Defining A Physical Activity Policy And Environmental Research Agenda: Obtaining The Perspectives Of Practitioners And Researchers

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American Public Health Association





- Lisa Grost
- Susan L. Handy
- Jay E. Maddock
- Delores Pluto
- Brian A. Ritacco
- James F. Sallis





- The Problem: 1 in 4 Americans engage in little or no regular physical activity.*
- Possible Solutions:
 - Individual-level interventions
 - Unlikely to affect activity patterns and trends that impact the majority of the population.
 - Environmental and policy approaches
 - Most promising strategies for long-term populationwide change.

^{*}Department of Health and Human Services



Objectives

The objectives of this project are to:

- Obtain input from practitioners and researchers on an agenda for environmental and policy research;
- Prioritize this input into a concise research agenda

Rationale & Unique Contributions of this Project

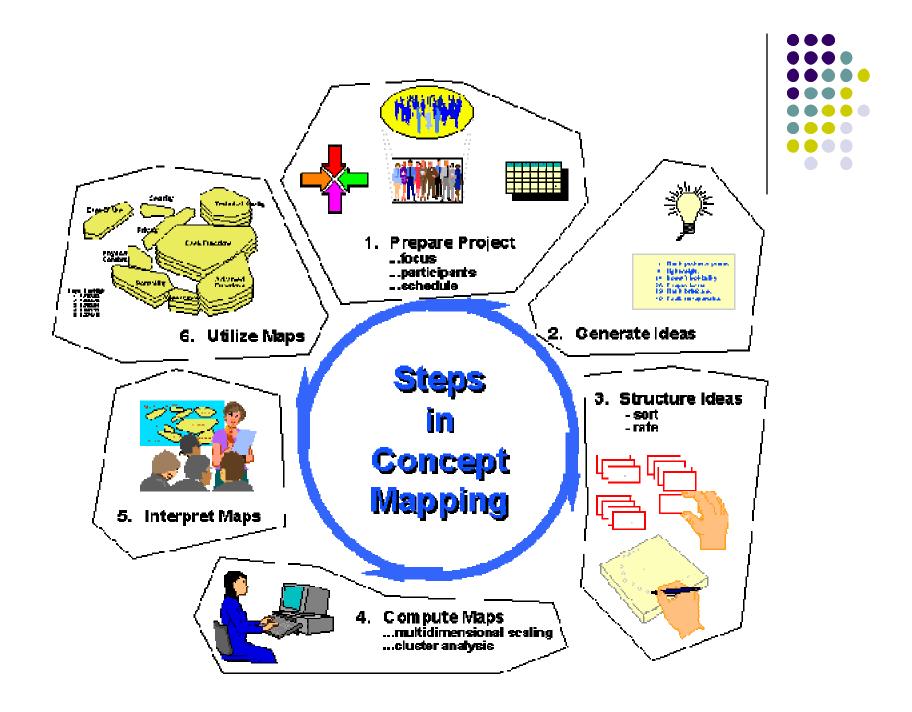


- Evidence-based approaches make sense
- Evidence base for many environmental & policy interventions is sparse
- We sought to utilize
 - Systematic process
 - Inputs from hundreds of individuals who otherwise would not be included (users help set agenda)
 - Rigorous method of reducing information to a meaningful product
- Springboard for future research and improved practice in PA promotion





- Solicit and organize input from many perspectives
- Builds consensus among disparate groups
- Builds knowledge and creates a unique framework
- Provide details and an organized high level shared conceptual framework of actions
- Provide basis for prioritizing actions



The Planning Group Defines the Issue To Be Addressed



Develop a focus



"One research topic that will best inform policy or environmental approaches to physical activity promotion is..."

Identify the Key Informants and Knowledge Leaders



Develop a focus

Identify the participants



Generate Ideas



641 Nominated600 Invited to Brainstorm



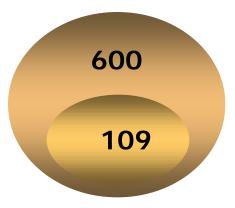
"One research topic that will best inform policy or environmental approaches to physical activity promotion is..."





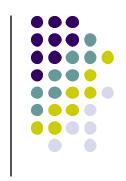
Brainstorming Session: Eliciting knowledge and opinion

- 600 researchers/practitioners were invited to participate.
 - 238 brainstormed
- Participants generated over 600 statements in response to the prompt.
- The statement list was edited for relevance and representativeness.
- Idea Synthesis resulted in a final set of 109 ideas to address the topic.



"One research topic that will best inform policy or environmental approaches to physical activity promotion is..."

