2021 Health and Biomedical Sciences Summit On Demand Sessions

SESSION TITLE	PRESENTERS	TRACK	SESSION LEARNING OUTCOMES
Family Breakdown: The Origin Of Social & Medical Upheaval	*David Bissonnett, Penny Knoblich & Mary Hadley*	*Economic Stability*	1. The audience will understand that the true cause of obesity is strongly associated with the breakdown of the family 2. The audience will be able to identify obesity as a symptom of a much broader social malaise, recognizing the importance of treating obesity from a multifactorial approach aimed at ensuring family stability and integrity. 3. The audience will learn that the causes of the obesity epidemic are the same as those behind the epidemics of depression, anxiety, substance abuse, risky sexual behavior, sexually transmitted infections, child adverse effects, and loneliness
Healthcare for Vulnerable Population Groups: A Qualitative Study of Experiences in Healthcare Service Accessibility among Somalis Immigrants in Central Minnesota	*Sudarshana Bordoloi*	*Economic Stability*	1. Create knowledge base for addressing healthcare needs for vulnerable immigrant population groups in Minnesota. 2. Provide a framework to study the complex relationship between socio-spatial backgrounds of immigrants and the healthcare system. 3. Generate community participation and involvement to address unmet community needs in healthcare.
Opening Doors in Rural Communities to Those Who Are Homeless, In Addiction Recovery, Survivors of Domestic Violence and Isolated in Rural Communities	*Emmy Buboltz & Ann Thompson*	*Economic Stability*	1. Understand how collaboration of lawyers, a community health center and engaged funders work together to impact individual and community health in a rural area larger than the state of Massachusetts with high levels of rural isolation and relatively recent cultural and language diversity. 2. Identify innovative practices for spotting and addressing legal problems impacting social risk factors (social determinants) of health of individuals who are homelessness, in addiction recovery, survivors of domestic violence, and isolated in rural communities, including collaborative outreach/marketing; robust cross consultations; cross training between lawyers and health care providers; and collaborative leadership. 3. Become familiar with methods/techniques for identifying and addressing legal problems impacting individual and community health through clinics utilizing lawyers to spot legal problems impacting individual and community health.
Social -Cultural Basis of Health and Diseases among African Immigrants in Minnesota	*Agnes Odinga-Oluoch*	*Economic Stability*	1. 1. Provide an understanding of different cultural meanings associated with health and diseases among African immigrant communities 2. Examine system and structural barriers which have implication on the health of immigrant communities especially those of African descent.
Artificial Intelligence for Biomedical Image Recognition: Opportunities & Challenges	*Dr. Rajeev Bukralia*	*Education*	1. Discuss deep learning and its application in biomedical image recognition. 2. Discuss the challenges associated with artificial intelligence (AI). 3. Share the AI research opportunities at MSU, Mankato
Mental Health Literacy in Middle School and College Students	*Emily Schiltz*	*Education*	1. Identify how literate students are on topics covering mental health and mental disorders 2. Identify where students are receiving their education on these topics 3. Discuss how educators and professionals can work together to improve the literacy of students of all ages on these topics
The Effect that a Regional Children's Museum has on the Health & Wellness of Children and Families in Southern MN	*Heather Von Bank & Louise Dickmeyer*	*Education*	1. Participants will engage in discussions and activities to learn how play is the instrument of children's development. 2. Participants will explore the developmental domains and find ways that professionals can support children's access to play 3. Participants will learn about ways that the Greater Mankato, and Southern MN communities are promoting play across the early childhood years.
Understanding the Nurse-Family Connection: Exploring the Role of Immediacy with Practicing Nurses	*Kristen Treinen*	*Education*	1. Explain and define the role of immediacy in nurse-family communication 2. Explore strategies to enhance nurse-family communication

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Analysis of technology use across healthcare systems to manage patient's care	Pawan Bhandari	*Heatlhcare Access and Quality*	1. Understanding of how healthcare system works from the eyes of the patient 2. Understand the extent of technology use in healthcare systems 3. Learn about the advantages and disadvantages of technology use in healthcare sector
Females and Addiction: Biological Sex Differences	Amy L. Haycraft	*Heatlhcare Access and Quality*	1. Identify the biological, behavioral, and social differences between male and female alcohol use disorder 2. Understand the complexity of interactions influencing female substance use patterns 3. Review gender specific treatment strategies
Surviving Leukemia, Sustaining Self, Narrating Illness: An Autoethnography of Cancerland	Steve Buechler	*Heatlhcare Access and Quality*	1. Learn how complex, prolonged, medical treatment is experienced by patients; 2. Learn about coping strategies beyond "positive thinking" that promote healing; 3. Learn about the therapeutic value of writing one's story throughout a prolonged illness.
African-American Women and Social and Physical Determinants of Obesity: How Do We Use What We Know to Make Further Progress	Daheia Barr-Anderson	*Neighborhood and Built Environment*	1. Describe the prevalence of obesity in African-American women nationally and in Minnesota 2. Understand social and physical determinants of obesity in African-American women 3. Explain strategies that have been utilized in the past to influence obesity in this population 4. Identify new, potential strategies to address obesity management in African-American women
Built Environment and Physical Activity Promotion	Corey Selland	*Neighborhood and Built Environment*	1. Understand how aspects of the built environment can promote or hinder physical activity. 2. Explain how enhancing access to workplace, school, or leisure destinations promotes physical activity. 3. Describe the difference between micro-environmental and macro-environmental design and how each contributes to physical activity promotion
COVID-19 and the Impact on Psychological Wellbeing	Thad Shunkwiler	*Neighborhood and Built Environment*	1. Define how COVID-19 has impacted psychological wellbeing 2. Explore the racial inequities of the impact of COVID-19 on psychological wellbeing 3. Discuss how building resilience can help in overcoming the negative psychological impact
Health Disparities and Bed-Sharing Debates	Laura Harrison	*Neighborhood and Built Environment*	This presentation will inform participants about the intersectionality of health disparities and community-based health activism in the midwest
Leisure, Health, and the Cultivation of Awe	Jonathan Hicks	*Neighborhood and Built Environment*	1. Better understand the roles of awe and leisure in enhancing health 2. Identify strategies to cultivate awe in daily life
"Everything is not okay": Social Media's Role in the Gen Z Anxiety Epidemic	Jennifer Londgren	*Social and Community Context*	1. Define anxiety and outline symptoms of anxiety faced by adolescents 2. Outline current social media trends among adolescents 3. Describe interconnection between social media and anxiety 4. Describe interventions on anxiety management and tips for best practice of social media
Impact of Sport Socio-Culture on Student-Athlete Mental Health	Michelle McAlarnen	*Social and Community Context*	1. Discuss sport socio-culture and its influence on student-athlete population, particularly mental health presentation 2. Share strategies to notice and support student-athletes embedded in this socio-culture.
Reducing Health Disparities Through Tobacco Prevention and Policy Change	Mary Kramer & Pat McKone	*Social and Community Context*	1. By the end of the session the participant will be able to describe the impact of tobacco-free policies. 2. By the end of the session, the participant will name at least one action step they could take to advocate for an improved neighborhood and physical environment.
Responding to Verbal Aggression: Observer Opportunities for Action	Kristen Cvancara	*Social and Community Context*	1. Awareness of the tactical use of verbal aggression and its negative impact on well-being 2. Recognition of verbal aggression - what it sounds and feels like 3. Strategies for being an advocate to disrupt verbal aggression and restore more constructive patterns

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