

## **The patient experience of healthcare associated infections (HCAI) during admission and post discharge: a systematic review and narrative synthesis - protocol**

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# Systematic Review Protocol

## Review title and timescale

**1 Review title**

The patient experience of healthcare associated infections (HCAI) during admission and post discharge: a systematic review and narrative synthesis

**2 Original language title**

**3 Anticipated or actual start date**

01/11/2016

**4 Anticipated completion date**

01/05/2017

**5 Stage of review at time of this submission**

<i>Review stage</i>	<i>Started</i>	<i>Completed</i>
Preliminary searches	X	X
Piloting of the study selection process	X	X
Formal screening of search results against eligibility criteria	X	X
Data extraction	X	X
Risk of bias (quality) assessment	X	-
Data analysis	-	-

## Review team details

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## 11 Review team members and their organisational affiliations

<i>Title</i>	<i>First name</i>	<i>Last name</i>	<i>Affiliation</i>
Professor	Kay	Currie	Glasgow Caledonian University
Mrs	Lynn	Melone	Glasgow Caledonian University
Ms	Sally	Stewart	Glasgow Caledonian University
Professor	Jacqui	Reilly	Glasgow Caledonian University

## 12 Funding sources/sponsors

Funding- Scottish Healthcare Associated Infection Prevention Institute (SHAIP) Sponsorship- Glasgow Caledonian University (GCU)

## 13 Conflicts of interest

Are there any actual or potential conflicts of interest?

None known

## 14 Collaborators

## Review methods

### 15 Review question(s)

The aim is to conduct a systematic review of the literature on the patient experience of healthcare associated infections, with specific reference to: • Either or both admission and post discharge periods • Perceived impact on patients' daily living; family; relationships; finances; work. To exclude studies which focus on specific aspects of care associated with HCAI e.g. experience of contact isolation only or psychological impact of isolation (as opposed to HCAI in general)

### 16 Searches

Electronic databases searched were:

- CINAHL
- MEDLINE
- PsycINFO
- Web of Science
- EMBASE
- Cochrane Database of Systematic Reviews
- Database of Abstracts of Reviews of Effects (DARE)
- Joanna Briggs Institute (JBI)
- PROSPERO

Limits were:

- Date of publication: 01 January 2000 - 30 April 2017
- English Language
- Population: Human
- Publication type: Journal Article

Manual searching of the reference lists of articles eligible for inclusion will also be undertaken

- 17 URL to search strategy**  
Search strategy is available from the author
- 18 Condition or domain being studied**  
Patient experience of healthcare associated infections (HCAI)
- 19 Participants/population**  
The review will consider studies in which the target population were adult patients (aged over 18) who had experienced an HCAI (confirmed infection or colonisation) during a hospital admission. The review will exclude studies where population are children or the infection is not healthcare associated.
- 20 Intervention(s), exposure(s)**  
The review will consider studies from all countries that reported patient experience, perceptions or perspectives of HCAI in general (intervention studies not applicable)
- 21 Comparator(s)/control**  
Not required
- 22 Types of study to be included**  
The types of studies which will be included are: cohort studies, cross sectional studies, surveys. Studies with any qualitative research design (thematic analysis, grounded theory, phenomenological analysis) or mixed methods studies with both quantitative and qualitative components will also be sought
- 23 Context**  
Studies conducted in any hospital, community, or patient's home setting related to experience of HCAI during admission and/or post-discharge
- 24 Primary outcome(s)**  
Studies were required to provide data including but not limited to patient experience, perceptions or perspectives of general aspects of having HCAI. Studies will be excluded which focus on specific aspects of care associated with HCAI e.g. experience of isolation only or psychological impact of isolation only (as opposed to HCAI in general).
- 25 Secondary outcomes**  
Patients' daily living; family; relationships; finances; work
- 26 Data extraction (selection and coding)**  
The titles and abstracts of papers identified from the literature search will be screened against the inclusion criteria by two independent reviewers. Full text articles will be obtained for those studies that appear to meet the inclusion criteria or where there is insufficient information from the title and abstract. Full text articles will then be screened by two independent reviewers. Included papers will then be reviewed by two reviewers and agreement sought. A standardized framework will be devised for data extraction. This framework will be applied to all full text papers that fulfil the eligibility criteria. The following data will be extracted: Authors, date of publication, country, aims/objectives, sample size/population, number of included sites, study design/methods, findings, specific outcomes/themes, type of HCAI.

- 27 Risk of bias (quality) assessment**  
We anticipate that the majority of included studies will be of a qualitative design and CASP qualitative appraisal tools will be used to evaluate the quality of the studies.
- 28 Strategy for data synthesis**  
It is anticipated that due to heterogeneity of study design and outcome measures, a narrative synthesis will be adopted.
- 29 Analysis of subgroups or subsets**  
Any commonality or contrast between specific types of HCAI will be explored.

#### Review general information

- 30 Type of review**  
Systematic review  
Infections and infestations, Nursing, Public health (including social determinants of health)
- 31 Language**  
English  
  
Will a summary/abstract be made available in English?  
Yes
- 32 Country**  
Scotland
- 33 Other registration details**  
N/A
- 34 Reference and/or URL for published protocol**  
N/A
- 35 Dissemination plans**  
Do you intend to publish the review on completion?  
Yes
- 36 Keywords**  
Patient experience  
Healthcare associated infection
- 37 Details of any existing review of the same topic by the same authors**  
N/A
- 38 Current review status**  
Ongoing
- 39 Any additional information**  
N/A

**40 Details of final report/publication(s)**