Infection Prevention and the Patient’s Voice

Using video research methods for collaborative research with patients and clinicians
Involving patients in understanding hospital infection prevention and control using video-reflexive methods

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How does patient-centred care relate to infection prevention and control?

Providing the patient with education and support so that they can be involved in looking after themselves.
Patient Involvement in Healthcare-Associated Infection Research: A Lexical Review

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OBJECTIVE. This review examines patient involvement in healthcare-associated infection (HAI) research. Healthcare-associated infections represent an intractable issue with considerable implications for patients and staff. Participatory methodologies that involve patients in healthcare research are associated with myriad benefits.

DESIGN. Lexical review.

METHODS. PubMed was searched to identify all publications on patient involvement in HAI research since 2000; publications were also identified from the cited references. A lexical analysis was conducted of the methods sections of 148 publications.

RESULTS. The findings reveal that HAI research that actively involves patients and members of the public is limited.

CONCLUSIONS. Patient involvement is largely limited to recruitment to HAI studies rather than extended to patient involvement in research design, implementation, analysis, and/or dissemination. As such, there is considerable opportunity to further this important research area via alternative methodologies that award primacy to patient expertise and agency.

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Patient involvement in IPC


<table>
<thead>
<tr>
<th>Author, date</th>
<th>Examines intentions or behaviour</th>
<th>If article measured behaviour, how was this assessed?</th>
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<tbody>
<tr>
<td>Anthony et al., 2003</td>
<td>Intentions</td>
<td>NA</td>
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<td>Bischoff et al., 2008</td>
<td>Indirect measure of behaviour</td>
<td>HCPs' hand hygiene compliance measured indirectly through the number of dispenses of alcohol-based disinfectant per patient-day</td>
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<td>Davis et al., 2008</td>
<td>Intentions</td>
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<td>Duncan and Dealey, 2007</td>
<td>Intentions</td>
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<td>Duncan and Pearson, 2009</td>
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<td>Behaviour of patients reported by patients and HCPs. Behaviour of HCPs reported by HCPs</td>
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<td>Garcia-Williams et al., 2010</td>
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<td>Behaviour of patients reported by patients and by HCP reports and direct observations on the wards</td>
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<td>Lent et al., 2009</td>
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<td>Longtin et al., 2009</td>
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<td>McGuckin et al., 1999</td>
<td>Behaviour and indirect measure of behaviour (of HCPs and patients)</td>
<td>Behaviour of patients reported by patients and behaviour of patients and HCPs indirectly measured through HCPs' soap usage, alcohol gel and paper towels</td>
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<tr>
<td>McGuckin et al., 2001</td>
<td>Behaviour and indirect measure of behaviour (of HCPs and patients)</td>
<td>Behaviour of patients reported by patients and behaviour of patients and HCPs indirectly measured through HCPs' soap/sanitizer usage</td>
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<td>Michaelson et al., 2013</td>
<td>Intentions</td>
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<tr>
<td>National Patient Safety Agency, 2004</td>
<td>Intentions and behaviour (of HCPs and patients)</td>
<td>Behaviour of patients reported by patients and HCPs and behaviour of patients and HCPs indirectly measured through HCPs' alcohol gel usage</td>
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<tr>
<td>Petersen et al., 2007</td>
<td>Behaviour (of HCPs, not patients)</td>
<td>Observations of alcohol hand rub/soap usage and length of time of handwashing</td>
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HCP, healthcare professional; NA, not applicable.
*Unless otherwise stated, 'behaviour' refers to that of the patient not the HCP.*
Strengthening frontline clinicians' infection control: A multi-method study to reduce MRSA infection and transmission (NHMRC # 1009178)

Talking with Patients: Improving clinician-patient communication around healthcare-associated infections using video-reflexive ethnography
Working with participants to video practices of interest, and then showing back the footage to them in reflexive sessions

- Engages with the expertise of frontline staff/patients/visitors
- Makes explicit the complex reality of clinical work
- Raises awareness of taken-for-granted practices & relationships
- Results in learning and change (practice optimization)
Research Project 1
Strengthening frontline clinicians' infection control: A multi-method study to reduce MRSA infection and transmission
Video-reflexive ethnography with patients

Film care episodes

Patients view & reflect

Patients’ insights fed back to nurses

Video 1

• Video removed for confidentiality
Notes about Video 1

- James is watching back some footage of a staff member taking his blood.
- **By watching footage James became aware of risks** he previously hadn’t noticed.
  - He notices that she starts touching things with her gloved hands, contaminating them before coming to him
  - He devises some solutions to deal with them. But interestingly rather than confronting her directly, he decides that if it happens again, he will grab her hands and contaminate her gloves so she has to change them
  - He thinks it would be better to make himself look silly – to help the HCW save face but also be able to feel safe.
Research Project 2
Talking with patients

• **Collaboration** between researchers, renal unit staff & patients, infection control professionals, infectious diseases physicians and laboratory staff

• **Aim:** To improve *clinician-patient communication* around HAIs and IPC, with the broader aim of reducing HAIs by increasing patient involvement in IPC
Video footage of clinical practices and communication

Patient analysis of footage

Staff analysis of:
  i) original footage
  ii) patient comments on same footage

Researcher analysis

Research dissemination

Working party
Reflexive discussion points

1. Which sites do we swab?

2. Communicating with patients about screening

3. Patients taking their own swabs

4. Informing patients about how they can protect themselves and others from infections while in hospital
Resources created
Spreading the word

Workshops to support clinician-led projects
Clinician-led VRE projects

• VRE workshop
  – to empower clinical staff to undertake their own VRE projects
  – 6 nurses
  – loaned equipment and researcher support

• Project 1: Interdisciplinary Cath lab project looking at hand hygiene during angiography

• Project 2: Improvement in clinical handover involving isolation rooms
References

References