Understanding the health and social care needs of people living with IBD: A meta-synthesis of the evidence

Karen Kemp, Jane Griffiths, Karina Lovell

Abstract

AIM: To undertake a metasynthesis of qualitative studies to understand the health and social needs of people living with inflammatory bowel disease (IBD).

METHODS: A systematic search strategy identified qualitative studies exploring the phenomenon of living with inflammatory bowel disease. Databases included MEDLINE, PsychInfo, EMBASE, CINAHL and the British Nursing Index via the OVID platform. Qualitative search filters were adapted from Hedges database (http://www.urmc.rochester.edu/hslt/miner/digital_library/tip_sheets/Cinahl_em_filters.pdf). Qualitative empirical studies exploring the health and social needs of people living with inflammatory bowel disease were selected. Study eligibility and data extraction were independently completed using the Critical Appraisal Skills Programme for qualitative studies. The studies were analysed and synthesised using meta-synthesis methodology. The themes from the studies allowed for common translations into a new interpretation of the impact of living with inflammatory bowel disease.

RESULTS: Of 1395 studies, six published studies and one unpublished thesis fulfilled the inclusion criteria. First iteration of synthesis identified 16 themes, 2nd iteration synthesised these into three main 2nd order constructs: “detained by the disease”; “living in a world of disease” and “wrestling with life”. “Detained by the disease” is the fear of incontinence, the behaviour the patients display due to the fear, and the impact this has on the individual, such as social isolation and missing out on life events. All of these serve to “pull” the patient back from normal living. “Living in a world of disease” is the long term effects of living with a long term condition and the fear of these effects. “Wrestling with life” is the continued fight to thrive, the “push” to continue normal living.

CONCLUSION: The metasynthesis provides a comprehensive representation of living with IBD. The unmistakeable burden of incontinence is exposed and its ongoing effects are demonstrated. The combined overall impact of living with IBD is the tension these patients live with; “Pushed and pulled: a compromised life”, people living with IBD experience a constant conflict throughout their lives, they push to be normal but IBD pulls them back. The impact of the fear of incontinence and behaviour of the individual as a result, requires further qualitative enquiry.

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INTRODUCTION

Inflammatory bowel disease (IBD) is a chronic inflammatory disease of the gastrointestinal tract that is divided into two subgroups: Crohn's disease (CD) and ulcerative colitis (UC). Characterised by periods of remission and relapse, bowel movements may be up to 20 times per day with associated faecal urgency and incontinence. IBD is also associated with extra intestinal manifestations, affecting joints, eyes, skin, bones and organs as a consequence of the disease process[1].

The disease often has a negative effect on the patient's emotional and social life, which are not always visually apparent[2]. Loss of bowel control, feeling dirty and smelly, producing offensive body odours, unfulfilled potential in the workforce and issues with sexual relationships, were concerns ranked highly in a patient survey of people with IBD[3]. One of the most prevalent concerns is fatigue[4,5]. Fatigue in people with IBD was found to be comparable to those suffering from cancer[6]. Fatigue affects the ability to work and socialise, confirming the disability associated with IBD[7,8]. Unemployment and sick leave is more common in IBD patients compared to the general population[9,10], with ability to work regarded as a global marker of the total impact of IBD[11].

People with IBD have a poorer quality of life than the general population[11,12] and are more likely to report increased levels of anxiety and depression with increased disease activity[13,14]. Evidence reveals that the disease continues to impact on the individuals psychological status even when in remission[15,16]. Overall, evidence suggests that the subjective experience of ill health associated with IBD does not always correlate with clinical disease activity.

The health-related quality of life (HRQoL) of people with IBD has been extensively evaluated with the development of two key disease specific tools: the Inflammatory Bowel Disease Questionnaire (IBDQ)[17] and the Rating Form for Inflammatory Bowel Disease Patient Concerns (RFIPC)[18]. The IBDQ was developed using survey methodology and measures subjective emotional and social functioning. The RFIPC was developed to measure neglected but important IBD concerns including disease related, body related, and inter/intrapersonal and sex related.

