

Jennifer Pharr, PhD
Associate Professor
School of Public Health
University of Nevada, Las Vegas
Las Vegas, NV 89154
702-895-2006

12/15/2022

Dear Award Committee:

It is my pleasure to nominate **Dr. Kavita Batra, BDS, MPH, Ph.D., FRSPH**, Assistant Professor and Medical Research Biostatistician, Department of Medical Education and Office of Research within the Kirk Kerkorian School of Medicine at UNLV for **the Anne E. Nolte Writing Award-2023**. I am an Associate Professor of Public Health at the University of Nevada, Las Vegas. I have known Dr. Batra for six years, first through mentoring her as an MPH student in our program, then as a member of her dissertation committee, and now as a colleague. Dr. Batra graduated from UNLV in May 2020 and since then, she has published over **75 peer-reviewed articles** and has **nearly 650 citations** from her work. Dr. Batra's work is already making quite an impact on health education, which was the central piece especially during the COVID-19 pandemic.

I can say that Dr. Batra has advanced analytical skills, and her research works inform data-driven solutions. I would like to highlight the impact of Dr. Batra's past research works with some supporting examples. One of her studies "Investigating psychological impact of COVID-19 among healthcare workers: A meta-analysis" has been cited **over 200 times** since it was published on December 5, 2020 and is available at <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7730003/>. This meta-analysis provides **the most extensive evidence with a much bigger sample size of 79,437 healthcare workers** compared with previous reviews and meta-analyses. This study found the pooled prevalence of anxiety, depression, stress, post-traumatic stress syndrome, insomnia, psychological distress, and burnout, which was 34.4%, 31.8%, 40.3%, 11.4%, 27.8%, 46.1%, and 37.4% respectively. Additionally, higher anxiety and depression prevalence among females, nurses, and frontline responders than males, doctors, and second-line healthcare workers was reported. Through this investigation, Dr. Batra highlighted the need for designing targeted interventions to improve resilience and foster post-traumatic growth among frontline responders.

This meta-analysis is in the **top 10% of all research outputs** ever tracked by Altmetric. To add, Altmetric has tracked 22,694,633 research outputs across all sources so far. Compared to these, this paper has done particularly well and is in the **94th percentile**. Batra was a lead author and this work received attention from **reputed media outlets** including **Medscape, and the Conversation**.

Another study titled “Investigating psychological impact of COVID-19 among college students: A meta-analysis” that pooled evidence from 15 countries has been cited nearly 100 times since the time it was published in February 2021. Available at <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7923198/>. This paper has been recognized as one of the **top 20 cited papers** by the *Healthcare* journal and her works received several mentions in the media. This paper was selected as a **cover story** by the journal.

Through her work, she developed several theory-based tools to understand mask wearing, handwashing, COVID-19 vaccination behaviors and several others. She also developed a survey instrument to assess the compliance of dental surgeons towards the COVID-19 infection prevention guidelines in the dental operator. The findings presented in the above listed works provide the baseline data to develop targeted interventions to promote health education to reinforce protective behaviors.

In addition to Dr. Batra’s scholarly activities, she serves as the co-vice chair of the research seminar planning committee for the Office of Research and Director of Internal Medicine Residents’ Research. Dr. Batra provides research and statistical guidance to the school of medicine community, including faculty, residents, fellows, and students. As a Research Director, she leads all residents/fellows to conduct their research during their elected course to advance the mission of the department to promote research. Her role has a direct impact on advancing the mission of the institution-which is to perform a cutting-edge research to improve patient care. She is a leader as well as innovator in medical education research. For instance, as the Co-vice chair of the research seminar planning committee within the school, she plays a vital role in planning and conducting the research webinars. She delivers research content in several monthly interactive webinars and coordinate with potential speakers. Additionally, she has worked to award the school of medicine faculty continuing medical education (CME) credits for attending research webinars. These CME credits are required for the healthcare providers for their license continuation. Dr. Batra is the **President-elect of Delta Omega-Delta Theta Chapter at UNLV**, a Grad Alumni Ambassador, **a key member to the Sexual Misconduct Taskforce**, Nevada System of Higher Education, **a statewide secretary to the Nevada Public Health Association** and serve as an **editorial board member or academic editor** on several journals (e.g. *Annals of Epidemiology*, *Healthcare*, *Psychiatric Case Reports* and *Vaccines*).

Therefore, I enthusiastically recommend Dr. Batra for the **Anne E. Nolte Writing Award-2023**. If you have further questions, please do not hesitate to contact me.

Best regards,

Jenny Pharr

Jennifer Pharr, PhD

Email: Jennifer.pharr@unlv.edu

Curriculum Vitae
Kavita Batra
E-mail: Kavita.batra@unlv.edu

EDUCATION

Doctor of Philosophy (Ph.D.) in Public Health May 2020
University of Nevada, Las Vegas
Dissertation title: Assessing the health and financial burden of neonatal abstinence syndrome among all payer in-patient pediatric discharges in Nevada
GPA: 3.96

Master of Public Health May 2016
University of Nevada, Las Vegas GPA: 4.0
Thesis title: The National Diabetes Prevention Program: An intervention for diabetes risk reduction

Bachelor of Dental Surgery (BDS) 1998-2003
Bharati Vidyapeeth Dental College and Hospital, India GPA: 3.65

WORK EXPERIENCE

- October 2020- Present
Senior Biostatistician (promoted to Assistant Professor, February 1, 2022), Office of Research & Department of Medical Education, Kirk Kerkorian School of Medicine at UNLV, University of Nevada, Las Vegas
- September 2020- July 2022
Biostatistician III, Nevada Department of Health and Human Services, Office of Analytics, Carson City
- July 2018 – December 2020
Adjunct faculty (Online), Southern New Hampshire University
Courses taught: Undergraduate Epidemiology, Bio-concepts of Public Health, Biostatistics, and Fundamentals of Public Health
- August 2017 – December 2020
Part-time instructor, College of Southern Nevada
Courses taught: Anatomy and Physiology laboratories, Biology for majors and non-majors
- May 2016 - August 2017
Adjunct faculty, Arizona College School of Nursing (Las Vegas, Nevada)
Courses taught: Statistics
- May 2016 – August 2017
Adjunct faculty, Arizona College School of Nursing (Las Vegas, Nevada)
Courses taught: Anatomy and Physiology lectures and labs
- August 2016 – August 2017
Part-time instructor, University of Nevada, Las Vegas (UNLV)
Courses taught: Principles of Epidemiology
- January 2016 -June 2016
Research coordinator and data analyst, Nevada Orthopedic & Spine Center
- Spring 2016
Tutor for undergraduate students, UNLV
Courses taught: Biostatistics
- Jan 2015 – May 2016
Data analyst for the National Diabetes Prevention Program at UNLV (Part of MPH Thesis project)
- May 2015 – August 2015
Data analyst for The Foundation for Positively Kids Inc. (Unpaid Internship)
- July 2006 – Feb 2011
Dental Public Health Analyst & School Health Officer in the Haryana Commission Government Service (India)

- August 2002- June 2006
Tutor, Bharati Vidyapeeth Deemed University (India)
Courses taught: Anatomy & Physiology (General & Dental), Microbiology (General & Dental), Pathology

1:1 MENTORSHIP EXPERIENCE

- Department of Internal Medicine, Research Elective Block 6
(11/21/2022-12/18/2022)
Mentee: Dr. Vladislav Zhitny, Year 1, IM Resident
- Department of Internal Medicine, Research Elective Block 6
(11/21/2022-12/18/2022)
Mentee: Dr. Claire Chen, Year 2, IM Resident
- Department of Internal Medicine, Research Elective Block 5
(11/01/2022-11/21/2022)
Mentee: Dr. Katerina Roma, Year 3, IM Resident
- Department of Internal Medicine, Research Elective Block 4
(09/27/2022-10/24/2022)
Mentee: Dr. Christina Fanous, Year 3, IM Resident
- Department of Internal Medicine, Research Elective Block 4
(09/27/2022-10/10/2022)
Mentee: Dr. Ariyon Schneiber, Year 3, IM Resident
- Office of Research, School of Medicine, June 2021-present
Mentee: Justin Bauzon [MD Candidate 2022]
Research and Statistical Guidance
- Office of Research, School of Medicine, December 2020-present
Mentee: Tesfaye Yadete [MD Candidate 2022]
Research and Statistical Guidance
- Office of Research, School of Medicine, October 2020-February 2021
Mentee: Dr. Laura Crankshaw [Acute Care Surgery Fellow]
Research and Statistical Guidance
- Office of Research, School of Medicine, October 2020-February 2021
Mentee: Dr. Lindsay M. Kranker [Surgical Critical Care & Acute Care Surgery Fellow]
Research and Statistical Guidance
- Office of Research, School of Medicine, October 2020-January 2021
Mentee: Dr. Gabriela Doyle [General Surgery Resident]
Survey tool creation and adaptation mentoring
- Office of Research, School of Medicine, October 2020-January 2021
Mentee: Desiree Morris [Medical student]
Data analysis and data visualization mentoring
- Office of Research, School of Medicine, December 2020
Mentee: Damien Medrano [Medical student]
Poster creation and refinement of research question
- Office of Research, School of Medicine, October 2020
Mentee: Austin Keneddy [Medical student]
Development and refinement of research protocol
- Office of Research, School of Medicine, September 2020
Mentee: Dr. Hrishikesh Kulkarni [Pulmonary & Critical Care Medicine Fellow]

