Study teams and authorship

MATHEMATICAL MODELING FOR INFECTIOUS DISEASE PLANNING IN AFRICA

(30 minutes)

Why teams?

For your projects

- The goal is to use mathematical models to answer a policy question and to use those results to influence policy in your country.
  - What expertise is represented in your team?
  - What expertise is missing and can be brought by others?
    - Content expertise, technical expertise, data access and use expertise, study integration expertise.
  - Are there other key players to engage to facilitate your goals?
    - Who has investment or ownership in the research?
    - Who can help with different road blocks?
    - Who can make sure that the interpretation of results are appropriate for context?
    - Who can make sure results will affect programs?

How big or how small?

- You want the team big enough to cover the necessary expertise and to generate new ideas.

- You want the team small enough to be manageable, to be engaged, and to feel valued.

Study Team → Authorship

- Not all of these projects will go to publication; but it is never too early to think about that possibility and who authors would be.

- Authorship raises the stakes.
  - Excluding people may be more notable and cause conflict.
  - Including people may cause delays and cause conflict.

Roles and Responsibilities

Principal Investigator(PI):

- Primary responsibility for achieving the technical success of the project

- Responsible for the management and integrity of all aspects:
  - design, conduct, and reporting
  - ensuring the integrity of any collaborative relationships

- Responsible for paper writing, data analysis and interpretation of the results

Roles and Responsibilities

Co-Investigators (co-Is):

- Support the PI
- Participate in all meetings
- Read and give feedback on progress of the research
- Help in data collection when needed
- Help in data analysis and interpretation of result
- For authorship, must actively participate in review, editing, and interpretation of results

Authorship

- To be an author on a paper, must meet three conditions:
  - Substantial contributions to conception/design, acquisition of data, analysis or interpretation of results.
  - Drafting the article or critically reviewing the article.
  - Give approval for final version of article.

International Committee of Medical Journal Editors

Authorship Order

- First author: The leader
  - Leads the drafting of the manuscript
  - Responsible for moving paper along
- Senior (last) author: The “thought” leader
  - Program lead, PI, or primary mentor
- All other authors will be listed in order of contribution.

Contents lists available at ScienceDirect

Annals of Epidemiology

journal homepage: www.annalsofepidemiology.org

Original article

SARS-CoV-2 transmission potential and rural-urban disease burden disparities across Alabama, Louisiana, and Mississippi, March 2020 – May 2021

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Original Paper

The Effect and Feasibility of mHealth-Supported Surgical Site Infection Diagnosis by Community Health Workers After Cesarean Section in Rural Rwanda: Randomized Controlled Trial

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Vaccine

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Estimating vaccination threshold and impact in the 2017–2019 hepatitis A virus outbreak among persons experiencing homelessness or who use drugs in Louisville, Kentucky, United states

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Authorship vs Acknowledgements

- Acknowledge individuals who made contributions, but do not meet the three criteria.
- Note, if these projects are published, we will ask that you acknowledge the training program, and will provide you language to do so.

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Data officers Janet Umuhoza, Liliose Mukantaganzwa and Wellars Ndayambaje; community health workers and supervisors in southern Kayonza; Rwinkwavu District Hospital Medical Director Adolphe Karamaga and Community Health Supervisor Denys Ndanurura; and members of the PIH DDCF team Karen Finnegan, Megan Murray, Michael L. Rich and Tom Nicholson.

Comments about authorship

- Should be spelled out early:
  - First and Last authors – at the start of the study
  - All other authors should be determined at the start of drafting the paper.

- Order should be recommended by first and last authors, but approved by study team.
  - It is ok to do this in a late stage draft. In earlier stages, would put:
    - **First author(s):**
    - **Senior authors(s):**
    - **Co-authors:** In alphabetical order, final order To Be Determined

Who is on your team?