Organize Knowledge and Opinion

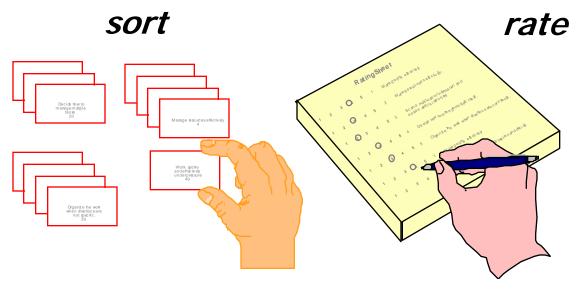


Develop a focus

Identify the participants

Generate Ideas

Structure Ideas



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- Please rate each statement on how important each research topic is relative to the other topics in developing a physical activity policy research agenda.
 - 0 = Not Important
 - 10 = Highly Important
- Please rate each statement on how feasible each research topic is relative to the other topics to implement within the next 5 years.
 - 0 = Not at all feasible
 - 10 = Extremely feasible



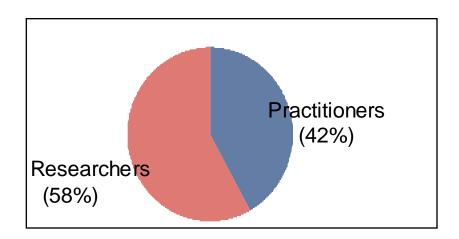


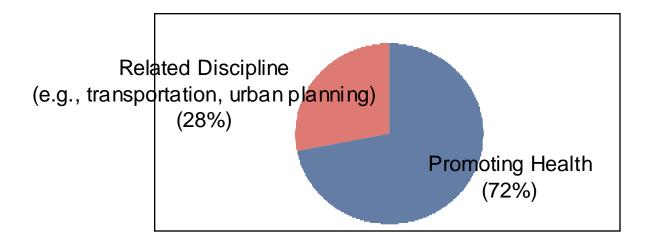
Structuring: Data collection to build the conceptual framework (Sorting and Rating of Ideas):

- 600 participants were invited to rate the 109 ideas on relative Importance and feasibility
 - 107 people (18%) contributed their input on the Importance rating.
 - 88 people (15%) contributed their input on the Feasibility rating.
- 25 people were invited to organize the 109 ideas into conceptually similar piles or themes.
 - 20 people (80%) participated in the conceptual sorting of the ideas.

Participant Characteristics (n = 107)







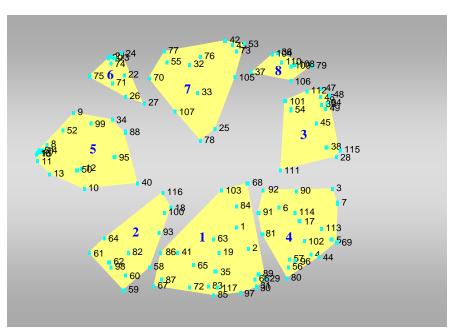
Build the ConceptualFramework

Develop a focus

Identify the participants



Generate Ideas



Structure Ideas

Compute Maps

Each statement in relation to each other

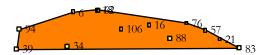


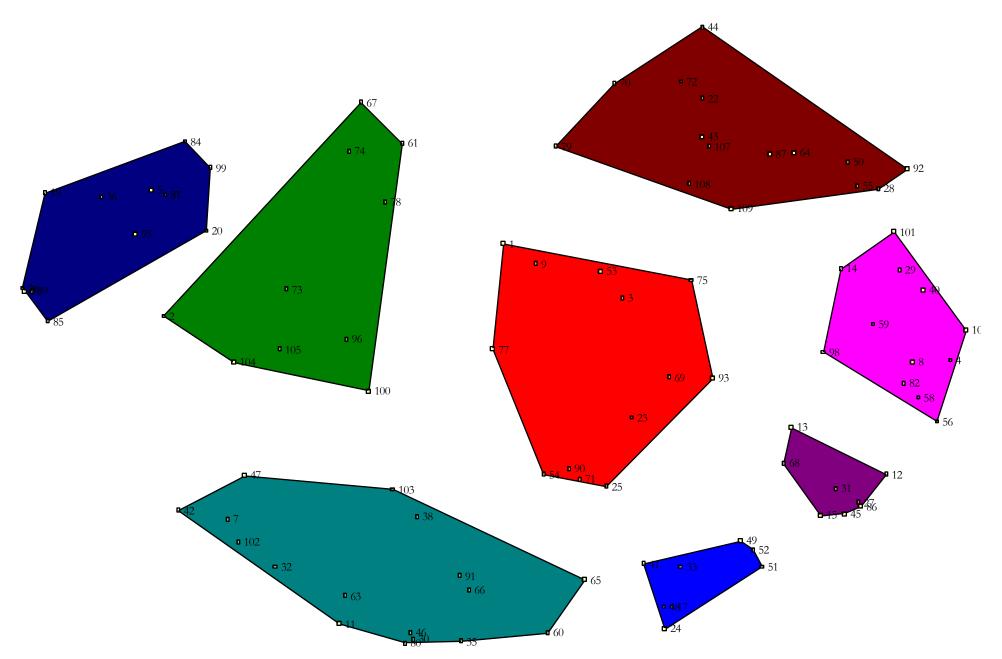
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Conceptually similar ideas are in close proximity 94 39 34 34 34 36 36 36 36 37 36 37 37 38 38