Whilst useful measures, the IBDQ and RFIPC fail to capture the essence of living with IBD from the patient's perspective[19,20]. For example, the RFIPC includes loss of bowel control as a concern but fails to encapsulate the real impact this has on the individual[21]. A study exploring concerns and worries of patients with CD identified other concerns and worries that were not captured within the RFIPC[22]. Objective indices within the tools do not fully summarize the patient's clinical symptoms, nor reflect the individual's experience of IBD[23,24]. Failure to capture the lived experience of IBD has been confirmed by the European Federation of Crohn's and Colitis Associations (EFCCA) patient survey[25] which reported that quality of life (QoL) and patient concerns were not taken into account when caring for patients with IBD, despite the plethora of studies highlighting this fundamental principle[26-28]. The EFCCA study identified that half of the patients surveyed were not questioned by their doctor about the impact of their symptoms on their QoL.

In contrast to quantitative measures, qualitative methods are more able to capture the essence of living with IBD from the patients perspective[29,30]. They can provide insight into the meanings, behaviours, experiences and beliefs of the participants with the aim of “drawing out understandings and perceptions and understand the linkages between process and outcomes”[29].

In order to understand IBD, tailor treatment and provide personalised care, capturing the patient experience is imperative. There are a number of small scale qualitative studies exploring the experience of living with IBD from the patient’s perspective but there is a need to synthesise this evidence to further understand this before undertaking larger in-depth qualitative studies. The studies relating to IBD are small and often are not published in journals normally accessed by healthcare professionals responsible for managing these patients. Meta synthesis meets this need by the systematic selection, comparison and analysis of these qualitative combined studies and translating them to create new interpretations[29].

The qualitative meta synthesis is a set of techniques for the interpretive integration of qualitative research findings[29], it overcomes the limitations of small studies[31] and has the ability to promote a greater understanding in a particular area[32]. In this study, the purpose was to integrate and interpret the qualitative studies of the experience of living with IBD. Systematic reviews are accepted as the cornerstone of evidence based practice[33] and are based on reviews of effectiveness and of “what works”. However there is now a move toward addressing the wider questions, such as why there is a problem in the first place and how it has come about. These questions need to be answered in order to develop patient centred interventions[34,35], implement studies of effectiveness and provide answers for the policy makers[36,37].

MATERIALS AND METHODS

Inclusion criteria

Qualitative studies which explored the phenomena of
living with IBD from the patient’s perspective were included in the synthesis. Additional inclusion criteria were studies restricted to English language only, published and unpublished studies and sample population adults > 16 years.

**Exclusion criteria**
The study focused on only one aspect e.g. living with a colostomy or diet, and mixed studies of irritable bowel syndrome and IBD.

**Systematic search**
Electronic literature searches were conducted in MEDLINE (1966-2010), PsychInfo (1967-2010), EMBASE (1980-2010) and CINAHL databases (1982-2010) and the British Nursing Index (1994-2010) via the OVID platform. Search filters developed by the Hedges database from McMaster University Health Information Research Unit and Kathryn Nesbit, Edward G Milner Library, University of Rochester Medical Centre, were adapted to aid the search (http://www.urmc.rochester.edu/hslt/miner/digital_library/tip_sheets/Cinahl_cb_filters.pdf). The search was conducted from the inception of the databases to August 2010. Web of Knowledge and CINAHL were used for citation searches, foot note chasing and journal runs. Author searches were also incorporated into the search of the literature from journals including Qualitative Health Research, Gastroenterology Nurse, and Inflammatory Bowel Diseases.

Of the 1395 papers generated by the preliminary search of all the databases combined, 1282 were excluded as they were irrelevant to the study question. 113 abstracts were selected for further review, of which 92 were excluded based on duplication, quantitative methodology, and wrong subject matter. Four unpublished dissertations were identified within this and obtained, two excluded due to the quantitative methodological approach used, the remaining two were included for initial screening. Full text papers were obtained for the remaining 17 papers. These 17 papers and two dissertations were then screened for initial inclusion using three screening questions: does this paper report on findings taken from qualitative work? Did the work involve both qualitative methods of data collection and analysis? Is this research relevant to the topic area?

