Advance Care Planning for Older Australians Living in the Community: The Impact of a Group Education Session

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Abstract
To evaluate the impact of advance care planning (ACP) education with people aged ≥60 years living in the community. The interactive workshop explored all aspects of ACP—legal, emotional, physical, spiritual, role of significant others—and allowed reflection time, questions, and group discussion. Evaluation of knowledge and attitudes toward ACP were completed pre- and post-training. Readiness-to-change and feedback about the workshop quality were collected post-training. Eleven workshops were delivered in Queensland (132 matched pre- and post-questionnaires compared for analysis). Participant's ACP knowledge and confidence increased significantly (12/13 statements, p<0.05) alongside some shift in attitudes (4/12 statements, p<0.05) after training. Participants were engaged and rated the workshop positively. Single ACP workshops are an effective intervention for healthy older people in the community. Training should focus on demystifying legislation and documentation, the importance of planning and communicating wishes while still healthy, and the need to regularly review and update plans. Follow-up is required to assess translation of education into ACP action.

Keywords
advance care planning, advance health directive, education, aged care, knowledge, attitudes

Introduction
Universally, the trajectory of health and dying has changed dramatically (Swerissen & Ducket, 2014). Like most developed countries, Australia is facing a rapidly growing aging population with the number of centenarians increasing by 235% in the past two decades (Australian Bureau of Statistics, 2011). The population aged above 65 years is projected to increase from 3.2 million in 2012 (14% of population) to 5.7-5.8 million in 2031 (18.3%-19.4%) and to 9.0-11.1 million in 2061 (22.4%-24.5% of population; Australian Bureau of Statistics, 2013b).

The end-of-life ideal of “dying peacefully at home” eludes most individuals with the majority of people of any age continuing to die in institutions (Broad et al., 2013; Pickett, Walker, & Dave, 2010). Studies on peoples preferred place of death predominantly report a preference to die at home, yet Broad et al. (2013) recently found that more than half (54%) of all 16 million reported deaths occurred in hospital. In addition, the number of hospital and institutional deaths doubled for people aged 85 years and above (Broad et al., 2013). Similarly, about two-thirds of Australians die between 75 and 95 years of age, and about 70% of deaths are expected (Australian Bureau of Statistics, 2013a; Swerissen & Ducket, 2014). Between 60% and 70% of people want to die at home or a home-like environment (hospitals and residential care are the least preferred options), but only approximately 14% die at home (Broad et al., 2013; Foreman, Hunt, Luke, & Roder, 2006; Higginson, Sarmento, Calanzani, Benalia, & Gomes, 2013). The main reasons people are unable to die at home are due to a lack of support services or a lack of discussion about dying and planning for it (Swerissen & Ducket, 2014).

Determining how to provide quality and affordable health care to older people, particularly end-of-life care, has driven investment in advance care planning (ACP) (Alano et al., 2010; Bravo, Dubois, & Wagneur, 2008; Morrison & Meier, 2004). ACP provides assurance for quality of life, individual autonomy, provision of people’s rights and wishes to be maintained even if they have lost the capacity to communicate, and peace of mind for family members (O’Malley, 2015).
ACP is the process where people reflect on their personal values, beliefs, and goals for the future, and then typically in consultation with family, friends, religious leaders, and health professionals, they formulate (either formally or informally) a health plan stipulating their wishes should they ever lose capacity to participate in or communicate their future health care (Detering, Hancock, Reade, & Silvester, 2010; Swerissen & Duckett, 2014). Despite acknowledgment that older people want to participate in their future health care plans, and governments investing in ACP initiatives, completion and engagement rates consistently remain low across the western world with estimates believed to be less than 20% (Collins, Parks, & Winter, 2006; Pautex, Herrmann, & Zulian, 2008; Ramsaroop, Reid, & Adelman, 2007; Scott, Mitchell, Reymond, & Daly, 2013). Two Australian studies reported rates of 5% in residential aged care facilities (Bezzina, 2009) and 8% of emergency patients (Taylor, Ugoni, Cameron, & McNeil, 2003).

