

How are we feeling today?

The sensitivity of a literature search filter for patients' values and preferences

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“Listen to your patient, he is telling
you the diagnosis”

William Osler (1849 – 1919)

Why Osler?

- Listening is hard
- Listening is time-consuming
- Listening is only the first step

About us

NHG Dutch College of General Practitioners

KiMS Knowledge Institute of Medical Specialists

Purpose of filter

- Orientation
- Formulating & defining key questions, outcomes and recommendations
- Focus groups

Term ?

Patient perspective

Terms !

- Patient desires
- Patient participation
- Patients' values
- Patients preferences
- Patient experiences
- ...

Relevant titles ?

- *Determining the needs, priorities, and desired rehabilitation outcomes of young adults who have had a stroke*
- *Developing stroke rehabilitation and community services: a meta-synthesis of qualitative literature*

Relevant titles !

- *Aim:* To gain an understanding of young adults' experience of stroke and associated rehabilitation needs, priorities, and desired outcomes.
- *Aim:* To identify the key factors that are necessary to account for in planning [...] community services for stroke based on users' perspectives.

Validation of filters

- 3 subjects primary care (PubMed-filter)
- 3 subjects secondary care (OVID-filter)
- 2 subjects 1st/2nd care (Embase-filter)

General 2x2 table

| | | | |
|----------|-----|-----|---------|
| | + | - | + |
| | | | total |
| filter + | a | b | a+b |
| filter - | c | d | c+d |
| total | a+c | b+d | a+b+c+d |

precision $a/(a+b)$

sensitivity $a/(a+c)$

specificity $d/(b+d)$

accuracy $(a+d)/(a+b+c+d)$

Comparison

| % | OVID | Pubmed | Embase |
|-------------|------|--------|--------|
| precision | 77.0 | 79.3 | 81.8 |
| sensitivity | 90.5 | 90.1 | 93.1 |
| specificity | 98.0 | 98.8 | 98.4 |
| accuracy | 97.0 | 98.3 | 98.7 |
| N = | 811 | 1668 | 597 |

Cochrane review

Interventions for providers to promote a patient-centred approach in clinical consultations 2012;(12):CD003267

Sensitivity of filter

| | Medline (OVID) | Pubmed | Embase |
|-------------|----------------|-------------|-------------|
| Filter + | 72 | 72 | 67 |
| Filter - | 1 | 1 | 6 |
| Cochrane | 73 | 73 | 73 |
| Sensitivity | 98.6 (90.5) | 98.6 (90.1) | 91.8 (93.1) |

Conclusion

adequate sensitivity

+

adequate specificity

=

useful tool

Additional remarks

- Filter is useful throughout process
- Supports / substitutes participation of “real patients”

Pubmed filter (partly)

(Patient Participation[Mesh] OR consumer participation[Mesh] OR Professional-Patient Relations[Mesh] OR Patient-Centered Care[Mesh] OR Patient Preference[Mesh] OR Patient Satisfaction[Majr] OR Patient Education as Topic[Mesh] OR Attitude to Health[Mesh] OR Patient Acceptance of Health Care[Mesh] OR Health Knowledge, Attitudes, Practice[Mesh] OR Focus Groups[Mesh] OR Quality of Life[Majr] OR Self Care[mh:noexp] OR Self Concept[Mesh] OR Self-examination[Mesh] OR Cooperative Behavior[Mesh] OR Adaptation, Psychological[Mesh] OR Decision Support Techniques[Mesh] OR Self-Help Groups[Mesh] OR Community Networks[Mesh] OR Emotions[Mesh] OR Consumer Satisfaction[Mesh] OR Needs Assessment[Mesh] OR Personal Autonomy[Mesh] OR Patient Advocacy[Mesh] OR Life Change Events[Mesh]) OR (patient perspective*[tiab] OR patient's perspective*[tiab] OR patient desire*[tiab] OR patient's desire*[tiab] OR "patient's desires"[tiab] OR patient view*[tiab] OR patient's view*[tiab] OR patient expression*[tiab] OR patient's expression*[tiab] OR patient attitude*[tiab] OR patient's attitude*[tiab] OR patient involvement*[tiab] OR patient's involvement*[tiab] OR patient decision*[tiab] OR patient's decision*[tiab] OR patient activation[tiab] OR patient's activation[tiab] OR patients activation[tiab] OR patient empowerment[tiab] OR patient participation[tiab] OR patient's participation[tiab] OR patients participation[tiab] OR patient collaboration[tiab] OR patient's collaboration[tiab] OR patients collaboration[tiab] OR expert patient*[tiab] OR consumer participation[tiab] OR consumer perspective[tiab] OR ...

Final remark

G-I-N Public Toolkit *Patient and public
involvement in guidelines*

www.g-i-n.net/activities/gin-public/toolkit



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Disclosure of Interests (last 3 years)

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We certify that, to the best of our knowledge, no aspect of our current personal or professional situation might reasonably be expected to affect significantly our views on the subject on which we are presenting.

Sensitivity of *terms* PubMed/OVID

| | | | |
|-------------------------|----|---|----|
| • Patient perspective | 1 | / | 0 |
| • Patient participation | 20 | / | 5 |
| • Patients' values | 1 | / | 0 |
| • Patients preferences | 1 | / | 3 |
| • Patient experiences | 0 | / | 1 |
| • Patient centered | 23 | / | 11 |

Failure for retrieval in Embase

Emtree terms 'doctor patient relation'/exp
OR 'nurse patient relationship'/exp often
not given

Minor adaptation

- Truncation of term patient-centred* or patient-centered* retrieved 1 more title
- Sensitivity of Embase filter thereafter equaled that of former validation (93.1)