



UNIVERSITY of MARYLAND  
SCHOOL OF MEDICINE

# BIRCWH Monthly Meeting

## Progress & Next Steps

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Division

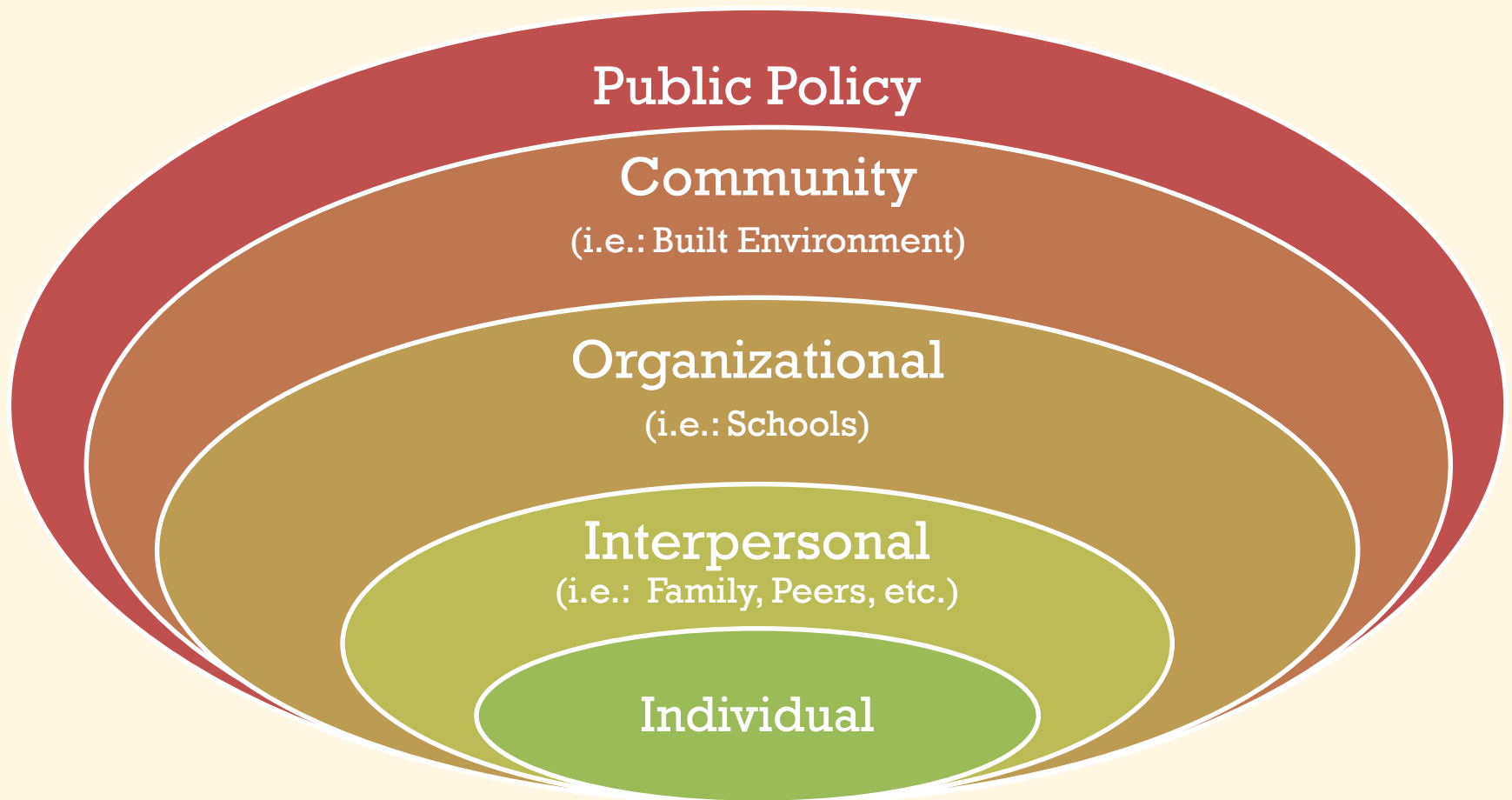
Department of Epidemiology and Public Health

# This is What We Do

## **Growth and Nutrition Division, Department of Pediatrics**

- Interdisciplinary Division: Nutritional Epidemiologist, Statistician, Psychologist
- Primary Focus: Pediatric Obesity Prevention
- Collaborate closely with state and local government agencies