Of the 17 papers and two dissertations screened, 11 papers and one dissertation were excluded from the synthesis. The dissertation was excluded as no qualitative methodological analysis was undertaken. The remaining papers were excluded based on: methodological approach used an online survey method; paediatric age group; subject matter focused on living with an ostomy; narrative journey with no qualitative methodology; participant responses used to validate commonly used indices and six papers excluded as the subject group was a mixture of patients with IBD and irritable bowel disease and unable to distinguish between responses from each group.

The final selection of six papers and one unpublished dissertation were reviewed by all three authors. Data extraction forms were developed and data extraction, including study eligibility, study demographics, study characteristics, and themes, and data extraction were independently completed by three reviewers (Kemp K, Griffiths J, Lovell K).

The CASP tool was used to quality appraise the papers and also to aid the interpretation and exploration process of the synthesis. Further synthesis of the themes from the studies was agreed collectively at synthesis meetings to develop the new translations. The search summary is found in Figure 1 and full details of the search strategy are available from the authors.

**RESULTS**
Seven studies met the inclusion criteria. Summaries of the included studies are given in Table 1 and their corresponding demographics in Table 2. A list of excluded studies is available from the authors.

**Characteristics of included studies**
The seven selected studies were published from 1996-2010. Two were conducted in the United Kingdom, one in Sweden, one in Canada, one in New Zealand and two in America. All of the studies used in depth interviews and one study combined interviews with focus groups.

A total of 86 patients with an age range was 16-83 years were included and only one reported one patient from an ethnic background. Two studies focused on CD only, and one study UC patients only. The remaining studies included people with both UC and CD. Patients were recruited from relevant national IBD charities, directly from outpatients clinics, media advertisements, and from a previous community
Table 1 Characteristics of synthesised studies

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Theoretical perspective</th>
<th>Sampling strategy</th>
<th>Recruitment setting</th>
<th>Data collection method</th>
<th>Analytical approach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dudley-Brown</td>
<td>Phenomenological</td>
<td>Convenience sample</td>
<td>Patients sampled from IBD outpatient clinic when attending for their scheduled appointment</td>
<td>In depth semi structured interviews</td>
<td>Coding and memo system used, grouped and transformed into an interpretive understanding of the phenomenology of living with UC, with the extraction of emergent themes</td>
</tr>
<tr>
<td>Daniel et al</td>
<td>Phenomenological</td>
<td>Purposive sample</td>
<td>Patients recruited by an advertisement in national newspaper</td>
<td>In depth semi structured interviews</td>
<td>Kings Coal Attainment Framework used as theoretical framework; thematic content analysis of interviews to develop themes in line with this framework</td>
</tr>
<tr>
<td>Hall et al</td>
<td>Grounded theory</td>
<td>Purposive sample</td>
<td>Recruited from a previous unconnected study, sampled by lowest quintile of UK-IBDQ, established low quality of life</td>
<td>In depth interviews and focus groups</td>
<td>Concurrent data collection and analysis to identify emerging themes; selective coding used to enable theoretical framework</td>
</tr>
<tr>
<td>Burger et al</td>
<td>Interpretive phenomenological design</td>
<td>Convenience sample</td>
<td>Participants from mailing list of Indiana Chapter of Crohn’s and Colitis Foundation of America, answered advert and recruited according to inclusion/exclusion criteria</td>
<td>In depth interviews, each participant interviewed 3 times</td>
<td>Thematic analysis, identification analysis and identification of paradigm cases used</td>
</tr>
<tr>
<td>Lynch et al</td>
<td>Phenomenological</td>
<td>Purposive sample</td>
<td>Participants recruited from Crohn’s and Colitis New Zealand</td>
<td>Semi structured in depth interviews</td>
<td>Thematic analysis from transcribed data, ongoing process of interpretation used to refine themes to describe nature of the experience of living with UC, constant comparative analysis used, saturation determined sample size, core category and related categories identified; two authors analysed all interview transcripts</td>
</tr>
<tr>
<td>Pihl-Lesnovska et al</td>
<td>Grounded theory</td>
<td>Theoretical sample</td>
<td>Patients recruited from the gastroenterology outpatient clinic</td>
<td>Unstructured in depth interviews</td>
<td>Constant comparative analysis used, saturation determined sample size, core category and related categories identified; two authors analysed all interview transcripts</td>
</tr>
<tr>
<td>Cooper et al</td>
<td>Framework</td>
<td>Purposive sample</td>
<td>Patients sampled from IBD outpatient clinic when attending for their scheduled appointment</td>
<td>Semi structured in depth interviews</td>
<td>Thematic content analysis using framework</td>
</tr>
</tbody>
</table>

