

Children navigating parental cancer: outcomes of a psychosocial intervention

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For Peer Review Only

Abstract

Research has evidenced a marked increase in the prevalence of cancer among younger people with up to one in five, parenting children under the age of 18 years of age. When a parent is diagnosed with cancer they experience fears and anxieties as they attempt to simultaneously manage their role as parent, with the illness experience. Parents have expressed difficulties in knowing how to communicate appropriately with their children throughout the illness trajectory as they are primarily focused on protecting or shielding their children from knowledge of the illness. Understandably parents may become overwhelmed with significant parental stress impacting on their psychological wellbeing. This subsequently effects the well-being of the entire family unit, coupled with changes to routines, roles and responsibilities. This study was carried out to examine how a group psychosocial intervention Children's Lives Include Moments of Bravery (CLIMB®) helped young children to navigate parental cancer. A qualitative research design utilizing focus group methodology, artwork and individual interviews was used to generate data from 19 participants (parents, children and healthcare professionals). Three key themes emerged from the data, navigating the diagnosis, navigating emotions and changed routines, creating spaces to talk about cancer. The findings evidenced that attending CLIMB® was a positive experience for both children and parents. It gave the children the language and opportunity to express their fears and worries. CLIMB® equipped them with tools and skills to both express and manage their negative emotions, life skills that could be transferred to other challenging life events. All techniques that created spaces to talk and appeared to have a reassuring effect on the children. The parents appreciated the professional support that the structured intervention offered to them and helped them communicate more openly with their children. Creating spaces to talk about cancer reduces mistrust and tension between parents and children, when parental cancer occurs, and hopefully minimizes future psychological and social problems.

Introduction

Over the past three decades there has been a marked increase in the prevalence of cancer among younger age groups, many of whom are parenting children. At any given time, up to one in five cancer patients are parenting children under the age of 18 years (Weaver, Rowland, Alfano, McNeel, 2010). In Ireland it is estimated that 15% of people with cancer are aged between 20-50 years (National Cancer Registry Ireland (NCRI, 2018). Changing demographics and increased survival rates of cancer patients present the additional probability that individuals who are faced with a cancer diagnosis will be caring for dependent children (Harris et al, 2009; Maddens et al., 2009).

Research has indicated that when a parent is diagnosed with cancer they face additional fears and anxieties as they attempt to simultaneously manage their role as parent, with their illness (Rauch & Moore, 2010; Semple & McCance, 2010a; O'Neill, McCaughan, Semple, Ryan, 2016). Parents have reported difficulties in knowing how to communicate appropriately with their children throughout the illness trajectory (O'Neill et al, 2016; Semple & McCance, 2010a, 2010b) and they are primarily focused on protecting or shielding their children from the illness. Understandably parents can become overwhelmed and experience significant parental stress impacting on their psychological wellbeing, in some cases leading to depression (Kirsch, Brandt, Lewis, 2003; O'Neill et al., 2016). This has a subsequent effect on the entire family unit. When a parent is diagnosed with cancer the entire family undergo changes to routines, roles and responsibilities, all of which can cause huge disruption to both parents and children. (Scott et al., 2003).

There has been an increase in research on the impact of parental cancer on children over the last 20 years and findings have indicated that children are at an increased risk of psychological and social problems (Visser, Huizinga, Hoekstra, Hoekstra-Weebers, 2004;

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3 Osborn, 2007). These problems often differ depending on the age and gender of the child,
4 and can include separation anxiety, depression, difficulties related to school, leisure, family
5 functioning and relationships (Visser et al., 2004; Thastum et al., 2009). Certain attributes
6 have been reported to facilitate adaptation to a parents' diagnosis. These include the parents
7 own mental health status and ability to cope with the illness and family functioning, for
8 example, parent-child communication (Su & Ryan-Wenger, 2007; Thastum, Johansen,
9 Gubba, Olesen, Romer, 2008; Krattenmacher et al., 2012). It is acknowledged that children
10 require age appropriate information about their parents' cancer and they need support
11 communicating with parents, family members and healthcare professionals (Semple &
12 McCaughan, 2013; Ellis, Wakefield, Antill, Burns, Patterson, 2016). Furthermore, children
13 need an environment where they can feel comfortable discussing their emotions and have
14 their experiences normalised among peers (Ellis et al., 2016).

