

Session 1B: Issues in Health and Education for Sustainable Growth

Friday 2:00PM PDT

Zoom Moderator: James Pomfret, GASI

By Design or Default? Students' Creativity in Rehabilitation and Sport Science Courses

Emese Ivan

St John's University

University-industry collaboration plays an important role in creating programs that are attractive to students, lead to competent, employable graduates and the local impact of the universities. However, academic and industrial realms can operate with different assumptions and routines. This can lead to mismatches in expectations as well as missed opportunities for fruitful collaboration. This paper explores the perceived value of participating in an interdisciplinary sport-health design course, where integrated models of care meet social justice education programs and initiatives. Partners and participants were interviewed in the two project based courses to track what value they expected from the course and what value they perceived to be delivered. The drivers behind the expected value of the outcomes could be divided into novelty, concreteness, and validation. However, it also revealed the different types of value identified in this paper can help to form vocabulary for joint understanding in project-based innovation courses - related to social and physical rehabilitation services in health and/or sport industries worldwide. Hopefully, the presentation adds also value and can be applied to numerous ongoing projects related to quality education under SDG #4 .

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Why Sustainable Productive GDP Growth Matters?

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Nations' political leaders are obsessed with GDP growth, for its own sake. This leads to misdirected and misinformed public policies. Excessive balance of trade deficits and currency exchange value decreases have become part of GDP in international business transactions, and in global engagement. A nation cannot sustain productivity in the high-end technologies such as computer chips, automobile parts, AI, robotics, heavy equipment, trucks and cargo ships and planes, unless human capital of younger population is harnessed, and nurtured for productive use. This necessarily includes intergenerational transfer of knowledge and productivity accumulation. This research compares GDP of nations, and why some nations do better than others.

Confidential, proprietary information

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Incidence and Prevalence of Chronic Diseases Worldwide and Its Associated Global Health Perspective.

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Purpose: The purpose of the research is to conduct systematic reviews and synthesis of existing knowledge that address the growing incidence and prevalence of chronic diseases across the world and its impact to public health in relation to communicable diseases.

Principal results: A careful compilation and summary of 15-20 peer-reviewed publications from reputable databases such as PubMed, MEDLINE, CINAHL and other peer-reviewed journals indicate that Global pandemic of Chronic diseases (such as diabetes, high blood pressure, etc.) have become a greater public health burden in proportion as compared to communicable diseases.

Significant conclusions: Given the complexity of the situation, efforts and strategies to mitigate the negative effect of Global Pandemic of chronic diseases within the global community must include not only urgent and binding commitment of all stake holders but also a multi sectorial long-term approach to increase the public health educational approach to meet the increasing world population of over 8 billion people and also the aging population as well to meet the complex challenges of chronic diseases.

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The Effectiveness of Assertive Community Treatment

Kimberly Wilson

Arkansas State University

Individuals with schizophrenia often face many challenges adjusting to living in the community when transitioning out of in-patient facilities. Without proper support, these individuals may lack the resources, social skills, and life skills that would help them transition to independent living. Assertive Community Treatment (ACT) is often a treatment used to help make that adjustment easier on an individual with schizophrenia. This research aims to investigate the effectiveness of assertive community treatment as an intervention for those diagnosed with schizophrenia. There has been a lot of research investigating the effectiveness of assertive community treatment as an intervention for schizophrenia, but it is often a quantitative study. These studies often focus on statistics and numbers. For the purpose of this research, a mixed methods focus will be utilized. This research will focus on statistics as other studies have done, but it will also place a focus on a qualitative factor: interviews with individuals diagnosed with schizophrenia who are receiving ACT services. This study will focus on the effectiveness of ACT services in many areas: investigating if statistics show a reduction in in-patient stays, data that shows a reduction in symptoms, and semi-structured interview answers that show how effective the clients themselves believe it to be. This study also aims to determine what the clients who receive these services perceive to be strengths and weaknesses of this type of treatment.