La Red Global de Salud LAC

Fortaleciendo las capacidades de investigación e innovación en salud en Latinoamérica y el Caribe (LAC).
PATHFINDER STUDIOS

• Practical approach that focuses on the methodology used in health research and uses process mapping to identify barriers and solutions found during the health research cycle to share best practices.

• The idea is that research teams can easily conduct Pathfinder Studies to accomplish two things:
  ○ (1) track and map the health research and data process and
  ○ (2) allow new questions to be asked of existing data sets or generate primary data

• The aggregate learning from many Pathfinder studies can determine where common obstacles exist in the process or operational execution of data-driven health research and develop solutions to mitigate them.
Tracking component steps involves several things:

- (1) capture key metrics such as time needed and resources needed,
- (2) record how each step was carried out,
- (3) note the tools and methods that allowed the generation of new evidence and
- (4) capture challenges and solutions.
...generating new information (PRIMARY DATA)

HOST STUDY COMPONENT STEPS

Select study design

Population &
target outcomes

Quality control
mechanism

Ethics &
engagement

Data
management

Reporting &
dissemination

...asking new questions of existing data (SECONDARY DATA)

HOST STUDY COMPONENT STEPS

Select research question

Identify a
dataset

Governance &
ethics

Data quality &
standards

Data analysis

Reporting &
dissemination

The host study is...
METHODOLOGY FOR PATHFINDER STUDIES

- Criteria for selecting a host study
- Ethical considerations
- The tools
- Mapping the data cycle study process
  - Qualitative evidence to understand the steps taken, the processes and the barriers encountered
  - Documentation of tools, processes, methods, training
- Analysis of data arising from the host study

TOOLS
1. Methodology document (coming soon)
2. Pathfinder Project Protocol
3. Data capture tool (Tracker)
4. Qualitative response (soon)
5. Terms of Reference Document
ENGAGEMENT AND KNOWLEDGE TRANSLATION: communicating and improving while doing

Iterative Pathfinder Process

Data Reuse

Host Study Planning

Identify a host study and identify host and Pathfinder teams

After the Study

Mapping Host Study

Track and record metrics of the host study

Host Study Identifies Barrier

Support sought and solution identified

Consider additional research that could be done with the data

Communicate findings of Pathfinder study and host study, where applicable, and share data
simple process mapping matrix...

<table>
<thead>
<tr>
<th>Description</th>
<th>Metrics: time, resources, costs</th>
<th>Outcomes, challenges, solutions, tools</th>
<th>Links to resources and training</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Planning</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Management &amp; Access</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Analysis</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outputs &amp; Impact</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stakeholder Engagement</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Guide and enable the host study to generate new, faster, high-quality knowledge and evidence.

Enable hands-on learning and skill development for the study team and your institution as areas of difficulty are discovered and resolved iteratively.

Steps and solutions create a process map that can guide methodologies.

Helps expand and strengthen the data ecosystem for the study host institution.

Other teams can benefit from the solutions, tools, training and systems.
PATHFINDER STUDIES

- It may be directed by the host studio team or by a different team.
- Any group can do it: simple and generating powerful results that can be shared.
- Highly adaptable to all types of studies, including size, complexity, duration and design.
- It can be used as a “learning by doing” tool for inexperienced research teams to guide them along the way.
- Good opportunity for study team members to gain experience in methodological research.
PATHFINDER

BIRTH IN BRAZIL II

- Website (pt, eng, spa)
- Map about the study cohorts and their impact.
- Agent and Stakeholder Panel
- Tracker - improving qualitative methodology
- Pathfinder Report: Challenges, Solutions and Lessons
- Data management and exchange policy for NBII
- Arca Data Repository

Read more....

https://fiocruz.tghn.org/health-topics/projetos-pathfinder/pathfinder-nascerno-brasil-ii/
BIRTH IN BRAZIL II

