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The Psychosocial Impact and Value of Participating in a Storytelling Intervention for Patients Diagnosed with Cancer: An Integrative Review

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Abstract

**Background:** Interventions have recently been developed to test the therapeutic value of storytelling for people with cancer. This evidence includes different designs, as a result an integrative review is needed that can determine the impact and value of storytelling interventions for people with cancer. **Aims:** To undertake an integrative review of evidence identifying the impact and outcomes from storytelling interventions for people with cancer. **Methods:** An integrative review of group based storytelling interventions using a qualitative led-synthesis. **Results:** Eleven studies were identified with a total of 493 (49 female, 16 male, 428 not disclosed) people included. Two major themes were identified: 1) content of interaction and 2) outcomes from the interventions. Six sub-themes were identified. The results provided a unique insight into the psycho-emotional impact of storytelling interventions. **Conclusions:** It is essential that health care professionals understand the core benefits of storytelling for people with cancer. Further interventions are needed to identify an approach which could be applied within clinical settings.

Keywords

Cancer, Storytelling, Narrative, Rehabilitation

1. Introduction

Storytelling is regarded as central to good clinical practice creating trust within
the therapeutic encounter [1]. It is defined as “the effort to communicate events using words (prose or poetry), images, and sounds often including improvisation or embellishment. Stories are reflective, creative and value laden, usually revealing something important about the human condition.” ([2]; page 408). In the context of chronic and palliative illnesses they are a well-established medium used e.g., [2] [3]. Storytelling interventions have gained a great deal of traction for their ability to enhance health communication and clinical practice [4]. They have been identified as encouraging positive behaviours associated with diet and physical activity [5] [6]. From the perspective of people with cancer storytelling may provide a medium through which emotions can be expressed [7]. Indeed, the process of sharing a story involves a transportation of emotions as the teller relives events [8]. It is likely that sharing stories enables a positive psycho-emotional and adaptive response to illness [9].

Past reviews have considered the benefits of storytelling-interventions for individuals with cancer at the screening point e.g., [10]. However, limited studies have been included within review evidence. For instance, there was very limited evidence of storytelling as a benefit for the side effects of cancer treatment [11] or as a behavioural treatment for paediatric patients [12]. In a broader review in chronic illness only 2 out of 10 studies considered the benefits of storytelling on individuals with cancer [13]. A more comprehensive review is justified because of the limited exploration into the value of storytelling. A review needs to be inclusive of the full-range of methodologies used to consider the experience and impact of interventions on people with cancer. Past studies have used qualitative e.g. [14] [15], mixed methods e.g. [16] and quantitative studies e.g. [17] to reveal the impact and change created by storytelling interventions. Given the above, the aim of the current research is to undertake an integrative review of evidence identifying the impact and outcomes from storytelling interventions for people with cancer.

2. Methods

An integrative review [18] was undertaken and reported according to three traditional steps; 1) Study eligibility and literature search process, 2) Data evaluation and 3) Data synthesis. A PRISMA checklist and flow diagram was used to aid the documentation of the search techniques and outputs [19]. For the purposes of this review we assume a subtle realist paradigmatic view-point.

2.1. Protocol and Registration

A protocol was registered with PROSPERO with ID: CRD42018115901.

2.2. Eligibility Criteria

The eligibility criteria are presented according to the PICOS (Participants, Intervention, Comparator, Outcome and Study Design) acronym.
Any participants that have been clinically diagnosed with cancer. Any age group or gender group was allowed. The evaluation of other stakeholder’s view of a storytelling intervention was included. Where other stakeholders (health care professional, family, carer) were included in studies the results section had to devote at least 50% of the results to the participant with cancer to be included. Where multiple populations were used, a separate results section for patients with cancer was required. Screening based interventions were excluded.

A storytelling or narrative intervention had to be reflected on or examined through any means (including face to face, internet based, tele-based). The intervention had to take place within a group setting. The purpose of the study had to include looking at the impact of storytelling on the psychosocial and emotional health or behaviour of participants. The storytelling intervention had to include contact between individuals and involve sharing stories with other patients. For the purpose of this study expressive writing was excluded. Articles that did not include a specified intervention for example a narrative analysis of experiences of services were excluded. Articles that used narrative as a small part of the intervention were excluded.

Any active or inactive control group could be used. No control group was acceptable.

Any form of data collection could be used as long as it was able to capture experiences relating to the impact of storytelling on the individual’s psychosocial or emotional well-being or behaviour.

Any study design was acceptable. All thesis and conference abstracts were excluded. Studies written in English, Spanish, French and Portuguese were included. Other languages were excluded due to the absence of translation services.

2.3. The Search Process

A sensitive topic based search strategy adhering to recent guidelines [20] was undertaken. The search included electronic databases (until 30 November 2018) including MEDLINE, Psychology and Behavioral Sciences Collection, CINHAL, PsychINFO, SPORT Discuss, EMBASE, PEDro, ZETOC databases. The search was supplemented by selected internet resource sites including: PubMed, Turning Research to Practice, and the first 20 pages of results from the sites Google Scholar and Science Direct. Once initial articles were obtained further searching of the 5 most common journals (identified in the database search) was conducted and citation chasing was undertaken. Key words: Cancer* AND Narrative OR Illness Narrative OR Story OR Storytelling OR Expression OR Emotions AND Intervention OR Experimental OR Qualitative OR Quantitative OR Mixed Methods.
2.4. Study Selection

In the first stage of the selection process authors identified articles that potentially met the criteria for inclusion. The lead author removed duplicates and two independent reviewers considered the abstract of each article. A third independent reviewer was available to establish if an article should be included.

2.5. Data Collection Process

A predefined extraction form was used to identify critical study-design information and demographical details as follows. Participant demographic variables (age, gender, site of cancer, staging, geographical location and setting of the study for both the patient-group and any control-group; design and implementation intervention specifics together with details of trial [21], quality appraisal summary, analysis and key results).

2.6. Data Evaluation

Quality assessment of qualitative studies was undertaken using the consolidated criteria for reporting qualitative research (COREQ) [22] based on a 13-item version [23]. The studies were also assessed by a more specific checklist that identifies the characteristics of qualitative studies [24]. Both authors used the checklists to identify the utility of the studies for the synthesis process. The Cochrane risk-of-bias tool allowed the internal validity to be considered for each quantitative and mixed-methods study.

2.7. Data Synthesis

A qualitative-led synthesis was undertaken as recommended [18]. The synthesis used open-coding, this was followed by mind-mapping of the established themes and tubulisation of results into thematic groups. The table was reduced to focus on the most common themes and the quantitative findings were used to develop the understanding around them through a final process of integration.

3. Results

Nine hundred and two unique records were screened. Eleven articles were identified as meeting the eligibility criteria. Figure 1 provides a PRISMA diagram representative of the information.

3.1. Demographics

The total number of post-treatment participants included across studies was 493 (49 female, 16 male, 428 not disclosed). There were 168 duplicate participants [25] and 10 spouses [14] not included in this number. One study used patients who were terminally ill within a hospice setting [17]. The most prevalent types of cancer identified included; Head and Neck Cancer (n = 246), breast cancer (n = 173) and not stated (n = 40). Other types with more than one participant included gynaecological (n = 8), Lung (n = 4) and Stomach (n = 2). All studies
apart from one [26] included adults over the age of 18 years, only one study [25] provided a mean age (55.4 ± 11.0 years). No study provided details of the number of years of living with the illness. Settings included oncology clinics (n = 4), were internet based interventions (n = 3), tele-conferences (n = 3) and a medieval castle (used as a cancer centre that offers courses). Most studies were undertaken in the USA (n = 7), with single studies taking place in Denmark, Brazil, Japan and France. The supplementary file provides a full breakdown of demographics (see Table S1).

3.2. Data Evaluation

All qualitative studies met pre-defined agreed criteria. Full consideration of the quality assessment is provided in the supplementary file. The quantitative studies identified some high risks-of-bias, as; 1) no protocol (n = 8), 2) no allocation concealment (n = 7) or 3) no randomisation procedures (n = 7). A total of four studies [16] [17] [26] [27] had 5 domains identified as high risk-of-bias. Breakdown of the risks of bias are listed and described in Table 1. The supplementary file provides a full breakdown of data evaluation by design type; see Table S2 and Table S3 for qualitative evaluation and Table S4 for quantitative evaluation.

Figure 1. PRISMA 2009 flow diagram.
### Table 1. Summary assessment of the overall risk of bias.

| Trial* | Components of risk of bias/key risk criteria | Summary within trial | Comments on high risk components—(explain briefly why) |
|--------|---------------------------------------------|----------------------|-------------------------------------------------------|
| Ando et al. (2018) | H H H H L H | H = 5 L = 1 U = 0 | Selection bias: No identification of sequent generation or allocation concealment. Detection/Performance bias: No blinding of assessors mentioned. Other bias: No protocol. Choice of statistics questionable. |
| Crogan et al. (2008) | H H H H L H | H = 5 L = 1 U = 0 | Selection bias: No identification of sequent generation or allocation concealment. Detection/Performance bias: No blinding of assessors mentioned. Other bias: No protocol. Choice of statistics questionable. |
| Garcia-Schinzari et al. (2014) | H H H L H | H = 5 L = 1 U = 0 | Selection bias: No identification of sequent generation or allocation concealment. Detection/Performance bias: No blinding of assessors mentioned. Other bias: No protocol. Choice of statistics questionable. Sample size not justified |
| Falzon et al. (2015) | L L L L L H | H = 1 L = 5 | Other bias: No protocol. |
| Heiney et al. (2012) | H H L L L H | H = 3 L = 3 | Selection bias: No identification of sequent generation or allocation concealment. Other bias: No protocol. Sample size not considered. |
| Heiney et al. (2013) | H H L L L H | H = 3 L = 3 | Selection bias: No identification of sequent generation or allocation concealment. Other bias: No protocol. Sample size not considered. Refers to Heiney et al. (2012) for procedures and methods. |
| Heiney et al. (2015) | H H L L L H | H = 3 L = 3 | Selection bias: No identification of sequent generation or allocation concealment. Other bias: No protocol. Sample size not considered. Refers to Heiney et al. (2012) for procedures and methods. |
| Song et al. (2012) | H H H L H | H = 5 L = 1 U = 0 | Selection bias: No identification of sequent generation or allocation concealment. Detection/Performance bias: No blinding of assessors mentioned. Other bias: No protocol. Choice of statistics questionable. |

*Trial denoted by first author. Risk of bias criteria: 1, Selection bias = random sequence generation; 2, Selection bias = allocation concealment; 3, Detection/Performance bias = blinding of personnel, assessors and participants; 4, Attrition bias = incomplete outcome data; 5, Reporting Bias = short-term selective outcome reporting; 6, Other bias = potential threats to validity e.g., consideration of a protocol. Levels of risk of bias: H, high risk of bias; U, unclear risk of bias; L, low risk of bias.

#### 3.3. Data Synthesis

Two major themes: content of interaction and outcomes from the interventions and six sub-themes were identified. Full details of data synthesis can be identified in the supplementary file Table S5 onwards.

**Major Theme 1: The Content of Interaction**

The first major theme identified had two sub-themes: 1) the expression of emotions which validated suffering and 2) the appraisal of life circumstances and experiences.
3.4. Subtheme a: The Expressions of Emotions Which Validated Suffering

This sub-theme identified the importance of the opportunity to express suffering and the ability for each participant to consider and offer true and experienced feelings associated with the illness. Six [14] [15] [16] [25] [26] [28] of the eleven studies identified content within this theme.

Individuals had an opportunity to discuss fears and worries which were aspects of the situation that were exclusive to the group [15] [24] [26] [28]. The group environment represented a space where judgement from others about individual’s story/ies was suspended or limited [15]. Shared topics included fear of suffering, mental exhaustion and a sense of isolation [28]. Song et al. [16] identified that around a fifth (22.7%, n = 13/61) of the conversations were focussed on pain or suffering and similar proportion around fears and concerns related to the cancer recurring and/or symptoms worsening (18.2%, n = 11/61). This may vary by type of medium used within the studies. For instance, only 19.7% (n = 12/61) of video postings (n = 12/61) on the internet had a direct reference to cancer.

In a study by Heiney et al. [25] over half the respondents (64.1%, n = 25/39) identified that having others listen and feeling free to talk was the best aspect of the group-discussion. Allowing individuals to talk openly was identified as healing for the whole group [15]. There was a very high agreement (4.0 ± 0.2) with the statement (out of a possible score of 4) that “it was good to learn from other patients about their feelings” [29]. Other studies noted that group interaction didn’t have to be serious all of the time. Comedy was used as a way of providing distance from situations discussed and reduced the intensity of the discussion e.g., joking about the need of “shampoo for bald-headed people” [28]. The group environment could tolerate silences because participants felt at ease during the group sessions [15].

3.5. Sub-Theme b: The Appraisal of Life Circumstances and Experiences

Sub-theme b illustrates the importance of the group being more than just focused on emotional expressions and incorporated broader aspects of living to be included within the story-telling groups. Two of the eleven studies [16] [28] identified content for this theme.