Refinement of research protocol

- Rebel Advantage Mentorship Program, 2019-2020
Mentee: Guadalupe Mercado [Undergraduate BS in Public Health]
Research and Statistical Guidance

DISSERTATION ADVISORY COMMITTEES

- Emylia Terry
Plan: Public Health, Ph.D.
Subplan: Global and Environmental Health
Committee Chair: Jennifer Pharr, Ph.D.
My role: Graduate College Representative
- Laurencia Bonsu
Plan: Public Health, Ph.D.
Subplan: Social and Behavioral Health
Committee Chair: Manoj Sharma, Ph.D.
My role: Graduate College Representative
- Sidath Kapukotuwa
Plan: Public Health, Ph.D.
Subplan: Social and Behavioral Health
Committee Chair: Manoj Sharma, Ph.D.
My role: Graduate College Representative
- Asma Tahir
Plan: Public Health, Ph.D.
Subplan: Global and Environmental Health
Committee Chair: Mark Buttner, Ph.D.
My role: Graduate College Representative

KNOWLEDGE AND SKILLS

- Statistical analysis experience: SPSS (7+ years); SAS (5+ years), STATA (3+ year), R programing (3+ years), Comprehensive Meta-Analysis Package (2+ years)
- Proficient in quantitative research (multilevel modelling, bootstrap, multivariate analysis, propensity matched analysis, ANOVA, Repeated measures ANOVA, Mixed models, Marginal models, t-tests, chi square, predictive models such as linear, logistic, ordinal regression, and hierarchical regression)
- Proficient in designing and validating surveys
- Proficient in Exploratory Factor Analysis, Confirmatory Factor Analysis and Structure Equation Modelling
- Knowledge of qualitative and mixed methods research
- Other computer skills: MS Access, MS Excel, MS PowerPoint, MS Word, Adobe Forms, Tableau, Epi info, Power Bi, MetaXL, XL Stat, Citation Management Tools (RefWorks, Mendeley, and Endnote)
- Proficient in teaching at the college level (experience 5+ years in United States; 4+ years in India)
- Proficient in computer-aided instruction through Learning Management Systems (Canvas, Brightspace and Web-campus) and web-based assessment platforms (MH connect and Wiley Plus)
- Data analysis (7+ years)
- Study designing skills including developing research questions, hypothesis generation and testing, and results interpretation (7+ years)
- Drafting of IRB protocols (7+ years)
- Ability to collect and analyze large data (e.g. Electronic health records, BRFSS Survey, hospital administrative data such as HCUP, Current Population Survey, National Trauma Data Bank)
- Oral health diagnosis and treatment (7+ years)

CERTIFICATIONS

- Certification in R-Programming (Coursera)
- CITI Certification: Human Research Subjects Protection

- Certification in conducting systematic reviews and metanalysis (Coursera)
- Certification in understanding clinical research: behind the statistics (Coursera)
- Certification in COVID-19 contact tracing (Coursera)
- Nevada Contact Tracing Basic Course (Making Healthy Happen)
- Certification in Excel skills for business specialization (Coursera)
- Certification in Fundamentals of visualizations with Tableau (Coursera)
- Certification in Essential design principles of Tableau (Coursera)
- Graduate Research Certification
- Graduate Mentorship Certificate
- Rebel Research and Mentorship Program (RAMP, 2019-2020)
- Research methods and Statistics: An Introduction (Udemy)
- Introduction to qualitative research methods (Udemy)
- Qualitative research methods-interviews (Udemy)
- How to analyze qualitative data (Udemy)
- From zero to NVivo 11- Qualitative data analysis with NVivo (Udemy)
- Qualitative data analysis using MAXQDA: Scratch to Advanced (Udemy)
- Analyzing Repeated Measures Data: ANOVA and Mixed Model Approaches (8 lecture sessions; The Analysis Factor Workshop, July 14th, 2021-September 16th, 2021)
- Principal Component Analysis and Exploratory Factor Analysis (4 lecture sessions; The Analysis Factor Workshop, July 15th, 2021-August 12th, 2021)
- Dashboard in a Day-Power BI: Pragmatic Works' Workshop on 03/02/2022

MEMBERSHIPS

- American Statistical Association
- American Public Health Association
- Association of State and Territorial Health Officials
- Graduate Professional Student Association (August 2017- May 2020)
- Nevada Public Health Association
- Delta Omega-Delta Theta Chapter at UNLV
- Society for Epidemiological Research
- Women in Medicine Group, UNLV SOM
- International Society of Global Health (ISoGH)
- Fellow, Royal Society for Public Health
- Global Burden of Disease (GBD) Collaborator Network, Institute for Health Metrics and Evaluation, University of Washington

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

GPSA representative [School of Public Health] University of Nevada, Las Vegas	2017-2020
GPSA Emergency Scholarship Committee	2017-2020
Graduate Awards' Committee, University of Nevada, Las Vegas	2017-2018
Academic Technology Committee, Arizona College, School of Nursing	2016-2017
Science Committee, Arizona College, School of Nursing	2016-2017
General Education Committee, Arizona College, School of Nursing	2016-2017
Development of Faculty Career Development Survey, School of Medicine, UNLV	2020-2021
Research Seminar Planning Committee, School of Medicine, UNLV	2020-
Member, Sexual Misconduct at Institutions of Higher Education Task Force	2021-2023
Statewide Secretary, Nevada Public Health Association Executive Board	2022-2023

TRAINING

HIPAA Training
 FERPA Training
 MH Connect Training
 Building a Supportive Community (Law-room training)
 Cyber Security Awareness Training

LEADERSHIP POSITIONS

- Supervisor in AIDS Awareness Campaign (India) Jan. 2009 – Jul. 2010
- Supervisor in Pulse Polio Program (India) Apr. 2006 - Dec. 2009
- Co-vice chair, Research Seminar Planning Committee, Office of Research, Kirk Kerkorian School of Medicine at UNLV Jan., 2021-Current
- Director of Residents' Research, Department of Internal Medicine, Kirk Kerkorian School of Medicine at UNLV Sept., 2022-Current
- President-elect, Delta Omega Theta Chapter at UNLV Nov., 2022-Dec., 2023

PROFESSIONAL SERVICE

- Served as a Judge, Preliminary rounds of the Grad Slam 3 Minutes Competition October 31, 2022
- Served as a judge for GPSA Research Forum, 2022 Mar 28-31, 2022
- Served as a Search Committee Chair for the Research Assistant position Feb., 2022
- Served as a Search Committee member for the Administrative Assistant position Jan., 2022
- Nevada Public Health Association Conference Planning Committee Jan., 2022-Aug. 2022
- Graduate Faculty Status with the Environmental and Occupational Health School of Public Health Nov. 2021-
- Built Nevada's Flu Vaccine Dashboard Oct.-Dec. 2020
- Built COVID-19 School Dashboard for the State of Nevada Nov. 2020-Jan. 2021
- Grad Alumni Ambassador, University of Nevada, Las Vegas 2020-2021
- Served as a judge in the 3 minutes Grad Slam Competition Nov. 2020
- Data collection for a Masks Use Survey Study, UNLV May 2020
- Remote Community COVID-19 Assistance Outreach Program May 2020
- Volunteer COVID-19 contact tracer for the State of Nevada May 2020
- Served as a judge in the Undergraduate Research Symposium, UNLV Spring, 2019
- Drafting a research protocol for the program (initiated by Positively Kids Inc.) targeting drug exposed infants in Nevada Nov. 2015
- Participation in Children Immunization Program, Fort Worth, Texas Aug. 2013