# This is What We Do



Bronfenbrenner, 1979

# This is What We Do

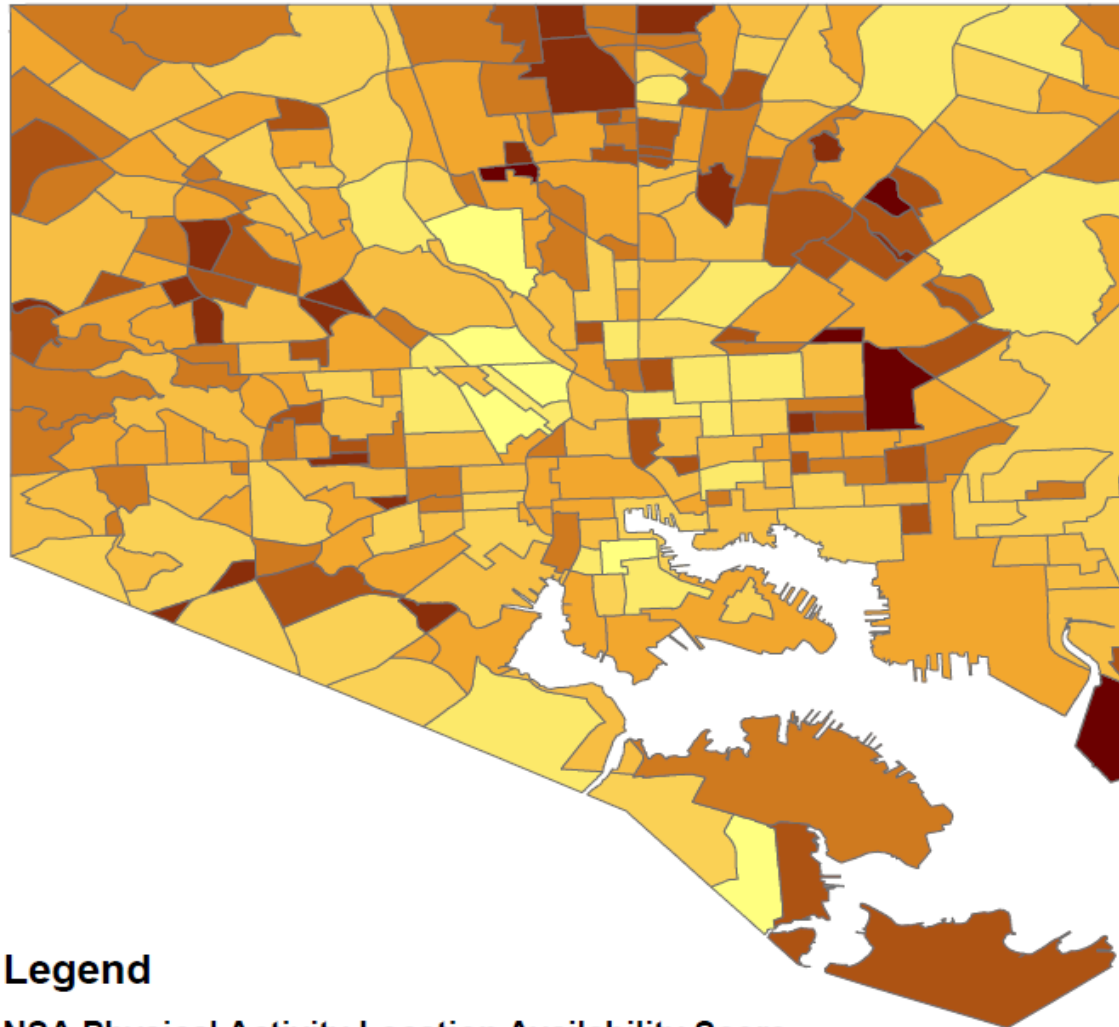


# This is What We Do

## Ongoing geospatial projects:

- BIRCWH K12 Career Development Award (Hager)
  - BIRCWH mentor Dr. Hungerford
  - GIS mapping/spatial statistics training
  - Using existing data set to examine factors in the built environment associated with dietary and physical activity behaviors of adolescent girls
- UMB-UMCP Collaboration with Dr. Loboda
  - Student support: Alexandra Cockerham, MS
- Papers in Progress:
  - Food Swamps and Food Deserts: Associations with Dietary Behaviors among Urban Adolescent Girls
  - Access to Physical Activity Sites near the Home/in the Neighborhood and Objectively Measured Physical Activity among Adolescent Girls
    - Baltimore City Physical Activity Mapping Project

## Baltimore City Physical Activity Location Availability Score (PALAS)



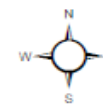
### Legend

NSA Physical Activity Location Availability Score



0 1 2 3 4 5 6 7 8 9

0 0.75 1.5 3 Miles



# Near-Term Interests in Geospatial Collaboration

- USDA grant (under review): hypothesized the built environment around schools may moderate the impact of a school-based obesity prevention study
- Planned R21: built environment near homes and health behaviors of toddlers

# Larger/ Long-Term Ideas

- Public Health GIS courses for MPH students
- Geospatial statistics help
- Continued collaboration with local and state government





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**Thank you!**

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