The broader conversation that occurred could include the appraisal of participants’ lives beyond the symptoms of the cancer. One participant in the study by Evans et al. [15] identified her role within the family as an aspect of life that had been impacted by cancer. She stated her situation around children was affected and required her to project a sense of being in a normal parent role. The study by Song et al. [16] illustrated that these broader and overarching conversations could include non-pharmacological treatments like nutrition, exercise, alternative medicine (15.0%, n = 9/61) as well as an individual’s interests and hobbies.
(57.4%, n = 35/61) and unique personal qualities (47.5%, n = 29/61).

**Theme 2: Outcomes from groups**

The second major theme identified common outcomes evident across the different studies. There were four sub-themes: 1) psychological healing, 2) developing a shared understanding of coping, 3) social well-being and 4) legitimising or rationalising the experiences of illness.

### 3.6. Sub-Theme (a) Psychological Healing

This sub-theme identifies the impact of the group on psychological well-being as well as an understanding of why the impact may have occurred. The sub-theme was supported by seven [15] [16] [25] [26] [27] [28] [30] of the eleven studies.

Sharing stories appeared to provide a space to aid the psychological well-being of the individual. This was illustrated by significant decreases in stress ($p < 0.05$, $F = 12.2$), fatalism ($p = 0.03$) and fear ($p = 0.02$) over time in comparison to a control group [30]. Another study identified that nine (45%, n = 9/20) participants changed their original pre-group emotion to a happier emotion ($p = 0.01$) [26]. Not all changes were significant however. There was no significant change in spiritual well-being or hope identified [17], or significant impact on physical self-efficacy pain [27] or depression [25] [27] reported by storytelling groups. Although of these non-significant results all studies except Heiney et al. [25] had at least five aspects which were identified as high on the risk of bias assessment.

Being able to share, be heard by someone else and tell and retell stories within the group setting was identified as a process which eased psychological suffering [15] [25] [28]. For instance, one participant identified “If a laugh is good medicine then the chat was something that can heal, maybe not our breast cancer but our souls.” [28]. This was quantified by Heiney et al. [29] who identified agreement with statements (0 no agreement to 4 complete agreement) that individuals; 1) enjoyed the sharing experience (3.8 ± 0.4), 2) felt better about themselves as they were helped by the group (3.8 ± 0.4), 3) were able to express personal feelings (3.72 ± 0.45) and concerns (3.72 ± 0.45) within the group.

### 3.7. Sub-Theme (b) Developing a Shared Understanding of Coping

This sub-theme identified that in the process of storytelling individuals were able to describe and understand how to manage their condition because the information was shared by others enabling reflection. Four [14] [15] [25] [28] of the eleven studies supported the sub-theme.

The group environment provided a space which created the capacity to understand how to cope and manage with both a diagnosis and symptoms of cancer [15] [25] [28] [29]. One study [29] quantified this by scoring agreement with the statements out of a complete agreement of 4. It was identified that the group “helped them cope” (3.7 ± 0.44) and “supported others to examine different ways of managing problems associated with cancer” (3.56 ± 0.55.)

Learning to cope included the ability manage difficult aspects of the illness
like sexually function [28]. In the study by Evans et al. [15] Individuals identified because of the storytelling intervention that they understood how they may not be able to cope now and went on to identify the repercussions in their lives.

3.8. Sub-Theme (c) Impact on Social Well-Being

This sub-theme identified that in the process of storytelling individuals gained new friendships that were a source of comfort and well-being. Four studies [25] [28] [29] [30] out of eleven supported this sub-theme.

The storytelling intervention counteracted feelings of isolation [25] [28]. This was identified in a quantitative study with a subsequent significant improvement in social connection [30] and by another study as agreeing with the statement (out of 4) that individuals “felt supported by other group members” (3.9 ± 0.34) [29]. Personal stories of those who had survived and found ways to live with cancer were perceived as encouraging [28]. In one study [25] the majority (65%, 26/39) of individuals identified that they were more able or empowered to seek support following attendance at the group. One study identified that the internet initially made it easier to discuss and share personal feelings [28]. However, another [15] identified a participant who regretted sharing personal information in a group setting. Another study [14] identified that the process of sharing developed slowly and it was unlikely to happen in the early stages of the group.

3.9. Sub-Theme (d) Legitimising or Rationalising the Experiences of Illness

This sub-theme identified that individuals felt there was an important function of the group through which they could feel able to share their experiences and feel “heard” or listened to by others. Five studies [14] [15] [28] [29] [31] out of eleven supported this sub-theme.

The following aspects of the storytelling intervention enhanced the experience of being heard and valued. This included; 1) feeling accepted by others [15], 2) entering a shared social-world of another person [14] [28], and 3) the ability to use and relate to metaphors and conversations with deep personal meaning [14]. Participants felt able to join in and relate to others [15] [28]. Relatedness was enhanced by laughter and intimacy [29] or the ability of expressions to reveal vulnerability [15]. One study identified how this relied on the participants’ ability to believe and trust in the message from the other members of the group. One of the studies [31] measured “source trust” (the belief and trust in the person giving the message). This quality was higher in the storytelling group compared to comparison group (T = −10.61, p < 0.001). Source trust was also associated with more positive attitudes for instance exercise beliefs and benefits. Another study by Heiney et al. [29] identified agreement with statements (0 no agreement to 4 complete agreement) that individuals; 1) liked “sharing with other women with breast cancer” (3.8 ± 0.37), 2) were able to “share a thought that would not be shared with most people” (3.63 ± 0.5). Both points illustrated a willingness to
share meaningful information within the group.

4. Discussion

This is the first integrative review of literature to bring together the value and impact of storytelling interventions for individuals with cancer. Results identified that often the focus and content of discussion within the storytelling group contained elements of suffering, isolation, and emotions or feelings associated with the cancer. The discussion went beyond the immediate impact of cancer. The freedom to choose stories and be open with one’s expressions of concerns and worries was important within the group setting. This ability to be open benefitted patients socially and was optimised through the creation of trusting relationships that developed. The ability for all individuals to contribute to the storytelling intervention if they choose to as peers within an open atmosphere may explain the value of a storytelling intervention [13]. However, it must be noted that the ability to be free to express views may vary by setting and type of interaction as well as being a reflection of how well individuals know and trust the group.

Health-policy sets patient-centred care well-being and autonomy within the survivorship stage of the disease management. There is increasing recognition of the importance of psychosocial interventions to promote behaviour change, enhance preventative care and to express and process emotion-related responses to cancer e.g. [32]. Most evidence presented within the review shows an effect of storytelling on an individual’s psycho-emotional well-being through a decrease of negative emotions such as stress or fear. These changes maybe as a direct result of patients being able to share aspects of their lives and reflect upon the impact it has on them.

A person’s mood and emotion may be the most variable aspect related to adjustment and being able to share an illness stories may have a substantial impact on their mood and psychological adaptation. It has been recognised that emotions can be shared through stories which has been identified to bring about physiological changes which are beneficial to the individual [1] [3]. The current results illustrated a benefit in being able to retell one’s story and this is likely associated with positive changes in psychological well-being [9]. It may be that through the natural evolution of the teller’s experience the story becomes adapted and modified which enables better psychological adaptation to the situation by the individual [33].

Further, it has been identified that the process of sharing information through the medium of a personal story provides a sense of empowerment and that individuals feel liberated by the act of sharing [34]. Part of the reason for such a positive effect could be the ability to share emotions which influences an individual’s well-being. The current review has highlighted that past quantitative studies may not have considered outcome measures which represent the changes that might be reported by patients participating in storytelling interventions. Story-
telling appeared to allow sharing of coping and management strategies between participants, which promotes mental well-being and potentially enhances quality of life. This has been identified in studies of other patients with long term illnesses; including other palliative illnesses [35].

4.1. Implications

- Listening to stories provides a way of increasing trust between the health care professional and the patient. It allows the health care professional an opportunity to understand the patient rather than to make presumptions based on clinical information in isolation.
- Storytelling has been identified as a good intervention that can strengthen communities where the intervention takes place and benefit attitudes and behaviours. The current results support this statement and identify a need for further good quality research to develop interventions that are replicable and promote this as good practice.
- The ability to use stories as a process is readily understood by patients without a requirement to develop new skills at a time when they might have a sense of being overwhelmed.
- Outcome measures that consider social support, emotions, group social-identity or empathy around interactions may capture changes occurring in the group setting.
- It may be important to assess the impact of storytelling by considering a simple assessment from practice which can aid the process.

4.2. Limitations

- Heterogeneity of the studies. These included: the cancer type, the geographical location, culture and setting, the type of intervention and ability to identify benefits through different communication means or types of intervention and finally the use of a standardised design and choice of outcome measures all contribute to this.
- One study Garcia-Schinzari et al. [26] used children and adolescents aged from 4 - 15 years. However the contribution of this study to the synthesis was minimal except to support the evidence of positive changes in emotions as a result of a story.
- Focus on the most common findings may limit consideration to specific findings within particular interventions or setting.
- Restriction on language may focus findings towards particular cultures.
- Consideration of other stakeholders (carers, spouse, health care professionals) to the process and its impact are not given.

5. Conclusion

This integrative review has provided an initial indication of the value of storytelling interventions for people with cancer. Whilst there are limitations because of
the heterogeneity of the studies, there is consistent evidence that identifies benefit from these interventions and explains a mechanism associated with the process.

**Conflicts of Interest**

The authors declare no conflicts of interest regarding the publication of this paper.

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## Supplementary File

### Table S1. The demographical and design related information for included studies.

| Study                  | Methodology, aim               | Eligibility                                                                                           | Participants, Sampling and Setting | Key intervention details                                                                 | Data collection methods, aim and focus and analysis |
|------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------|
| La Cour et al. (2016)  | Paradigmatic position:        | People who have had or have cancer. People who were 18 years and older. Groups included only Gynaecological and Lung cancer (because of psycho/emotional impact) | Participants: 20 individuals (patient and spouse) or 10 pairs | Length: 5-day residential intervention. Overcome challenges and importance of creative activities and social context | Methods: Interviews after 1 month. Observation and informal conversations were used to create field notes and electronic recordings |
|                        | Interpretivist                 |                                                                                                       | Cancer type: Gynaecological cancer (n = 8) | Content topics identified to psychologically and emotionally support people                | Outcome measure development/Pilot work: Interview schedule was based on field notes included questions like what was the course like, what have you incorporated into your life. |
|                        | Methodology: Ethnography      | Aims: Explore the use of storytelling as part of a residential cancer rehabilitation intervention for patients and their relatives with a focus on disease management | Lung Cancer (n = 2) | Researcher/HCPs involved: counsellors with difference health and social care backgrounds (no additional detail) | Duration of interview: 2 hours |
|                        |                                | Eligibility Criteria: People who have had or have cancer. People who were 18 years and older. Groups included only Gynaecological and Lung cancer (because of psycho/emotional impact) | Sampling Technique: not identified | Cost to participant: No cost to attend Development rationale: supplied based on managing challenges and importance of creative activities and social context | Assessor: Analysis Narrative employment (Ricoeur, 1984) |
|                        |                                | Setting: medieval castle | Treatment details: not given | Country: Denmark | Outcome measure assessment: |
|                        |                                |                                                                                                       |  |  |  |
| Høybye et al. (2005)   | Paradigmatic position:        | 15 females                                                                                           | Participants: 15 females 45 years | Length: 8 months | Methods: face to face or over the internet (live chat room) interviews. “Most interviewed” twice. Field diary of interaction across chat room. |
|                        | Not stated likely interpretivist | 28 - 55 year range                                                                                     | 45 years | Content: internet based discussion shared between the group | Outcome measure development/Pilot work: no specific sample questions rather issues were addressed: personal breast cancer story, use of internet, involvement in the mailing list, understanding of list or conversations, personal social relations understanding of present situation and hope |
|                        | Methodology: Ethnographic case study | Married (n = 12)                                                                                       | 28 - 55 year range | Assessor/Researcher/HCPs involved Researcher involvement | Duration of interview: not given |
|                        |                                | Children (n = 13)                                                                                      | |  | Analysis: narrative (not clear) |
|                        |                                |                                                                                                       | Cancer type: Breast cancer | Cost: No cost to participate Development rationale: need to understand the social value of the internet and the ability to empower cancer patients to consider isolation to |  |
|                        |                                |                                                                                                       | Sampling Technique: Purposive recruitment from a mailing list | Researcher/HCPs involved: counsellors with difference health and social care backgrounds (no additional detail) |  |
|                        |                                |                                                                                                       | Setting: Internet chat room | Cost to participant: No cost to attend Development rationale: supplied based on managing challenges and importance of creative activities and social context |  |
|                        |                                |                                                                                                       | Treatment details: All had or were undergoing chemotherapy Radiation treatment (n = 13) Tamoxifen or Femar (n = 6) | Outcome measure assessment: interview with most |  |
|                        |                                |                                                                                                       | Country: USA, Faeroe Islands and Greenland |  |  |
### Evans et al. (2008)

**Paradigmatic position:** Not clear likely interpretivist

**Methodology:** Not identified

**Aim:** Identify the meaning of the group

**Eligibility Criteria:**
1. Any type of cancer was included with any time since diagnosis, point of treatment, ethnicity or gender.
2. Individuals were under the care of a physician and spoke English.
3. Willing to share information with a group.