Table 2 Demographics of synthesised studies

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Date</th>
<th>Country</th>
<th>Age range</th>
<th>Gender</th>
<th>Disease</th>
<th>Disease duration</th>
<th>Sample size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dudley-Brown</td>
<td>1996</td>
<td>United States</td>
<td>30-50 yr</td>
<td>1 female; 2 male; 3 male</td>
<td>3 ulcerative colitis</td>
<td>1-10 yr</td>
<td>3</td>
</tr>
<tr>
<td>Daniel et al</td>
<td>2001</td>
<td>Canada</td>
<td>18-24 yr</td>
<td>1 female; 2 male; 3 male</td>
<td>IBD not specified</td>
<td>&lt; 2 yr</td>
<td>5</td>
</tr>
<tr>
<td>Hall et al</td>
<td>2005</td>
<td>United Kingdom</td>
<td>Not specified but &gt; 16 yr</td>
<td>19 female; 12 male; 6 female; 2 male</td>
<td>14 Crohn’s disease; 17 ulcerative colitis</td>
<td>Not specified but all</td>
<td>31</td>
</tr>
<tr>
<td>Burger et al</td>
<td>2005</td>
<td>United States</td>
<td>30-65 yr</td>
<td>1 female; 2 male; 3 male</td>
<td>6 Crohn’s disease; 2 ulcerative colitis</td>
<td>2-40 yr</td>
<td>8</td>
</tr>
<tr>
<td>Lynch et al</td>
<td>2007</td>
<td>New Zealand</td>
<td>16-21 yr</td>
<td>1 female; 2 male; 3 male</td>
<td>All Crohn’s disease</td>
<td>&lt; 18 mo</td>
<td>4</td>
</tr>
<tr>
<td>Pihl-Lesnovska et al</td>
<td>2010</td>
<td>Sweden</td>
<td>29-83 yr</td>
<td>1 female; 6 male</td>
<td>All Crohn’s disease</td>
<td>2-33 yr</td>
<td>11</td>
</tr>
<tr>
<td>Cooper et al</td>
<td>2010</td>
<td>United Kingdom</td>
<td>30-40 yr</td>
<td>11 female; 12 male</td>
<td>12 Crohn’s disease; 12 ulcerative colitis</td>
<td>1- &gt; 10 yr</td>
<td>24</td>
</tr>
</tbody>
</table>

IBD: Inflammatory bowel disease; UC-IBDQ: United Kingdom version of the McMaster Inflammatory Bowel Disease Questionnaire; UC: Ulcerative colitis.

Theoretical perspectives were mainly phenomenology and grounded theory with one study using framework.

Synthesis of the evidence

The three authors independently reviewed all of the studies. The emergent themes were subject to constant examination until an argument to explain the data of the combined studies was developed. The themes and findings of each study were compared with one another repeatedly to identify the 1st order constructs. This revealed the similarities and differences in the data, which led to 2nd order constructs and the interpretation of all of the synthesised studies. For example, study 1 may have had findings AB and C, study 2 may have findings AC and D, a new finding. The synthesis from studies 1 and 2 was compared to study 3 and so forth, until all of the papers were synthesised.

Early on in the synthe-
sis it was clear that the relationship between the studies was mutual, all sharing common themes\cite{58}. As the studies had a “reciprocal” arrangement, a new argument was developed. This process was followed systematically, starting with the oldest study first\cite{17} in keeping with the model of “line of argument” synthesis\cite{58}. The themes and concepts are illustrated in Table 3 and the relationship between them identified in Figure 2.