SCHOLARLY ASSIGNMENTS

- **Guest Editor for the *Healthcare* journal** 2021-present
Special issue: Integrative, Complementary and Alternative Medicine (CAM)
- **Guest Editor for the *Healthcare* journal** 2020-present
Special issue: COVID-19 Impact on Public Health and Healthcare
- **Guest Editor for the *Healthcare* journal** 2021-present
Special issue: The impact of Exercise on the Mental Health and QoL of people-First Edition
- **Guest Editor for the *Vaccines* journal** 2021-present
Special issue: COVID-19 Vaccine Hesitancy: Correlates and Interventions
- **Editorial Board Member for the *Journal of Health and Social Sciences*** 2022-
- **Guest Editor for the *Vaccines* journal** 2022-2023
Special issue: State of the art SARS-CoV-2 research in Europe and Asia
- **Topical Advisory Panel Member for the *Vaccines* journal** 2022-2024
- **Topical Advisory Panel Member for the *Healthcare* journal** 2022-2024
- **Topical Advisory Panel Member for the *Dentistry* journal** 2022-2024
- **Editorial Board Member for the *Psychiatric Research Case Reports*** 2022-2024
- **Editorial Board Member for the *Annals of Epidemiology*** 2022-2024
- **Guest Editor for the *Healthcare* journal** 2022-
Special issue: The impact of Exercise on the Mental Health and QoL of people-Second Edition
- Ad-hoc reviewer for *SAGE Open Medicine* journal 2020-present
- Ad-hoc reviewer for *Translational Psychiatry* journal 2020-present
- Ad-hoc reviewer for the *PLOS ONE* journal 2020-present
- Ad-hoc reviewer for the *European Respiratory* journal 2020-present
- Ad-hoc reviewer for *the Healthcare* journal 2020-present
- Ad-hoc reviewer for *Signa Vitae* Journal 2020-present

- Ad-hoc reviewer for *Journal of Hospital Management and Health Policy* 2020-present
- Ad-hoc reviewer for the *Journal of Health and Social Sciences* 2021-present
- Ad-hoc reviewer for the *BMC Health Services Research journal* 2021-present
- Ad-hoc reviewer for the *BMC Cancer* 2021-present
- Ad-hoc reviewer for the *F1000 Research* 2021-present
- Ad-hoc reviewer for the journal *Sustainability* 2021-present
- Ad-hoc reviewer for the journal *BMC Musculoskeletal* 2021-present
- Ad-hoc reviewer for the *BMC Public Health* 2021-present
- Ad-hoc reviewer for the *BMJ Open* 2021-present
- Ad-hoc reviewer for the *Scientific Reports* 2021-present
- Ad-hoc reviewer for the *BMC Psychiatry* 2021-present
- Ad-hoc reviewer for the *BMC Pregnancy and Childbirth* 2021-present
- Ad-hoc reviewer for the *American Journal of Infection Control* 2021-present
- Ad-hoc reviewer for the *Journal of Racial and Ethnic Disparities* 2021-present
- Ad-hoc reviewer for the *Frontiers in Public Health* 2022-present
- Ad-hoc reviewer for the *Cogent Psychology* 2022-present
- Ad-hoc reviewer for the *Psychology Research and Behavior Management* 2022-present
- Ad-hoc reviewer for the *BMC Medical Education* 2022-present
- Ad-hoc reviewer for the *Psychology Research and Behavioral Management* 2022-present
- Ad-hoc reviewer for the *Digital Health* 2022-present
- Ad-hoc reviewer for the *APHA Annual Meeting Abstracts* June, 2022
- Ad-hoc reviewer for the *Plos Global Public Health* June, 2022
- Ad-hoc reviewer for the *Health Psychology and Behavioral Medicine* June, 2022
- Ad-hoc reviewer for the *Advances in Public Health* September, 2022
- Ad-hoc reviewer for the *Discover Social Science and Health* September, 2022
- Ad-hoc reviewer for the *AIDS Education and Prevention-An Interdisciplinary Journal* September, 2022
- Ad-hoc reviewer for the *Annals of Epidemiology* November, 2022
- Ad-hoc reviewer for the *American Journal of Medicine-Open* November, 2022

GRANT ACTIVITIES

- UNLV Cares Act Funding 2020-2021
Funded by the School of Public Health
Role: Co-investigator and data analyst
- Traffic Database Linking Project (GR14544) Nov. 2021-Present
Funding agency: Nevada Office of Traffic Safety
Status: Approved/Funded
Role: Co-investigator and biostatistician
- STOP, Statistical Transparency of Policing Grant [GR15702] Jul. 2022-Sep. 2022
Funding agency: Nevada Office of Traffic Safety
Status: Approved/Funded
Role: Co-investigator and biostatistician
- An educational intervention for clinicians in Nevada to promote COVID-19 treatment guidelines
Submitted to Pfizer Mar., 31, 2022
Status: Submitted but not funded
Role: Co-Principal Investigator
- HOLDS Nevada Apr., 2022
Submitted to the Clark County, ARPA
Status: Pre-application approved and full application submitted April 2022 (Not funded)
Role: Principal Investigator
- UNLV-Kids Matter Health Insurance Outreach and Enrollment Program (Kids Matter)

FOA: Connecting Kids to Coverage HEALTHY KIDS 2022 Outreach and Enrollment Cooperative Agreements, U.S. Department of Health and Human Services Apr., 2022
 Status: Submitted (Not funded)
 Role: Statistician

- Public Health Workforce System Apr., 2022
 Project 1: A qualitative assessment of experiences of Emergency Medical Services (EMS) workers following mass tragic events: A Nevada-based study
 Project 2: Investigating Stress, Burnout and coping strategies among EMS workers amidst COVID-19 pandemic: A nation-wide cross-sectional survey
 FOA: U.S. Department of Health and Human Services, Health Resources and Service Administration
 Status: Submitted, Not funded
 Role: Co-investigator and data analyst
- Transforming Pediatrics for Early Childhood or TPEC Program May 2022
 FOA: U.S. Department of Health and Human Services, Health Resources and Service Administration, HRSA-22-141
 Status: Submitted (Not funded)
 Role: Co-investigator and data analyst
- A patient-centric educational intervention for clinicians to improve mental health outcomes of perimenopausal and menopausal women using the multi-theory model (MTM) of health behavior change
 FOA: Pfizer Global Medical Grants, Menopause and Mental Health
 Status: Submitted, June 19, 2022 (Not funded)
 Role: Co-Principal Investigator
- Assessing COVID-19 vaccine booster dose hesitancy through equity lens: A systematic review and meta-analytical global evidence
 FOA: Pfizer Global Medical Grants, Meta-analysis of COVID-19 Vaccine Hesitancy Behavioral & Social Sciences Research
 Status: Submitted, (Not funded) June, 2022
 Role: Principal Investigator

RESEARCH AND SCHOLARLY ACTIVITIES

Poster presentations

Batra, K., Abdulla, F., and Haboush-Deloye, A. Assessment of the Average Length of Stay of Premature Babies and Calculation of Associated Cost of Stay. March of Dimes Prematurity Prevention Conference. November 17-18, 2015. Arlington, Virginia.

Batra, K., Mercado, G., and Cruz, P. Babies Born Addicted: A Comprehensive Literature Review Investigating the Risk of Neonatal Abstinence Syndrome (NAS). Graduate Professional Student Association (GPSA) Research Forum. February 29, 2020. University of Nevada, Las Vegas.

Mercado, G., **Batra, K.,** and Cruz, P. Babies Born Too Soon: Psychosocial Factors That Influence Preterm Births. Undergraduate Research Symposium. May 1, 2020. University of Nevada, Las Vegas.

Batra, K., Mercado, G., and Cruz, P. Babies Born Addicted: A Comprehensive Literature Review Investigating the Risk of Neonatal Abstinence Syndrome (NAS). Nevada Public Health Association. September 22, 2020. Las Vegas, Nevada.

Mercado, G., **Batra, K.,** and Cruz, P. Babies Born Too Soon: Psychosocial Factors That Influence Preterm Births. Nevada Public Health Association. September 22, 2020. Las Vegas, Nevada.

A. Alver, A. Basu, A. Capurro, C. Gewelber, K. Baca, S. Williams, J. Ebersole, **K. Batra,** A. Patel and K. Izuora. Predictors of Food Insecurity among Ambulatory Patients with Diabetes. Accepted poster presentation at the

American Diabetes Association 81st Scientific Sessions (virtual meeting). June 25 - 29, 2021. Diabetes 2021 June; Volume 70: Supplement 1

Cranker, L., **Batra, K.**, McNickle, A.G., Fraser, D.R., Kuhls, D.A., Chestovich, P.J. Trauma volume increased in lower socioeconomic communities during the COVID-19 pandemic. Annual Meeting of the American Association for the Surgery of Trauma (AAST) and Clinical Congress of Acute Care Surgery. September 29-October 2, 2021. Atlanta, Georgia.