There is strong evidence that the most opportune time to engage consumers and their families in discussion about ACP is when they are well and living independently in the community (Malcomson & Bisbee, 2009; Mezey, Leitman, Mitty, Botterell, & Ramsey, 2000; Patel, Sinuff, & Cook, 2004; Perkins, 2000; Ramsaroop et al., 2007). Yet frequently, ACP is raised without foresight or planning when people are hospitalized or diagnosed with a terminal illness (Mezey et al., 2000). Perkins and colleagues (2002) found that raising the issue of ACP during a hospital admission is often not appropriate or successful due to people’s vulnerabilities. The systematic review of interventions to promote advance health directive (AHD) completion in older adults by Bravo et al. (2008) showed greater success rates among non-clinical populations and nursing home residents than among medical patients. Therefore, a paradigm shift in relation to ACP engagement and education with a focus on trajectory of disease and frailty and increased communication and partnership will be paramount to the success of ACP completion in the future (Baughman et al., 2012). Community education on ACP will also be vital if these rates are to change and the needs of older people are met in end-of-life care (Detering et al., 2012). ACP is raised without foresight or planning when people are hospitalized or diagnosed with a terminal illness (Mezey et al., 2000). Perkins and colleagues (2002) found that raising the issue of ACP during a hospital admission is often not appropriate or successful due to people’s vulnerabilities.

In this article, we report the results of the evaluation conducted prior to and at the completion of the workshops with respect to the impact of the education on consumers’ knowledge, attitudes in relation to ACP, and feedback related to the quality of the education.

**Method**

**Study Design and Setting**

This pre–post design study was conducted with two groups of consumers aged ≥60 years. Consumers were recruited from a range of community-based sporting, recreational, educational, and social clubs, community service organizations, health groups, hospital volunteers and a retirement complex via email, newspaper advertisement, expression of interest postcards, posters, and public information sessions. Despite multiple strategies, there was little interest or engagement from chronic health organizations and populations, which is consistent with previous research (Patel et al., 2004; Perkins, 2000). In contrast, the response from independent consumers expressing interest was high and participant numbers had to be capped because demand exceeded the limited number of workshops offered and resources available.

A series of workshops were held in three South East Queensland locations, and consumers were sequentially allocated to one of two groups. Group 1 (immediate training group) undertook the training as they enrolled (October 2012 to December 2012), while Group 2 (delayed training comparison group) had delayed access to the training (February 2013 to April 2013). Participants were asked to complete a questionnaire before the commencement of the education...
(T1) to ascertain their current knowledge, attitudes, and experiences in relation to ACP. At the end of the workshop, they completed a second survey (T2) to evaluate whether the workshop had improved their knowledge, attitudes, and future behavior with the ACP process.

Ethics approval was granted by the University Human Research Ethics Committee (HSV/31/11/HREC) and by the local Health Human Research Ethics Committee (HREC/12/QGC/4/AM01).

**Data Collection**

All workshop participants in both groups were invited to complete a paper-based questionnaire immediately prior to training (T1) and immediately after completing the training (T2). Group 2 participants (delayed training comparison group) were invited to complete the pre-training questionnaire on two occasions: (i) online in October 2012 (T1a) and (ii) immediately prior to training (T1b) to ensure that any changes observed were due to the impact of the training. The self-report questionnaire used for assessing consumer knowledge, attitudes, and experiences of ACP was developed from published survey instruments identified in a literature review (Alano et al., 2010; Jackson, Rolnick, Asche, & Heinrich, 2009; Mezey et al., 2000) and other training evaluations (Christie, Black, Dunbar, Pulford, & Wheeler, 2013; Walters, Raymont, Galea, & Wheeler, 2012; Wheeler, Fowler, & Hattingh, 2013). Amendments were made to wording of the published instruments so that it was more familiar to Queensland consumers, for example, physician was changed to doctor and advance directive was changed to advance health directive. The modified questionnaire was piloted with healthcare consumers aged ≥60 years (n = 8), health care practitioners (n = 4), and academic staff of two universities (n = 5) and amended accordingly to promote clarity.

The final version of the pre-training questionnaire collected demographic information and prior experience of ACP, including any previous training. Participants were asked to rate statements regarding their attitudes using a 7-point Likert-type scale (1 = strongly agree and 7 = strongly disagree) and knowledge about ACP by selecting a “true,” “false,” or “unsure” option at both time points. Participant ratings of their satisfaction and quality of the workshop were collected immediately after training (T2). Comments on areas of the training they found valuable or that they thought should be removed from the program were also sought with free-text comments.

**Data Analysis**

The primary analysis to evaluate the impact of training was between participant responses before training (T1) and immediately after training (T2).