**Participants:** 10 completed (9 female and 1 male) pre test (7 completed post test)

**Sampling Technique:** Convenience

**Setting:** Oncology clinic at a medical center

**Treatment details:** Story telling intervention across 12 sessions

**Country:** USA

**Length:** 12 × 1.5 hour sessions

**Content:** Nurse led story telling intervention

**Assessor/Researcher/HCPs involved:** Nurse facilitator of sessions. Assessor unclear.

**Outcome measure development/Pilot work:** One question led process which was what was the experience of the group like for you. The interviewer then showed interest and probed answers

**Analysis:** Thematic analysis

### Song et al. (2012)

**Paradigmatic position:** Post-positivism

**Methodology:** Mixed methods (no type given)

**Aim:** Consider the cancer survivor identity, what was internalised about the identity and consider what is shared during story telling and association to psychological health.

**Eligibility Criteria:**
1. Diagnosis of cancer during childhood or adolescent and at the time of the study be aged 18 - 29.
2. Off cancer treatment for 2 years and cancer free for 5 years.
3. Individuals with cognitive impairment as a symptom of their cancer were excluded.

**Participants:** 14 participants between 18 - 29

**Sampling Technique:** Purposive from a telephone and mailing list

**Setting:** Face to face assessment

**Treatment details:** Smart phone provided to participants. Website created for video sharing and social networking on mobile-web application.

**Country:** USA

**Length:** 6 Months

**Content:** Single face to face orientation session.

**Assessor/Researcher/HCPs involved:** A registered nurse and member of research team screened for eligibility.

**Outcome measure assessment:** Video narratives and psychosocial outcome measures including: "Who AM I"? Test (Kuhn and McPartland’s, 1954), Depression using Centre for Epidemiologic Studies-Depression Scale (CES-D; Radoff, 1977), Survivorship Self-efficacy (adaptation of Jerusalem and Schwarzer 1992) (no psychometric considerations for adapted test)

**Analysis:** Video clips used a-priori analysis looking at references to cancer, stereotypes and social identity and acceptance of saviour identity.
| Study                        | Paradigmatic position | Methodology                       | Participants | Length                  | Content                                                                 |
|------------------------------|-----------------------|-----------------------------------|--------------|-------------------------|-------------------------------------------------------------------------|
| Garcia-Schinzari et al. 2014 | Post positivist/Pragmatist | Mixed methods trial              | 20 (14 Female, 6 Male) | 1 single session       | three phases 1: Story is told by a pair of occupational graduates (who receive 33 hours of training) using resources of a box made for the purpose, the children are then invited to explore materials in the box and retail their story according to their interest. The idea is playful activities involving exploring the content of a "story box" which allowed retelling the story of a child. |
| Eligibility Criteria: Any child or adolescent with a diagnosis of cancer | | | | | |
| Setting: University based clinic | | Treatment details: treatment provided in university clinic by occupational therapists. | | | |
| Country: Brazil | | | | | |
| Ando et al. (2018) | Not considered (likely post-positivist) | Pre-experimental Feasibility study using mixed methods | 10 (8 male and 2 female) | 2 sessions (lasting 60 mins each) | Session 1 considered questions around living pre and post illness, difficulties and coping Session 2 considered questions around importance of in life and thoughts about life currently, changes following illness, and hope for future |
| Eligibility Criteria: 1) terminally ill patient at a home hospice | | | | | |
| Setting: hospice | | Treatment details: 2 sessions of story telling | | | |
| Country: Japan | | | | | |

**Development rationale:** sharing stories helps them understand and develop coping strategies to deal with cancer.

**Outcome measure assessment:**
- AUWEI Scale (Assumpção Júnior et al., 2000)
- Field diary assessment of behaviour, posture and non-verbal communication (facial expression and body expression)

**Methods:** Outcome measures and interviews

**Outcome measure development/Pilot work:**
- Validity consideration to outcome measures no development of interview given

**Duration of interview:** not given

**Analysis:** Wilcoxon paired sign rank test

**Outcome measure assessment:**
- The Functional Assessment Chronic Illness Therapy-Spiritual Scale (Peterman et al., 2002)
- The Functional assessment of Cancer Therapy General (Cella et al., 1993)
- Life Satisfaction Scale (Diener et al., 1985)
| Crogan et al. (2008) | Paradigmatic position: | Positivist | Participants: 10 completed (9 female and 1 male) pre test (7 completed post test) | Length: 12 × 1.5 hour story telling sessions | Method: Patient reported outcome measure |
|---------------------|----------------------|-----------|----------------------------------|----------------------------------|----------------------------------------|
| Methodology: Randomised control trial with repeated measures | Content: Session facilitated by a designed tool kit | | | | |
| Aim: To use storytelling with aid of a tool kit (See Evans et al., 2008 above) to discuss loss of control, hopes for positive outcomes and relationship guided by a developed tool | | | | | |
| Eligibility Criteria: 1) any cancer type 2) be able to speak English, 3) willing to receive care from a physician and allow access to medical records. Exclusion: 1) receiving psychotherapy or had a psychiatric diagnosis 2) the use of psychotropic medication, 3) inability to comply with study protocol (e.g., attendance of sessions) 4) individuals “experiencing difficulties” (psychological) were excluded and referred to a counsellor | | | | | |
| Treatment detail: Story telling intervention across 12 sessions | | | | | |
| Country: USA | | | | | |

| Falzon et al. (2015) | Paradigmatic position: | Post-positivist | Participants: 158 | Length: Read a testimony (2 types) and a control group over 1 session | Method: Randomised control trial |
|---------------------|----------------------|-----------|-----------------|----------------------------------|----------------------------------|
| Methodology: Randomised control trial | Content: random allocation to three groups: 1) breast cancer testimony, 2) expert recommendations to read, 3) control group with no message. | | | | |
| Aim: Examine and compare two messages which promote physical activity. | Assessor/Researcher/HCPs involved: Researcher blind to process | | | | |
| Eligibility Criteria: 1) women 40 years of age or older 2) diagnosis with stage I-III 3) receiving chemotherapy 4) not meeting physical activity recommendations in past 6 months 5) written informed consent and ability to speak French. | | | | | |
| Treatment details: 3 conditions | Cost: N/A | | | | |
| Country: France | Development rationale: unclear benefit of narrative messages | | | | |
| Outcome measure assessment: Source Trust adapted questions from McQueen and Kreuter (2010) Exercise self-efficacy using three items on a likert scale Belief about exercise in cancer patients adapted from the Adapted Stereotypes and Exercise Scale (Chalabaev et al., 2013) Exercise intension 1 item scale | | | | |

| Methods: Randomised control trial | Outcome measure development/Pilot work: Not detailed | | | | |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Duration of interview: N/A. | Analysis: Repeated measures ANOVA with normality testing and association tested with Pearson and Spearman rank correlation. | | | | |
| Source: Falzon et al. (2015) | | | | | |
### Heiney et al. (2012)

**Paradigmatic position:** Post positivist

**Methodology:** Randomised control trial

**Aim:** To consider if a therapeutic group delivered by teleconference would increase social connection compared to a control group

**Eligibility Criteria:**
1. Born in the US and English speaking African American women who were older than 21 years
2. Diagnosis with an invasive ductal carcinoma, including colloid, tubular and medullary types
3. Treatment was either lumpectomy with adjunctive treatment (radiation or chemotherapy) or excision biopsy.

**Participants:** 185

**Cancer type:** Invasive ductal carcinoma and colloid, tubular and medullary types

**Life expectancy:**
- Convivence—self referral or physician referral.

**Sampling Technique:**
- Teleconference

**Setting:**
- Teleconference

**Treatment details:**
- Country: USA
- Length: 8 weekly session and 2 booster sessions which were 1.5 hours in length.
- Content: Each session contained a story sharing element. Final two sessions contained a story sharing element and no new information.

**Assessor/Researcher/HCPs involved:** Two experienced African American social workers lead the group.

**Cost:** All participants received a gift card ($20) and a small gift ($3) for participating.

**Development rationale:** Based on previous work.

**Outcome measures assessment:**
- Feedback form about group including: therapeutic factors, cancer knowledge, social connection, group structure and group leadership assessed in 19 Likert questions.

**Methods:**
- Randomised control trial with standard patient report outcome measures.

### Heiney et al. (2013)

**Paradigmatic position:** Post positivist

**Methodology:** Randomised control trial

**Aim:** To describe the format of the teleconference group and provide descriptive feedback from participants about the intervention

**Eligibility Criteria:**
1. Born in the US and English speaking African American women who were older than 21 years
2. Diagnosis with an invasive ductal carcinoma, including colloid, tubular and medullary types
3. Treatment was either lumpectomy with adjunctive treatment (radiation or chemotherapy) or excision biopsy.

**Participants:** 61

**Cancer type:** Invasive ductal carcinoma and colloid, tubular and medullary types

**Life expectancy:**
- Not identified

**Sampling Technique:**
- Self referral or physician referral.

**Setting:** Teleconference

**Treatment details:**
- Country: USA
- Length: 8 weekly session and 2 booster sessions which were 1.5 hours in length.
- Content: Each session contained a story sharing element. Final two sessions contained a story sharing element and no new information.

**Assessor/Researcher/HCPs involved:** Two experienced African American social workers lead the group.

**Cost:** All participants received a gift card ($20) and a small gift ($3) for participating.

**Development rationale:** Based on previous work.

**Outcome measures assessment:**
- Feedback form about group including: therapeutic factors, cancer knowledge, social connection, group structure and group leadership assessed in 19 Likert questions.

**Methods:** Outcome measures to assess outcome measures.

**Outcome measure development/Pilot work:** (Previous work by Heiney et al., 2003; 2003b)

**Duration of interview:** Not identified.

**Analysis:** Use of Microsoft Excel. Consideration to descriptive statistical analysis. Felsch Reading Ease and Felsch-Kincaid Grade level.
Heiney et al. (2015) (same participants used)

Paradigmatic position: Post positivist
Methodology: Randomised control trial
Aim: consider if depression and fatigue decrease more in the story intervention group compared to a control group

Eligibility Criteria: 1) 21 years old or older, African-American, English Speaking, Diagnosed with invasive ductal carcinoma within the previous 6 months.

Participants: 168
Intervention group 55.4 (11.0) years
Control group 56.7 (11.0) years

Cancer type: Sampling Technique: Convivence Setting: Teleconference

Treatment details: Intervention developed by teleconference

Country: USA

Length: 8 weeks then every 2 weeks for 3 years
Content: Randomisation into story intervention group or psychosocial care (active control group). Control group received normal care and could request any care within standard treatment.

Assessor/Researcher/HCPs involved: two social workers facilitated the session, in 15 sets of 10 participants.

Cost: Stipends given to participants $3 - $10 dollars

Development rationale: participation in a group brings on benefits for individuals where sharing is possible with others who are similar.

Outcome measure assessment: POMS-Short form (PMS-SF) (McNair et al., 1992)

Table S2. The completed 13-item COREQ framework (Soundy et al., 2016) adapted from the 32-item COREQ framework (Tong et al., 2007).

Domain 1: Research team and reflexivity

Evans et al., 2008 | Haybye et al., 2005 | La Cour et al., 2016
---|---|---
**Personal Characteristics**

1. Interviewer/facilitator
   - Which author/s conducted the interview or focus group?
   - Experience and training. What experience or training did the researcher have?

2. Relationship with participants
   - Relationship established, Was a relationship established prior to study commencement?
   - Participant knowledge of the interviewer. What did the participants know about the researcher? e.g. personal goals, reasons for doing the research

3. Interviewer characteristics. What characteristics were reported about the interviewer/facilitator? e.g. Bias, assumptions, reasons and interests in the research topic