Sharma, M., **Batra, K.**, Levesque, D., Lakhan, R., Daniels, M., * & Awan, A. (2021). Technology use to improve social connectedness among older adults during COVID-19: Enhancing educational interventions. Proceedings of the American Public Health Association Annual Meeting, 149, Session 2047. <https://apha.confex.com/apha/2021/meetingapp.cgi/Paper/487960>

Sharma, M., Haider, T., **Batra, K.**, Dai, C., Bhushan, B., & Daniels, M., * (2021). Efficacy of yoga interventions on quality of sleep among older adults: A comprehensive review. Proceedings of the American Public Health Association Annual Meeting, 149, Session 1057. <https://apha.confex.com/apha/2021/meetingapp.cgi/Paper/488231>

Daniels, M., * Sharma, M., Haider, T., Dai, C., & **Batra, K.** (2021). Efficacy of yoga in reducing sleep-related menopausal symptoms. Proceedings of the American Public Health Association Annual Meeting, 149, Session 1072. <https://apha.confex.com/apha/2021/meetingapp.cgi/Paper/488903>

Schreiber A, Bauzon J, Al-Taweel O, Go A, Lee K, Houshmand N, Pham U, Cosme C, Inciong K, Sossou C, **Batra K**, Shabada A, Patel S, Hawwass D, Diep J, Ahsan C. Clinical Characteristics and Implications of Remdesivir Induced Bradycardia: A Single Center Retrospective Cohort Study. Winning poster presented at the American College of Physicians Nevada Southern Region Resident Research Abstract Competition; Las Vegas, NV; November 2021.

Buczek L, Gryder-Culver L, Slinkard-Barnum S, **Batra K**, Trummel C, McNickle A, Fraser DR, Kuhls DA, Chestovich PJ. You Drink, You Drive, You Lose: Long-Term Outcomes of a School-based Impaired and Distracted Driving Prevention Program. Clark County Medical Society; Las Vegas, NV; January, 2022

Schmidt L, **Batra K**, Lutzow L, Robnett R, McNickle A, Fraser DR, Kuhls DA, Chestovich PJ. Implicit Bias Affects Surgical Technical Skill Assessments. Clark County Medical Society; Las Vegas, NV; January 2022

Crankshaw, L., McNickle, A., **Batra, K.**, Kuhls, D.A., Chestovich, P.J., Fraser, D. Thoracic irrigation in traumatic hemothorax volume affects length of stay. Clark County Medical Society; Las Vegas. NV; January 2022

Izuora, K., Alver, A., Basu, A., **Batra, K.**, Williams, S.J., Ebersole, J.L. Assessing Correlates of Microvascular Complications Among Patients with Diabetes Mellitus. American Diabetes Association, 82nd Scientific Sessions. June 3-June 7, 2022. Ernest N. Morial Convention Center in New Orleans, LA. (Supplement_1): 1485-PUB. <https://doi.org/10.2337/db22-1485-PUB>

Bai, R., **Batra, K.**, Yap, C, and Izuora, K. Diabetes-related outcomes following use of basal-bolus insulin vs. premixed insulin in a VA population with Type 2 diabetes: A retrospective chart review. Endocrine Society Annual Meeting, June 11-14, 2022; Georgia World Congress Center; Atlanta, GA. <https://www.endocrine.org/news-and-advocacy/news-room/endo-annual-meeting>

Batra K, Netski D, Coleman J, Guadagnoli M, Kahn M, Kuhls DA. Quality Improvement Initiative to Advance Faculty Research and Scholarship at a New Medical School. Group on Women in Medicine and Science. The AAMC Annual Meeting; Nashville, Tennessee, November 12, 2022. Abstract submitted for the poster presentation [August 5, 2022].

Raich S, Awan A, **Batra K**, Johansen C, Sharma M. Disparities in cervical cancer screening programs among minority women in the United States. A scoping review. [Abstract accepted for lightening talk]. Nevada Public Health Association; Annual conference, 2022

Raich S, Awan A, **Batra K**, Johansen C, Sharma M. Theory-based mammography interventions among Hispanic American women: A scoping review of current practices. [Abstract accepted for lightening talk]. Nevada Public Health Association; Annual conference, 2022

Fanou C, Nguyen M, Sanyurah O, Ji W, **Batra K**, Dy R. Does COVID-19 increase the risk of developing cystic lung disease? CHEST Annual Meeting; Nashville, Tennessee, October 18, 2022. Poster presentation. Available at <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9548963/>

Raich S, Awan A, **Batra K**, Johansen C, Sharma M. Scoping review of cervical cancer screening interventions among minority women. [Abstract accepted for poster]. American Public Health Association; Annual conference, 2022. Available at <https://apha2022sessions.hubb.me/AbstractDetail.aspx?id=915707>

Batra R, **Batra K**, Sharma, M. Yoga for anxiety relief among college students: Current state of interventions. American Public Health Association 150th Annual Meeting, 2022, November 6-9, Boston, MA, United States. <https://apha.confex.com/apha/2022/meetingapp.cgi/Paper/517214>

Mohammed S, Min Tun K, Dossaji Z, Massey B, **Batra K**, Naga Y, Muraga A, Gill A, Lankarani D, Apointe-Pieras J, Ohning G. Comparing characteristics of acute alcoholic hepatitis vs non-alcoholic hepatitis patients from a cohort with chronic alcohol dependence: Single institution study. 3rd Annual Medical Research Symposium, Kirk Kerkorian School of Medicine at UNLV, September 17, 2022, Las Vegas, Nevada.

Ho J, Bauzon J, Bardakcioglu O, **Batra K**. Surgical site infection rates following ileostomy closures: An analysis between primary wound closure with chlorhexidine irrigation versus purse-string closure. 3rd Annual Medical Research Symposium, Kirk Kerkorian School of Medicine at UNLV, September 17, 2022, Las Vegas, Nevada

Gonzalez P, Mohammed S, Stephens M, Gryder L, **Batra K**, Kuhls D. State-level mortality and morbidity analysis in motor vehicle crashes with proper age-appropriate restraint use in children 6-12 years. 3rd Annual Medical Research Symposium, Kirk Kerkorian School of Medicine at UNLV, September 17, 2022, Las Vegas, Nevada.

Nemec H, Cheng A, Ho J, Flores CE, Saquib S, Fraser DR, Chestovich PJ, **Batra K**. Assessing the impact of prone positioning among adult burn patients with acute respiratory distress syndrome [Accepted for the Poster presentation]. American Burn Association Annual Meeting, 2023, May 16-19, Dallas, Texas, United States. <https://ameriburn.org/education/annual-meeting/>

Cohler S, Chestovich P, Saquib S, **Batra K**. Evaluation of socioeconomic status and burn injuries: A retrospective review from a desert burn center [Submitted for the Poster presentation]. Clark County Medical Society Virtual Research Symposium, 2023, January 6, Las Vegas, Nevada.

Cohler S, Chestovich P, Saquib S, **Batra K**. Evaluation of socioeconomic status and burn injuries: A retrospective review from a desert burn center. Southern Nevada Regional American College of Physicians (ACP) Poster Competition, November 2023, Las Vegas, Nevada.

Mohammed S, **Batra K**, Bauzon J, Schrieber A, Chowdhury A. Risks of intubation in COVID-19 patients treated with Remdesivir: A single institution retrospective study [Submitted for the Poster presentation]. Clark County Medical Society Virtual Research Symposium, 2023, January 6, Las Vegas, Nevada.

Mohammed S, **Batra K**, Bauzon J, Schrieber A, Chowdhury A. Risks of intubation in COVID-19 patients treated with Remdesivir: A single institution retrospective study. Southern Nevada Regional American College of Physicians (ACP) Poster Competition, November 2023, Las Vegas, Nevada.

Mohammed S, **Batra K**, Bauzon J, Schrieber A, Chowdhury A. Risks of intubation in COVID-19 patients treated with Remdesivir: A single institution retrospective study. [Submitted for the national level poster competition]. American College of Physicians (ACP) National Conference, 2023, April 27.

Medrano D, Velez K, Morris D, D'Agostino M, Harris C, Fields J, Chestovich P, **Batra K**. Do Racial Disparities Exist in Populations with Extremity Wounds Receiving Outpatient Wound Care Services? [Submitted for the Poster presentation]. Clark County Medical Society Virtual Research Symposium, 2023, January 6, Las Vegas, Nevada.