The two groups of training participants (Group 1 [T1; immediate training group] and Group 2 [T1a; delayed training comparison group]) were compared at baseline (participant demographics and pre-training attitude and knowledge responses; T1 vs. T1a) and within Group 2 (comparison group; T1a and T1b). This analysis involved Pearson’s chi-square test for demographics, McNemar’s test for comparing knowledge responses, and Wilcoxon signed rank test for attitude comparisons.

Descriptive statistics were used to describe demographic characteristics of the participants, prior ACP experience, and the workshop evaluation. To compare knowledge and attitude change between pre- and post-training (T1 and T2), non-parametric analysis for matched pairs was conducted using McNemar’s chi-square tests for categorical data and Wilcoxon signed rank test for Likert scale data. The analysis was carried out using SPSS21 software, and p values lesser than 0.05 were indicative of statistical significance.

Study group (i.e., Group 1 = immediate training or Group 2 = delayed training) was included in a random-effects linear models analysis (Norman, 2010) to test a null hypothesis of no difference in responses between study groups (sensitivity analysis). The sensitivity analysis was conducted using Stata 13 software.

Responses to the open-ended questions were coded using constant comparative checking and comments placed into themes.

**Results**

A total of 11 workshops were delivered between October 2012 and April 2013 with 207 participants. The pre-training questionnaire was completed by 137 workshop participants; Group 1 = 81 and Group 2 = 56. Training evaluation data were missing/incomplete for 70 participants either because one of the questionnaires was not completed or both had not been completed due to age-related problems such as frailty, eyesight problems, or loss of fine motor skills. Nobody was excluded from participating in the workshop. Matched pre- and post-training questionnaires were completed by 132 workshop participants.

The baseline (T1 vs. T1a) comparison between Group 1 and Group 2 found four significant differences from a possible 45 variables compared; three related to prior experience with AHD’s: (i) Have you ever completed an AHD? (p=0.002); (ii) Have you or any of your family members completed an AHD? (p=0.000); (iii) Have you ever assisted someone else complete an AHD? (p=0.001), and the final variable related to a knowledge-based question; and (iv) an EPA formally names an individual or individuals to make medical decisions on a person’s behalf when he or she can no longer tell others what they want (p=0.017). The matched baseline comparison for Group 2 participants (T1a and T1b) found only one significant difference of a possible 37 variables: Have any of your family members completed an EPA? (p=0.029). The results of the random-effects linear models analysis also accepted the null hypothesis that there is no significant difference between
Group 1 and Group 2 (p=0.22; sensitivity analysis not presented in tables). The number of differences was considered to be minor, and therefore, Group 1 and Group 2 data were combined to evaluate the impact of the workshop.

The demographic characteristics of the 137 participants are provided in Table 1; the majority were female (70.0%), in a relationship (63.8%), and the mean age was 69.5 years (SD = 6.2; range = 60-87 years). As described above, there were no significant differences between participants in the two study groups (Table 1).

Prior to training, the majority of the participants had some awareness of ACP. Around two-thirds (68.5%) stated that they had heard of an AHD, and almost all were aware of an EPA (96.8%). About half of the participants (51.6%) were aware of Not for Resuscitation Orders, and only 21.0% were aware of Statutory Health Attorneys and 15.3% of Acute Resuscitation Plans.2

The participant’s previous experience of ACP prior to the workshop is presented in Table 2. More than half (57.8%) had read information about ACP, but only 6.0% had been to any courses or education sessions about ACP. Few participants had any prior experience of completing an AHD for themselves (27.6%) or others (12.6%). However, more than two-thirds had previously completed an EPA for themselves (67.5%). Significantly, only 16.5% of participants reported that a general practitioner (GP) or another health care provider had raised the issue of ACP with them. Participants stated that their major motivation to attend this workshop was to learn more about ACP (94.7%).

### Impact of Training on Knowledge of ACP

The study sought to assess change in participant’s knowledge about ACP after completing the workshop. Participants were asked to indicate whether 13 knowledge-based statements about ACP were true, false, or they were unsure before and after training (Table 3). After the training, the proportion of people who answered these questions about ACP correctly increased significantly for 12 of the 13 statements. This reflected an improved understanding of participants’ rights to be involved in decision making now and in the future and to change their mind about their wishes.

