# **Building an Infrastructure for Research at Magnet Hospitals**



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Cleveland Clinic

## **Objectives**

- Describe vertical infrastructure that assists all nurses with nursing research
- Discuss horizontal structure that will build and sustain research momentum
- State "tips" learned from 1 hospital system about building infrastructure

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### **Cleveland Clinic Nursing**

- Main campus in Cleveland OH- 1400 beds
- 8 hospitals in NE Ohio
  - -2 large community sites; ~ 500 beds each
  - -1 faith based site; ~ 300 beds
  - -5 small community hospitals; < 250 beds
- 2 affiliate site in NE Ohio
- 1 hospital in Weston FL; ~ 150 beds
- 18 regional medical/ACS practices
- 2 stand alone EDs
- 1 new hospital will open in NE Ohio (2016)
- 1 hospital in Abu Dhabi (opened March 2015)

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#### WHY DO RESEARCH?

- We need creative approaches to old and new health problems
  - To make a difference in the health status of the patients we serve
  - To match or integrate the rapidly expanding evidence-based knowledge about biological, behavioral and environmental influences on health

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#### **EVIDENCE-BASED PRACTICE**

- Half of what you are taught in medical school will be proved to be wrong in 10 years, and the trouble is, none of your teachers know which half.

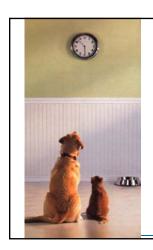
  S. BURWELL HARVARD MEDICAL SCHOOL
  - We double our medical information every 3-5 years

Do we change nursing practices every 3-5 years to match medical knowledge?

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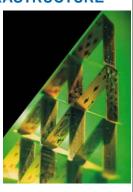




Cultivate a spirit of inquiry

#### **DEVELOPING an INFRASTRUCTURE**

- Why are YOU developing a research program and infrastructure?
- What are your long and short term goals?
- What are the immediate
  - -We can only get better
  - -Make research happen
  - -More research



## **VERTICAL INFRASTRUCTURE**

- Available to all nurses who choose to use or meet criteria for using
- Global in nature
- May change over time based on nursing needs

Other Resources

Intranet Resources

**Database** 

**Personnel** 

Infrastructure

#### **Vertical Infrastructure - Personnel**

Nurses trained in nursing research with:

- · Publication history in peer-reviewed journals as 1st author
- · Grant writing history
- Mentoring history
- · Desire to be a coach, cheerleader, educator

**Personnel** 

#### Time:

- ~40% own research program
- ~40% coaching others
- ~20% meeting Office goals
  - -Annual research conf.
  - -Annual innovation summit
  - -Research and Pub Edu. Workshops/sessions
  - -Award, abstract reviews

## **Vertical Infrastructure - Personnel** Minimum Expectations - APR:

- 2 publications/year as 1st author in peerreviewed journals
- $E_S = 1625 RNs each$ Mentoring nurses in
- 9750 RNs/6.0 FT m/awards for self and • Gran
- Abstract submission to CCF/national meetings

**Personnel** 

Leadership within national organizations Interdisciplinary and/or multicenter

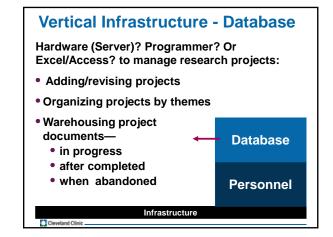
Infrastructure



## **Vertical Infrastructure - Personnel**

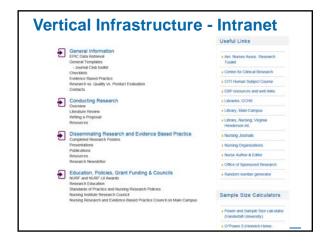
- Quality Research Coordinator
  - -Conducts audits of study activities to ensure RNs meet IRB policies
  - -New study start-up activities
- Part-time RN
  - -Research accounting
  - -IRB paperwork
  - -Orients students to research practicum work
- RNs and research coordinators hired to manage funded nursing research studies

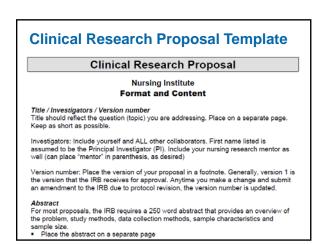
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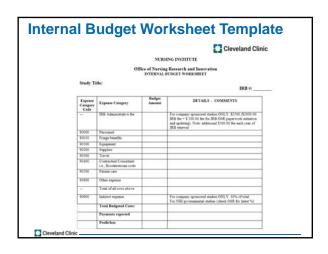
#### **Vertical Infrastructure - Database** Resources at your fingertips Templates • Inter- and Intranet sites Intranet Award applications Resources Checklists/forms Research translation **Database** Research dissemination How to...Getting started • +: SPSS; space; budget **Personnel** (statistician; tools...) Infrastructure