**Scoring**

|   | Evans et al., 2008 | Haybye et al., 2005 | La Cour et al., 2016 |
|---|---|---|---|
| 1 | U | U | U |
| 2 | U | U | U |
| 3 | U | U | U |
| 4 | U | U | U |
| 5 | U | U | U |
Continued

| Domain 2: study design | 0/5 | 1/5 | 2/5 |
|------------------------|-----|-----|-----|
| **Total Score for Domain 1.** |     |     |     |
| Domain 2: study design |     |     |     |
| **Theoretical framework** |     |     |     |
| Methodological orientation and theory. What methodological orientation was stated to underpin the study? e.g. grounded theory, discourse analysis, ethnography, phenomenology | 6   | 0   | 0   |
| Score a point where the paradigm and methodology are given. Score zero where both aspects are missing. Score U where this information is unclear. | 0   | 0   | 0   |
| 0.No mention of information needed | 0.No consideration | U.No consideration |
| Non-participation. How many people refused to participate or dropped out? Reasons? | 7   | 1   | 1   |
| Score a point where the number and the reason or attempts to identify the reason are given (e.g., a point is score if they say participants would not give a reason for non-participation). Score zero where this information is absent and score U where this information is unclear. | 1. Clear numbers are identified with reasons. | 1 numbers refusing to participate are given. | 1. Clear numbers are identified with reasons |
| 1.Clear numbers are identified with reasons | 1 numbers refusing to participate are given | 1.Clear numbers are identified with reasons |
| **Data collection** |     |     |     |
| Interview guide. Were questions, prompts, guides provided by the authors? Was it pilot tested? | 8   | 0   | 0   |
| Score a point where testing of the interview script is identified either as a pilot or as a way to determine the content and accuracy of items used. Score a point where consideration to the derivation of questions have come from. | 0   | 0   | 0   |
| 0.No reference to development of the unstructured interviews was made. | U interviews were based on “topics with no specific sample questions” | U it was developed from field material. |
| Field notes—Were field notes or reflective diary made during and/or after the interview or focus group? | 9   | 0   | 0   |
| Score a point where field notes are identified. Score zero where field notes are not identified. Score U where this information is unclear. | 0   | 0   | 0   |
| 0.No mention of field notes. | U highlights importance of field notes but no details to a field diary or evidence in results of the use of one. | 1. Field notes included. |
| Data saturation. Was data saturation discussed? | 10  | 0   | 0   |
| Score a point where saturation of data is considered. Score a point where another form of sample size reference is made. Score U where this information is unclear. | 0   | 0   | 0   |
| 0.No mention of sample size | 0. No mention of sample size | 0 |
| **Total for Domain 2** |     |     |     |
| Domain 3: analysis and findings |     |     |     |
| Data analysis |     |     |     |
| Description of the coding tree. Did authors provide a description of the coding tree? | 11  | 0   | 0   |
| Score a point if an audit trail is given. Score a point if a coding tree is mentioned or score a point if another technique is mentioned that provides a way to structure the information gained. | 0 No detail given | 0 No detail given | 0 No detail given |
| Derivation of themes Were themes identified in advance or derived from the data? | 12  | 1   | 0   |
| Score a point if data driven or theory driven coding is identified or if it is clear how analysis was determined. | 1. Framework mentioned. | 0 No detail given | 1.Detail given |
| Reporting |     |     |     |
| Clarity of minor themes Is there a description of diverse cases or discussion of minor themes? | 13  | 1   | 0   |
| Score a point if there is sub-detail for each major theme. Score no points where this information is absent or U if this information is unclear. | 1. Subthemes given | U clear no real breakdown of categories | U. |
| **Total for domain 3** |     |     |     |
| 2/3 | 0/3 | 1/3 |
| **Grand total** |     |     |     |
| 3/13 | 2/13 | 5/13 |
Table S3. Identifying the quality of qualitative research.

| Area                        | Questions to answer                                                                 | Evans et al. 2008                                                                 | Høybye et al., 2005                                                                 | La Cour et al. (2016)                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Clarification               | What are the aims of the research?                                                  | Question is appropriate and links well to methods undertaken.                    | Question is appropriate and links well to data gained.                            | Question is appropriate and links well to data gained.                              |
|                             | Is the question appropriate and does it contain all elements you would expect?       | All elements of the question are given except outcome measure focus              | All elements provided.                                                            | All elements provided.                                                             |
| Justification               | Why is a qualitative approach the best option to answer this question?               | Justification based on the need to consider social relationships in action expressed through narrative. | Follow on from past ethnographic work                                             | Follow on from past ethnographic work                                             |
|                             | Why was the particular qualitative research design chosen?                           | Rationale for why qualitative and not quantitative research is setting.           | To be embedded in a setting.                                                      | To answer the selected question                                                    |
| Procedural rigour           | Have the techniques of data collection been clearly documented?                      | Access information could be clearer and development of rapport not given.         | Framework to avoid analysis provided.                                              | Framework to avoid analysis provided.                                              |
|                             | How was the data managed is an audit trail provided of the processes undertaken?    | No audit trail is given.                                                        | No audit trail is given.                                                          | No audit trail is given.                                                          |
| Representativeness          | Do they mention a type? Maximum variation—(all aspect of the topic under question?)| Not mentioned                                                                  | Not mentioned                                                                     | Not mentioned                                                                     |
|                             | Homogenous (selection fitting a particular criteria) snowball or convenience (perhaps weakest for generalisability) | Not mentioned likely convenience.                                            | Not mentioned likely convenience.                                               | Not mentioned likely convenience.                                                 |
Continued

Interpretation

Has a more conceptual discussion of the results and linkage to existing theory or new theory been developed to explain the relevance of findings to a targeted audience or discipline?

Consideration to those involved in the process (research triangulation)

Consideration to member checking been made?

Triangulation of data sources? OR methods OR theory?

Blind analysis was undertaken and agreement between two reviewers was assessed.

Lack of clarity around the analysis

Triangulation of methods was undertaken

Have any negative cases been included and discussed?

Not identified.

Not identified.

Not identified.

Has a clear statement of the effect on the data of the researcher’s views and the methods chosen been included?

No clear statement is made.

Yes consideration to this is made.

Yes consideration to this is made.

Has an explicit evaluation of the relationship between the researcher and those under research, addressing any ethical issues, been discussed?

Ethical approval been mentioned, steps taken to avoid adverse effects on individuals. Others consulted in the design of the research

Ethical approval not clearly identified.

Ethical considerations identified.

Ethical considerations identified.

Has ethics approval been obtained from an appropriate institution?

Ethical approval not clearly identified.

Ethical approval gained

Ethical approval gained

Has the relevance of these findings to current knowledge, policy, and practice or to current research been discussed?

Yes.

Yes.

Yes

Reflexivity and evaluative rigour

Transferability

Has a critical evaluation of the application of findings to other similar contexts been made?

What context and setting information is provided and how similar is that to other settings?

The setting Is a regional medical centre. No further details are given. The content of the intervention is clear and could be applied elsewhere.

The setting was an online setting.

The setting was in a residential rehabilitation location

Has the relevance of these findings to current knowledge, policy, and practice or to current research been discussed?

Yes.

Yes.

Yes

Table S4. The summary assessment of the overall risk of bias for quantitative studies.

| Trial | Components of risk of bias/key risk criteria | Summary within trial | Comments on high risk components—(explain briefly why) |
|-------|---------------------------------------------|----------------------|--------------------------------------------------------|
|       | 1 2 3 4 5 6 |                      |                                                        |
|       | H H H H L H | H = 5                | Selection bias: No identification of sequent generation or allocation concealment. |
|       |              | L = 1                | Detection/Performance bias: No blinding of assessors mentioned. |
|       |              | U = 0                | Other bias: No protocol. Choice of statistics questionable. |

Crogan et al. (2008)
A. Soundy, K. Reid

Continued

Garcia-Schinzari et al. (2014)  
H  H  H  H  L  H  
H = 5  
L = 1  
U = 0  
Selection bias: No identification of sequent generation or allocation concealment.  
Detection/Performance bias: No blinding of assessors mentioned.  
Other bias: No protocol. Choice of statistics questionable. Sample size not justified

Falzon et al. (2015)  
L  L  L  L  L  H  
H = 1  
L = 5  
Other bias: No protocol.

Heiney et al. (2012)  
H  H  L  L  L  H  
H = 3  
L = 3  
Selection bias: No identification of sequent generation or allocation concealment.  
Other bias: No protocol. Sample size not considered.

Heiney et al. (2013)  
H  H  L  L  L  H  
H = 3  
L = 3  
Selection bias: No identification of sequent generation or allocation concealment.  
Other bias: No protocol. Sample size not considered. Refers to Heiney et al. (2012) for procedures and methods.

Heiney et al. (2015)  
H  H  L  L  L  H  
H = 3  
L = 3  
Selection bias: No identification of sequent generation or allocation concealment.  
Other bias: No protocol. Sample size not considered. Refers to Heiney et al. (2012) for procedures and methods.

*Trial denoted by first author. Risk of bias criteria: 1, Selection bias = random sequence generation; 2, selection bias = allocation concealment; 3, Detection/Performance bias = blinding of personnel, assessors and participants; 4, Attrition bias = incomplete outcome data; 5, Reporting Bias = short-term selective outcome reporting; 6, Other bias = potential threats to validity e.g., consideration of a protocol. Levels of risk of bias: H, high risk of bias; U, unclear risk of bias; L, low risk of bias.

Table S5. Synthesis stage 1 showing an example of the qualitative tabulisation.

| Study       | Results                                                                                                                                                                                                                                                                                                                                 | Comments by AS                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Evans et al. (no 3) | The patterns were Finding a soft Place to Fall, in which the individual finds meaning in life while reawakening compassion and caring on the spiritual journey; understanding the cancer Experience, in which the individual understands and transforms suffering, deepening understanding and acceptance of the life cycle and death; and Figuring Out How (if) to get Through it: coping and not coping, in which the individual heals relationships with self and others (see Table 1). Although the storytelling group was comprised of only three participants who completed the 12-week session (compared to four participants in the control group), the storytelling group produced a wider variety of themes relating to Watson’s (2002) tasks under the Finding a soft Place to Fall and understanding the cancer Experience patterns. Figuring Out How (if) to get Through it was subdivided into coping and not coping themes. Although both groups could describe coping using internal mechanisms (i.e., coping strategies focused on intrapersonal resources) and external mechanisms (i.e., coping strategies focused on outside resources), not coping themes displayed some differences. For example, when asked to describe what not coping looks like, the storytelling group listed a wider variety of internal mechanisms that were characteristic of failure to cope than did the control group. The only external mechanism indicative of not coping was identified by the control group: “running to the doctor if you feel something different and you think it might be cancer again.” That finding may indicate increased insight in the storytelling group as to the differences between effective and ineffective coping (see Table 2). The storytelling group believed that they could share their feelings and feel accepted and secure, despite low energy levels. The group also articulated a broader range of themes, indicating understanding of the cancer experience, and described more fully what not coping looked like. That may indicate that Benefit: increased Knowledge/Understanding cancer experience Benefit: understanding or sharing coping related stories Control group: in contrast more uncertainty Impact and consideration to the social aspects |
they were better acquainted with, or had more insight into, not coping compared to the control group. The control group articulated the only feelings of uncertainty about expectations of the group experience; although they were glad to blend into the crowd, they felt they could be truthful and still be accepted and supported.

Finding a Soft Place to Fall

**Storytelling group:** The tool kit required self-disclosure by the nurse facilitator and sharing personal information with participants through stories as a means of role-modeling trust. In terms of Watson’s (2003) framework, the facilitator suspended her usual role as an authority figure to become vulnerable and acknowledge her own humanity. Such self-disclosure on the part of the nurse facilitator helped one participant feel less vulnerable and more understood, rather than analyzed. “It was like my own personal therapy session, only better because you shared your experience, too.” Another was thankful that she had found a place to openly discuss her fears about her cancer diagnosis; she was not allowed to do so at home because her husband strictly believed in positive thinking.

The facilitator was instructed to allow stories to come forth as group members chose to tell them, instead of pursuing the stories she wanted them to tell. She was cautioned that revisiting past experiences could evoke pain and that making private memories public may not be easy. Based on the interviews and questionnaires, the nurse facilitator was able to let participants “choose what they wished to remember and tell … and participate in negotiating the context of remembering” (Errante, 2000, p. 19). She also was instructed to avoid gatekeeping that could shut off stories as they began to surface. She countered this by allowing members to each “have their night” if they were severely stressed, emphasizing that the same courtesy would be extended to others as needed.

Those strategies were reflected in two outliers defined by Miles and Huberman (1994) as exceptions to the rest of the qualitative data. Such exceptions alert the researcher to guard against bias and help to refine a construct or test generalities that seem to emerge from the data. Although others felt safe in the group, one participant shared some private information despite considering herself “not the type of person to share personal feelings.” She reported that this information was later revisited in a joking manner within the group. “I didn’t feel I had the freedom to say that I didn’t appreciate that … but it showed me that you have to be very careful.” The participant also expressed conflicting thoughts about the way the storytelling group was run.

Where one person monopolizes the group … whether that person should have been controlled or whether it was good because the person knew they’d be helped. I still haven’t quite figured that out because I saw the person change considerably from when they first started the group.

The evidence underscores the importance of creating a soft Place to Fall and possible need for additional facilitator training and participant teaching. The participants’ conflicting thoughts, however, acknowledged the deliberate lack of gatekeeping and questioned whether it was helpful to other group members. The statements of exception were useful during analysis because they provided evidence that the nurse facilitator had avoided gatekeeping as instructed, as well as evidence of a possible therapeutic outcome for the participant undergoing change. Also indicated was a beginning acceptance by the woman who provided the outlier statements that, when the “monopolizer” worked to heal herself in the context of the group, she “contributed to the healing of the whole” (Watson, 2003, p. 201).

Silences in the group were documented as natural and comfortable. Group members appeared to reflect on or contemplate stories just disclosed. This is typical of transpersonal caring activities (Watson, 2003).

**Control group:** Self-disclosure by the leader is somewhat unusual in traditional group process when the leader usually is focused on keeping the facilitator of social interaction: HCP sharing personal information—suspended normal role.

Facilitator of social interaction: HCP sharing personal information—suspended normal role.

Benefit of open sharing of difficult topics—like fears

Activity is self-directed, content self-selected making for a powerful participant led session

Intervention allowed a voice to different types of suffering, provided a platform for those who were distressed to talk plainly

Danger of storytelling and sharing: Potential negative outcome the way or freedom or uncontrolled nature of others reactions or use of personal and private information

Group creates a space of vulnerability—not everyone wants to share but may feel safe, then regret it

Danger of the group—monopoly by one person—could silence other

Benefit—the ability to freely express was observed to be healing

Training requirement for such a group

Social comparison as a direct benefit: The person working through challenges, overcoming obstacles or being able to mentally, emotionally or behaviourally change during the group could be inspiring and allow others to do the same.

Possible area for influencing results – technique of facilitator same as story group.

