

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

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## Welcome!

Time	Session
5 min	Welcome and Introduction
5 min	Epidemiology of Pediatric Hospitalizations in the US
10 min	Research in the Community: Who are we and what are our questions?
45 min	Capitalizing on Community Resources
	Let's Do a Study (Anatomy of a Successful Project)
5 min	Group Report Out
5 min	Wrap up

## Disclosures

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

## Objectives

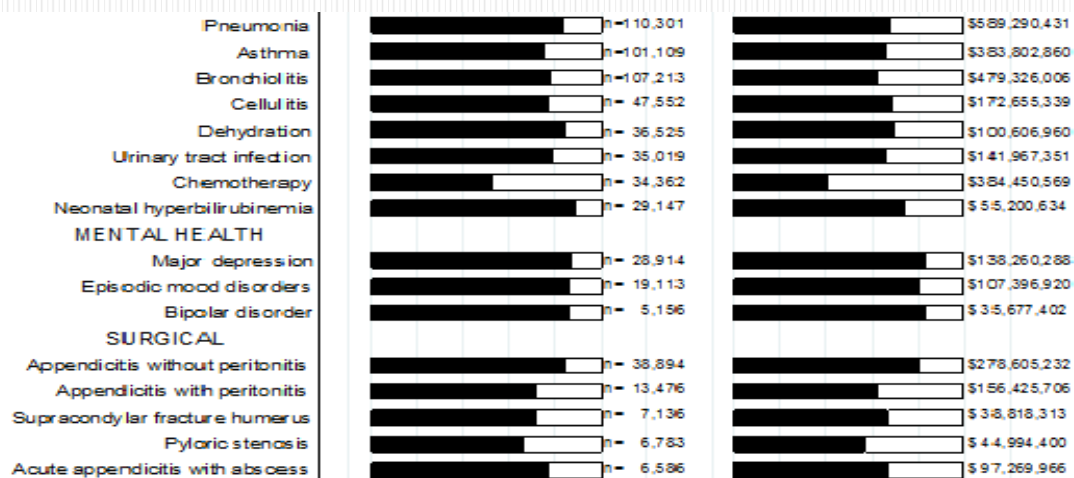
- Identify areas for priority in research in community hospitals
- Describe techniques to focus on feasibility and leverage resources available in community hospitals
- Develop or enhance a conceptual plan for a research project in a community hospital

## Epidemiology of Pediatric Hospitalizations

- 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

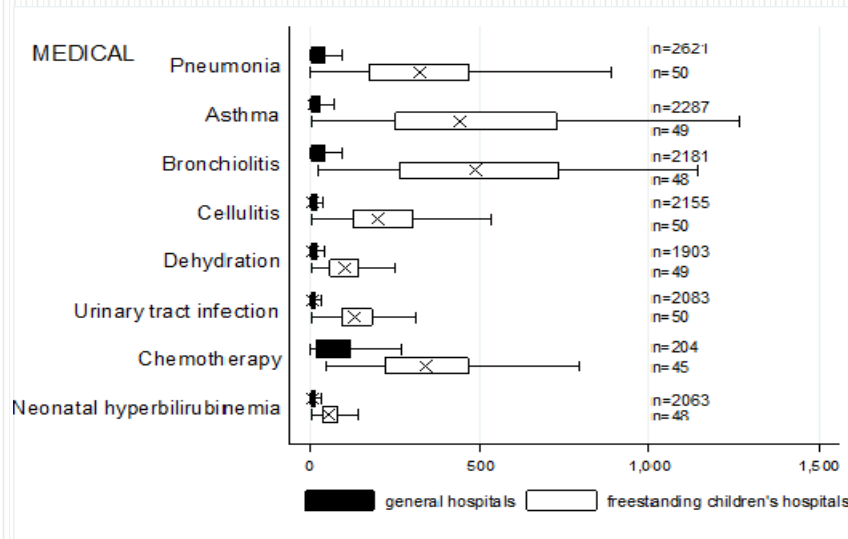
Leyenaar et al, JHM, 2016.

## Epidemiology of Pediatric Hospitalizations



Black= GH, white = FCH

## Epidemiology of Pediatric Hospitalizations



## Hospital Medicine Workforce in Community Hospitals

- 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 1/3<sup>rd</sup> 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

## Introduction to Poll Everywhere

To login to the audience response system:



Text: michellehofm047 to 37607

**OR**

Go to: [PollEv.com/michellehofm047](http://PollEv.com/michellehofm047)

The information we gain from the polling in this presentation may be helpful for future scholarship and participation in the polls grants implied consent for future research and/or publication.

All data is completely de-identified from the moment of participation in the polls.



