



***Intervention Co-Creation via Human-Centered Design:  
Improving Implementability to Meet User Needs***  
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Many implementation efforts fail because of a disconnect between the interventions themselves and the real-world requirements and constraints of community settings. Human centered design (HCD) is a field that grounds the development of a product in understanding the needs and preferences of people who will ultimately use it. HCD shares implementation science's goal of supporting the adoption of new innovations and provides specific methods through which to achieve co-creation goals during implementation processes. This presentation will provide an overview of HCD; describe the overlapping objectives of HCD and implementation science; and discuss opportunities to better integrate the two in order to design solutions that enhance the reach and effectiveness of psychosocial interventions that address social, emotional, and behavioral problems.

Aaron Lyon, Ph.D., is SMART Center Co-Director, Associate Professor in the UW Department of Psychiatry and Behavioral Sciences, and a licensed clinical child psychologist. He also directs the Methods Core of the UW ALACRITY Center (<https://www.uwalacrity.org/>) and is Associate Editor for the journal Implementation Research and Practice (<https://journals.sagepub.com/home/IRP>). Dr. Lyon's research focuses on increasing the accessibility, efficiency, and effectiveness of community- and school-based interventions for children, adolescents, and families. He is particularly interested in (1) the identification and implementation of low-cost, high-yield practices – such as the use of measurement-based care – to reduce the gap between typical and optimal practice in schools; (2) development of individual- and organization-level implementation strategies to promote adoption and sustainment of evidence-based psychosocial interventions within a multi-tier systems of support (MTSS) framework; and (3) human-centered design (and redesign) of psychosocial and digital technologies to improve their implementability, accessibility, and effectiveness. Dr. Lyon is Principal Investigator on multiple active grants from the National Institute of Mental Health, the Institute of Education Sciences, as well as additional sponsors.