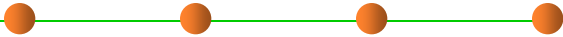




# Generation of new scientific evidence



## Section IV

# Evidence based indicators of quality nursing education programs

*Nancy Spector (USA)*

- Large (n=655) study
- Preliminary results ~ 12 indicators identified
  - ...
  - Utilize research
  - Synthesise data for decision making

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  - Utilize research
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- How to validate successful attainment..?
- League tables for EBHC teaching..?

# An exploration of preceptors perceptions of benefits, rewards, supports and commitment to the role

*James Lynch (Ireland)*

- Theory – Practice Gap trigger
- Qualitative design
- Preceptors need support from line managers
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  - Qualitative design
  - Preceptors need support from line managers
  - Preceptors need recognition
- 
- Why only students have preceptors?
  - Could be associated with CPD activity ~ EBHC

# An Ex Post Facto Exploration of the Relationship between Dialysis Adequacy and Health-Related Quality of Life in Haemodialysis Patients in Ireland

*Joanne Cleary (Ireland)*

- Speciality specific project
- Nurse-led research
- Quality of Life assessed with SF36

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*Joanne Cleary (Ireland)*

- Speciality specific project
- Nurse-led research
- Quality of Life assessed with SF36
  
- Recognition that coping with chronic disease is multi-dimensional
- Future study to use locally developed disease-specific QoL tool

Understanding NNT  
Patients and Physicians Perspective  
*Amit Ghosh (USA)*

- Literature review
  - 75% medical students don't understand NNT
  - 84% family doctors don't understand NNT
  - Patients not influenced by NNT when explained



# Understanding NNT

## Patients and Physicians Perspective

*Amit Ghosh (USA)*

- Literature review
  - 75% medical students don't understand NNT
  - 84% family doctors don't understand NNT
  - Patients not influenced by NNT when explained
- Consistent theme over many years
- NNT is an estimate ~ always need CIs
- Should we drop NNTs from the toolkit..?

## The likelihood ratio meta-scatterplot: test efficacy at a glance

*Dirk Stengel (Germany)*

- Need to meta-present diagnostic performance
- Leading edge EBHC statistics
- Bi-directional plots very (visually) effective

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*Dirk Stengel (Germany)*

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- Leading edge EBHC statistics
- Bi-directional plots very (visually) effective
- Complex statistics not available in SAS etc
- Validity of approach questioned

## How and where do Chilean health professionals get their health information?

*Luz Letelier (Chile)*

- How much time do I read ? = 4.2 hr/week
  - 49% Books
  - 22% Internet resources doctors
  - 16% colleagues
  - 13% librarians

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  - 49% Books
  - 22% Internet resources doctors
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  - 13% librarians
- How much time should I read ? = 22 hr/week
- Lack of internet holding EBHC back..?
- EBHC expectation and practice varies between professions

Does FUTON (Full Text on the Net) & NAA (No abstract available) bias impact visibility of cardiology research?

*Amit Ghosh (USA)*

- 
- Yes
  - Picking the low hanging fruit

Does FUTON (Full Text on the Net) & NAA (No abstract available) bias impact visibility of cardiology research?

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- Yes
- Picking the low hanging fruit
  
- Form of retrieval bias
- Probably similar effect in other specialities
- Bibliographic access with FUTON varies
  - Professions
  - Institutions
  - Countries
- Author-pay model of publication?

# Does the effectiveness of pharmaceuticals fade with time?

## Reasons and consequences

*Christel Weiss (Germany)*

- Evidence – Practice Gap
- $\frac{3}{4}$  studies effectiveness faded with time
- New drugs assessed on sicker patients



# Does the effectiveness of pharmaceuticals fade with time?

## Reasons and consequences

*Christel Weiss (Germany)*

- 
- 
- 
- 
- Evidence – Practice Gap
- ¾ studies effectiveness faded with time
- New drugs assessed on sicker patients
  
- Is this effect demonstrable for a wider range of drugs..?
- Is this selection bias..? (despite blinded RCT)
- Is the effect an association..?
  - due to early trials = drug company sponsored..?

# The clinical path of acute coronary syndrome

*Andrea Copponi (Italy)*

- An exemplar topic for pathways
- Multi-professional & multi-disciplinary
- Crude outcomes demonstrably improved

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- An exemplar topic for pathways
- Multi-professional & multi-disciplinary
- Crude outcomes demonstrably improved
  
- But took 1½ years to develop / agree
- Hawthorne effect..?
- Longer term re-audits needed

## Evidence-based information Technology (EBIT)

### Using evidence to save resources in health care management

*Horst Kunhardt (Germany)*

- Replace paper forms with embedded EBHC compliant electronic forms ~ pathways
- Significant resource savings (cost & time)

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### Using evidence to save resources in health care management

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- Significant resource savings (cost & time)
- Hospital based rather than area or state
- Commercial or in-house solutions?
- 100% reliability and total coverage from day 1