Key differences printed information

Mechanisms at work:

1) acceptance of stories as whole and true, lack of judging or analysing or extracting—more sharing
group on track with the agenda, gatekeeping to prevent monopolizing of the session by one person, or analyzing and probing coping strategies. The social worker facilitator, however, unexpectedly used self-disclosure to encourage group members to reveal personal information, paralleling the storytelling group facilitator’s technique. Control group activities emphasized education with a guest speaker and distribution of printed materials. Debriefing questionnaires showed that participants continued to look strongly to the facilitator for guidance, despite her efforts to shift the leadership to group members. Silences occurred on several occasions and were described as peaceful but uncomfortable. However, participants expressed their appreciation for the caring they found in the group and consistently treated one of the quieter women with affection, reflecting that they experienced her quietness as “patience and strength.”

Understanding the Cancer Experience

**Storytelling group:** The nurse facilitator was able to avoid judging, analyzing, and extracting data from the stories and seemed to accept them as whole and true to the teller, as instructed (Watson, 2003). She avoided probing discussions on coping strategies but worked to get in touch with participants through an interpersonal bridge created, in part, by her own self-disclosure (Errante, 2000; Watson, 2003). Those strategies were aimed at producing “virtually shared experiences” (Errante, p. 24) that allowed group members to vicariously enter the storytellers’ realities and work toward shared meaning (Watson, 2003).

To suspend role and status (Watson, 2003), the nurse facilitator initially informed the group that she considered them to be the experts on the cancer journey. Subsequently, she was treated more like a group member than as a leader, with participants telling and retelling their stories to one another as they worked to make meaning from the cancer experience. Frequent retelling may have occurred because stories allow people to forget and reinvent certain aspects of their pasts, making them more acceptable in current circumstances (Errante, 2000). The stories often need to be reexplored for meaning in light of what participants now know. Revised versions then are used to validate identities and suffering, for both the participant and the group. Such validation was appreciated by one woman who said, “The group helped me see that the things that were happening weren’t because of a failure on my part or something I had done wrong, or not done.”

Other evidence of implementation of the storytelling tool kit was noted in participants’ visible and frequent use of storytelling as they sought to discover meaning (Leight, 2002). Their stories acknowledged that the cancer diagnosis requires the creation of a new map for their lives; that relationships with others are irrevocably altered; that bearing witness to the cancer story, despite its telling and retelling, is a healing gift (Watson, 2003); and that the medical narrative, chosen initially by both groups in this project as a way for members to tell their stories in an often-rehearsed, socially sanctioned format, Hope born out of shared suffering or unity cannot fully express the illness experience. The medical narrative, the short-hand technical language universally used by healthcare providers, furnishes an efficient way for patients to communicate to others about cancer. Unfortunately, this narrative may fail to consider how cancer is experienced or to honor the differences in healing journeys (Watson, 2003). The nurse facilitator was cautioned about reliance on such narratives and was able to guide participants in telling their own personal stories of illnesses. Attention to individual patient suffering was provided by exploration of the stories and not the clinical stories of the disease process (Emblen & Pesut, 2001). As the group worked together to understand their suffering, one woman was “faced with the fact that I might live, then what?” despite many family members dying of the disease. That realization changed her suffering and she “started dancing again. I gave it up for three years!” Another woman referred to an essay by Kingsley (2001) and likened her cancer diagnosis to a trip to Italy (her metaphor for health and wellness). She talked about her

2) Avoidance of probing
3) Importance of entering and hearing another’s world and developing shared meaning
4) Distance created of being an expert—told participants they are the experts
5) Allowance for retelling of stories—or re-explored for meaning and meaning making
6) Validation of suffering
7) Consideration of social identity and impact of cancer on that identity

**Benefit—** not being too hard on themselves—group help individual see that they personally hadn’t done anything wrong in situations—they hadn’t failed

**Outcome:**

1) Consider. How does the idea of a “shared meaning” differ from the concept of a “medical narrative”? How might these concepts influence how patients perceive their illness experience?

2) Reflect on the role of storytelling in your own life. Can you identify specific experiences where storytelling played a significant role in personal growth or understanding?

3) How might different cultural backgrounds influence the storytelling process and the narratives that are shared in a group setting?

4) Consider the impact of self-disclosure on the facilitator’s effectiveness. How might transparency and vulnerability enhance the therapeutic process for group participants?

5) Discuss the significance of “virtually shared experiences” in creating a sense of community and support among group members.

6) Analyze the importance of gatekeeping in the facilitator’s role and its potential effects on group dynamics.

7) How might the facilitator’s self-disclosure serve as a model for group members and contribute to the development of shared meaning?
excited anticipation and preparations for the trip; but when the plane landed, she was in Holland. She suffered: she was lost, cold, and unable to communicate with others but she did the best she could on the unanticipated journey. Others entered into her metaphor for suffering, saying, “It’s Holland, and I don’t like tulips!” “I’m stuck and I can’t read the map,” and “I’d rather be sharing that in Italy with my friends!” They told stories about the loss of familiar, beloved things; shared their sense of vulnerability; and expressed resentment at lost companionship. But then one said, “Well, I’m going to Italy as well,” which led to stories about self-pity and how counterproductive it was to the daily business of living.

Control group: The aim of the control group was to foster participants’ coping abilities and to provide social support and information on cancer treatment. Participants occasionally told stories in response to questions about their health (Sandelowski, 1994), but they usually used the medical narrative. Unlike the nurse facilitator in the storytelling group, who avoided breaking stories apart to analyze them, the social worker facilitator used traditional group process techniques such as extracting and analyzing aspects from each participant’s contribution for discussion. However, participants expressed relief at finding others who understood the fears and pain of cancer diagnosis and treatment (perhaps a precursor to recognizing the importance of bearing witness to others’ suffering, if guidance had been available), as well as an opportunity to gain information about the disease. Patients sometimes mentioned their own personal experiences with cancer, although a difference between their stories and the medical narrative was not recognized. One such occurrence focused on hope, and the participants offered their own symbols for hope, expressed hope for effective treatment, and asked that a candle be lit “to give us spirit.”

Figuring Out How (If) to Get Through It: Coping and Not Coping

Storytelling group: Group members discussed bearing witness to each other’s stories with the guidance of the nurse facilitator, recognizing that it was not about fixing the issue or even having something to say, but just being with people (Quinn, Smith, Ritenbaugh, Swanson, & Watson, 2003), acknowledging who they were, and reminding them that their disease did not define or tarnish them. They talked about life, hope, and fear in the context of their personal narratives of the cancer experience: “Custody of my grandchild who needed the normal, healthy parent in me,” “Watching a plant grow under my nurturing care,” “Living what is today,” “Fear of suffering, not of dying,” and “Someone bearing witness to your life.” Two women, however, had difficulty determining how to proceed; one felt stuck in a victim role and could not see past that (although she held out hope for the future), and another reported that her skin burned from radiation and that she had feelings of depression.

Control group: Group members tearfully discussed getting through the cancer journey with strengths they had not known they possessed prior to their diagnoses and were pleased with their ability to contribute to the project, although one woman found it difficult to live with uncertainty. They offered support to other group members undergoing crises such as divorce and scans to stage their cancer, occasionally sharing a group hug at the end of a session. One interesting dichotomy that surfaced was how they pointed out the need for understanding of each person’s unique story. One participant chose to worry only if the cancer actually recurred, whereas another chose to worry about the possibility of it recurring.

Experiences of Oncology Nurses Associated With the Project

Oncology nurses from a regional medical center were recruited to participate in this project. Despite their workloads and family responsibilities, facilitators and research assistants were willing to participate. The nurses expressed interest in any technique that would ease the suffering of patients with cancer, particularly inexpensive strategies with little risk to patients. Some nurses asked to attend the sessions even though they could not be part of the project.
because they wanted to learn skills they could use in their own practices. The medical center provided support so that nurses could receive training, during and after the project. The nurses involved went on to incorporate storytelling techniques into their daily practices, even if only for a moment during a hectic day, and expressed appreciation for their increased abilities to ease suffering. The nurse who took primary responsibility for facilitating the storytelling group reported a profound change in her nursing care and expressed hope that more nurses be given the opportunity to learn the techniques.

Limitations

The study included a small number of participants. A larger study would provide a greater understanding of the efficacy of storytelling groups. Also, the results of this study do not indicate whether the tool kit alone would be sufficient instruction. Perhaps the eight hours of training are vital, but a programmed instruction format could be used to present the principles and protocol in successive units followed by self-testing. Such instruction could include a videotape or slide presentation of a teacher discussing the materials or be presented in an interactive online format. Future studies could incorporate such training for facilitators and test for achievement of educational outcomes.

Table S6. Synthesis stage 2 an example of the descriptive analysis undertaken.

| Study | Results | Comments by AS |
|-------|---------|----------------|
| Garzia et al. (2014) | 3. Results 3.1. Description of children’s and adolescent’s behavior during practice According to the analysis of children’s and adolescents’ behavior records, four categories of analysis and eight subcategories (in parentheses) were identified: interaction with people (interaction with pairs of Occupational Therapy graduates and interaction with their peers); interaction with materials (manipulation of the objects of the box and participation in the accomplishment of the proposed activity); cognitive abilities (attention in history and imagination); and motivation (animation and curiosity awakened by history). As for interaction with people, it was verified when the children/adolescents questioned and answered the questions of the graduates and family members, interacted with other children/adolescents, showed the activities performed for team members or other people and talked about their daily lives. Interaction with the couple of undergraduates occurred for 90% of the children/adolescents and the interaction with other children/adolescents, for only 30% of the participants. The interaction with materials was observed when the children/adolescents used the objects of the box to show to other people, to retell the story with their words or to invent another story, besides helping the couple of undergraduates at the end of the intervention, and 80% of the children/teenagers manipulated the objects in the box (right after the storytelling by the pair of graduates). It was observed that 90% of the children/adolescents were involved in the play activity proposed after the exploration of the materials of the box, performing activities such as painting, confection of objects and collage. As for cognitive abilities, 100% of the children/adolescents maintained their attention in history, a fact observed through the attentive gaze in the staging and through the changes in the facial expression, coherent with the unfolding of the story, besides, it was noticed that they managed, later, recount the story properly. In relation to the imagination, it was observed in 30% of the children during the exploration of the materials and storytelling, through the use of the account during the representation of scenes and manipulation of the elements of the box (extrapolating the story to daily activities such as bathing, brushing teeth, eating) and/or adding new characters and scenarios. As to motivation, 80% of the children/adolescents were animated and 60% showed curiosity. The animation was evidenced through smiles and excitement when retelling the story, in the manipulation of the materials and the interaction with the people present. The curiosity occurred through questions of the participants regarding the way of making... | Interaction with people as an important outcome to compare across groups Engagement in sharing as an activity as a possible point of comparison Engagement in sharing Mechanism: Emotions could be one way stories impact people and create change in behaviour |
the box and the characters, ways to carry out the proposed activities, including other
3.2. Feelings before and after storytelling
As for the feelings of children and adolescents before and after the story was told, scores
were assigned to the feelings expressed by them, the
which varied between 1 (Very sad), 2 (Sad), 3 (happy) and 4 (Very happy).
Of the 20 children/adolescents participating in the study, nine (45%) changed to a
happier emotion, 10 (50%) participants remained in the same category of emotion, all of
whom were already in a positive emotional state or very cheerful) and only one changed
to a sadder emotion (5%) after the Story Box. The participant who remained in a sad
emotional state did not interact with other people and was not motivated during the
practice. However, the participant who decreased his score, despite interacting with other
people and being motivated, changed his emotional state from very cheerful to cheerful
(from 4 to 3). Among the participants who improved their scores, 55% interacted with
the couple of undergraduates and/or with other children and adolescents and were
motivated (showing excitement and curiosity).
Analyzing the results before and after storytelling, it was possible to see that children and
adolescents significantly modified their emotional state, with p value equal to 0.0111,
as can be seen in Table 1:
The results show that the scores are higher after the intervention with the Story Box. The
exact test performed by the binomial distribution indicates a p value of 0.0107, that is, the
median pre-intervention scores are significantly lower than the post-intervention scores.
Table 1

| Feeling    | Before | After |
|------------|--------|-------|
| Very happy | 8      | 13    |
| Happy      | 7      | 4     |
| Sad        | 3      | 3     |
| Very Sad   | 2      | 0     |

Bonding during play is important for the recovery of the child (MELO, 2003). During the
development of this study, it was verified that the Box of Stories intervention allowed for
a positive interaction between the graduates and the children and adolescents through
dialogue about the stories told and about the making of the box during the exploration of
materials and execution of activities, thus favoring socialization.