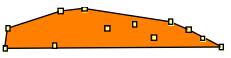


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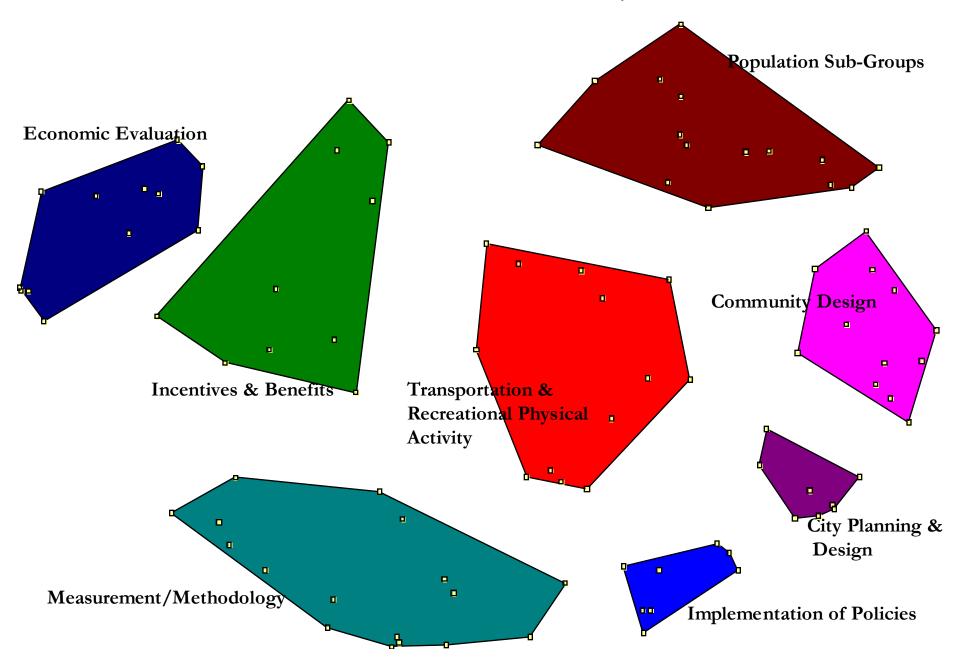




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Schools & the Community



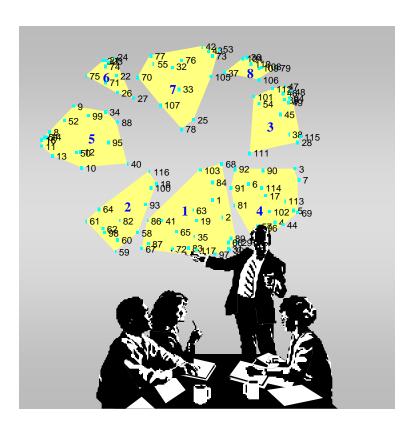
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Turn Data Into Meaning



