Development and Application of Novel Methodologies to Improve and Expand Research in Kinesiology and Nutrition
Paul R. Hibbing, PhD

Outline

• Introduction

• Contributions to Energy Balance Assessment

• Emerging Focus on Sleep & 24-hour Epidemiology

• Next Steps & Potential Collaborations

• Wrap-Up

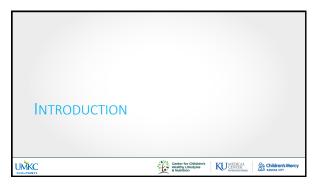
• Q&A

\*\*Contributions\*\*

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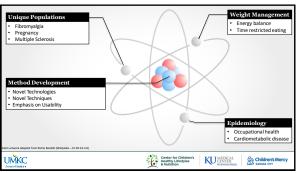
Academic & Scientific Background

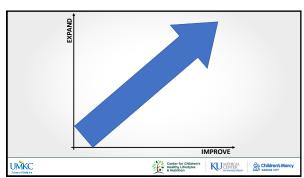
• lowa State: B.S. (2014), M.S. (2016)
• University of Tennessee, Knoxville: Ph.D. (2020)
• Wearable Devices Methodologist
• Physical activity and energy expenditure
• Youth and adults
• Postdoctoral Emphases
• Sleep/24-hr epidemiology
• Energy balance (weight management/nutrition)

\*\*Contractivity\*\*

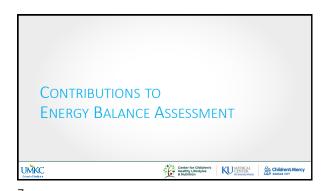
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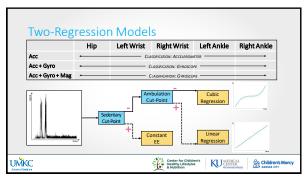


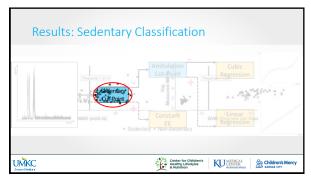
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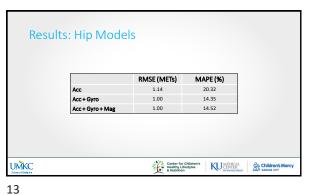


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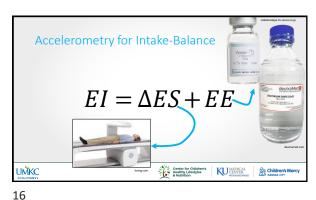


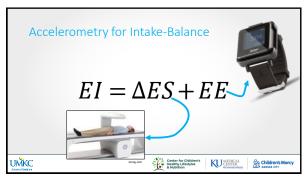
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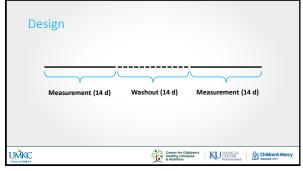


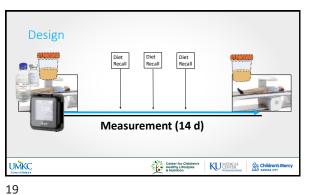


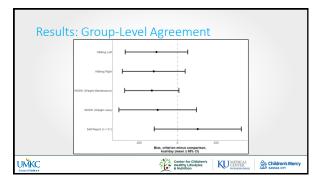


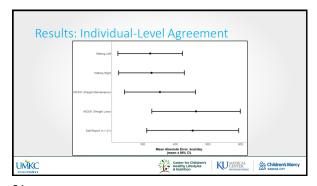












Takeaways • Comparable with other methods at group level • Notable individual-level gains • Handedness not a strong factor in accuracy • Utility may be context dependent · Manuscript/R package under development UMKC Center for Children's Healthy Lifestyles & Nutrition KU MEDICAL CENTER To descrip of faces Children's Me

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