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29 Addressing the psychosocial impact parental cancer has on children has received attention
30 through the development of interventions. In a recent systematic review of children's
31 psychosocial needs and existing interventions, the evidence suggests that positive outcomes
32 in relation to child and parental mood, child behaviour and communication can be achieved
33 with interventions (Ellis et al., 2016). One such intervention which is delivered
34 internationally is Children's Lives Include Moments of Bravery CLIMB®. This is a 6-week
35 group psychosocial intervention for children aged 5-12 years that was developed in Colorado
36 in 2001. The background and details of which have previously been reported in the literature
37 (Shallcross, Visvanathan, McCauley, Clay, van Dernoot, 2016; Semple & McCaughan,
38 2013).

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51 CLIMB® is delivered in over 35 locations in the Republic of Ireland (RoI) with over a 100
52 trained facilitators (see appendix 1). Despite the successful rollout of CLIMB® across the
53 RoI, to date an evaluation has not being undertaken. Furthermore, although this psychosocial
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3 intervention is delivered internationally, to include many leading cancer units in the United
4 States evaluation in peer-review literature has been limited (to the authors knowledge) to the
5 studies of Shallcross et al, 2016; Semple & McCaughan, 2013)
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10 Although it may be the case that the programme is working satisfactorily, cognisance must be
11 taken of different social and cultures contexts in the south of Ireland. Furthermore, it is
12 essential that interventions are systematically evaluated to ensure they meet the needs of
13 those availing of the service, thereby ensuring efficacy while also contributing to continued
14 development and review of that service (Campbell et al., 2007). One must also be mindful of
15 the need to ensure value for money is achieved for funders, given the current economic
16 climate. Additionally, following the launch of the 2017 National Cancer Strategy
17 (Department of Health, DoH) it has been identified that a comprehensive psycho-oncology
18 and psychosocial support service plan should be developed, one that encompasses both the
19 hospital and community care. CLIMB® is one intervention that has the potential to form part
20 of the proposed model outlined in the strategy.
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Method

This aim of this study was to examine how a psychosocial intervention helped children to navigate parental cancer. A descriptive qualitative design was used. Focus groups were conducted with seven children by the first author in conjunction with the facilitator delivering the intervention. A topic guide based on current literature was used to focus the group discussion. At the beginning of the focus group the children were asked to write three words or draw three pictures describing what cancer meant to them. This technique has been shown to be developmentally appropriate as a means for children to demonstrate their understanding of illness (Guillemin, 2004).

In this study the drawings were used as supplementary data to the narrative data generated from the focus groups. The process of drawing allowed the children to visually demonstrate their knowledge of cancer and to visually display their experience of their parent's illness. Drawing also facilitated the children with a means of portraying their emotions, either simply or in a more complex way (Guillemin, 2004). This methodology was particularly suitable in this study as the children were already using this activity. Creative art therapy was one of the activities, in addition to play therapy that was employed in the psychosocial intervention sessions. As a rapport building exercise with the children the first author attended all of the programme sessions prior to data collection.

Concurrent focus groups were conducted with seven parents by the second author who has extensive experience in conducting qualitative data collection, in a separate room from the children. Similarly, a topic guide was used to lead the discussion. Interviews were also conducted by the first author with five facilitators delivering the psychosocial intervention to explore their experiences. Data was digitally recorded following informed consent.

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3 The inclusion criteria for this study included children aged 5-12 who were impacted by
4 parental cancer, who had completed the 6-week CLIMB® programme and their parents
5 following informed consent. Participants were recruited from two centres in the RoI. In
6 addition to the children and parents, five facilitators were recruited who delivered the
7 psychosocial intervention and had a professional health and social care background and had
8 completed 2 days training in delivering the manualised CLIMB® programme. See table 1 for
9 demographic details.
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18 Ethical approval was sought from the Research Ethics Committee (REC) in Dublin City
19 University prior to the research being conducted. To ensure that child assent and parental
20 consent was obtained, detailed plain language statements and consent forms were developed
21 that were age appropriate and in line with guidelines from the Department of Children and
22 Youth Affairs (2012) and REC guidance. Additionally, to minimise distress, focus groups
23 were conducted in the same location that the intervention was delivered and in a similar
24 format to the previous intervention sessions. Arrangements were made for follow-up
25 psychological support for participants if required. None of the participants required this
26 additional support.
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39 Data Analysis