### Impact of Training on Attitudes to ACP

The participants were requested to indicate their level of agreement with 12 statements on a 7-point Likert-type scale (1 = strongly disagree and 7 = strongly agree) before and after training. Overall, four of the attitudinal statements changed significantly after training (Table 4). There was an
increase in those who disagreed that people in good health did not need an AHD, an increase in those who disagreed that if they put their wishes in writing they could not change their mind, an increase in those who agreed they would like to die peacefully and pain free even if their life would be shorter, and an increase in those who agreed their doctor should understand their wishes about life-sustaining treatment. At both time points, 50% to 60% of consumers agreed that (a) their family would understand and (b) abide by their wishes, and approximately 40% of consumers agreed that they could trust their doctor to abide by their wishes.

**Rating the Training**

In the post-training questionnaire, participants were asked to rate the training on a scale of 1 (very poor) to 7 (excellent).

**Table 2.** Prior Experience With Advance Care Planning (n = 137).

| Variable | Yes n (%) | No n (%) | Unsure n (%) |
|----------|-----------|----------|-------------|
| Have you ever completed an AHD for yourself? | 35 (27.6) | 87 (68.5) | 5 (3.9) |
| Have you ever completed an EPA for yourself? | 85 (67.5) | 38 (30.2) | 3 (2.4) |
| Have any of your family members completed an AHD? | 26 (20.6) | 79 (62.7) | 21 (16.7) |
| Have any of your family members completed an EPA? | 68 (54.4) | 40 (32.0) | 17 (13.6) |
| Have you ever assisted someone else to complete an AHD? | 16 (12.6) | 108 (85.0) | 3 (2.4) |
| Have you ever assisted someone else to complete an EPA? | 35 (28.0) | 89 (71.2) | 1 (0.8) |
| Have you ever cared for someone with an AHD? | 19 (15.0) | 105 (82.7) | 3 (2.4) |
| Have you ever cared for someone with an EPA? | 44 (34.6) | 82 (64.6) | 1 (0.8) |
| Have you ever been a patient in an intensive care unit? | 23 (18.4) | 99 (79.2) | 3 (2.4) |
| Have you ever had a family member as a patient in an intensive care unit? | 61 (48.0) | 61 (48.0) | 5 (3.9) |
| Has your GP or any other health care provider ever raised the issue of an AHD or EPA with you? | 21 (16.5) | 105 (82.7) | 1 (0.8) |

Note. AHD = Advance Health Directive; EPA = Enduring Power of Attorney; GP = general practitioner.

**Table 3.** Comparison of Knowledge About Advance Care Planning Pre- and Post-Training.

| Variable (n = 130) | Pre-training (T1) Correctly answered n (%) | Post-training (T2) Correctly answered n (%) | p valuea |
|-------------------|-------------------------------------------|------------------------------------------|---------|
| People have a right to accept or refuse medical or surgical treatment (True) | 117 (90.0) | 127 (98.7) | 0.006 |
| People have a right to accept or refuse artificial life-sustaining treatments such as nutrition and hydration (e.g., food through a tube;) (True) | 98 (75.4) | 122 (93.8) | 0.000 |
| People need a solicitor to complete a form giving directions about end-of-life or life-sustaining care (False) | 69 (53.1) | 98 (75.4) | 0.000 |
| If someone is in hospital and unable to express their wishes about medical treatment, more than one person can speak on his or her behalf (True) | 52 (40.0) | 94 (72.3) | 0.000 |
| An EPA formally names an individual or individuals to make medical decisions on a person’s behalf when he or she can no longer tell others what they want (True) | 95 (73.1) | 108 (83.1) | 0.066 |
| An AHD must always be witnessed by one of the following: a solicitor, Justice of the Peace, or Commissioner for Declarations (True) | 62 (47.7) | 124 (98.5) | 0.000 |
| An EPA must always be witnessed by one of the following: a solicitor, Justice of the Peace, or Commissioner for Declarations (True) | 98 (75.4) | 128 (98.5) | 0.000 |
| A person asked to be an EPA has to be above 18 years of age (True) | 101 (77.7) | 124 (95.4) | 0.000 |
| A person cannot change his or her mind after appointing an EPA (False) | 59 (45.4) | 73 (56.2) | 0.024 |
| An AHD must always be witnessed by one of the following: a solicitor, Justice of the Peace, or Commissioner for Declarations (True) | 106 (81.5) | 121 (93.1) | 0.004 |
| An EPA for personal and/or health care matters does not have control over financial or real estate transactions (True) | 108 (83.1) | 124 (95.4) | 0.000 |
| It costs money to complete an AHD or appoint an EPA (False) | 59 (45.4) | 90 (69.2) | 0.000 |