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

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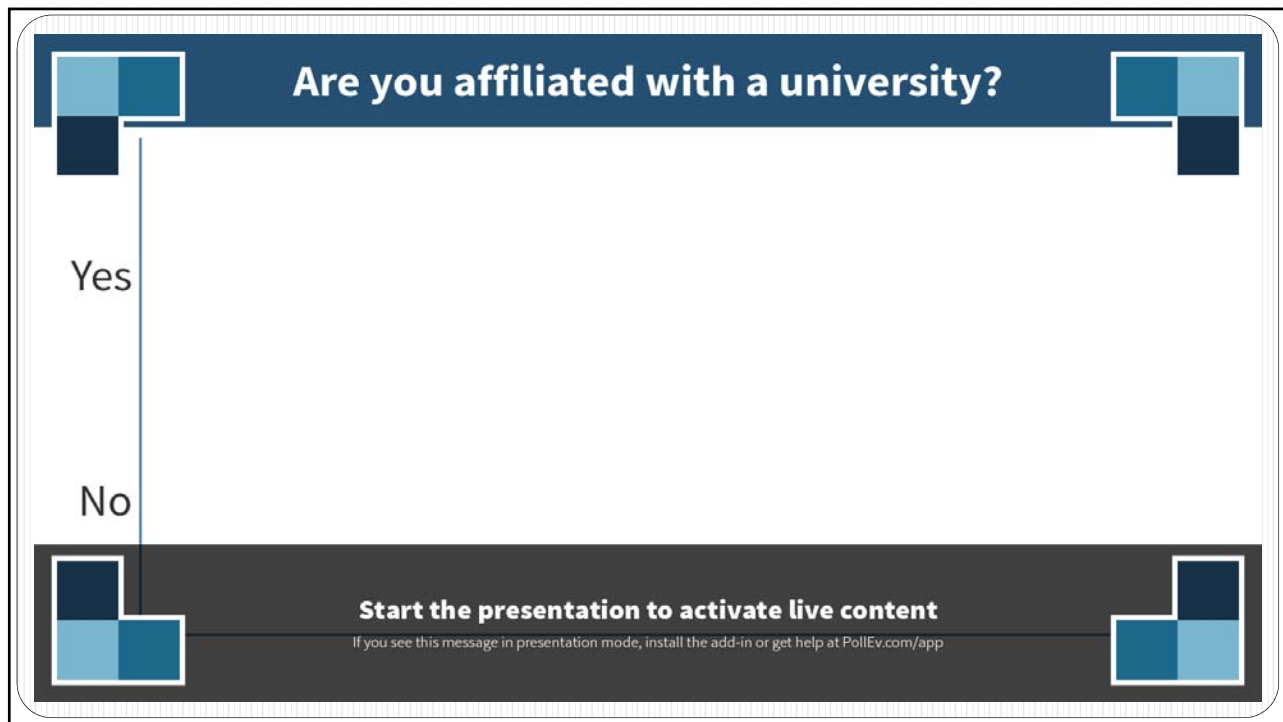
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**Are you affiliated with a university?**

Yes

No

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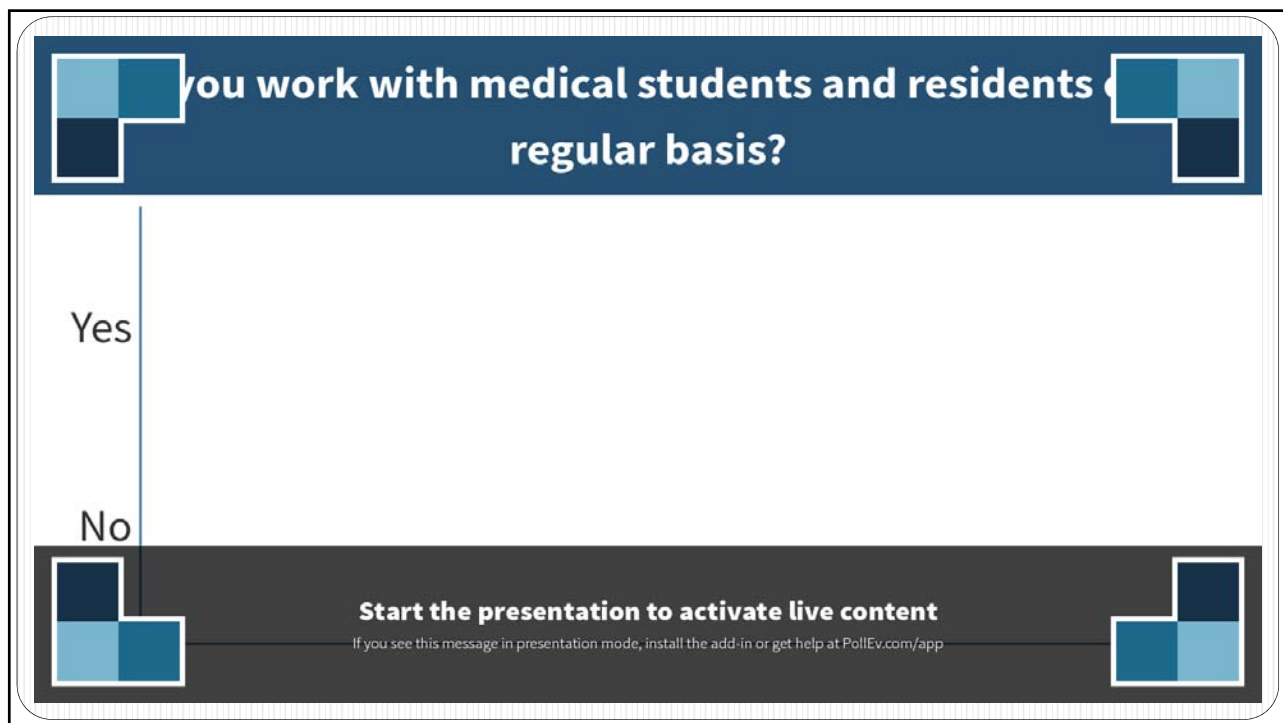


**Do you work with medical students and residents on a regular basis?**

Yes

No

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**What is the best word to describe how you feel about conducting pediatric research in community hospital settings.**

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**Which category of research are you the most interested in conducting?**

- Quality improvement research
- Health services research
- Medical education
- Clinical research

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Of the following, the highest priority area for targeted 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)

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## 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?



challenges you have experienced trying to conduct research in a community hospital setting? Please describe.

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## 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