Table S7. Mind mapping.

| Content of interaction | Outcomes from groups | Mechanisms which explain benefit | Factor which influences benefit |
|------------------------|----------------------|---------------------------------|--------------------------------|
| Openness of sharing personal lived experience | Increased knowledge or understanding of cancer | Use of metaphor helped reframe suffering—enabled learning - | Space where openness is possible—prevented in other interactions |
| Use of humour | Shared understanding of coping—shared strategies | Group can allow self-directed content | Domination of one member of the group |
| Real or lived interaction | Allows a space for emotions to be expressed | Being able to express suffering | |
| Sharing loss | Negative experience having shared information used inappropriate | Understanding of coping behaviours increases | Other stakeholders /Facilitator sharing personal information—allowed or gave permission to open up |
| Personal difficulties revealed | Increase in valuable /trusted relationships | Lack of judgement given on any sharing | Negative experience—not wanting to share opening |
### Table S8. Synthesis stage 3 the mind map.

| Content of interaction                                           | Outcomes from groups                                                                 | Mechanisms which explain benefit Factor which influences benefit                                                                 |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Openness of sharing personal lived experience                    | Increased knowledge or understanding of cancer                                        | Use of metaphor helped reframe suffering—enabled learning—Group can allow self-directed content                                      |
| Use of humour                                                    | Shared understanding of coping—shared strategies                                      | Allows a space for emotions to be expressed                                                                                           |
| Real or lived interaction                                        | Negative experience having shared information used inappropriately                    | Being able to express suffering                                                                                                      |
| Sharing loss                                                     | Increase in valuable/trusted relationships                                           | Other stakeholders /Facilitator                                                                                                        |
| Personal difficulties revealed                                  | Introduction of hope                                                                 | Lack of judgement given on any sharing                                                                                                                                                           |
| Hopes, fears, losses                                             |                                                                                      | Negative experience—not wanting to share opening                                                                                         |
| How challenges are overcome                                     | Increase in activities                                                               |                                                                                                                                           |
|                                                                  | Reaffirming a sense of self and self identity Decrease blame on themselves             |                                                                                                                                           |
|                                                                  | Sense of control                                                                     | No perceived need to fix problems                                                                                                      |
|                                                                  | Impact on emotional well being                                                       | Reaffirming a sense of self and self identity                                                                                           |
|                                                                  | Social well being                                                                    | Use of humour                                                                                                                             |
|                                                                  | Legitimise experiences                                                               | Unity in sharing                                                                                                                         |
|                                                                  | Enhanced interactions, activities or accomplishments                                  | Getting past stereotypes of others—towards what their lives are like Silence facilitated interaction, enabled sharing, some were unhappy with the silence |
|                                                                  | Others feel really heard                                                              |                                                                                                                                           |
|                                                                  | Knowing someone else is experience what they are going through—validation of suffering |                                                                                                                                           |
|                                                                  | Others feel really heard                                                              |                                                                                                                                           |
|                                                                  | Knowing someone else is experience what they are going through—validation of suffering |                                                                                                                                           |

**Continued**

| Hopes, fears, losses | Introduction of hope | Others feel really heard | Knowing someone else is experience what they are going through—validation of suffering |
|----------------------|----------------------|--------------------------|----------------------------------------------------------------------------------------|
| How challenges are overcome | Increase in activities | Decrease blame on themselves | No perceived need to fix problems                                                                 |
| Reaffirming a sense of self and self identity | Sense of control | Impact on emotional well being | Reaffirming a sense of self and self identity                                                                 |
| Social well being | Legitimise experiences | Use of humour | Unity in sharing                                                                                           |
| Enhanced interactions, activities or accomplishments | Getting past stereotypes of others—towards what their lives are like | Silence facilitated interaction, enabled sharing, some were unhappy with the silence |
Table S9. Synthesis stage 4 the thematic development.

| Theme                        | Subtheme                        | Code | Unit |
|------------------------------|---------------------------------|------|------|
| Content of interaction       | Openness of sharing personal lived experience |      |      |
|                              | Definition: discussion around the cancer experience |      |      |
|                              | The group also articulated a broader range of themes, indicating understanding of the cancer experience (3) |      |      |
|                              | Personal stories were salient in as many as 83.6% of stories (n = 51). Participants often talked about their personal hobbies and interests (57.4%, n = 35) and their unique attributes (47.5%, n = 29). (4) |      |      |
|                              | Definition: Humour |      |      |
|                              | The stories were not, however, always serious: humour and jokes played a large part in the stories on the list, and were often stressed by the women as being important aspects of survival. (2) |      |      |
|                              | Definition: isolation |      |      |
|                              | Definition of subtheme: Discussion often focused on participants own fears about living with cancer. Fear for self vs fear for family. Fears about immediate family, fear of cancer coming back. Honesty of exchange. Uncertainty around if the cancer is still their or present. |      |      |
|                              | while all of them expressed emotional concerns related to their cancer disease. (1) |      |      |
|                              | They talked about life, hope, and fear in the context of their personal narratives of the cancer experience: “custody of my grandchild who needed the normal, healthy parent in me,” “watching a plant grow under my nurturing care,” “living what is today,” “fear of suffering, not of dying,” and “someone bearing witness to your life.” (3) |      |      |
|                              | The personal stories told on the internet had several central and recurrent themes, including breast surgery, sexuality, physical and mental exhaustion, loneliness and fear. (2) |      |      |
|                              | One female participant treated for gynecological cancer said: One year ago they found cancer in my uterus. It only takes a slight amount of pain some—where before I think "oh no" and begin to worry that I might still have cancer. I hope to take something away with me [from the course] to tackle this. It has been a hard journey and it [the cancer] is always in the back of my mind. (1) |      |      |
|                              | Other participants confirmed that with any kind of pain or unfamiliar symptom, uncertainty, and concern followed—the fear that the cancer disease will return. Already during the introduction, it was clear that issues of fear and concern were mentioned as pertinent topics for the participants. (1) |      |      |
|                              | This opening dialogue became the starting point for discussing emotional concerns and worries, being considerate of others and the importance of exploring and clarifying expectations between people who care about one another. (1) |      |      |
|                              | The course can be seen as a storied sequence participants contributed thoughts about how they felt alone with their concerns and fears. One of these fears and concerns being the thought of losing their significant other. One female participant said: I worry, because, how will he manage when I am not there. I think if I die, he will die too. (1) |      |      |
|                              | In different ways, they spoke about the fear that cancer provokes and the concerns that they have for each other and their children. In particular, they talked about the fear of the cancer returning or the fear that the cancer had not been fully removed. Several of them commented that: “We were never informed if it [the cancer] can return, nor about the late-effects.” (1) |      |      |
|                              | . Only 36.1% (n = 22) of the stories related to cancer or cancer survivors with topics such as treatment (surgery, chemotherapy, radiation or other issues, such as nutrition, exercise, alternative medicine [40.9%, n = 9]), their diagnosis (18.2%, n = 4), their doctors (22.7%, n = 5), pain/suffering (22.7%, n = 5), and their lingering fears and concerns (18.2%, n = 4). Although there were not many cancer-related stories, there were a number of health-related topics, such as narratives on health management practices (29.5%, n = 18) |      |      |
or their benefits (14.8%, n = 9). Video sharing via internet (4)
Among the video stories posted on the site, positive stereotypes included mentally strong (8.25%, n = 5), brave (3.3%, n = 2), able to cope (6.6%, n = 4), new insights (8.2%, n = 5), and new appreciation for life, friends, and family (8.2%, n = 5). – contrast to weakness a reliance on character(4)

**Outcomes from groups**

**Increased quality of life**

Definition: Quality of life improves.
The women stated in interviews and in their postings to each other that participation on the mailing list had greatly improved the quality of their life with breast cancer. (2)

**Increased knowledge**

Definition: increased knowledge
Interviews with participants and observation of the daily storytelling indicated that participation promoted strong awareness of breast cancer and its implications. (2)

**Psychologically healing and needed shared experience**

Definition: Loneliness is a central consideration coming into the intervention. Need for real exchanges with someone else. How is the isolation created, how is this different from loneliness? – the interactions that follow a cancer diagnosis may influence

Their stories acknowledged that the cancer diagnosis requires the creation of a new map for their lives; that relationships with others are irretrievably altered; that bearing witness to the cancer story, despite its telling and retelling, is a healing gift (3)

After her first visit to the chat room, one woman wrote: “Time passed so quickly last night and I was on-line 1 hour and 10 minutes. […] If a laugh is good medicine then the chat was something that can heal, maybe not our breast cancer but our souls.” (2)

It is the loneliness I find worst, and that is why it is good the list has started, so we have somebody to share it all with when we need it.” (2)

In response, another woman wrote: “I see that xx writes about loneliness. I recognize my own situation very well in that, and I feel it even more strongly this time [the absence of people, I miss some of those who would normally get in touch with me. It hurts so badly. Even close friends have disappointed me, they stay away to some extent and I do not know how to tackle this”. We found that the community of the mailing list counteracted the experience of social isolation and incorporated the women into a new social world. (2)

While another female participant said: My husband is very considerate and tries protecting me, which is a great help. I think he has some gloomy thoughts about my condition, but he doesn’t share them with me, and I don’t ask. (1)

Social connection and as a well reported item (10)

A subject brought up persistently in postings on the mailing list and in our interviews with the women was the inescapable experience of isolation (2)

Some women described a diagnosis of breast cancer as “being moved to” or “entering” another side of life. They became isolated from their loved ones and from the social world they used to be a part of. The isolation experienced by these women was complex, at times being experienced as overwhelming. It appeared to be persistent and was a keynote to the stories. “Nobody calls, nobody writes, do they think this is contagious? I am very disappointed should I call? I can hardly be bothered now”, one woman reported resignedly. Another woman wrote: “[…] (2)

**Shared understanding of coping—shared strategies**

Definition: One outcome for the storytelling is the provision of a shared understanding of illness. The groups provide a natural fit to the need for human interaction. Responses referring to being heard, understanding how to live with the illness. Groups provide a base for knowledge exchange and coping strategies. This knowledge exchange may be unique to the group and may not exist from other sources. — non judgement

Negative case: Benefit of group may depend on the relative condition of the individual

They (storytelling group) were better acquainted with, or had more insight into, not coping compared to the control group (3)

Another motive for turning to the mailing list was to find survivor stories and women to share the experience of breast cancer. Finding personal stories from women who had survived and found ways to live with breast cancer was described as a strong
The mailing list provided a space in which experiences could be voiced and shared through storytelling. (2)

The women used each other’s experiences to learn how to live with illness. One example was the difficult subject of sexuality after breast cancer. In response to a posting on the subject, one woman wrote: “It is good that you write about this. So far I thought that I was the only one on the list that encountered problems of that kind.” (2)

I could write tons of mails on that subject. I love my husband, but I happened to suggest that we got a divorce; that seemed easier than getting our sex life to work again […]”.

Several women encountered both physical and mental difficulties in engaging in the sexual act, and they learned from each other how to confront such problems. Recognition that sex was not what it used to be was central, but they also gave each other practical advice on how to deal with physical discomfort through exercise, various aids and pharmaceutical products. (2)

assistance with a perception of coping and findings other ways to cope (10)

Sixty-seven percent of the respondents (26/39) noticed that they were better able to reach out to others for help and support (10)

The group…described more fully what not coping looked like. (3)

Two women, however, had difficulty determining how to proceed; one felt stuck in a victim role and could not see past that (although she held out hope for the future), and another reported that her skin burned from radiation and that she had feelings of depression. (3)

Although others felt safe in the group, one participant shared some private information despite considering herself “not the type of person to share personal feelings.” She reported that this information was later revisited in a joking manner within the group, “I didn’t feel i had the freedom to say that I didn’t appreciate that … but it showed me that you have to still be very careful.” The participant also expressed conflicting thoughts about the way the storytelling group was run. (3)

Most of the participants said that they initially found it difficult and intimidating to talk about their illness experiences in front of others (1)

Definition: benefit of hope

Using the internet to find information or support gives women the possibility to act when they had thought that impossible. (2)

introduction of hope from hearing from others, (10)

Definition: relatedness and emotional wellbeing.