Note. EPA = Enduring Power of Attorney; AHD = Advance Health Directive.

aMcNemar’s test. p<0.05 indicates statistical significance.
Table 4. Comparison of Attitudes About Advance Care Planning Pre- and Post-Training.

| Variable (n = responded to question)                                                                 | Pre-training (T1) | Post-training (T2) | p valuea |
|---------------------------------------------------------------------------------------------------|-------------------|--------------------|----------|
| People in good health do not need to think about preparing an AHD (n = 126)                       | 2.2 (1.5)         | 1.5 (1.1)          | 0.000    |
| It is up to my doctor to decide if I should receive life-sustaining treatment if I cannot speak for myself (n = 125) | 2.2 (1.4)         | 2.0 (1.5)          | 0.052    |
| I do not trust the medical system to make decisions about my medical care if I should become unable to tell people my wishes (n = 125) | 4.1 (1.7)         | 4.2 (1.7)          | 0.602    |
| I believe that my wishes should determine what life-sustaining treatment I should receive (n = 125) | 6.1 (1.4)         | 6.2 (1.4)          | 0.198    |
| Putting my wishes for life-sustaining treatment in writing means I cannot change my mind (n = 124) | 2.8 (1.6)         | 1.9 (1.2)          | 0.000    |
| Discussing my wishes for life-sustaining treatment with my family would only lead to disagreement (n = 125) | 2.6 (1.6)         | 2.4 (1.5)          | 0.627    |
| My family understands my wishes about life-sustaining treatment (n = 125)                          | 5.1 (1.6)         | 5.0 (1.7)          | 0.704    |
| I prefer my family to decide what kind of medical care is best for me if I should become unable to tell others what I want (n = 125) | 3.8 (2.1)         | 3.5 (2.2)          | 0.300    |
| I can rely on my family to do what I want even if they do not all agree with my wishes (n = 125)   | 5.0 (1.7)         | 5.3 (1.7)          | 0.766    |
| My doctor clearly understands my wishes about life-sustaining treatment (n = 124)                  | 3.8 (1.8)         | 4.1 (1.8)          | 0.033    |
| I can trust my doctor to do what I want even if he or she does not agree with my wishes (n = 124) | 4.5 (1.6)         | 4.7 (1.8)          | 0.193    |
| I would like to die peacefully and pain free even if this means my life will be shorter (n = 122) | 5.5 (1.7)         | 6.2 (1.3)          | 0.000    |

Note. Lower scores indicate disagreement with statement and higher scores indicate agreement. AHD = advance health directive; EPA = Enduring Power of Attorney. SD = standard deviation.

*aWilcoxon signed rank test. p<0.05 indicates statistical significance.

Overall, the majority of participants rated the training as “excellent” (61.2%); 35.8% gave an overall rating of “very good,” 2.2% rated “good,” and one person rated “very poor.” All but one participant (n = 130/131) recommended that the training be made available to their family and friends. Participants were asked to rate various aspects of the training. Figure 1 shows the distribution of ratings. In all cases, the majority of participants agreed/strongly agreed with the statements regarding knowledge acquired, workshop presentation style, and level and accessibility of training information and venue.

The training areas that were identified as particularly good were the presentation style (particularly the use of humor)—“It was clear and humorous and neither condescending (older people are frequently talked down to) nor over our heads”—and the opportunity to reflect and ask questions. Overall, the responses were overwhelmingly positive about the content, format, and mode of presentation: “The quality of the presentation, the enthusiasm and knowledge of presenter and preparation that had gone into this presentation.” Many participants stated that the training gave them the information they needed to start the ACP process and/or review their current documentation: “Very well presented, no boring bits! Gave me more incentive to get my ACP underway.”

Participants identified that the most valuable aspects of the training were understanding the relationship between AHDs and EPAs, the legislation and documentation required, the importance of planning for the future while still well, and the need to regularly review and update an ACP: “Need to complete forms whilst you are fit and well enough to do it correctly.” They identified that discussions needed to occur before a health crisis with clear communication and full and open discussions with family members, friends, and even neighbors: “Importance of thinking ahead so as to relieve burden from family at time of grief.”

Participants were asked to identify areas of the training that could be improved or changed and most responded “nothing.” A few participants wanted the workshop to be shorter or longer, and several people commented that they had reached “absorption point!” by the end. A small number of participants requested that a summary be available to take away for further reflection or to share with others.