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42 Focus groups and individual interview data were transcribed verbatim. Data was analysed
43 using Krueger's (2000) framework. Transcripts were read and reread line by line by the first
44 and second authors. This data was initially coded and categorised thematically and following
45 a critical discussion by both authors, final themes were generated. In addition, both authors,
46 utilising Rose's framework (2007), engaged in a critical dialogue as part of the interpretation
47 of the drawings produced by the children. The authors' interpretations were also guided by
48 the children's focus group narrative data around the pictures.
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3 As part of the focus group the children were asked to write three words describing what
4 cancer meant to them and to follow this up with a visual image. Some of the children
5 integrated the images and the words, (see figure 1). All of the children were particular about
6 their use of colour when constructing the images expressing how they needed the 'right'
7 colour. Most of the children used dark colours such as black and dark blue in the pictures.
8 Following the drawing exercise the children were asked to describe the drawings and what
9 they meant to them.
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12 The images were analysed using components of Rose's visual methodology framework
13 (2007). The images signified terror, cancer as a monster, a nightmare, a tsunami, and
14 spiders. All of the images, with the exception of one, were congruent with the focus group
15 data. The image that differed both in content, form and colour was figure 2. This particular
16 child (aged 11) first drew three very small images of what cancer meant to her; scared, a
17 spider, and a monster. It is interesting that these smaller images were incongruent with the
18 larger more colourful, delicate image of '*the ghost of good will*'. This particular child's
19 parent had a secondary diagnosis of cancer. One could interpret this drawing as
20 demonstrating the child's attempt to contain the fear she is experiencing. It seems that she
21 appears to understand the gravity of her mother's illness. On the other hand, the image of the
22 ghost could be interpreted as the child creating a preferred image; one that conveys a feeling
23 of lightness and hope, and one that is more acceptable to her. In figure 3 the drawing
24 represents cancer being killed by radiotherapy, with the smaller image on the left representing
25 his mother being happy.
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28 The findings from the parents, children and facilitators were compared and then woven
29 together to present the narrative of how children navigated the experience of parental cancer.
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31 Three themes emerged from the convergent data, navigating the diagnosis, navigating
32 emotions and changed routines, creating spaces to talk about cancer.
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Navigating the diagnosis

All of the parents were understandably devastated when they received their diagnosis, their everyday worlds were totally altered, and they were left without a map to navigate the uncertainty of the future. This uncertainty shaped the manner in which the children discovered that a parent had cancer. One of the children found out when she observed her Mother packing her bags and asked; *'why are you packing bags? Her mother replied, "I am going to the hospital because I have cancer" (C6: 8-year-old girl).*

Some parents spent time and energy planning to tell the children about the diagnoses. One of the children recounted how he knew something was wrong when both parents arrived to pick him up from school:

'I knew something was going to happen because that day my dad and my mum collected me from school and that's like really uncommon... it's always something bad when they both pick me up from school. I always think that'. (C 4: 10-year-old boy)

Another boy (C 7: 10-year-old) wondered why his father had sent a friend to pick him up from school that day. When he asked why this had occurred, his father told him that they were in the hospital for tests and they found out that his mum had cancer. Some of the children had prior experience of various relatives having cancer. One child in particular whom both sets of grandparents had died from cancer expressed that while he was shocked *'I knew it was going to happen but then I didn't think it was actually going to happen, but it did' (C4, 10-year-old)*

While some parents made plans and preparations to tell the children soon after diagnosis, other parents deliberated and pondered whether or not to tell their children the 'bad news' at a time they felt overwhelmed dealing with their own emotions.