You turn to the net to find women who have the same age, diagnosis and treatment as yourself if they are alive it is good and gives encouragement] if they are dead you get sad’, one woman explained. (2)

Postings on the list sometimes contained remarks that would elicit laughter, bringing relief to both the writer and the reader (2)

Among other things, they emphasized that what they learned from the “All these
considerations” workshop was an especially good way for them to address and alleviate some of the fear and concerns, which were troubling them. As one female patient expressed it: ‘There I was with “The Lump” inside me and then I got rid of it. Her husband added: I really got something out of the rehab-course, because all the nervousness I have had, has been such a burden and it now is much less. (1)

Outcome learning about others feelings and experience was positive, feeling supported by the group and better about oneself, being able to share feelings and concerns. (10)

Attention to individual patient suffering was provided by exploration of the stories and not the clinical stories of the disease process (Emblen & Pesut, 2001). As the group worked together to understand their suffering, one woman was “faced with the fact that i might live, then what?” despite many family members dying of the disease. (3)

**Definition: benefit on social well-being**

Turning to the internet broke down the social isolation created by the experience of breast cancer. (2)

Receiving benefit from sharing with others who have cancer (10)

Forty-six percent (18/39) reported improved family relationships and 44% (17/39) noted better work relationships. Thirty-three percent (13/39) reported better communication with a spouse/partner. (10)

**Definition: engagement of participants with others in the group**

The storytelling group believed that they could share their feelings and feel accepted and secure, despite low energy levels. (3)

The medical narrative, chosen initially by both groups in this project as a way for members to tell their stories in an often-rehearsed, socially sanctioned format, cannot fully express the illness experience. The medical narrative, the short-hand technical language universally used by healthcare providers, furnishes an efficient way for patients to communicate to others about cancer. (3)

She talked about her excited anticipation and preparations for the trip; but when the plane landed, she was in Holland. She suffered: she was lost, cold, and unable to communicate with others but she did the best she could on the unanticipated journey. Others entered into her metaphor for suffering, saying, “it’s Holland, and I don’t like tulips!” “I’m stuck and I can’t read the map,” and “I’d rather be in Italy with my friends!” They told stories about the loss of familiar, beloved things; shared their sense of vulnerability; and expressed resentment at lost companionship. (3)

Shared laughter also establishes a shared social world (2)

Strong bonds formed between the women who shared stories, surfacing through humour and powerful metaphors of kinship and through expressions of recognition and intimacy. (2)

Passing on stories about support and care was seen not only as reaching out to others but also as a way of dealing with one’s own experience and making it meaningful, leading to maintenance of self-esteem. (2)

The participants listened attentively, several nodded in response to the idea that fear could be seen as a little “Shadow-man,” as something they understood and made sense to them. One participant said: “Yes, but the fear is there,” and another participant added: “Yes, he comes out [the fear] especially before check-up visits [at the hospital].” Earl then suggested that they could try to take control of their fear; for instance, they could decide to talk to their “Shadow-man” 2 days before check-up visit to get him out from behind the door and into the open…. In the above example, a “Shadow-man” can be seen as a metaphor that provides the participants with an alternative tool to openly express and talk about the emotional burdens they experience. (1)

The Lump” is a short story about a boy named Johnny, who lives alone with his father. One day Johnny’s best friend Jack calls him a “stupid pig!” Johnny does not know how to react; his feelings are hurt, he is very unhappy and his pain feels like a hard—round—heavy—Lump. Johnny cannot get rid of the Lump; he brings it home and goes to his room. From then on, whenever Johnny is unhappy or hurt, he feels “the Lump”
growing bigger…Afterward one participant said: “Wow, this gives me goose bumps, it relates so much to me.” Another said: “Yes, it was really good” and others joined in, saying: “this was very thought-provoking.” (1)

Enhanced interactions, activities or accomplishments -

Definition:
That realization changed her suffering and she “started dancing again. i gave it up for three years!” (3)

She was thankful that she had found a place to openly discuss her fears about her cancer diagnosis; she was not allowed to do so at home because her husband strictly believed in positive thinking (3)

She also was instructed to avoid gatekeeping that could shut off stories as they began to surface. she countered this by allowing members to each “have their night” if they were severely stressed, emphasizing that the same courtesy would be extended to others as needed (3)

One person monopolizes the group … whether that person should have been controlled or whether it was good because the person knew they’d be helped. I still haven’t quite figured that out because I saw the person change considerably from when they first started the group (3)

Also indicated was a beginning acceptance by the woman who provided the outlier statements that, when the “monopolizer” worked to heal herself in the context of the group, she “contributed to the healing of the whole” (3)

We often found that humour was used in mailing list conversations to create distance from an event or situation. Seeking advice on “Shampoo for bald-headed people” or joking about the forgetfulness of “chemo brains” and about ill-fitting breast prostheses are examples of jokes shared on the mailing list with sympathetic understanding (2)

“What you experience on the list is the opportunity to give, to give love to each other”, one woman explained in an interview. The social nature of the breast cancer mailing list was expressed as genuine concern for others. (2)

As to motivation, 80% of the children/adolescents were animated and 60% showed curiosity. The animation was evidenced through smiles and excitement when retelling the story, in the manipulation of the materials and the interaction with the people present. (5)

Of the 20 children/adolescents participating in the study, nine (45%) changed to a happier emotion, 10 (50%) participants remained in the same category of emotion, all of whom were already in a positive emotional state or very cheerful) and only one changed to a sadder emotion (5%) after the Story Box. The participant who remained in a sad emotional state did not interact with other people and was not motivated during the practice. However, the participant who decreased his score, despite interacting with other people and being motivated, changed his emotional state from very cheerful to cheerful (from 4 to 3). (5)

Analyzing the results before and after storytelling, it was possible to see that children and adolescents significantly modified their emotional state, with p value equal to 0.0111, as can be seen in Table 1 (5)

that the use of art as a therapeutic resource assists in the development of free expression and enables the understanding and interpretation of children’s experiences and adolescents with cancer, improving their quality of life. (5)

Attention to individual patient suffering was provided by exploration of the stories and not the clinical stories of the disease process (Emblen & Pesut, 2001). As the group worked together to understand their suffering, one woman was “faced with the fact that i might live, then what?” despite many family members dying of the disease. That realization changed her suffering and she “started dancing again. i gave it up for three years!” (3)

She avoided probing discussions on coping strategies but worked to get in touch with participants through an interpersonal bridge created, in part, by her own self-disclosure (3)

Others feel really heard
Knowing someone else is experience what they are going through—validation of suffering

Participants telling and retelling their stories to one another as they worked to make meaning from the cancer experience (3)

The medical narrative, chosen initially by both groups in this project as a way for members to tell their stories in an often-rehearsed, socially sanctioned format, cannot fully express
the illness experience. The medical narrative, the short-hand technical language universally used by healthcare providers, furnishes an efficient way for patients to communicate to others about cancer. (3)

Some expected that it was going to be like “going to camp” and looked forward to meeting others that were in a similar situation with similar circumstances (1).

Overwhelmingly, the most favorable aspect of the group was the sharing and the stories as noted by over half the participants (25 of 39). A sample quote was “Each group member listen (ed) to me and the one thing I truly needed was to be able to talk & know someone cared. (10)

Frequent retelling may have occurred because stories allow people to forget and reinvent certain aspects of their pasts, making them more acceptable in current circumstances (3)

The stories often need to be re-explored for meaning in light of what participants now know. Revised versions then are used to validate identities and suffering, for both the participant and the group. Such validation was appreciated by one woman who said, “The group helped me see that the things that were happening weren’t because of a failure on my part or something I had done wrong, or not done.” (3)

Shared laughter also establishes a shared social world, and on several occasions women on the mailing list said that they enjoyed talking to each other “[...] because we can laugh at the same things”. (2)

The nurse facilitator was able to avoid judging, analyzing, and extracting data from the problems (similar to lack of judgement?)

No perceived need to fix stories and seemed to accept them as whole and true to the teller (3)

Those strategies were aimed at producing “virtually shared experiences” (Errante, p. 24) that allowed group members to vicariously enter the storytellers’ realities and work toward shared meaning (Watson, 2003). (3)

group members discussed bearing witness to each other’s stories with the guidance of the nurse facilitator, recognizing that it was not about fixing the issue or even having something to say, but just being with people (3)

Trust and Unity in sharing and being with people

Many stressed that the absence of physical contact on the internet made it easier to start discussions on difficult and painful subjects, whereas the intimacy and trust formed on-line created the basis for discussions when the women met face-to-face. It was not the anonymity of the internet but rather the lack of physical contact at the time of writing that proved helpful to the women. (2)

One male participant said: There is a difference between how we think others are doing and how they are actually doing. Earl responded: Yes, sometimes we think we know how others are doing, and then we can get surprised. It can be really difficult to know, if we don’t talk about it. (1)

On the other hand, there were some health-related words, such as “healthy,” “tired,” or “sporty.” About half of the participants listed health-related words in their description of themselves; 30.8% (n = 4) listed one word and 15.4% (n = 2) listed two.(4)

Getting past stereotypes of others – towards what their lives are like (content of interaction)

Silences in the group were documented as natural and comfortable. group members appeared to reflect on or con template stories just disclosed. (3)

Factors which influence benefit

The facilitator suspended her usual role as an authority figure to become vulnerable and acknowledge her own humanity…“it was like my own personal therapy session, only better because you shared your experience, too.” (3)

. First of all, we found that participants avoided cancer-related topics in general. Only 19.7% of video postings (n = 12) had a direct reference to cancer. Type of communication – video posting prevented interaction (4)

Showed the activities performed for team members or other people and talked about their daily lives. Interaction with the couple of undergraduates occurred for 90% of the children/adolescents and the interaction with other children/adolescents, for only 30% of
Among the participants who improved their scores, 55% interacted with the couple of undergraduates and/or with other children and adolescents and were motivated (showing excitement and curiosity). (5)

For example, many listed words, such as “talkative”/“loud” (as opposed to “quiet”) or “fun to hang out with”/“fun to be around” (as opposed to “isolated”). Moreover, one of the most frequently listed identity words among all the words describing self was “smart” (as opposed to “dumb”). In total, 77% of participants listed at least one of these antonyms to describe themselves. (4)

Women with a new diagnosis entered the list to seek the experience and advice of women who had already lived through surgery and various treatments, whereas women who had lived some years with breast cancer gratefully took the opportunity of telling their stories. (2)

100% of the children/adolescents maintained their attention in history, a fact observed through the attentive gaze in the staging and through the changes in the facial expression, coherent with the unfolding of the story. (5)

A significant positive relationship between negative stereotypes expressed in the “Who Am I” test and depression was observed (for frequency, \( r = 0.63, p < 0.01 \); for percentage, \( r = 0.51, p < 0.05 \)). (4)

Other stakeholders/Facilitator sharing personal information—allowed or gave permission to open up

In terms of acceptance of a cancer survivor identity, just more than 80% of stories indicated their acceptance of a cancer survivor identity (n = 18). (4)

Table S10. Synthesis stage 5 the second phase of the thematic development.

| Theme                  | Subtheme                        | Code  | Unit |
|------------------------|---------------------------------|-------|------|
| Content of interaction | Witnessing Hopes, fears, losses |       |      |
|                        | Definition of subtheme: Discussion often focused on participants own fears about living with cancer. Fear for self vs fear for family. Fears about immediate family, fear of cancer coming back. Honesty of exchange. Uncertainty around if the cancer is still their or present. while all of them expressed emotional concerns related to their cancer disease. (1) They talked about life, hope, and fear in the context of their personal narratives of the cancer experience: “custody of my grandchild who needed the normal, healthy parent in me,” “watching a plant grow under my nurturing care,” “living what is today,” “fear of suffering, not of dying,” and “someone bearing witness to your life.” (3) The personal stories told on the internet had several central and recurrent themes, including breast surgery, sexuality, physical and mental exhaustion, loneliness and fear. (2) One female participant treated for gynecological cancer said: One year ago they found cancer in my uterus. It only takes a slight amount of pain some—where before I think "oh no" and begin to worry that I might still have cancer. I hope to take something away with me [from the course] to tackle this. It has been a hard journey and it [the cancer] is always
in the back of my mind. (1)
Other participants confirmed that with any kind of pain or unfamiliar symptom, uncertainty, and concern followed—the fear that the cancer disease will return. Already during the introduction, it was clear that issues of fear and concern were mentioned as pertinent topics for the participants. (1)
This opening dialogue became the starting point for discussing emotional concerns and worries, being considerate of others and the importance of exploring and clarifying expectations between people who care about one another. (1)
The course can be seen as a storied sequence participants contributed thoughts about how they felt alone with their concerns and fears. One of these fears and concerns being the thought of losing their significant other. One female participant said: I worry, because, how will he manage when I am not there. I think if I die, he will die too. (1)
In different ways, they spoke about the fear that cancer provokes and the concerns that they have for each other and their children. In particular, they talked about the fear of the cancer returning or the fear that the cancer had not been fully removed. Several of them commented that: “We were never informed if it [the cancer] can return, nor about the late-effects.” (1)
. Only 36.1% (n = 22) of the stories related to cancer or cancer survivors with topics such as treatment (surgery, chemotherapy, radiation or other issues, such as nutrition, exercise, alternative medicine [40.9%, n = 9]), their diagnosis (18.2%, n = 4), their doctors (22.7%, n = 5), pain/suffering (22.7%, n = 5), and their lingering fears and concerns (18.2%, n = 4).
Although there were not many cancer-related stories, there were a number of health-related topics, such as narratives on health management practices (29.3%, n = 18) or their benefits (14.8%, n = 9). Video sharing via internet (4)
Among the video stories posted on the site, positive stereotypes included mentally strong (8.2%, n = 5), brave (3.3%, n = 2), able to cope (6.6%, n = 4), new insights (8.2%, n = 5), and new appreciation for life, friends, and family (8.2%, n = 5). — contrast to weakness a reliance on character(4)
Definition: Loneliness is a central consideration coming into the intervention. Need for real exchanges with someone else. How is the isolation created, how is this different from loneliness? —the interactions that follow a cancer diagnosis may influence
Their stories acknowledged that the cancer diagnosis requires the creation of a new map for their lives; that relationships with others are irretrievably altered; that bearing witness to the cancer story, despite its telling and retelling, is a healing gift (3)
After her first visit to the chat room, one woman wrote: “Time passed so quickly last night and I was on-line 1 hour and 10 minutes. […] If a laugh is good medicine then the chat was something that can heal, maybe not our breast cancer but our souls.” (2)
It is the loneliness I find worst, and that is why it is good the list has started, so we have somebody to share it all with when we need it. (2)
In response, another woman wrote: “I see that xx writes about loneliness. I recognize my own situation very well in that, and I feel it even more strongly this time} the absence of people. I miss some of those who would normally get in touch with me. It hurts so badly. Even close friends have disappointed me, they stay away to some extent and I do not know how to tackle this”. We found that the community of the mailing list counteracted the experience of social isolation and incorporated the women into a new social world. (2)
While another female participant said: My husband is very considerate and tries protecting me, which is a great help. I think he has some gloomy thoughts about my condition, but he doesn’t share them with me, and I don’t ask. (1)
Social connection and as a well reported item (10)
A subject brought up persistently in postings on the mailing list and in our interviews with the women was the inescapable experience of isolation (2)
Some women described a diagnosis of breast cancer as “being moved to” or “entering” another side of life. They became isolated from their loved ones and from the social world they used to be a part of. The isolation experienced by these women was complex, at times being was experienced as overwhelming. It appeared to be persistent and was a keynote to the stories. “Nobody calls, nobody writes, do they think this is contagious? I am very disappointed] should I call? I can hardly be bothered now”, one woman reported resignedly. Another woman wrote: “[…]” (2)
The group also articulated a broader range of themes, indicating understanding of the cancer experience (3). Personal stories were salient in as many as 83.6% of stories (n = 51). Participants often talked about their personal hobbies and interests (57.4%, n = 35) and their unique attributes (47.5%, n = 29). (4)