Discussion

A single-group workshop on ACP for people aged 60 years and older living in the community was developed and piloted over a 6-month period. The impact of the education was evaluated with pre- and post-questionnaires. The results of our study demonstrate that, overall, the ACP workshop was well received and successful in improving almost all assessed areas of participants’ knowledge, and some shifts in beliefs about ACP were demonstrated. We acknowledge that this
does not guarantee a consumer will complete an AHD, nor if they do does this guarantee that they will receive care as they directed.

Changes in participant’s knowledge and confidence in the ACP process after the workshop were overwhelmingly positive. The only area that did not change significantly was in relation to appointing an EPA, as participants had a better working knowledge of this process prior to attending the training.

Beliefs and attitudes are an important component to people engaging and participating in the ACP process. Attitudinal change toward ACP at an individual and societal level is important for ACP to gain momentum. While there were less significant changes in these statements at the completion of the workshop, most importantly, there was a positive shift toward recognizing the need for preparing an AHD while in good health and that ACP is a flexible and dynamic process that can be altered throughout life’s journey. We also found that most consumers agreed that their family and to a lesser extent their doctor would carry out their wishes. This finding is consistent with work by Alano et al. (2010) with participants stating that they were confident in family, nurses, and physicians abiding by their wishes. However, research by Sonnenblick, Friedlander, and Steinbert (1993) and Zweibel and Cassel (1989) suggests that this confidence is unfounded with discrepancies of up to 50% between patient decisions and their health care proxy. In another study, surrogate decision making about a patient’s end-of-life care was often inaccurate and biased by the surrogates own preferred treatment choices (Fagerlin, Ditto, Danks, Houts, & Smuker, 2001). The workshops did not specifically address this issue but did focus on the importance of choosing the right family member or significant other to be the legal guardian of health and finances. The workshop also highlighted that in Queensland the AHD is a legal document that by law has to be followed by both family members and health professionals.

Workshop participants were enthusiastic about ACP and motivated to remain independent. Acknowledging individual values and beliefs in relation to making decisions about health issues is a very personal and sensitive issue (Lambert et al., 2005), and recognizing participants lives and values was a constructive way to initiate discussions about ACP in the workshop (Lambert et al., 2005; Patel et al., 2004; Tulsky, Fischer, Rose, & Arnold, 1998). Working through these end-of-life issues with people who are independent and motivated to participate and who identify as having good health is recommended (Burge et al., 2013; Maxfield, Pohl, & Colling, 2003; Perkins, 2000; Swerissen & Duckett, 2014).

Figure 1. Agreement Rating with Statements about ACP Training.
Note. ACP = Advance Care Planning; AHD = Advance Health Directive; EPA = Enduring Power of Attorney.
The most valued aspects of the training were demystifying the legislation and documentation required in the process, the importance of undertaking the planning and communicating wishes while still identifying as being healthy and well, and the need to regularly review and update an ACP. There were no major suggestions from participants about improving the workshop though several people requested a written summary of the training.

The documents that are associated with ACP continue to be reported as a barrier to engagement (Porensky & Carpenter, 2008). Difficulties accessing, understanding, and completing the forms due to wide ranges in levels of literacy in our community have been a continuing theme reported in ACP research and our experience was no different (Cohen et al., 2010; Green & Levi, 2009; Perkins, 2000; Schickedanz et al., 2009; Sudore et al., 2008). A number of participants reported previously going to see a health professional to complete their ACP and being told “there was no time,” which is consistent with previous studies (Schickedanz et al., 2009; Scott et al., 2013). In an attempt to address this, each workshop participant was provided with the relevant ACP paperwork, was able to ask questions, and was guided to complete these forms during the workshop.

We found that older people were ready to discuss and engage in ACP education. Older people today are active information seekers and are reported to be more interested in autonomy than previous generations (Manafo & Wong, 2012). In addition, research has found that there is no correlation between being diagnosed with a life-limiting condition or being hospitalized and likelihood of completing an ACP (Alano et al., 2010; Perkins, 2000; Samsi & Manthorpe, 2011). Similarly in our study, while we did not look at ACP completion rates, we were overwhelmed with the number of independent consumers wanting to participate in the workshop, and despite extensive marketing and direct engagement with consumer health services and organizations, we did not receive any expressions of interest from these areas. The community need for this type of education is supported by the continuing requests for workshops still being made to the researchers 18 months after completion of this part of the project.

