501)**
 WASHINGTON UNIVERSITY SCHOOL of MEDICINE
September 7, 2017 and September 8, 2016
St. Louis, MO
- Fall 2016 **“Confounding”, Intermediate Clinical Epidemiology (MI9-502)**
 WASHINGTON UNIVERSITY SCHOOL of MEDICINE
October 25, 2016
St. Louis, MO

Fall 2013

Cancer Epidemiology and Pathogenesis (EPID 770)
UNIVERSITY of NORTH CAROLINA–CHAPEL HILL
April 16, 2013
Chapel Hill, NC

- Co-facilitated class discussion of conflicting articles at request of instructor

PROFESSIONAL SERVICE

- Organizing Committee, American Society of Preventative Oncology 44th Annual Meeting, March 29 2021 – April 1, 2021
- Co-chair, Junior Members Career Development Session, American Society of Preventative Oncology 43rd Annual Meeting, May 27, 2020 (re-scheduled as webinar).
- University of Delaware Search Committee for open faculty position in Epidemiology Program (Spring 2020)
- Student Recruitment, American Public Health Association (APHA) Annual Meeting, November 2-6, 2019
- Dornsife School of Public Health (Drexel) Alumni Mentoring Program, October 2019-March 2019
- Co-chair, Junior Members Career Development Session, American Society of Preventative Oncology 43rd Annual Meeting, March 10, 2019
- Symposium Discussant, 13th Annual Research Training Symposium and Poster Session, Washington University School of Medicine, October 2, 2018
- Washington University Health Happenings Fair, Washington University School of Medicine, February 13, 2018
- Symposium Discussant, 12th Annual Research Training Symposium and Poster Session, Washington University School of Medicine, October 12, 2017
- “Know Your Disease Risk Assessment” Booth, Day of Play, Siteman Cancer Center, September 16, 2017
- Team Epi-Aid, University of North Carolina-Chapel Hill, 2013

EDITORIAL RESPONSIBILITIES

- Ad Hoc Reviewer, *Prostate Cancer and Prostatic Disease*, 2020
- Ad Hoc Reviewer, *Preventive Medicine Reports*, 2020
- Ad Hoc Reviewer, *Epidemiology*, 2019
- Ad Hoc Reviewer, *Prostate Cancer and Prostatic Diseases*, 2018

- Ad Hoc Reviewer: *Cancer Management and Research*, 2018, 2019
- Ad Hoc Reviewer: *American Journal of Men's Health*, 2018
- Ad Hoc Reviewer: *Journal of Health Disparities Research and Practice*, 2018
- Ad Hoc Reviewer: *International Journal of Cancer*, 2017

MEMBERSHIPS

- American Society of Preventative Oncology
- Society for Epidemiologic Research
- American Association for Cancer Research