How to Design, Promote, and Successfully Conduct Research in the Community Setting

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PHM 2017

Welcome!

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Disclosures

- We have no relevant financial relationships to disclose
- We do not intend to discuss any unapproved, experimental, investigatory, or off-label drug or device uses

Objectives

- Identify areas for priority in research in community hospitals
- Describe techniques to focus on feasibility and leverage resources available in community hospitals
- Develop or enhance a conceptual plan for a research project in a community hospital
In 2012, children were hospitalized at 3758 general hospitals (GHs) and 50 freestanding children’s hospitals (FCHs).

1.4 million hospitalizations occurred at GHs (72% of pediatric hospitalizations) and 0.55 million occurred at FCHs.

Hospitalizations at GHs accounted for 64% of hospital days in hospital and 50% of pediatric inpatient healthcare costs.

Leyenaar et al, JHM, 2016.

Epidemiology of Pediatric Hospitalizations

Pneumonia
Asthma
Bronchitis
Cellulitis
Dehydration
Urinary tract infection
Chemotherapy
Neonatal jaundice
MENTAL HEALTH
Major depression
Epileptic mood disorders
Bipolar disorder
SURGICAL
Appendicitis without peritonitis
Appendicitis with peritonitis
Supracondylar fracture humerus
Pyogenic sternitis
Acute appendicitis with abscess

$66,536.48
$9,000.00
$19,800.00
$1,500.00
$107,396.620
$36,677.402
$278,605.332
$156,428.706
$20,400.00
$57,269.666

Black = GH, white = FCH
Epidemiology of Pediatric Hospitalizations

- Analysis of the American Academy of Pediatrics Annual Survey of Graduating Residents, 2006-2015 found:
  - 10% of all graduating pediatric residents reported that they were entering PHM (n=593)
  - More than 1/3rd of these reported PHM positions at community hospitals (n=194, 34%)
  - More residents entering PHM at community hospitals had PHM career goals (78%) compared to residents entering PHM at tertiary care centers (67%)

Leyenaar & Frinter, Academic Pediatrics, 2017
Polling Instructions

- Search for this session’s title in the mobile app using the search bar or in the agenda (by day & time).
- Select the session to open the session page and click Live Polls.
- Answer the question(s) under Live Polls by selecting your desired answer(s).
- Select Finish to submit your answer(s).

Which best describes how you spend a majority of your professional time?

- Caring for patients in a community hospital
- Caring for patients in a tertiary care children’s hospital
- Administrative or hospital leadership
- None of the above
Are you affiliated with a university?

- Yes
- No
Do you work with medical students and residents on a regular basis?

- Yes
- No
Use one word to describe how you feel about conducting pediatric research in community hospital settings:
What category of research are you the most interested in conducting?

- Quality improvement research
- Health services research
- Medical education
- Clinical research
Among the following, the highest priority area for targeting research efforts in community hospitals is:

- Implementation of existing guidelines/standards of care (IDSA, immunizations, asthma)
- Quality/safety for high acuity patients (intermediate care, code blue, transfers)
- Quality/safety for children treated by adult providers (gen surg, adult subspecialists)
- Care transitions (PCP communication, med rec, hospital throughput)
- Value/stewardship (bronchiolitis, antimicrobials)
- Patient experience (family centered rounds)
Large Group Discussion

- Are there other areas of research not already mentioned that are important at your hospital or for the field of community pediatric hospital medicine more generally?

What challenges have you experienced trying to conduct research in a community hospital setting?
Work Groups

- 2 topic areas → 20 minutes each
  - Capitalizing on Community Resources
  - Let’s Do a Study (Anatomy of a Successful Project)

Report Out

- Folders:
  - Resources for doing research in community hospitals
  - A few articles for reference of successful community hospital based projects
Thank you!

- Please take 2 minutes and fill out the evaluation for us at your table