**Results - synthesis of the evidence**

The synthesis of the seven studies identified that people with IBD endure many daily challenges, stress, pain, fatigue, and fighting for control. The combined impact of living with IBD is the tension they live with. The meta-synthesis has provided an in-depth exploration of living with IBD: “Pushed and pulled: a compromised life”, people living with IBD experience a constant conflict throughout their lives, they push to be normal but IBD pulls them back.

**Living in a world of disease**

**A disease for life:** Participants were acutely aware that they had been diagnosed with a long term condition with no cure. Facing and accepting the incurable illness was met with a variety of responses yet the need to get back to normal, but inability to do so, was a theme running through all of the studies.

**Fear of long term effects:** The fear of long term effects, of death and dying left people feeling powerless\cite{52}.
The risks of cancer development and passing on the illness to children added to the burden of living with the physiological aspects of the illness.\textsuperscript{[38,52]}

**Invisible disease:** A difficult aspect of living with IBD is its invisibility.\textsuperscript{[17,38,52,53]} The studies detail how this concept affected the individuals. The lack of understanding from others doubting that they were actually sick as it was not visible, added to their feelings of anger and frustration, in particular with family members.\textsuperscript{[51]} “My sister says I’m blowing this up...it’s an act...I’m trying to get attention.”\textsuperscript{[50]}

**Wrestling with life: Striving to thrive (‘push’)**  
**Acceptance yet fight:** A common theme throughout all of the studies was the individual’s willingness and need to wrestle with their illness. Three of the studies discussed the acceptance of living with the illness yet continuing to fight it.\textsuperscript{[38,52-54]} This can be interpreted as neither a submission to the illness nor as out and out combat but more where individuals made peace with their illness. “This is how I am...to me it’s no different than saying I have a dog.”\textsuperscript{[50]}

**Control:** The concept of control is visible in all seven studies, whether this was trying to control the illness\textsuperscript{[50]}, controlling bowel urgency\textsuperscript{[38]} or losing control\textsuperscript{[51]}. Individuals fought to gain and maintain control and find a balance between what they could control and what they needed to control, for life to be acceptable.\textsuperscript{[51]} Gaining “control” had a positive impact on the individuals, recognising “performance accomplishments”\textsuperscript{[50]} and allowing them to feel “normal”\textsuperscript{[50]}. However the cost of achieving this was a large trade off which was capable of wearing the individual down and losing its ability to continue to fight, fatigue becoming a significant problem.\textsuperscript{[50]} Attempting to control their illness was their attempt to try to maintain “normality” for many people within the studies.\textsuperscript{[38,50,52,53]}

**Knowing my body:** Participants voiced the theme of “knowing my body”, with accounts of knowing when their illness flared up better than their doctor. An increased awareness of their body led the individuals to try to identify triggers or patterns and recognise when their illness flared up. By learning about their own body the individual tried to gain some scale of control and to recognise when their illness flared up better than their doctor. An individual fought to gain and maintain control and find a balance between what they could control and what they needed to control, for life to be acceptable.\textsuperscript{[51]}

**Detained by the disease (‘pull’)**  
**Fear of incontinence (unpredictability, humiliation):** All of the studies report the patient’s fear of incontinence and how they try to live with this.\textsuperscript{[17,38,50-53]} The fear appeared to be associated with past experiences of actual episodes of incontinence and remembering the humiliation this produced. Actual episodes were rare but the fear remained constant. Patients felt ashamed, not only of the actual incontinence but also of their ongoing fear. Some people reported the overwhelming shame of incontinence. Shame and humiliation was even experienced within the family unit, one grandmother describing the embarrassment she her grandchildren know that she cannot make it to the bathroom.\textsuperscript{[38,51,54]} This fear of incontinence was all consuming for some patients and became a focus of living with IBD, over and above the physical symptoms. “It’s terrible, but that’s the biggest fear.”\textsuperscript{[50]}