DASHBOARD

Number of agents according to total time spent on research in months

Total time spent on research in months

Number of Agents

759 Agents

Proportion of agents according to institution group

Proportion of agents according to role in the research

Hospital interviewer (NB2) 26.1%

Medical Records Collector (NB2) 37.7%

State Coordination 8.1%

Facilitator in disseminating research 6.2%

Core Team 2%

Central Coordination 1.3%
BIRTH IN BRAZIL II

DASHBOARD

Number of agents according to total time spent on research in months

759
Agents

Total time spent on research in months

Proportion of agents according to institution group

Proportion of agents according to role in the research

Hospital interviewer (NB2) and Medical Records Collector (NB2) 37.7%

Hospital interviewer (NB2) 26.1%

Ethics Committee 7.7%

Medical Records Collector (NB2) 7.2%

Facilitator in disseminating research 6.2%

Core Team 2%

State Coordination 8.1%

Centres Coordination 1.3%
PATHFINDER
MARÉ VACCINE

- Website (pt, eng, spa)
- Map about the study cohorts, timeline and articles.
- Agent and Stakeholder Panel
- Tracker + Process Map
- Pathfinder Brief: Challenges, Solutions and Lessons
- Data repurposing: The impact of the first year of the COVID-19 vaccination strategy (presented at BMJ Open)

Read more....
https://lac.tghn.org/proyectos-pathfinder/pathfinder-vacina-mare/
WEBINARIO
Introducción a R para ciencia de datos en salud
25 oct 2023, 8:00 (Brasilia), 12:00 (Londres),
13:00 (Ciudad del Cabo),
17:00 (Dhaka)

WEBINAR
The use of REDCap beyond surveys and typical databases:
Efficiency in research
Dec 14 2023, 13:00 GMT / 10:00 GMT-3 (BR/AR)
REGISTER
Tools to foster engagement and mobilization in public health (October 20, 2023)

Highlight the initiatives of the LAC Global Health Network and the Fiocruz Hub, with specific emphasis on the Vacina Maré Monitoring Tool and the impact of Birth in Brazil on research acceptance.

Additionally, delve into the toolkit creation process, showing examples and addressing challenges, to provide a concentrated view of the innovative toolkit development approach.

Special Guests: Dr. Kay Nathan – BREATHE 2, Universiti Malaya and Dr. Dhiraj Agarwal – KEM Hospital Research Center Pun.
ANOTHER RESOURCES...

• **Tools kit**
  ○ Creation of a panel to monitor data collection (Birth in Brazil)
  ○ Creating a Dashboard for Pathfinder Agents and Stakeholders
  ○ Qualitative Methods for the Pathfinder Process Map
  ○ *Favela and science: how to research in peripheral territories*

• Open source code for Pathfinder Brief design
PATHFINDER TEAM

Flávia Bueno
Amanda Bejar
Larissa Marques
Letícia Marinho
Luciana Krebs
Luisa Picanço
Vitor Martins

Ana Paula Esteves
Cláudio Esteves
Cristiane Bressani
Lais Araujo
Mariana Galante
Soraida Aguilar
- Argentina - TB-TST (tuberculosis treatment support tools): refinement and evaluation of an interactive mobile application and direct monitoring of adherence to tuberculosis treatment results; ii) Antibiotic management

- Brazil – i) InfoGripe; ii) InfoDengue; iii) Implementation of the Biobank

- Colombia - An Amazon in Colombia design and development of community training processes for learning and change

- Dominican Republic – i) Feasibility study of an Observed Video Treatment mobile application to promote adherence to treatment in Tuberculosis: eDOT Study (2021-2024); ii) Study of governance in epidemics

- Honduras - Zika study in pregnancy in Honduras (ZIPH, Zika in pregnancy)

- Peru - i) Multicenter, randomized, controlled clinical trial of single and multiple dose regimens of oxfendazole for mild parenchymal neurocysticercosis (one or two lessons); ii) Single-blind, randomized, controlled, non-inferiority study to compare one and two doses of oxfendazole versus a two-dose triclabendazole regimen to treat chronic fascioliasis
THANK YOU

Larissa Marques - larissa.pruner@fiocruz.br
Laís Araujo - lais.araujo@fiocruz.br