Develop a focus

Identify the participants

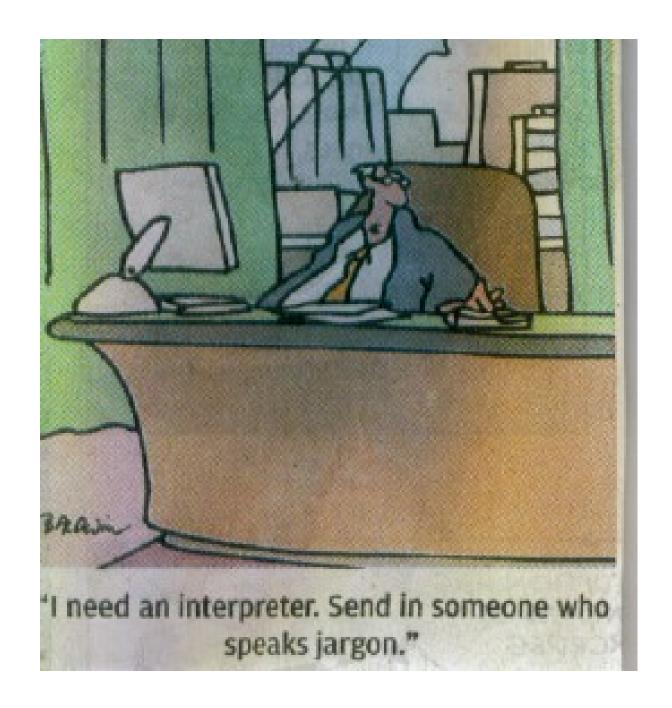


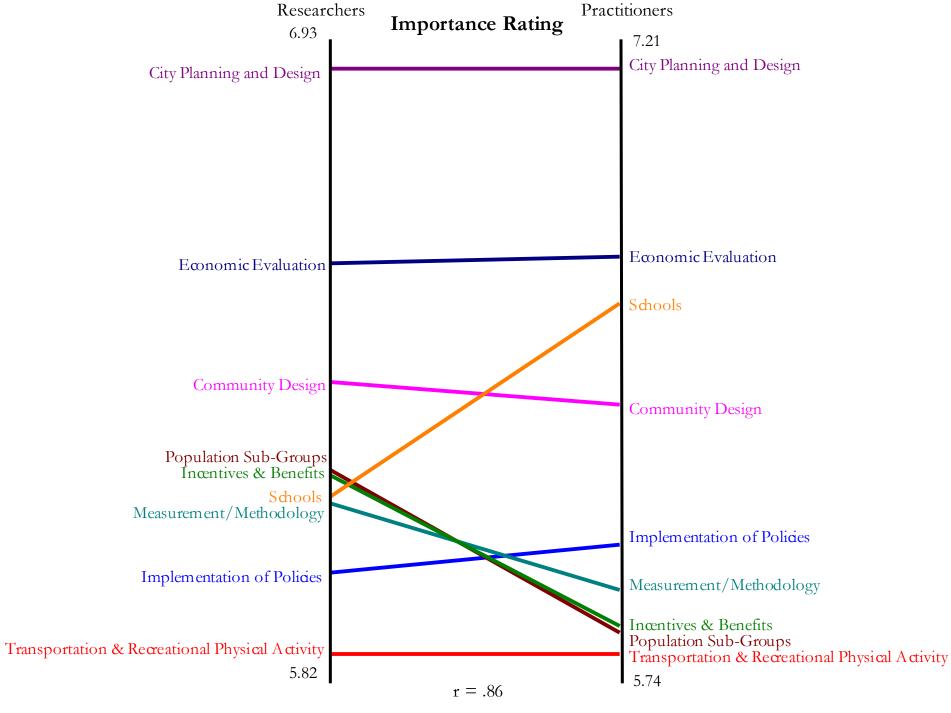
Generate Ideas

Structure Ideas

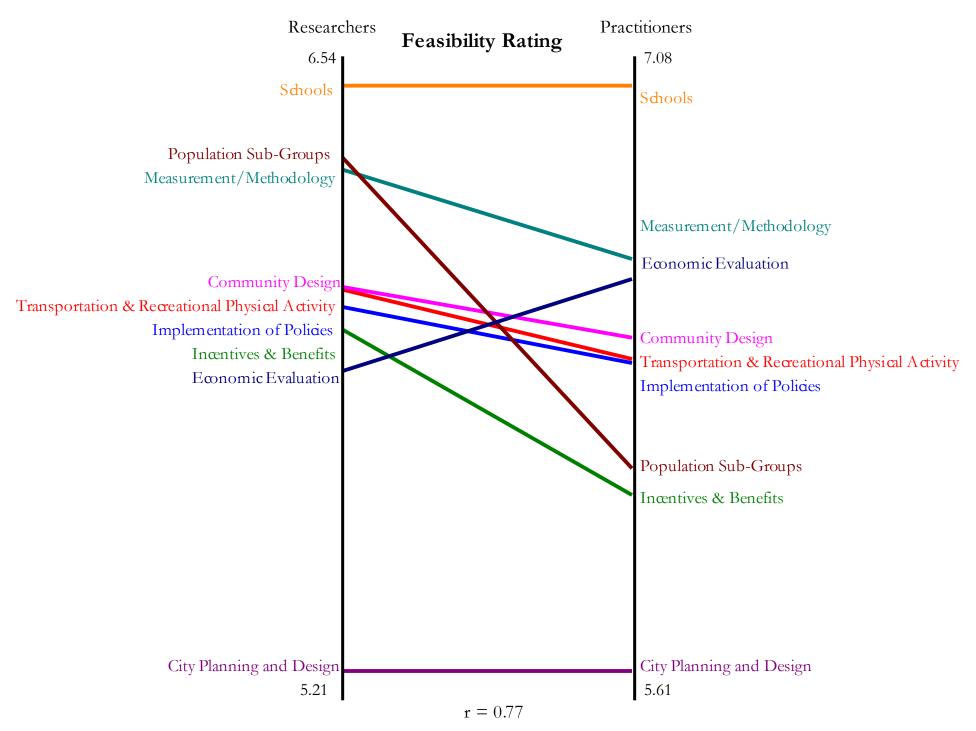
Compute Maps

Interpret Maps

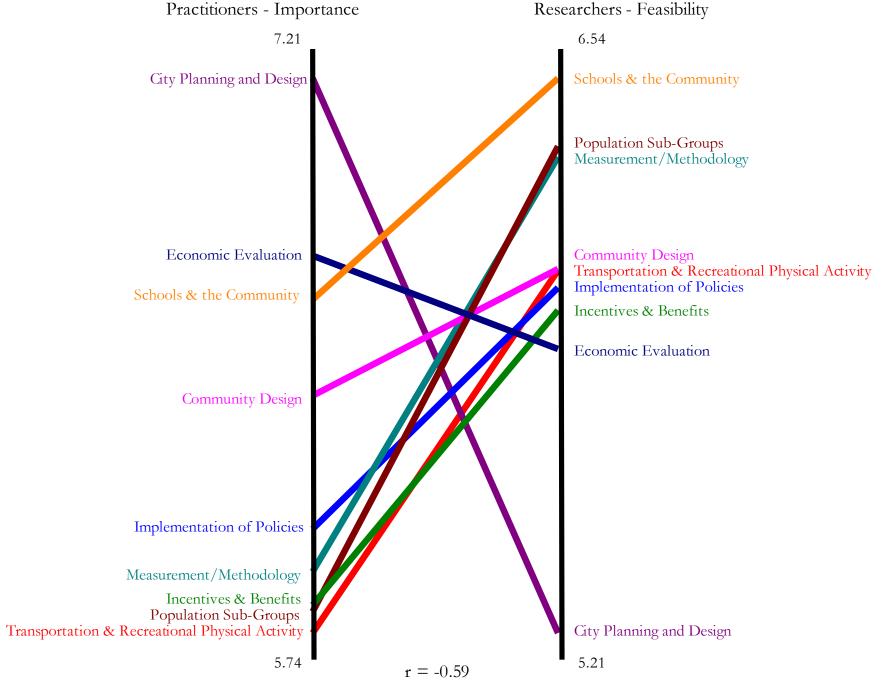




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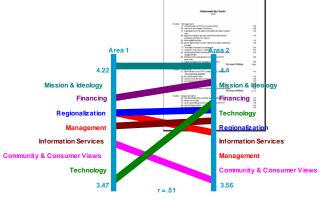
Turn Meaning Into Action

Develop a focus



Identify the participants

Generate Ideas



Structure Ideas

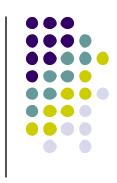
Compute Maps

Interpret Maps

Create Priority Action Areas

Utilize Maps





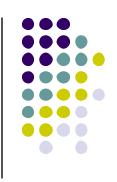
- In-Person Meeting
- 26 individuals from diverse backgrounds
 - Divided into 5 workgroups
 - Discussed 3 main questions
 - 1)What are some tools/methods that would be useful in studying each issue?
 - 2)How might various disciplines and professions work together to address these research areas?
 - 3) What actions need to be taken to move this research agenda forward as quickly as possible? By whom?





- Need for more specific surveillance tools for research topics
- Results and tools needs to be geared toward a broader audience of individuals and groups
- Evaluation of "natural experiments"
- Include qualitative and participatory components
- Need better ways of communicating among the different disciplines so that work is not duplicated





- Implementation of this research agenda will require...
 - coordination and strategic planning
 - long term commitment from funders
 - recognition of the top research priorities
- Agenda provides a springboard for action





- Journal of Physical Activity & Health
 - "Environmental and Policy Approaches for Promoting Physical Activity in the United States: A Research Agenda"
- Physical Activity Policy Research Network
 - Continued funding





- Centers for Disease Control and Prevention (through the Physical Activity Policy and Research Network)
- RWJF via Active Living Research
- National Society of Physical Activity Practitioners in Public Health
- National Association of Chronic Disease Directors
- Directors of Health Promotion and Education