Horvath A, Repetto M, Shackelford M, Thi A, Twells R, **Batra K**, Netski D, Gomez N, Free L. An examination of quality and reliability of intrauterine device-related content: A TikTok analysis. [Submitted for the Poster presentation]. Clark County Medical Society Virtual Research Symposium, 2023, January 6, Las Vegas, Nevada.

Repetto M, Horvath A, Shackleford M, Thi A, Twells R, **Batra K**, Netski D, Gomez N, Free L. Contraceptive Health Information Quality on TikTok: A Cross-Sectional Analysis. [Submitted for the Poster presentation]. Clark County Medical Society Virtual Research Symposium, 2023, January 6, Las Vegas, Nevada.

Horvath A, Repetto M, Shackleford M, Thi A, Twells R, **Batra K**, Netski D, Gomez N, Free L. Analyzing the Quality and Reliability of Contraceptive Content on TikTok: A Feasibility Study. [Submitted for the Poster presentation]. American Medical Women's Association Annual Meeting, 2023, March, Philadelphia, PA

Podium presentations

Batra, K., Moonie, S., Dodge-Francis, C., and Shan, G. The National Diabetes Prevention Program: an intervention for diabetes risk reduction. Nevada Public Health Association Annual Conference. September 22-23, 2016. Springs Preserve, Las Vegas, Nevada.

Batra, K., & Pharr, J. The Maternal Psychosocial Factors Associated with Preterm Birth. Nevada Public Health Association Annual Conference. September 28-29, 2017. Reno, Nevada.

Batra, K., & Pharr, J. The Maternal Physical and Pregnancy Related Factors Associated with Preterm Birth. Nevada Public Health Association Annual Conference. September 28-29, 2017. Reno, Nevada.

Batra, K., & Cruz, P. Factors Increasing the Risk of Preterm Birth Resulting from Infertility Treatments: A Systematic Review. Nevada Public Health Association Annual Conference. September 26-27, 2018. Las Vegas, Nevada.

Batra, K., & Cruz, P. Neonatal Abstinence Syndrome: A Peril of Maternal Drug Abuse. Grad Slam Competition (3 minutes research oration). November 1, 2019. Las Vegas, Nevada.

Crankshaw, L., McNickle, A.G., **Batra, K.**, Kuhls, D.A., Chestovich, P.J. The volume of thoracic irrigation affects length of stay in patients with traumatic hemothorax. Annual Meeting of the American Association for the Surgery of Trauma (AAST) and Clinical Congress of Acute Care Surgery. September 29-October 2, 2021. Atlanta, Georgia.

Anderson, J., **Batra, K.**, McNickle, A., Fraser, D., Gryder, L., Chestovich, P., Kuhls D. Injury burden of On-vs. Off-road vehicular crashes in Nevada: A comparative analysis. The Southwestern Surgical Congress (SWSC) 2022 Annual Meeting Quick Shot Session 9, April 24-27. Arizona

Griffin, Arianna; **Batra, Kavita**; Yacoub, Mais; Ari, Judith Ben; Dugan, Mark. 506: Relationship between pediatric subdural empyemas and functional outcomes. Critical Care Medicine: January 2022 - Volume 50 - Issue 1 - p 244 doi:10.1097/01.ccm.0000808348.95274.b1.

https://journals.lww.com/ccmjournals/Fulltext/2022/01001/506_RELATIONSHIP_BETWEEN_PEDIATRIC_SUBDURAL.472.aspx

Doyle G., Froelich, M., **Batra, K.**, Dadon, N., Ward, B., Baynosa, J., Kuhls, D., & St. Hill, C. The impact of COVID-19 on Graduate Medical Education. The Southwestern Surgical Congress (SWSC) 2022 Annual Meeting Scientific Session 5, April 24-27. Arizona

Schmidt, L., **Batra, K.**, Lutzow, L., Robnett, R., McNickle, A.G., Fraser, D.R., Kuhls, D.A., Chestovich, P.J. Implicit Bias Affects Surgical Technical Skill Evaluations. Association for Surgical Education Annual Meeting. May 3-5, 2022. San Antonio. Texas

Buzzek L., Azar F., Bauzon J., **Batra K.**, Murphy C., Wahi-Gururaj S. The Data Error Criteria (DEC) for Retrospective Studies: Development and Preliminary Application. American College of Physicians, Atlanta, April 29, 2022.

Brown, G.P., **Batra, K.**, Hong, S., Bakhru, R., Dorin, E., Sottile, R. A Cross-sectional Survey of Therapists to Assess Perceived Effectiveness of Advanced Integrative Therapy Interventions: A Pilot Study. Eleventh Annual Energy Psychology Research Symposium, Association for Comprehensive Energy Psychology. May 12, 2022, New Mexico.

Pharr J, **Batra K**, Terry E. Protective and Risk Factors for Suicidal Ideation among Lesbian and Bisexual Women in the United States [Oral presentation]. American Public Health Association 150th Annual Meeting, 2022, November 6-9, Boston, MA, United States. <https://apha2022sessions.hubb.me/AbstractDetail.aspx?id=918911>

Saquist S, Chestovich PJ, Flores CE, Carroll J, Fraser DR, Tullington J, **Batra K**. The Role of Body Mass Index in Hospitalized Burn Patients [Accepted for the Podium presentation]. American Burn Association Annual Meeting, 2023, May 16-19, Dallas, Texas, United States. <https://ameriburn.org/education/annual-meeting/>

Cohler SC, Chestovich PJ, Saquist S, **Batra K**. Evaluation of Socioeconomic Status and Burn Injuries: A Retrospective Review from a Desert Burn Center [Accepted for the Podium presentation]. American Burn Association Annual Meeting, 2023, May 16-19, Dallas, Texas, United States. <https://ameriburn.org/education/annual-meeting/>

Toelle L, Mcnickle A, Ferry D, Mohammed S, **Batra K**, Fraser D, Chestovich P. A Novel Scoring System for Blunt Pulmonary Contusions Can Help Allocate Resources. American College of Surgeons COT Residents Trauma Paper Region IX Competition, 2022, November 30, Phoenix, Arizona.

Departments' teaching activities

Kavita Batra. Understanding Variables in Statistics. General Surgery Department, Kirk Kerkorian School of Medicine at UNLV. October 6, 2022. Las Vegas, Nevada

Kavita Batra. Understanding Variables in Statistics. Internal Medicine Department, Kirk Kerkorian School of Medicine at UNLV. September 27, 2022. Las Vegas, Nevada

Manoj Sharma & **Kavita Batra**. Utilizing the Multi-theory Model (MTM) to Measure Determinants of the Intent to Overcome Implicit Bias among Emergency Department Personnel. The Florida State University. Annual Research Day. June 1, 2022 [Webinar].

Kavita Batra. Calculating Statistics of Traffic Safety. UNLV's 7th Annual National Summer Transportation Institute. March 18, 2022. Las Vegas, Nevada

Kavita Batra. Evidence-based Medicine: Types of Study Designs. General Surgery Department, School of Medicine, University of Nevada-Las Vegas. February 10, 2022. Las Vegas, Nevada.

Kavita Batra. Understanding Statistics in Research. Pediatrics Department, Kirk Kerkorian School of Medicine at UNLV. February 3, 2022. Las Vegas, Nevada.

Kavita Batra. Understanding Statistics in Research. Obstetrics and Gynecology Department, Kirk Kerkorian School of Medicine at UNLV. January 28, 2022. Las Vegas, Nevada

Kavita Batra. Evidence-based Medicine: Types of Study Designs. Office of Research, School of Medicine, University of Nevada-Las Vegas. January 11, 2022. Las Vegas, Nevada.

Kavita Batra. Steps of Statistical Analysis. Research Didactic for Pulmonary and Critical Care Department, Kirk Kerkorian School of Medicine at UNLV. July 8, 2021. Las Vegas, Nevada.

Paul Chestovich & **Kavita Batra**. Writing an Effective Research Abstract. Office of Research, Kirk Kerkorian School of Medicine at UNLV. February 1, 2021. Las Vegas, Nevada.