Our findings provide strong support for the value and effectiveness of providing single education sessions on ACP for large numbers of people living in the community with respect to engaging older people in conversations about ACP and increasing knowledge about the ACP process (Burge et al., 2013). While this provides information about readiness to change, it does not tell us about behavior change in terms of rates of ACP completion. This is the focus of a subsequent study. Older consumers have communicated their preferences for education to be delivered face to face (Brago et al., 2011; Brown et al., 2005), in a group setting (Burge et al., 2013; Cohen et al., 2010), and with a respected health professional (Morrison & Meier, 2004). In contrast, simply providing written information about ACP to this population has been shown to be relatively ineffective in terms of ACP completion rates (Brown et al., 2005; Ramsarapo et al., 2007). In addition, while researchers have proposed that having multiple ACP conversations with a health care professional is the most effective intervention to guarantee ACP completion (Alano et al., 2010; Bravo et al., 2008; Patel et al., 2004), multiple sessions are often difficult in terms of time and cost for both the health professional and older people and their families. In a comparison of three education strategies with a Veterans Affairs outpatient population (a group session, one individual session, or multiple individual sessions), Dipko et al. (2004) found that group education was twice as effective on AHD completion as a single session and just as effective as multiple sessions but less time-consuming. The authors concluded that group education was an effective and time- and cost-efficient tool for facilitating AHD completion among older people.

Due to the age of the participants and previous research indicating that older people prefer a relationship with educators involved in ACP (Alano et al., 2010; Bravo et al., 2008; Malcomson & Bisbee, 2009), recruitment, retention, and engagement of interested participants in our study had a targeted approach. Participants were phoned after submitting an expression of interest form by email, fax, or post. These follow-up calls were useful to establish a relationship and trust with participants (Hamel, Guse, Hawranik, & Bond, 2002). A direct number and email contact were also given to all participants should they have further questions about the project, the workshop, catering, or parking. A research assistant was available to speak with the participants in relation to the study and broader issues and was present at the training as a familiar person to welcome participants. Venues were appropriate for all levels of mobility, located close to public transport and provided ample car parking. These strategies were employed to ensure that participants remained engaged in the education and research, and it also led to enrollment of more participants in future workshops.

This study evaluated the immediate impact of the workshop; however, the overall goal of the training was that the improvement in the participant’s knowledge, confidence, and beliefs is translated into action in the form of establishing an advance care plan with their family and friends. These behavioral outcomes are being explored with a further questionnaire sent to participants 4 to 6 months after training. The results from this follow-up will be reported at a later date. It is also possible that the study only attracted participants who were motivated and willing to learn about ACP. We also had missing evaluation data for a third of participants who attended the workshops (n = 70/207) because they did not or were unable to complete one or both of the training questionnaires due to age-related problems. Therefore, the findings may not be generalizable to the wider community of people aged 60 years and above. Similar to previous ACP research, another limitation of this study is that there was little participation from people of diverse cultural and minority
backgrounds (Cohen et al., 2010), and this requires further work as these people may have specific health literacy needs. In addition, there is a need for health professionals to receive further information on ACP, end-of-life care, and training on engaging and working with health consumers (Kahana & Kahana, 2003), and consequently, we are piloting workshops for health professionals.

Acknowledging these limitations, this study has important implications for the future of ACP education for consumers above the age of 60 years who want to incorporate health planning into broader retirement planning and planning for frailty. There has been limited research on the knowledge and behavior of older people who have no imminent health or care decisions in relation to ACP. This study has successfully demonstrated that delivery of a 2.5-hr workshop is effective in improving knowledge, confidence, and beliefs about ACP, with little associated costs or resources required. Adult learning principles, together with facilitator authenticity, empathy, and respect for participant’s understanding and desire for knowledge, are important elements for successfully engaging older people in ACP education. Older people are empowered and motivated to remain autonomous about their health and well-being into the future and identify ACP as an appropriate intervention. The reluctance of people with acute health issues or receiving palliative care to engage in ACP is universal, and a paradigm shift in ACP education and target audience is required to ensure engagement.

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Notes

1. All Australian jurisdictions have advance care planning (ACP) regulatory and legislative frameworks in place; however, there is no national standard for ACP (Swerissen & Ducket, 2014).
2. Acute Resuscitation Plans replace the Not for Resuscitation Orders in Queensland, Australia.

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