**Behaviour due to fear of incontinence (avoidance):**  
The fear of incontinence and its unpredictability had a profound effect on the individual’s behaviour. For many this fear led to an avoidance or curtailing of daily activities and impaired individuals work, social and leisure and private functioning.\textsuperscript{[17,38,53]}

Individuals used a range of coping strategies to either manage or avoid incontinence and included carrying pots and spare clothes, wearing nappies and identifying bathrooms prior to any travel. Travelling anywhere required extra time and was dictated by the individual’s bowel frequency and control. “Planning an escape route provided a sense of security even if it was not needed.”\textsuperscript{[50]}

The impact of this behaviour led to avoiding places and people. Studies describe patients only attending safe places\textsuperscript{[50]} with a dependency on toilets\textsuperscript{[50]} or avoiding public places all together.\textsuperscript{[50]}

**Impact of behaviour (missing out on life events, socially isolated):** The fear of incontinence, coupled with avoidance behaviour, was immensely detrimental to the individual’s QoL. They became socially isolated very easily: had limited activity with family and friends, became reclusive\textsuperscript{[50]}, and missed out on life events.\textsuperscript{[50]} The self enforced social isolation led to feelings of social inadequacy, lacking the necessary societal skills for everyday living. “I’ve just missed a whole part of my life.”\textsuperscript{[51]}

Individuals expressed feeling damaged, a failure, weak and feeble with overwhelming feelings of anger, frustration and depression.\textsuperscript{[50-53]} Unable to identify a pattern or trigger for their disease reinforced all of these negative emotions.\textsuperscript{[17,38,53]}

Stress was overtly discussed in five studies.\textsuperscript{[96-53-54]} Triggers for stress ranged from the illness itself to outside factors such as the ability to work and financial concerns and manifested itself in the form of fatigue and exacerbations of their disease. Lack of understanding from family members and feeling redundant in the family home left people feeling alienated from partners and family,\textsuperscript{[51]} and people reported complex emotions of “letting people down”.\textsuperscript{[50]}

Fatigue, tiredness and exhaustion contributed to people’s feelings of frustration, stress and powerlessness. Some people felt that fatigue was a sign of weakness and was generally misunderstood by others as it was
not evidently visible, reinforcing the invisibility of the disease.

Detained by the disease became evident as the analysis of the studies revealed that the fear of incontinence, the behaviour associated with it and the resultant enforced social isolation, resulted in “pulling” the individual back from “normal” living.

**Line of argument**

A line of argument was derived from the synthesis of the seven studies. The common translations from the studies were taken a step further and constructed into a new interpretation.

Line of argument synthesis: the ongoing factors identified by the qualitative studies impact on the individual’s whole life with IBD leading to a compromised life: the individual pushes to be normal yet IBD pulls them back. The individual is in constant conflict, fighting to be normal with the impact of this resulting in constant tension within.

The synthesised studies revealed the fear and humiliation surrounding incontinence which resulted in severely reduced social interactions. Descriptions how the illness “intruded” into the participant’s life and the constant “fight” for normality was evidenced throughout all of the studies. Phrases, including the “see-sawing of fears and hopes”, illustrate the uncertainties and contradictions of living with IBD. Importantly, the individuals describe the courage required to break the social isolation resulting from bowel symptoms. All of these aspects of living with IBD are directly related to everyday life.

**DISCUSSION**

The aim of this metasynthesis was to provide an interpretation of the health and social needs of patients living with IBD by synthesising qualitative studies and key issues emerged. People with IBD endure many daily challenges including stress, pain, and fatigue and fighting to maintain normality. The combined overall impact of living with IBD is the tension these patients live with. The value of metasynthesis is the interpretation of all of the synthesised studies to provide an inclusive representation of living with IBD: “Pushed and pulled: a compromised life”, people living with IBD experience a constant conflict throughout their lives, they push to be normal but IBD pulls them back.

Considering the plethora of evidence pertaining to the patient’s QoL, symptom burden, and psychosocial factors related to IBD, there are few qualitative studies directly exploring the patient’s beliefs and behaviours from the patient’s perspective. Only seven studies were identified, six published and one unpublished thesis, the earliest undertaken in 1996 and the latest in 2010, during a 14 year time span. The studies amount to only 86 patient accounts of living with IBD.