Panel Discussions

Kavita Batra. Research Impact Panel. Hosted by UNLV Libraries. October 6, 2022, Las Vegas, Nevada

Ahmet Tanhan, Kavita Batra, Emel Genç, Nazlı Özkan, Ozan korkmaz, Tahani dari, Naved Iqbal (2021). Online Photovoice (OPV) in Research. 3rd International Acceptance and Commitment Therapy Conference, Turkey, 29-30-31 October 2021. Online Conference. http://www.actgunleri2021.org/index_ing.php

Kavita Batra. Disparate impacts of COVID-19 by race and ethnicity in Nevada. Center for Evidence-based Policy Medicaid Evidence-Based Decisions Project (MED). October 20-22, 2020. Las Vegas, Nevada

Invited speaker to international conferences

Kavita Batra. Understanding Variables in Statistics. International Association of Physical Education and Sports in collaboration with the Physical Education Foundation of India, and the International Federation for Fitness, Health, Physical Education, and Iron Games. September 24-26, 2021. India

Kavita Batra. Nuts and Bolts of Statistical Analysis. International E-Conference on Innovation and Practices of Modern Sports Science and Traditional Yoga. June 26-28, 2021. India

Publications

**represents an additional role as a corresponding author*

Tun KM, Hsu M, **Batra K**, Han Lo C, Laeeq T, Vongsavath T, Mohammed S, Hong AS. Efficacy and Safety of Fecal Microbiota Transplantation in Treatment of Clostridioides difficile Infection Among Pediatric Patients: A Systematic Review and Meta-analysis. *Microorganisms*. 2022; 10(12): 2450. <https://www.mdpi.com/2076-2607/10/12/2450>

Sossou CW, Fakhra S, **Batra K**, Nouthe B, Okoh A, Phillips-Wilson T, Kuria CN, Hawwass D, Singh A, Cohen M, Dawn B, Ahsan CH. Diversity in U.S. Cardiovascular trainees and leadership where we are and what the future holds. *Curr Probl Cardiol*. 2022: 101518. <https://doi.org/10.1016/j.cpcardiol.2022.101518>

Sharma M, **Batra K***, Chen C-C, Dai C-L, Batra R, Cappelli DP. Predicting Flossing through the Application of the Multi-Theory Model (MTM) of Health Behavior Change among Minority Adolescents in the United States. *International Journal of Environmental Research and Public Health*. 2022; 19(22):15106. <https://doi.org/10.3390/ijerph192215106>

Alver A, **Batra K**, Basu A, et al. (N/A) Food Diary Completion Does Not Significantly Impact Glycemic Control in an Observational Single-Institution Pilot Study of Patients with Type 2 Diabetes Mellitus. *Cureus* (Under review): e. doi:10.7759/cureus.

Shirotriya AK, **Batra K**, Waqatakiwewa L, Lakhan R., Sharma M. Explaining physical activity behavior in a university-based sample in Fiji Islands using a multi-theory model of health behavior change. *J Health Soc Sci*. 2022;7(3): 312-324. Doi: 10.19204/2022/XPLN

Chirico F, **Batra K**, Nucera G, Pruc M, Nowrouzi-Kia B, Szarpak L, Sharma M. Protecting hospitals and the community from the current global monkeypox outbreak: A lesson from the COVID-19 pandemic. *J Health Soc Sci*. 2022;7(3):260–266. Doi: 10.19204/2022/PRTC2

Kaurani P, **Batra K***, Rathore Hooja H, Chander NG, Bhowmick A, Arora S, Baba SM, Khateeb SU, Abdulla AM, Grover V, Saluja P. Assessing the Compliance of Dental Clinicians towards Regulatory Infection Control Guidelines Using a Newly Developed Survey Tool: A Pilot Cross-Sectional Study in India. *Healthcare*. 2022; 10(10):1877. <https://doi.org/10.3390/healthcare10101877>

Sharma M, **Batra K***, Batra R, Hayes T, Ickes MJ, Singh TP. Assessing the Testability of the Multi-Theory Model (MTM) in Predicting Vaping Quitting Behavior among Young Adults in the United States: A Cross-Sectional Survey. *International Journal of Environmental Research and Public Health*. 2022; 19(19):12139. <https://doi.org/10.3390/ijerph191912139>

Szarpak L, Pruc M, Navolokina A, **Batra K**, Chirico F, Roquetaillade CD. Omicron variants of the SARS-CoV-2: A potentially significant threat in a new wave of infections. *Disaster and Emergency Medicine Journal*. 2022. DOI: 10.5603/DEMJ.a2022.0033. Available at https://journals.viamedica.pl/disaster_and_emergency_medicine/article/view/DEMJ.a2022.0033

Schreiber A, Bauzon JS, **Batra K**, Mohammed S, Lee K, Houshmand N, Pham U, Cosme C, Inciong K., Al-Taweel O, Nasser K, Rana J, Sossou C, Go A, Hawwass D, Diep J, Ahsan C. Clinical Characteristics and Implications of Bradycardia in COVID-19 Patients Treated with Remdesivir: A Single-Center Retrospective Cohort Study. *Clin Drug Investig*. 2022. <https://doi.org/10.1007/s40261-022-01187-x>

Batra K*, Effah-Acheampong J, Batra R, Lopey M, Wu PJ, Arora S, Saluja P, Gallaway L, Nucera G, Szarpak L, Pruc M, Weisman A, Yildirim M, Sharma M. Evolution of SARS-CoV- 2 variants: A rapid literature scan. *J Health Soc Sci*. 2022;7(2):141–151. Doi: 10.19204/2022/VLTN3

Chirico F, Capitanelli I, Nowrouzi-Kia B, Howe A, **Batra K**, Sharma M, Szarpak L, Pruc N, Nucera G, Ferrari G, Cortese CG, Gianino MM, Acquadro-Maran D. Animal-Assisted Intervention and military veterans' psychological health: A systematic review of the literature. *J Health Soc Sci.* 2022;7(2):152-180. Doi: 10.19204/2022/NMLS4

Chirico F, Crescenzo P, Nowrouzi-Kia B, Tarchi L, **Batra K**, Ferrari G, Yildirim M, Romano A, Nucera G, Ripa S, Sharma M, Leiter M. Prevalence and predictors of burnout syndrome among schoolteachers during the COVID-19 pandemic in Italy: A cross-sectional study. *J Health Soc Sci.* 2022;7(2):195-211. Doi: 10.19204/2022/PRVL6

Yıldırım M, Çağış ZG, **Batra K**, Ferrari G, Kızılgeçit M, Chirico F, Sharma M. Role of resilience in psychological adjustment and satisfaction with life among undergraduate students in Turkey: A cross-sectional study. *J Health Soc Sci.* 2022;7(2):224-235. Doi: 10.19204/2022/RLFR8

Kelson M, **Batra K**, Sharma M. Hoarding disorder, suicidality, and treatment modalities. *J Health Soc Sci.* 2022;7(2):249-255. Doi: 10.19204/2022/HRDN10

Brown GP, **Batra K**, Hong SS, Sottile R, Bakhru R, Dorin E. Therapists' observations in reduction of unpleasant emotions following advanced integrative therapy interventions. *Energy Psychology.* 2022; 14(1): 12-21. doi:10.9769/epj.2022.14.1.gb

Achrekar GC, **Batra K***, Urankar Y, Batra R, Iqbal N, Choudhury SA, Hooda D, Khan R, Arora S, Singh A, Chirico F, Sharma M. Assessing COVID-19 Booster Hesitancy and Its Correlates: An Early Evidence from India. *Vaccines.* 2022; 10(7):1048. <https://doi.org/10.3390/vaccines10071048>

Hong AS, Tun KM, Hong JM, **Batra K**, Ohning G. Fecal Microbiota Transplantation in Decompensated Cirrhosis: A Systematic Review on Safety and Efficacy. *Antibiotics.* 2022; 11(7):838. <https://doi.org/10.3390/antibiotics11070838>

Crankshaw L, McNickle AG, **Batra K**, Kuhls DA, Chestovich PJ, Fraser DR. The volume of thoracic irrigation is associated with length of stay in patients with traumatic hemothorax. *J. Surg. Res.* 2022; 279 (62-71). <https://doi.org/10.1016/j.jss.2022.05.031>

Shirotriya AK, **Batra K**. Knowledge or awareness of non-communicable diseases and their associated risk factors among university students in Fiji: A cross-sectional study. *J Health Soc Sci.* 2022;7(1):99-113. Doi: 10.19204/2022/KNWL7

An D, **Batra K**. Trends in scientific output on the lesbian, gay, bisexual, and transgender (LGBT) community research: A bibliometric analysis of the literature. *J Health Soc Sci.* 2022;7(1):114-131. Doi: 0.19204/2022/TRND8.

