Information infrastructure and communication requirements for safe and quality domestic-scale supported accommodation: protocol for an integrative review

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Review question(s)
The aim of this integrative literature review is to describe the current information infrastructure for adults with intellectual and/or developmental disabilities (I/DD) or lifelong disabilities living in domestic-scale supported accommodation.

Searches
Four databases that contain peer-reviewed literature will be used for this review: MEDLINE, CINAHL, EMBASE and PsycINFO.

The search will be performed by combining terms for I/DD AND terms for documentation AND terms for caregivers AND terms associated with supported accommodation settings.

For completeness, additional studies will be identified by handsearching the bibliographies of included articles.

The time frame for the searches is from the 1st January 2005 to the 31st May 2016. Studies not published in English will be excluded.

Types of study to be included
Studies that investigated the use of documentation/information by carers/ support workers in domestic-scale supported accommodation settings (i.e. with a maximum of 7 residents; Australian Institute of Health and Welfare (AIHW), 2016) for adults with I/DD or lifelong disability and provided some empirical evidence (e.g. quantitative or qualitative, case report).

All qualitative, qualitative, mixed methods studies with empirical evidence will be considered regardless of their research design. Studies will be excluded if they are not in English, government reports or policy document, editorials, opinion pieces or reviews.

Condition or domain being studied
Accommodation support attracts 50% of the Australian government expenditure on disability services, with domestic-scale supported living facilities (i.e. supported accommodation for up to 7 people; AIHW, 2016) representing 64% (n=4343) of all accommodation support outlets (n=6852) provided by agencies (AIHW, 2015). People with an intellectual disability make up the vast majority (77.9%) of people living in domestic-scale supported accommodation (AIHW, 2015). If residents’ information, especially related to health is not easily accessible, is poorly integrated within or between different services, or is not adequately completed, implemented or reviewed, the safety and quality of residential support can be jeopardised. Therefore there is a need to (a) examine the evidence on the current information infrastructure for people with I/DD living in supported accommodation and to (b) describe the range and types of documentation used, and who is involved in its use.

Participants/ population
Inclusion population:
• People with I/DD 18 years of age and above.

• Paid care givers and administrative staff in domestic-scale supported accommodation settings.

• Family carers involved in domestic-scale supported accommodation settings.

Exclusion population:

• People with I/DD under the age of 18 years of age.

• Other settings e.g. nursing homes, large scale residential settings.

**Intervention(s), exposure(s)**

Inclusion:

• Studies/publications describing processes regarding the use of documentation in domestic-scale supported accommodation settings for people with I/DD.

• Studies/publications addressing experiences regarding the use of documentation in domestic-scale supported accommodation settings for people with I/DD.

Exclusion:

• Research studies not performed in Europe, North America, Australia or New Zealand.

**Comparator(s)/ control**

Not applicable.

**Context**

Studies will focus on domestic-scale supported accommodation settings.

**Outcome(s)**

Primary outcomes

• A model of the current information infrastructure for people with I/DD living in domestic-scale supported accommodation.

• Understanding of experiences and attitudes towards information infrastructure and documentation by adults with I/DD or lifelong disability living in domestic-scale supported accommodation.

• Understanding of experiences and attitudes towards information infrastructure and documentation by paid carers, administrative staff or family carers involved in domestic-scale supported accommodation.

Secondary outcomes

None.

**Data extraction, (selection and coding)**

All abstracts and titles will be reviewed and sorted based on the predefined inclusion criteria by one reviewer with the assistance of research assistant staff. The full text of the studies that match these criteria will then be reviewed by one reviewer in an iterative process to identify studies that focussed on the use of documentation for people with I/DD in domestic-scale supported accommodation. A second and third reviewer will be involved in discussions regarding decisions regarding what articles should be included in the integrative review inclusion and in any cases of dispute consensus will be reached through discussions between all three researchers. Selected full text papers will then be individually assessed and the way that information and documents are managed in supported accommodation will analysed and reported. The selection of full texts and reporting of findings will follow PRISMA guidelines (Moher, Liberati, Tetzlaff, & Altman, 2009).
Risk of bias (quality) assessment
All studies will be appraised using the quality assessment tool (QATSDD) (Sirriyeh, Lawton, Gardner, & Armitage, 2012) which was designed to assess the quality of a diversity of studies. It is intended for use in integrative reviews that synthesise findings from both quantitative, qualitative and mixed methods studies (Fenton, Lauckner, & Gilbert, 2015).

Strategy for data synthesis
One reviewer will be involved in extraction and coding of selected full texts. Data extraction will be validated by a second reviewer. Any disputes will be resolved through discussions between all three researchers. An integrative approach (Whittemore & Knafl, 2005) will be used to synthesise empirical and qualitative findings by way of thematic and content analysis (Corbin & Strauss, 2014; Patton, 2015) to report and integrate findings by emerging theme rather than research method. Extracted quantitative data will be analysed through basic descriptive statistics.

Analysis of subgroups or subsets
None planned.

Dissemination plans
Results will be disseminated at conferences and publications.

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Anticipated or actual start date
26 May 2016

Anticipated completion date
29 July 2016

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The National Health and Medical Research Council (NHMRC) fund this research under GNT 1058094 Personally
Controlled Electronic Health Records: Charting the course for successful healthcare transitions for young adults with communication disabilities.

**Conflicts of interest**
None known

**Language**
English

**Country**
Australia

**Subject index terms status**
Subject indexing assigned by CRD

**Subject index terms**
Communication; Humans; Housing

**Stage of review**
Ongoing

**Date of registration in PROSPERO**
26 May 2016

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