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3 *'We wanted to hide from the kids. We were just in kind of ... not in denial I would say but*
4 *unsure of what to do, and where to go, and how to say anything, because of course we were*
5 *just dealing with the shock of it' (P2)*
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10 As the parents struggled to come to terms with the diagnosis some of them became aware that
11 the children, especially the older ones, sensed a change in the atmosphere at home. For many
12 of the parents' surgery and or treatments commenced immediately following diagnosis. Thus,
13 the parents had no choice but to give the children some explanation for hospital visits and in
14 some cases hospitalisations. Agreement between partners on when to, what to and how to tell
15 the children varied. Partners did not always agree on the timing of disclosure, as evidenced in
16 the following excerpt;
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25 *'Going into a spin It was like we were both coiled up right beside the [Doctors]*
26 *desk. Got the diagnosis, and then it was just pulled and the two spinning tops just went into a*
27 *spin. And if you can imagine these two spinning tops, every time they touch anything it just*
28 *goes flying, if they touch each other they go even worse, and so it took about probably, about*
29 *6 weeks or even longer for us to kind of reconnect. We were in two different worlds. And*
30 *what happened then was there was an amount of distance and I couldn't understand, I*
31 *couldn't assimilate the information, and I wasn't prepared to take any action with the*
32 *children until I had assimilated it myself' (P3).*
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43 This demonstrates the unpreparedness parents felt which was further complicated when
44 opposing views on disclosing the illness to the children occurred. The rapid nature in which
45 diagnosis and treatment occurs gives little time and space for parents to process what is
46 happening.
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52 The children described how they hated the mention of the word cancer with some expressing
53 how it scared, shocked, saddened and annoyed them. The children used visual images to help
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3 them describe what cancer represented to them. The images ranged from monsters,
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5 nightmares, clowns, and spiders. All of the things it seemed, that frightened them. The
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7 children represented these various images artistically (see figures 1-4). For many of the
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9 children, the term 'cancer' was not new. They had heard it being used in relation to
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11 grandparent's illnesses and deaths; as well as extended family members such as aunts and
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13 family friends. Not all of the parents had explicitly told their children that they had cancer. In
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15 some instances this occurred only when the children attended the programme. One of the
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17 children articulated how she did not like using the term and how it affected her '*because it*
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19 *sort of disturbs me, because it makes me feel funny, so I can't really focus*' (C6: 8-year-old
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21 girl)
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25 Another child articulated the meanness of cancer and expressed how he did not like '*the way*
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27 *it acts to my mum, and I don't like her having it*' (C5: 6 year old boy) Many of the children
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29 were emotional when recounting how they learned about a parent's illness and they also
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31 displayed emotion and empathy when hearing the other children in the group talk about their
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33 own experiences.
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36 *Navigating emotions and changed routines*

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39 Attending the programme gave all the children emotional support and conceptual knowledge
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41 about cancer and the treatments involved. Meeting others in the same predicament helped
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43 them and appeared to have a reassuring effect. One of the boys expressed that attending
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45 enabled him to gain a better understanding of cancer and related treatment which reduced his
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47 anxiety:
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51 '*That we could talk about the sickness our mum's are having or our dad's and we could*
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53 *learn about it more and more to get less scared... I learned that cancer has two different*
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55 *treatments to try and get rid of it: chemo and radiotherapy. Chemo can pop good cells and*
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3 *bad cells, and radio [therapy] can pop just bad cells, and it focuses on one spot' (C7: 10-*
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5 *year-old boy).*

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8 Whereas the following quote demonstrated how CLIMB® facilitated the expression of
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10 emotions;

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13 *'if like one of your parents has cancer you should go to it [Climb®] because you can like*
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15 *describe what you're feeling and tell them everything, like you don't really have to keep*
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17 *anything a secret because nobody is different to you there. 'Everybody [there] has parents*
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19 *who have cancer' ... (C1: 11-year-old girl)*

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22 The use of arts and crafts helped the children express their emotions of anger and sadness and
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24 to articulate these emotions in dealing more effectively with their feelings. The worry box
25
26 was a central device for the children in learning how to manage these feelings. The children
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28 used this tool to write a note about their worries and to keep this secretly in the worry box.

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31 A second device was the anger cube, which was made in week 5, where the emotion being
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33 discussed was anger. The children drew pictures or wrote words of things that made them
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35 feel good or happy and placed these on each side of the cube. Then when the children were
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37 experiencing anger they threw the cube and used their own suggestions to modify these
38
39 feelings. The success of the above strategies is evidenced in the data segment below:

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42 *'before [coming on the CLIMB® programme] I'm always in such a bad mood in the*
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44 *morning... on one of the pink ones [writing slips] I wrote down I were quite worried if my*
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46 *mam would die and stuff ... and I wrote down like when my mam was in hospital because it*
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48 *was really hard like' (C1: 11-year-old girl).*