Tun K, Hong AS, **Batra K**, et al. A Systematic Review of the Efficacy and Safety of Fecal Microbiota Transplantation in the Treatment of Hepatic Encephalopathy and Clostridioides difficile Infection in Patients with Cirrhosis. 2022; *Cureus* 14(5): e25537. doi:10.7759/cureus.25537

Sharma M, **Batra K***. Wilkerson A, Chirico F, Raich S. A multi-theory-based analysis of correlates for initiating and sustaining mammography screening behavior among Hispanic American women in the United States. *Health Promotion Perspectives.* 2022; 12(1):110-119. doi: 10.34172/hpp.2022.14 <https://hpp.tbzmed.ac.ir/PDF/hpp-12-110.pdf>

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Zhang SX, **Batra K**, Xu W, et al. Mental disorder symptoms during the COVID-19 pandemic in Latin America - a systematic review and meta-analysis. *Epidemiol Psychiatr Sci.* 2022;31: e23. Published 2022 Apr 19. doi:10.1017/S2045796021000767

Batra K*, Pharr JR, Terry E, Labus B. Assessing Psychological Impact of COVID-19 among Parents of Children Returning to K-12 Schools: A U.S. Based Cross-Sectional Survey. *Healthcare.* 2022; 10(5):775. <https://doi.org/10.3390/healthcare10050775>

Batra K*, Cruz P, Cross C, Bhandari N, Abdulla F, Pharr J, Buttner M. Healthcare Utilization and Expenditures of the Neonatal Opioid Withdrawal Syndrome in Nevada: A Cross-sectional Analysis (2016-2018). *Nevada Journal of Public Health.* 2022; 19:12-25.

- Sharma M, Kanekar A, **Batra K***, Hayes T, Lakhan R. Introspective Meditation before Seeking Pleasurable Activities as a Stress Reduction Tool among College Students: A Multi-Theory Model-Based Pilot Study. *Healthcare*. 2022; 10(4):614. <https://doi.org/10.3390/healthcare10040614>
- Buczek L, Gryder LK, Slinkard-Barnum S, **Batra K**, Trummel C, McNickle AG, Fraser DR, Kuhls DA, Chestovich PJ. Evaluating Long-Term Outcomes of a High School-Based Impaired and Distracted Driving Prevention Program. *Healthcare*. 2022; 10(3):474. <https://doi.org/10.3390/healthcare10030474>
- Batra K***, Batra R. "'Deaths of Despair' among College Students Amidst COVID-19 Pandemic: A Call for Action" [Book Chapter]. Psychosocial, Educational, and Economic Impacts of COVID-19 [Working Title], edited by Jose Sánchez-García et al, *IntechOpen*, 2022. 10.5772/intechopen.102961.
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- Crescenzo P, Chirico F, Ferrari G, Szarpak I, Nucera G, Marciano R, Tarchi I, Denicolo D, Maiorino A, **Batra K**, Sharma M. Prevalence and predictors of burnout syndrome among Italian psychologists following the first wave of the COVID-19 pandemic: A cross-sectional study. *J Health Soc Sci*. 2021; 6(4):509-526.
- Sharma M, **Batra K**. Substance use among college students during COVID-19 times: A negative coping mechanism of escapism. [Editorial]. *J Alcohol Drug Educ*. 2021; 65(3):3-9.
- Sharma M, **Batra K**, Johansen C, Raich S. Explaining Correlates of Cervical Cancer Screening among Minority Women in the United States. *Pharmacy*. 2021; 10(1):30. <https://doi.org/10.3390/pharmacy10010030>
- Yadete T, **Batra K***, Netski DM, Antonio S, Patros MJ, Bester JC. Assessing Acceptability of COVID-19 Vaccine Booster Dose among Adult Americans: A Cross-Sectional Study. *Vaccines*. 2021; 9(12):1424. <https://doi.org/10.3390/vaccines9121424>
- Lakhan R, Sharma M, **Batra K**, Beatty FB. The Role of Vitamin E in Slowing Down Mild Cognitive Impairment: A Narrative Review. *Healthcare*. 2021; 9(11):1573. <https://doi.org/10.3390/healthcare9111573>
- Sharma M, **Batra K**. Syndemic of opioid crisis and COVID-19 pandemic: A call to invest in solutions. [Editorial]. *J Alcohol Drug Educ*. 2021; 65(2): 5-11.
- Kaurani P, **Batra K**, Rathore Hooja H, Banerjee R, Jayasinghe RM, Leuke Bandara D, Agrawal N, Singh V. Perceptions of Dental Undergraduates Towards Online Education During COVID-19: Assessment from India, Nepal and Sri Lanka. *Adv Med Educ Pract*. 2021; 12:1199-1210. <https://doi.org/10.2147/AMEP.S328097>
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- Pharr JR, **Batra K**. Physical and Mental Disabilities among the Gender-Diverse Population Using the Behavioral Risk Factor Surveillance System, BRFSS (2017–2019): A Propensity-Matched Analysis. *Healthcare*. 2021; 9(10):1285. <https://doi.org/10.3390/healthcare9101285>
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Bhandari N, **Batra K***, Upadhyay S, Cochran C. Impact of COVID-19 on Healthcare Labor Market in the United States: Lower Paid Workers Experienced Higher Vulnerability and Slower Recovery. *Int J Environ Res Public Health*. 2021;18(8):3894. doi:10.3390/ijerph18083894

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Batra K*, Pharr J, Olawepo JO, Cruz P. Understanding the multidimensional trajectory of psychosocial maternal risk factors causing preterm birth: A systematic review. *Asian J Psychiatr.* 2020; 54:102436. doi: 10.1016/j.ajp.2020.102436

Books

Sharma, M., & **Batra, K.** (Eds.). (2021). COVID-19: Impact on public health and healthcare. Approaches to decrease the COVID-19 impact. Basel, Switzerland: MDPI. ISBN# 978-3-0365-2210-4.

Batra, K., & Sharma, M. (Eds.). (2022). COVID-19: Impact on public health and healthcare. Volume 2. Basel, Switzerland: MDPI ISBN# 978-3-0365-2844-1 (Hbk).

Batra, K., & Sharma, M. (Eds.). (2022). Integrative, Complementary and Alternative Medicine (CAM) in Healthcare. Basel, Switzerland: MDPI ISBN# 978-3-0365-3630-9 (Hbk)

RESEARCH FEATURED IN MEDIA OR JOURNALS

Featured in Medscape

“Less Sleep, More Burnout Linked to Higher COVID-19 Risk, Study Shows.” (Published March 23, 2021)

Original work cited: **Batra, K.**, Singh, TP., Sharma, M., Batra, R., & S Schvaneveldt. 2020. Investigating the psychological impact of COVID-19 among healthcare workers: A Meta-analysis. *International Journal of Environmental Research and Public Health.* Published December 5, 2020.

Link: <https://www.medscape.com/viewarticle/947917>

Cover story in *Healthcare journal* (May 17, 2021)

Original work cited: **Batra, K.**, Sharma, M., Batra, R., Singh, TP., & S Schvaneveldt. 2021. Assessing the psychological impact of COVID-19 among college students: An evidence of 15 countries. *Healthcare*, 9(2):222.

Featured in InsideHigherEd

“Colleges' failure to mandate suicide prevention training is ignorant and reckless (opinion)” (Published June 8, 2021)

Original work cited: **Batra, K.**, Sharma, M., Batra, R., Singh, TP., & S Schvaneveldt. 2021. Assessing the psychological impact of COVID-19 among college students: An evidence of 15 countries. *Healthcare*, 9(2):222.

Link: <https://www.insidehighered.com/print/views/2021/06/08/colleges-failure-mandate-suicide-prevention-training-ignorant-and-reckless-opinion>

Featured in Myneuronews (July 29, 2021)

Original work cited: Barot, N., **Batra, K.**, Zhang, J., Klem, M. L., Castellano, J., Gonzalez-Martinez, J., & Bagic, A. (2021). Surgical outcomes between temporal, extratemporal epilepsies and hypothalamic hamartoma: Systematic review and meta-analysis of MRI-guided laser interstitial thermal therapy for drug-resistant epilepsy. *Journal of Neurology, Neurosurgery & Psychiatry*, jnnp-2021-326185. doi:10.1136/jnnp-2021-326185.