Small non significant improvements in spiritual well being and hope—identifying that the scale may not be capturing change. (6)

Index of Clinical Stress (Abell, 1991) show significant interaction. Story group felt less stressed over time (P < 0.05, F 12.2) where as control group felt more stressed. (7) No significant impact on depression, physical self efficacy or pain (7) fatalism and fear significantly decreased in the storytelling group. (9) post treatment depression (Z = −1.49, p = 0.14; ) and fatigue (Z = −0.13, p = 0.90) slightly higher for control group vs storytelling group (10)

I liked sharing with other women with breast cancer (mean 3.81SD 0.39 out of a possible 4 as agreement with statement) (11)
The group helped me feel better about myself (mean 3.79SD0.41 out of a possible 4 as agreement with statement) (11)
Definition: One outcome for the storytelling is the provision of a shared understanding of illness. The groups provide a natural fit to the need for human interaction. Responses referring to being heard, understanding how to live with the illness. Groups provide a base for knowledge exchange and coping strategies. This knowledge exchange may be unique to the group and may not exist from other sources. —non judgement

Negative case: Benefit of group may depend on the relative condition of the individual

Shared understanding of coping—shared strategies

They (storytelling group) were better acquainted with, or had more insight into, not coping compared to the control group (3) Another motive for turning to the mailing list was to find survivor stories and women to share the experience of breast cancer. Finding personal stories from women who had survived and found ways to live with breast cancer was described as a strong encouragement. (2) The mailing list provided a space in which experiences could be voiced and shared through storytelling. (2) The women used each other’s experiences to learn how to live with illness. One example was the difficult subject of sexuality after breast cancer. In response to a posting on the subject, one woman wrote: “It is good that you write about this. So far I thought that I was the only one on the list that encountered problems of that kind.” (2) I could write tons of mails on that subject. I love my husband, but I happened to suggest that we got a divorce) that seemed easier than getting our sex life to work again […]”. Several women encountered both physical and mental difficulties in engaging in the sexual act, and they learned from each other how to confront such problems. Recognition that sex was not what it used to be was central, but they also gave each other practical advice on how to deal with physical discomfort through exercise, various aids and pharmaceutical products. (2) assistance with a perception of coping and findings other ways to cope (10)

Sixty-seven percent of the respondents (26/39) noticed that they were better able to reach out to others for help and support (10) The group…described more fully what not coping looked like. (3) Two women, however, had difficulty determining how to proceed; one felt stuck in a victim role and could not see past that (although she held out hope for the future), and another reported that her skin burned from radiation and that she had feelings of depression. (3) Although others felt safe in the group, one participant shared some private information despite considering herself “not the type of person to share personal feelings.” she reported that this information was later revisited in a joking manner within the group. “I didn’t feel i had the freedom to say that i didn’t appreciate that … but it showed me that you have to still be very careful.” The participant also expressed conflicting thoughts about the way the...
storytelling group was run. (3)
Most of the participants said that they initially found it difficult and intimidating to talk about their illness experiences in front of others (1)
The group helped me cope with having cancer (mean 3.74 SD 0.44 out of a possible 4 as agreement with statement) (11)
I learned other ways to deal with problems (mean 3.56 SD 0.55)

Definition: relatedness and emotional wellbeing.
You turn to the net to find women who have the same age, diagnosis and treatment as yourself if they are alive it is good and gives encouragement if they are dead you get sad', one woman explained. (2)
Postings on the list sometimes contained remarks that would elicit laughter, bringing relief to both the writer and the reader (2)
Among other things, they emphasized that what they learned from the "All these considerations" workshop was an especially good way for them to address and alleviate some of the fear and concerns, which were troubling them. As one female patient expressed it: There I was with "The Lump" inside me and then I got rid of it. Her husband added: I really got something out of the rehab-course, because all the nervousness I have had, has been such a burden and it now is much less. (1)
Outcome learning about others feelings and experience was positive, feeling supported by the group and better about oneself, being able to share feelings and concerns. (10)
Attention to individual patient suffering was provided by exploration of the stories and not the clinical stories of the disease process (Emblen & Pesut, 2001). As the group worked together to understand their suffering, one woman was "faced with the fact that i might live, then what?" despite many family members dying of the disease. (3)
I was able to express my feelings (mean 3.72 SD 0.45 out of a possible agreement of 4 with the statement) (11)
I was able to express my concern in the group (mean 3.72 SD 0.45 out of a possible agreement of 4 with the statement) (11)
Definition: benefit on social or well-being, with a direct benefit on isolation and from others. Groups also reported increase in family and work relationships. Significant increases of social connections increased and individual reported agreeing that they were supported by the group.

Turning to the internet broke down the social isolation created by the experience of breast cancer. (2)
Receiving benefit from sharing with others who have cancer (10)
Forty-six percent (18/39) reported improved family relationships and 44% (17/39) noted better work relationships. Thirty-three percent (13/39) reported better communication with a spouse/partner. (10)
Non significant improvement in life satisfaction (6,7)
Social connection measured with the SWB subscale improved significantly in the intervention group (9)
I felt supported by the group members (mean 3.87 SD 0.34 out of a possible agreement of 4 with the statement) (11)
Definition: engagement of participants with others in the group/ The group was a space where individual could share their own feelings

The storytelling group believed that they could share their feelings and feel accepted and secure, despite low energy levels. (3)
the medical narrative, chosen initially by both groups in this project as a way for members to tell their stories in an often-rehearsed, socially sanctioned format, cannot fully express the illness experience. The medical narrative, the short-hand technical language universally used by healthcare providers, furnishes an efficient way for patients to communicate to others about cancer. (3)
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landed, she was in Holland. She suffered: she was lost, cold, and unable to communicate with others but she did the best she could on the unanticipated journey. Others entered into her metaphor for suffering, saying, “it’s Holland, and I don’t like tulips!” “I’m stuck and I can’t read the map,” and “I’d rather be in Italy with my friends!” They told stories about the loss of familiar, beloved things; shared their sense of vulnerability; and expressed resentment at lost companionship. (3)

Shared laughter also establishes a shared social world (2)
Strong bonds formed between the women who shared stories, surfacing through humour and powerful metaphors of kinship and through expressions of recognition and intimacy. (2)

Passing on stories about support and care was seen not only as reaching out to others but also as a way of dealing with one’s own experience and making it meaningful, leading to maintenance of self-esteem. (2)

The participants listened attentively, several nodded in response to the idea that fear could be seen as a little “Shadow-man,” as something they understood and made sense to them. One participant said: “Yes, but the fear is there,” and another participant added: “Yes, he comes out [the fear] especially before check-up visits [at the hospital].” Earl then suggested that they could try to take control of their fear; for instance, they could decide to talk to their “Shadow-man” 2 days before check-up visit to get him out from behind the door and into the open…. In the above example, a “Shadow-man” can be seen as a metaphor that provides the participants with an alternative tool to openly express and talk about the emotional burdens they experience. (1)

The Lump” is a short story about a boy named Johnny, who lives alone with his father. One day Johnny’s best friend Jack calls him a “stupid pig!” Johnny does not know how to react; his feelings are hurt, he is very unhappy and his pain feels like a hard—round—heavy—Lump. Johnny cannot get rid of the Lump; he brings it home and goes to his room. From then on, whenever Johnny is unhappy or hurt, he feels “the Lump” growing bigger … Afterward one participant said: “Wow, this gives me goose bumps, it relates so much to me.” Another said: “Yes, it was really good” and others joined in, saying: “this was very thought-provoking.” (1)

Source trust (belief and trust in the source of this message) was higher in Story group compared to comparison group (T = −10.61, p < 0.001) (8)

Source trust was positively related to positive exercise related behaviours (8)

I liked sharing with other women with breast cancer (mean 3.84 SD 0.37 out of a possible agreement of 4 with statement) (11)

I could share thoughts in the group that I could not share with most people (mean 3.63 SD 0.49 out of a possible agreement of 4 with statement) (11)

Definition: content of discussion was important being able to share opening about feelings was important.

thankful that she had found a place to openly discuss her fears about her cancer diagnosis; she was not allowed to do so at home because her husband strictly believed in positive thinking (3)
she also was instructed to avoid gatekeeping that could shut off stories as they began to surface. she countered this by allowing members to each “have their night” if they were severely stressed, emphasizing that the same courtesy would be extended to others as needed (3)
one person monopolizes the group … whether that person should have been controlled or whether it was good because the person knew they’d be helped. I still haven’t quite figured that out because I saw the person change considerably from when they first started the group (3)
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Analyzing the results before and after storytelling, it was possible to see that children and adolescents significantly modified their emotional state, with p value equal to 0.0111, as can be seen in Table 1. (5)

The use of art as a therapeutic resource assists in the development of free expression and enables the understanding and interpretation of children’s experiences and adolescents with cancer, improving their quality of life. (5)

The nurse facilitator was able to avoid judging, analyzing, and extracting data from the stories and seemed to accept them as whole and true to the teller (3)

Group members discussed bearing witness to each other’s stories with the guidance of the nurse facilitator, recognizing that it was not about fixing the issue or even having something to say, but just being with people (3)

Group members discussed bearing witness to each other’s stories with the guidance of the nurse facilitator, recognizing that it was not about fixing the issue or even having something to say, but just being with people … acknowledging who they were, and reminding them that their disease did not define or tarnish them. (3)

Many stressed that the absence of physical contact on the internet made it easier to start discussions on difficult and painful subjects, whereas the intimacy and trust formed on-line created the basis for discussions when the women met face-to-face. It was not the anonymity of the internet but rather the lack of physical contact at the time of writing that proved helpful to the women. (2)

Silences in the group were documented as natural and comfortable. Group members appeared to reflect on or contemplate stories just disclosed. (3)

The facilitator suspended her usual role as an authority figure to become vulnerable and acknowledge her own humanity … “it was like my own personal therapy session, only better because you shared your experience, too.” (3)

First of all, we found that participants avoided cancer-related topics in general. Only 19.7% of video postings (n = 12) had a direct reference to cancer. Type of communication – video posting prevented interaction (4)

For example, many listed words, such as “talkative”/“loud” (as opposed to “quiet”) or “fun to hang out with”/“fun to be around” (as opposed to “isolated”). Moreover, one of the most frequently listed identity words among all the words describing self was “smart” (as opposed to “dumb”). In total, 77% of participants listed at least one of these antonyms to describe themselves. (4)

Participants telling and retelling their stories to one another as they worked to make meaning from the cancer experience (3)

The medical narrative, chosen initially by both groups in this project as a way for members to tell their stories in an often-rehearsed, socially sanctioned format, cannot fully express the illness experience. The medical narrative, the short-hand technical language universally used by healthcare providers, furnishes an efficient way for patients to communicate to others about cancer. (3)

Some expected that it was going to be like “going to camp” and looked forward to meeting...
others that were in a similar situation with similar circumstances (1).

Overwhelmingly, the most favorable aspect of the group was the sharing and the stories as noted by over half the participants (25 of 39). A sample quote was "Each group member listened to me and the one thing I truly needed was to be able to talk & know someone cared. (10)

Those strategies were aimed at producing "virtually shared experiences" (Errante, p. 24) that allowed group members to vicariously enter the storytellers' realities and work toward shared meaning (Watson, 2003). (3)

It was good to learn from other patients about their feelings (mean 3.97SD 0.16 out of a possible score of 4.0 for agreement with statement) (11)

Definition: a need to re-explore meaning

Frequent retelling may have occurred because stories allow people to forget and reinvent certain aspects of their pasts, making them more acceptable in current circumstances (3). The stories often need to be re-explored for meaning in light of what participants now know. Revised versions then are used to validate identities and suffering, for both the participant and the group. Such validation was appreciated by one woman who said, "The group helped me see that the things that were happening weren't because of a failure on my part or something I had done wrong, or not done." (3)

Shared laughter also establishes a shared social world, and on several occasions women on the mailing list said that they enjoyed talking to each other "[...] because we can laugh at the same things". (2)

Note: 1 = La Cour et al. (2016); 2 = Høybye et al. (2005); 3 = Evans et al. (2008); 4 = Song et al. (2012); 5 = Garcia-Schinzari et al. (2014); 6 = Ando et al., (2018); 7 = Crogan et al. (2008); 8 = Falzon et al. (2015); 9 = Heiney et al. (2012); 10 = Heiney et al. (2015); 11 = Heiney et al. (2013).