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51 Another child expressed how the programme had helped him not to blame himself [for his
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53 father's cancer] and that he now discussed things with his older teenage sister and had told
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55 her about the activities and strategies he had learned.
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3 All of the children expressed feelings of sadness when they discovered their parent's illness
4 and talked about how the illness had altered their daily routines. The overarching change in
5 everyday life for the children was observing parental fatigue. This affected so many aspects
6 of daily life and activities. For example, cooking meals changed from having full dinners to
7 more simple dishes. One of the children expressed this:
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14 *'she's really tired and we don't cook as big meals so [we] just cook like pasta*
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16 *sometimes...she's always in bed and she always allows me on the computer when she's in*
17 *bed but she never does that normally' (C4: boy 10year old)*
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21 Another child recounted how his father was always tired and spent all his time on the couch
22 and when he *'puts a movie on he just falls asleep like [for] the whole movie'* (C3: 11-year-
23 old). For some of the children play dates were also curtailed because of parental fear of
24 infections. Other children talked about how the fact of their parent's inability to drive
25 affected their social activities. They were now using public transport or getting taxis and
26 dependant on extended family and friends to take them to the various activities that children
27 engaged in.
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32 The data also evidenced that despite the activities on the programme many experienced
33 heightened tensions in the home. They talked about quarrelling with other siblings and
34 missed having one to one time with the ill parent.
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44 *'The girls (sisters) have been having time with mummy but I haven't. I don't really get to see*
45 *mummy most of the time, because the cancer's stopping me' (C5: 6-year-old boy)*
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49 ***Creating spaces to talk***

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51 Meeting other children in similar situations helped somewhat normalise the illness
52 experience. The children also learnt that they were not alone, they were not the only ones
53 with a parent with cancer, and the isolation they experienced prior to coming on the
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3 programme dissipated. Having other children to talk to appeared to alleviate some of the
4 anxiety for them. One facilitator described how peer support can be more important than
5 what the facilitator has to offer, and in this way the group support can be very powerful
6 among the children.
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12 *'so they're all kind of going through a similar experience and they hopefully then listen to*
13 *each other a little bit because it's way more important to what ... I always feel the things that*
14 *they say out loud in the group are way more important than anything I'll ever say in the*
15 *group' (F2)*
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21 The children are also learning about cancer and the different treatments that their parents are
22 going through in an age appropriate manner and in a language that they can understand
23 through art or games. The programme also provides the children with tools to deal with their
24 emotions, which are akin to life skills, and these can be shared with other siblings and their
25 parents. Facilitators also acknowledged that these tools can help the children to better
26 communicate with their parents and the facilitators while engaging in a fun art activity.
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34 *'It's very hard for kids to talk to adults, particularly when in 90% of the homes the adults*
35 *won't talk to each other. So, I think the little tools help them communicate with adults. (F5)*
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38 The CLIMB® programme repositions the children at the centre of the family once more, a
39 position they held prior to the cancer diagnosis;
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42 *'I think actually the number one thing for me is they (children) become an important person*
43 *again. And I don't mean they're forgotten about in homes at all. I mean, the child will still be*
44 *in it. But at the end of the day, all of a sudden, the visitors who came to see them aren't*
45 *coming to see them anymore. So, they come into a room and it's all about them. It's not about*
46 *anybody else. It's about them' (F5).*
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53 Children are also better informed about their parent's cancer and better equipped to deal with
54 their feelings. The programme can also give the children the confidence to ask difficult
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3 questions they may not have felt they could have previously asked. Children are now
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5 involved in the illness journey.

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7 Facilitators described how frequently parents are afraid to talk to their children about cancer.
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9 Parents value the professional support that the programme offers in commencing this
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11 dialogue. The facilitators also described how frequently parents are desperate to do
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13 something to help their children develop an understanding of the illness. Enrolling the
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15 children on the CLIMB® programme makes them feel that they are doing something positive
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17 and useful for their children. Often cancer treatment regimens and schedules result in some
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19 parents feeling they do not have the space or time to give to their child but the programme
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21 creates and offers that space so that the children can talk about their worries and concerns.
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23 This is a relief and somewhat creates a respite for parents as it also provides space for the
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25 parents to process their own worries and uncertainties.
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Discussion

The findings from the study showed that a cancer diagnosis in a family is a devastating event for the entire unit. Parents understandably were shocked with some needing time to process the information before they could think about discussing it with their children. The timing of the disclosure to the children varied amongst the parents in this study. Some depending on their level of self-awareness and emotional intelligence began this conversation at an early stage while on the other hand, many of the parents felt ill-equipped to deal with the emotionality around the word cancer. Findings that concur with what is already known about parents' responses to a diagnosis (Raunch and Moore., 2010; Semple and McCance 2010a). This finding supports the benefits of having timely conversations with children to promote open communication and reduce mistrust, thus reducing the psychological and social problems that may arise, for both the children and parents (Visser et al., 2004; Osborn 2007).