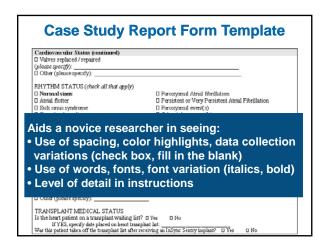


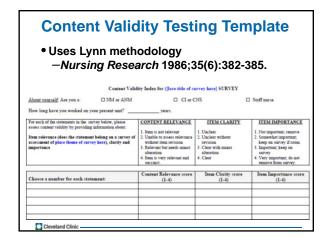


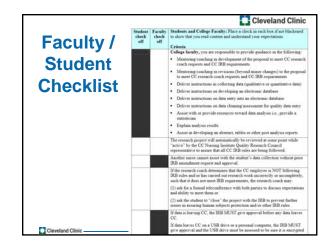








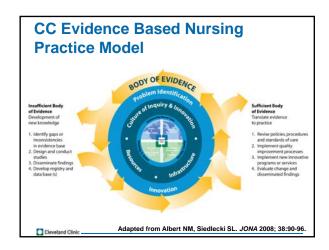


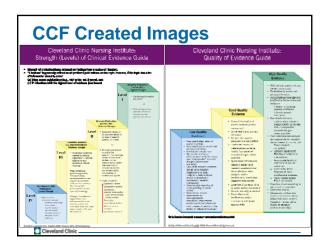


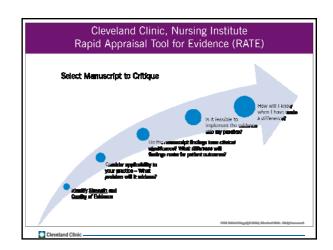


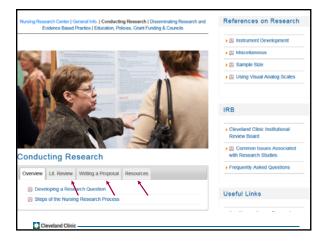








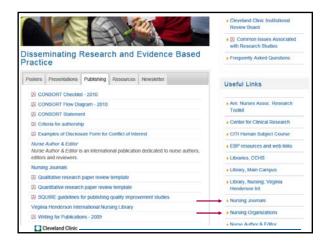


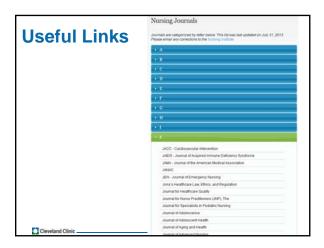








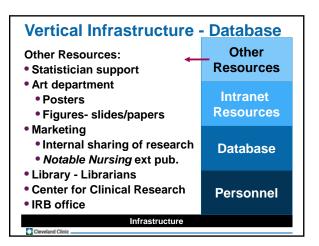




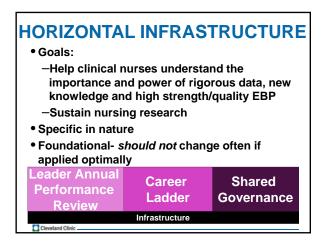




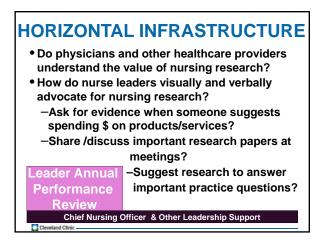


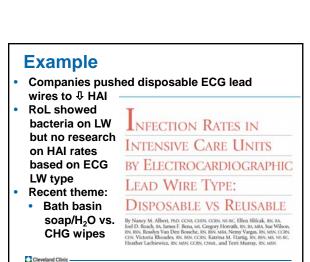








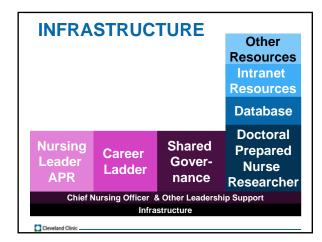














# So, You Want To Do Research; Now What?



- The research question is the most important piece!
- Always develop the question before discussing:
  - Full research team
  - Research methods
  - Tools
- Pick a topic/question you are really interested in!

#### **BUILDING BRIDGES**

- People
  - -Internal and external
- Resources
  - If you do not have resources; find somethey are out there
- Show evidence of research findings
  - -Research leads to more research



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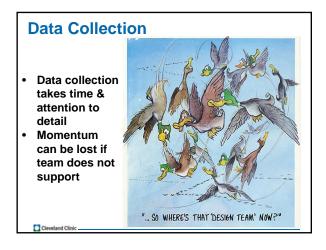
#### **TEAMWORK**



- Encourage nurses to work in teams, when possible
- Involve non-nursing experts
- Determine group rules early
  - -Author status
  - -Work expectations
  - -Outcomes

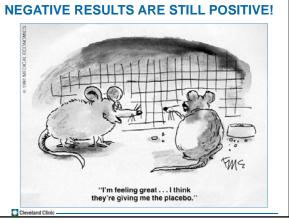












## CONCLUSION • Research is like a foreign language • An infrastructure that supports: •Research conduct and analysis •Research translation and dissemination

- -Helps nurses get started • Use resources: national organizations,
- nurse/other experts, college resources Research moves your nursing dept. one step

forward in making a mark as a leader





