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A meta-analysis of evidence synthesis for a healthy campus built environment by adopting active design approaches to promote physical activity**Sweyda Abdullah Azeez***Salahaddin University, Iraq*

Statement of the Problem: The spread of chronic diseases, particularly obesity, has become a significant social issue on a global level concerning human inactivity and unhealthy behavior. The new approach to active design introduced by AIA and Sport England to increase human activity through physical activity in the built environment includes certifications such as Fitwell and LEED. An active design is any design feature that encourages physical activity, thus encouraging the user to be physically, mentally, and socially active in the built environment. This study aims to assemble evidence on the active design approach through physical activity in the campus built environment.

Methodology & Theoretical Orientation: Using a meta-analysis approach and statistical analyses combination with healthy behaviour theory. There were 1993 papers identified during the search; following the screening, eligibility, and inclusion stages, 10 studies that addressed physical activity in colleges and universities were chosen.

Findings: Findings indicate that physical activity has a positive impact on human health in the built environment. I^2 is (96.38%), which indicates considerable heterogeneity with $p < 0.0001$ and an absence of publication bias. Accordingly, a model was designed to integrate an active design approach and healthy behavior theories for future research.

Conclusion & Significance: Overall, the evidence shows the importance of active design and physical activity for a healthy built environment to achieve healthy social behavior, depend on Piggin's definition physical activity categorized into three category the individual is physically active, mentally active and socially active, thus healthy behaviour theory have crucial role in this achievement this could be seen in designed model.

Biography

Sweyda Abdullah Azeez received the B.Sc. in architectural design from College of Engineering, Architectural department, Salahaddin University, Erbil (2012). The M.Sc. degree in architectural design from Salahaddin University, Erbil, (2017). During working on research "Role of office layout typology in saving time and distance spent by users: Case of office buildings in Erbil city". She discovered that architectural design indirectly effect on human psychology. She choose to pursue a PhD in this discipline, with an emphasis on active design, healthy built environments, and healthy behaviour. Unfortunately, she encountered numerous issues during my literature review.