The findings in this study evidence that parents were surprised at the ease at which the children adopted the language of the illness. They were not reticent about openly using the term 'cancer' and the programme helped them understand the various treatments and side-effects that the parent with cancer was experiencing. However, despite the children's apparent ease with the language of cancer the images they drew demonstrated their fear, worries and of how their imaginations understood the illness.

Although the use of arts and crafts to facilitate the conversation and discussion with the children appeared to give them a certain level of comfort with the diagnostic language, their images demonstrated the reverse. Participating in the programme gave the children the words to articulate what was happening at home and they were now part of the illness conversation. While many of the parents did not disclose the diagnosis to the children at an early stage, the children sensed a change in the home environment. They knew that something was wrong.

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3 They intuited this change through the altered domestic routines, a finding that concurs with
4 that of Scott et al., 2003; Semple & McCaughan, 2013, and Furlong, 2017. Attending the
5 CLIMB® programme was a positive step for all of the children. It gave them a chance to
6 express their worries and meet other children in a similar situation, which appeared to have a
7 somewhat reassuring effect as they bonded together as a community. This finding highlights
8 the value of promoting a comfortable, normalised environment in which the children can talk
9 to their peers (Ellis et al., 2016). The parents were aware of this also and felt that the
10 programme removed some of the burden of responsibility on them. The tools the children
11 learned to use on the programme were life skills that helped build resilience and could be
12 applicable in any serious life event. In this study the tools were also used by other members
13 of the family.

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27 The findings from this study strongly evidenced that most of the children were better able to
28 openly express their emotions and to use the adoptive strategies to manage their feelings.
29 One parent however, expressed a concern that his six year old child was displaying increased
30 somatic symptoms since starting the programme. This father described how the child would
31 internalise his emotions prior to starting the programme. However, he did acknowledge that
32 the programme had given his son the words to express and process his emotions and this may
33 have been a reason for his increased somatic symptoms. This one instance concurs with the
34 findings of Shallcross et al., (2016) who suggest that when children gain a greater
35 understanding of their emotions, a short-term increase of negative emotions may result from
36 this insight. It is hoped that this will improve longer term positive adjustment into adulthood
37 as previous studies (Visser et al., 2004; Osborn, 2007) have demonstrated that open
38 communication with children surrounding parental cancer improved family cohesion with
39 reduced requirement for psychological and psychiatric input in adulthood compared to those
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3 that had non-disclosure during childhood years (Huizinga, van der Graff, Visser, Dijkstra,
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5 Hoekstra-Weebers, 2003; Watson et al., 2006).

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8 While the findings from this study align with those of Shallcross et al., (2016) and Semple &
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10 McCaughan (2013) cognisance needs be paid to the challenges involved in delivering a
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12 programme that covers a broad age span. It may be that one to one sessions are necessary for
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14 children with significant distress as recommended in another psychosocial intervention
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16 (Phillips & Prezio, 2016). This demonstrates the importance of facilitators being able to
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18 manage the different needs of the various children. A recommendation from the findings that
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20 an understanding that this may occur should be part of guidance information for parents and
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22 facilitators. Despite the differences between the children's level of emotional maturity and
23
24 the disparity of ages, the parents and children unanimously agreed on the benefits of the
25
26 programme. The parents felt that the strategies learnt on the programme empowered the
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28 children to manage their emotions, again a finding that concurs with other scholars
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30 (Shallcross et al., 2016; Semple & McCaughan, 2013). The parents in turn felt empowered
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32 and better equipped to discuss and share the illness with their children and to include them in
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34 the illness conversation.
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38 Another unexpected finding that emerged from the study was the differences between
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40 spouses on when to disclose information to their children about the cancer diagnosis. Some
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42 parents took longer to process the diagnosis resulting in disagreement around disclosure of
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44 information to the children. It has been noted in the literature that individuals' responses to
45
46 illness may be influenced by their gender (O'Neill, McCaughan, Semple, Ryan, 2013).