Link: <https://myneuronews.com/2021/07/29/surgical-outcomes-between-temporal-extratemporal-epilepsies-and-hypothalamic-hamartoma-systematic-review-and-meta-analysis-of-mri-guided-laser-interstitial-thermal-therapy-for-drug-resistant-epileps/>

Featured in marketplace

“Stress and burnout stoke churn in health care workforce” (November 10, 2021)

Original work cited: Bhandari, N., **Batra, K.**, Upadhyay, S., & Cochran, C. (2021). Impact of COVID-19 on Healthcare Labor Market in the United States: Lower Paid Workers Experienced Higher Vulnerability and Slower Recovery. *International journal of environmental research and public health*, 18(8), 3894. <https://doi.org/10.3390/ijerph18083894>

Link: <https://www.marketplace.org/2021/11/10/stress-and-burnout-stoke-churn-in-health-care-workforce/>

Featured in marketplace

“Healthcare still reeling from the mass exodus of workers” (November 15, 2021)

Original work cited: Bhandari, N., **Batra, K.**, Upadhyay, S., & Cochran, C. (2021). Impact of COVID-19 on Healthcare Labor Market in the United States: Lower Paid Workers Experienced Higher Vulnerability and Slower Recovery. *International journal of environmental research and public health*, 18(8), 3894. <https://doi.org/10.3390/ijerph18083894>

Link: <https://www.marketplace.org/2021/11/15/health-care-still-reeling-from-the-mass-exodus-of-workers/&>

Among Top 20 Cited papers in *Healthcare* journal (September 2, 2021)

Original work cited: **Batra, K.**, Singh, TP., Sharma, M., Batra, R., & S Schvaneveldt. 2020. Investigating the psychological impact of COVID-19 among healthcare workers: A Meta-analysis. *International Journal of Environmental Research and Public Health*. Published December 5, 2020.

Link: <https://www.mdpi.com/journal/healthcare/announcements/4374>

Featured in SundayGuardianLive

“E-cigarettes may be banned in India, but hookah bars and smoking in clubs on weekends are increasing alarmingly”

Original work cited: Sharma, M., **Batra, K.**, Batra, R., Dai, C. L., Hayes, T., Ickes, M. J., & Singh, T. P. (2022). Assessing the Testability of the Multi-Theory Model (MTM) in Predicting Vaping Quitting Behavior among Young Adults in the United States: A Cross-Sectional Survey. *International journal of environmental research and public health*, 19(19), 12139. <https://doi.org/10.3390/ijerph191912139>

Link: https://www.sundayguardianlive.com/news/smoking-drug-abuse-affect-14-global-youth-including-indians?fbclid=IwAR2_RIFWoRvML6ixaL1foFU8oJBkJRsSYFymbB7WcWUUBa7YUun0PTROb50

Featured in SciPod (November 16, 2022)

Original work cited: Sharma, M., Dai, C. L., **Batra, K.**, Chen, C. C., Pharr, J. R., Coughenour, C., Awan, A., & Catalano, H. (2021). Using the Multi-Theory Model (MTM) of Health Behavior Change to Explain the Correlates of Mammography Screening among Asian American Women. *Pharmacy (Basel, Switzerland)*, 9(3), 126. <https://doi.org/10.3390/pharmacy9030126>

Link: <https://www.scipod.global/professor-manoj-sharma-the-multi-theory-model-mtm-of-health-behavior-change-understanding-the-determinants-of-breast-cancer-screening/>

Featured in SciPod (November 16, 2022)

Original work cited: Sharma, M., **Batra, K.**, Wilkerson, A. H., Chirico, F., & Raich, S. (2022). A multi-theory model-based analysis of correlates for initiating and sustaining mammography screening behavior among Hispanic American women in the United States. *Health promotion perspectives*, 12(1), 110–119. <https://doi.org/10.34172/hpp.2022.14>

Link: <https://www.scipod.global/professor-manoj-sharma-the-multi-theory-model-mtm-of-health-behavior-change-understanding-the-determinants-of-breast-cancer-screening/>

Featured in SundayGuardian

“Indian children spend too much time ‘screen-watching’: Research” (Published November 19, 2022)

Original work cited: Sharma, M., Batra, K., Singh, T. P., Dua, R., Ickes, M., Batra, R., & Nahar, V. K. (2022). Explaining Screen-Time Behavior Among Preschoolers in Northern India Using Multi Theory Model: A Parental Cross-Sectional Survey. *Community health equity research & policy*, 43(1), 95–104. <https://doi.org/10.1177/0272684X211006604>

Link: <https://www.sundayguardianlive.com/news/indian-children-spend-much-time-screen-watching-research>

Featured in “the Conversation”

“Reconnaissance, dialogue social, gestion de carrière... Ces « pratiques organisationnelles vertueuses » au travail (Published December 11, 2022)

Original work cited: Batra, K., Singh, TP., Sharma, M., Batra, R., & S Schvaneveldt. 2020. Investigating the psychological impact of COVID-19 among healthcare workers: A Meta-analysis. *International Journal of Environmental Research and Public Health*. Published December 5, 2020.

Link: <https://theconversation.com/reconnaissance-dialogue-social-gestion-de-carriere-ces-pratiques-organisationnelles-vertueuses-au-travail-195847>

Featured in the weekly E-paper in the newspaper “New India Abroad”

“Importance of physical activities in our lives” (Published December 12, 2022; volume 8, Washington DC)

Original work cited: Shirotriya AK, Batra K, Waqatakirewa L, Lakhan R., Sharma M. Explaining physical activity behavior in a university-based sample in Fiji Islands using a multi-theory model of health behavior change. *J Health Soc Sci*. 2022;7(3): 312-324. Doi: 10.19204/2022/XPLN

HONORARY MENTIONS OR AWARDS BY PROFESSIONAL ASSOCIATIONS

Honorable Mention award in the Surgical Critical Care Program Directors Society (SCCPDS) 2022 "Excellence in Research" Award (July 15, 2022)

Original work: Crankshaw, L., McNickle, A. G., Batra, K., Kuhls, D. A., Chestovich, P. J., & Fraser, D. R. (2022). The Volume of Thoracic Irrigation Is Associated with Length of Stay in Patients with Traumatic Hemothorax. *The Journal of surgical research*, 279, 62–71. <https://doi.org/10.1016/j.jss.2022.05.031>

Finalist at ACP 2022 National Resident Research Abstract Competition (May, 2022)

Original work: Schreiber A, Bauzon J, Al-Taweel O, Go A, Lee K, Houshmand N, Pham U, Cosme C, Inciong K, Sossou C, Batra K, Shabada A, Patel S, Hawwass D, Diep J, Ahsan C. Clinical Characteristics and Implications of Remdesivir Induced Bradycardia: A Single Center Retrospective Cohort Study. Winning poster presented at the American College of Physicians Nevada Southern Region Resident Research Abstract Competition; Las Vegas, NV; May, 2022.

Awards by the Clark County Medical Society (Second place; February 3, 2022)

Original work: Crankshaw, L., McNickle, A., Batra, K., Kuhls, D.A., Chestovich, P.J., Fraser, D. Thoracic irrigation in traumatic hemothorax volume affects length of stay. Clark County Medical Society; Las Vegas. NV; January 2022

Awards by the Clark County Medical Society (Third place place; February 3, 2022)

Original work: Anderson, J., Batra, K., McNickle, A., Fraser, D., Gryder, L., Chestovich, P., Kuhls D. Injury burden of On-vs. Off-road vehicular crashes in Nevada: A comparative analysis. Clark County Medical Society; Las Vegas. NV; January 2022

AWARDS & ACHIEVEMENTS

The Public & Community Health Benefit Scholarship for significant internship, SCHS, UNLV (\$1,000)
April 2016

The Patricia Sastaunik Scholarship, Graduate College, UNLV (\$2,500)
May 2016

The UNLV James F. Adams/GPSA Scholarship (\$1,000)
May 2016

The UNLV Graduate Access Childcare Scholarship (\$3,000)
May 2016

Best Faculty of the Year Award, Arizona College, School of Nursing, Las Vegas, Nevada (\$500)
December 2016

The Patricia Sastaunik Scholarship, Graduate College, UNLV (\$2,500)
May 2017

The UNLV Graduate Access Childcare Scholarship (\$2,250)
August 2017

The Patricia Sastaunik Scholarship, Graduate College, UNLV (\$2,500)
May 2018

The Patricia Sastaunik Scholarship, Graduate College, UNLV (\$2,500)
June 2019

The Summer Session Scholarship, UNLV (\$2,000)
May 2019

Grad Slam Preliminary (1st place) and Semifinals Winner (3rd place)
November 2019

The Grad Rebel Finishing Fellowship (\$12,000)
January-May 2020

Recipient of Graduate College Medallion
May 2020

Recipient of Employee Appreciation, Office of Analytics, Nevada Department of Health and Human Services
May 2021

Outstanding Immigrant Health Professional for 2021 Award, Health for All Inc. December 2021