People diagnosed with a chronic disease must adjust to the demands of the disease as well as to the treatments for their condition. The disease may affect how the individual perceives him or herself and their relationship with others. The shifting perspectives model of chronic illness determined that life with a chronic illness does not follow a predictable trajectory but people experience a “complex dialectic between themselves and their world”. This process of debate and argument, trying to cope with the disease is all encompassing; the individual with IBD lives in a world of disease, even when in remission.

Studies have identified the long term complications of IBD, such as bone problems and colorectal cancer. These potential long term complications heighten the individual’s fear of the disease. The uncertain nature of the illness and developing cancer were concerns ranked highly for people with IBD. The fear of long term complications and dying are difficult to discuss with others when outwardly the individual appears fine.

The issue of control is important within all of the studies. The ability to take control and the relationship with psychological functioning has been established in the literature. Personal control may be informed by self-efficacy or the Common Sense Model whereby the extent to which the individual believes that their illness is manageable and possible to control, becomes focal to their behaviour. Individuals with IBD have been found to have significantly poorer psychological health than those without IBD and the metasynthesis has illustrated that control and coping are important factors and assist the psychological well being in these individuals. Controllability and coping strategies were closely linked to knowing how their body reacted to their illness and identification of flare ups, maintaining normality and acceptance of IBD within the individual’s life.

The unmistakeable burden of the fear of incontinence, the behaviour related to this fear and the impact of this behaviour on the individual, is exposed and its ongoing effects are demonstrated much more clearly by the metasynthesis. An early study identified urgency of defecation and the fear of incontinence as factors affecting the QoL in individuals with CD. Behaviour due to fear and coping strategies, such as avoidance of public places, carrying potties when leaving the house, changing working schedules, have been identified in other studies, but the collective impact of this fear and behaviour reveals the true impact IBD has on the individual.

The humiliation of incontinence and unpredictable nature of the disease leave the individual socially isolated and missing out on important life events. The reality that this fear and behaviour continues into disease remission compounds the stress, fatigue and debilitating nature of it.

All of the synthesised studies identified the issue of incontinence but the unmistakeable burden of this is exposed and its ongoing effects are demonstrated much more clearly by the metasynthesis, supporting the value of the metasynthesis and its ability to interpret studies into new translations.

There are limitations to the metasynthesis: the low number of people with IBD included in the synthesis;
the subjective nature of the synthesis; and grouping studies from various countries with different and changing healthcare systems over a period of 14 years and combining them and the advent of biologic drugs. The countries have similar socio-economic systems with developed healthcare resources but differ in terms of the financial aids required to access healthcare. Over the past decade the profile of chronic disease management has increased due to the aging population and the role of health care in the management of this area has changed dramatically with greater emphasis placed on self-management. Early studies may be deemed outdated. However the methodology of the metasynthesis and the accounts of living with IBD in the studies remain important to capture the phenomenon of living with IBD.

Based on our analysis, we conclude that the fear of incontinence, the behaviour related to this fear and the impact of this behaviour on the individual, are perhaps the most significant issues to emerge from the metasynthesis. The findings highlight the daily challenges and tensions that individuals with IBD face, whether their disease is in remission or not. Evidence has found the incidence and prevalence of IBD to be increasing, indicating its emergence as a global disease[6]. Perhaps with the emergence of biologic therapies and gene identification, emphasis has been placed upon the acute aspect of IBD and the chronicity of the disease is forgotten.

The physical symptoms alone do not validate the subjective impact of living with IBD[5]. The psychological burden of living with IBD, QoL and specific psychological co-morbidities are described as “un-promoted issues”: issues that are not always addressed in the medical literature[50]. Identification and clarity of these “un-promoted issues” can only be met by undertaking qualitative studies and health care professionals need to be aware of the influences these have on the individual when developing treatment strategies. More focused attention on the patient’s perspective of living with IBD is needed to provide patient-centred care and structure health care services. The emergence of the immense impact of incontinence, fear and behaviour on the individual from this metasynthesis requires further qualitative enquiry.

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