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48 Although it has been acknowledged that men and woman can have similar cancer
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50 experiences, the manner in which men respond may be very different to women (Robertson,
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52 2007). In addition, the changing patterns of family structures and relationships may make
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54 open communication more challenging (O'Neill et al., 2016).
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3 The findings in this study point to the importance of taking a family centred approach to
4 talking about cancer with the children (Semple & McCaughan, 2013; O'Neill et al., 2016;
5 Turner, Clavarino, Yates, Hargraves, Connors, Hausmann, 2008). As previously mentioned
6 there is no structured family support service available in the RoI. This is a wider policy issue
7 that needs to be specifically addressed by the new Cancer Strategy which was published in
8 2017 by the Department of Health (DoH). There remains a significant gap in psycho-
9 oncology and psycho-social support services with only two of the designated cancer centres
10 having dedicated psycho-oncology services, one of which is part time (DoH,
11 2017). Although a new proposed model which adopts a multi-disciplinary approach in the
12 hospital and the community through cancer support centres is recommended, this proposal
13 will require a co-ordinated and resource rich supports. As identified in the strategy,
14 cognisance must be taken of the predicted growth in incidence of cancer and demand for
15 services in the coming years, all of which will necessitate additional requirements to be added
16 to current inadequate services (DoH, 2017). In conclusion, creating spaces to talk about
17 cancer reduces mistrust and tension between parents and children when parental cancer
18 occurs and hopefully minimises future psychological and social problems. This was a small
19 study and the findings cannot be generalised. However, the authors argue that comparing the
20 data from different groups in conjunction with the children's art work can enhance the
21 strength of the research findings and can give the reader a richer understanding of the
22 experiences and processes of the participants (Ritchie, Lewis, McNaughton Nicolls,
23 Ormstom, 2014). Combining the collective voices of the children, parents and facilitators
24 under three themes helped to give a richer conceptualisation of the children's experiences of
25 parental cancer. Also, combining the collective voices clearly outlined the benefits of the
26 group psychosocial intervention.

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Declaration of Interest

The authors report no conflicts of interest.

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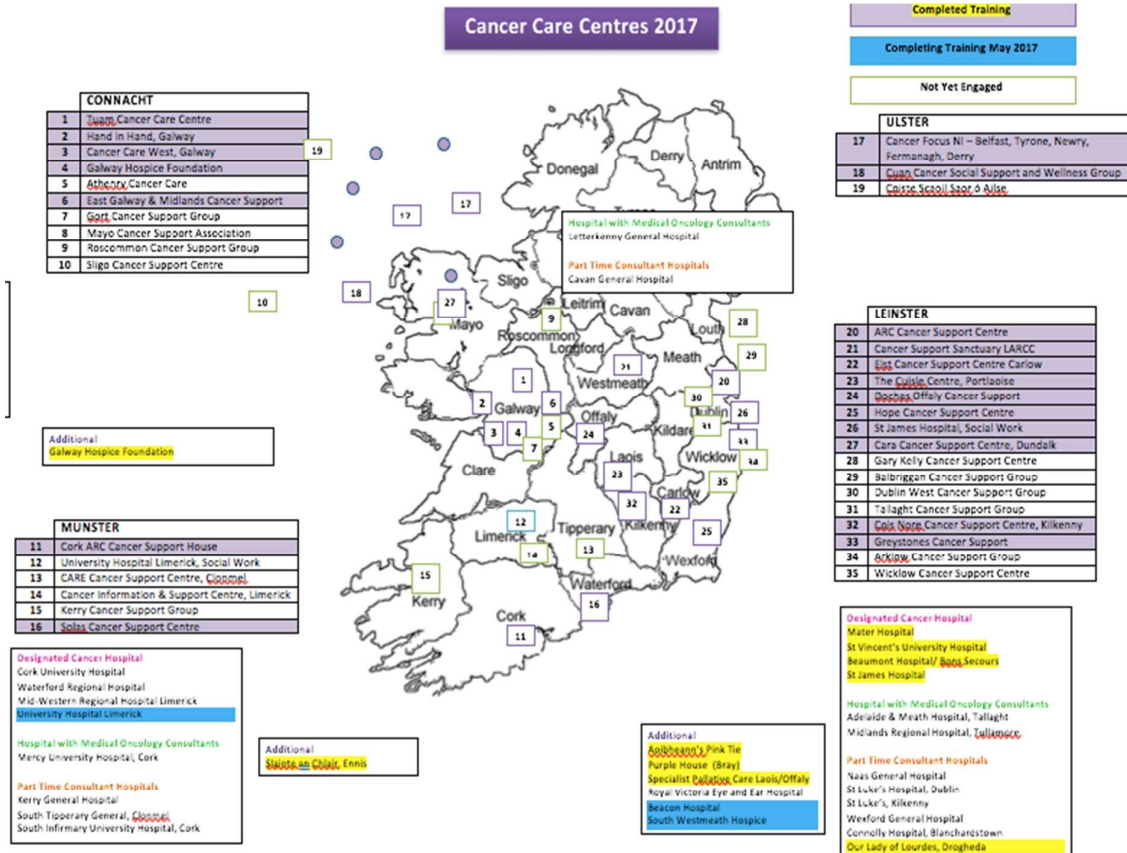
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Table 1; Participants demographics

Children				
<i>ID</i>	<i>Age (yrs)</i>	<i>Gender</i>	<i>Parent with Cancer</i>	<i>Type of Cancer</i>
C1	11	Female	Mother	Breast
C2	8	Female	Mother	Breast
C3	11	Male	Father	Colon
C4	10	Male	Mother	Breast
C5	6	Male	Mother	Breast
C6	8	Female	Mother	Breast
C7	10	Male	Mother	Breast

Parents			
<i>ID</i>	<i>Gender</i>	<i>Cancer Yes/No</i>	<i>Type of Cancer</i>
P1	Female	Yes	Breast
P2	Female	Yes	Breast
P3	Male	No	n/a
P4	Female	No	n/a
P5	Male	No	n/a
P6	Male	No	n/a
P7	Male	No	n/a

Appendix 1. Map of Centres Offering CLIMB®



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Figure 1.



Figure 2.



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Figure 3.

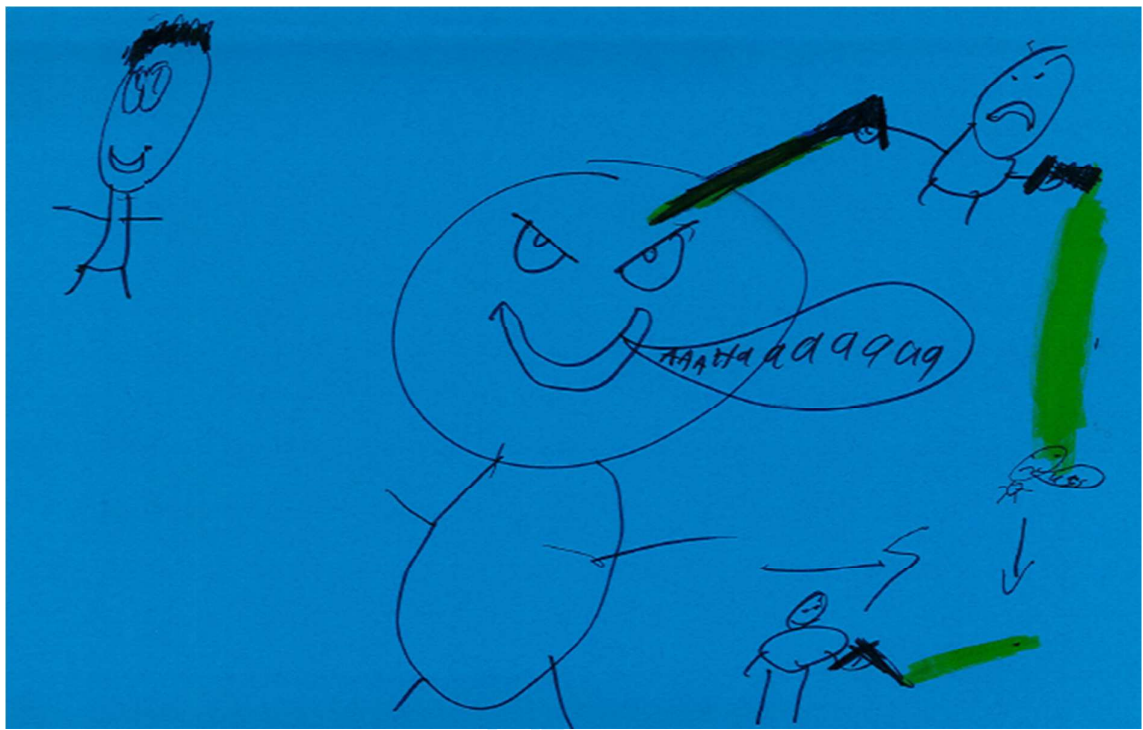


Figure 4.

