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# Hope for the future: Identifying the individual difference characteristics of people who are interested in and intend to foster-care

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## **Abstract**

High-quality foster placements can help a foster-child to thrive and can counter some of the risk factors normally associated with being a foster-child. Unfortunately, demand for foster-carers has been outstripping supply. The present study sought to identify the characteristics of people who have high potential to become a foster-carer. A large, representative sample from the general population (544 male; 544 female; Mage = 40.8; SD = 13) completed an anonymous survey that included comprehensive measurement of demographics, personal resources (e.g. social support), personal characteristics (e.g. hope) and foster-care interest, intentions and information seeking. Analyses revealed that people who sought information about and expressed interest/intention towards foster-caring were those who had high social support from friends and were high in perspective-taking empathy, trait hope and positive problem-solving orientation. We discuss the implications of these findings for foster-care marketing and recruitment campaigns and foster-care agency practices.

## **Keywords**

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## Abstract

High quality foster placements can help a foster child to thrive and can counter some of the risk factors normally associated with being a foster child. Unfortunately, demand for foster carers has been outstripping supply. The present study sought to identify the characteristics of people who have high potential to become a foster carer. A large, representative sample from the general population (544 male; 544 female;  $M_{age} = 40.8$ ;  $SD = 13$ ) completed an anonymous survey that included comprehensive measurement of demographics, personal resources (e.g., social support), personal characteristics (e.g., hope), and foster care interest, intentions, and information seeking. Analyses revealed that people who sought information about and expressed interest/intention towards foster caring were those who had high social support from friends, and were high in perspective-taking empathy, trait hope, and positive problem-solving orientation. We discuss the implications of these findings for foster care marketing and recruitment campaigns and foster care agency practices.

Over the past decade, the number of children being removed from their biological parents and placed in foster care has increased in many countries around the world including England (Department for Children Schools and Families, 2009), Spain (del Valle, et al., 2009), Ireland (Department of Health and Children, 2009), Australia (Australian Institute of Health and Welfare, 2010) and the US (US Department of Health and Human Services, 2009). Simultaneously, global trends show that the number of foster carers is not sufficiently increasing to meet this demand (Brown, *et al.*, 2002; O'Brien, 2002; Siminski, *et al.*, 2005; Department of Families Housing Community Services and Indigenous Affairs, 2008). These developments have lead to the primary problem faced by many countries: There are not enough foster carers for children in need.

Many children who are removed from their families by government or court systems have been abused or neglected (Department of Children Schools and Families, 2009; Australian Institute of Health and Welfare, 2010; Department of Health Social Services and Public Safety, 2010) and are likely to suffer from physical and mental health problems during childhood (Taylor, et al., 2008). Longer-term, victims of child abuse or neglect are at greater risk of experiencing health issues including physical problems such as allergies, asthma, high blood pressure, ulcers, arthritis and bronchitis (Springer, et al., 2007), and mental problems such as depression, anxiety, suicidal tendencies, eating disorders, panic disorder, attention-deficit/hyperactivity disorder, posttraumatic stress disorder and reactive attachment disorder (Silverman, et al., 1996; Dube, et al., 2001; De Bellis, et al., 2003; Springer, et al., 2007; US Department of Health and Human Services, 2008).

Despite the risk factors faced by foster children, they can be countered by protective factors such as a harmonious family environment and positive parenting style (Heaven, et al., 2008a; Heaven, et al., 2008b; Bailey, et al., 2009). For children removed from their biological

families, these protective factors present themselves in the form of high quality foster placements. Foster care is a valuable opportunity for intervention and rehabilitation and nurturing and stable placements can increase the likelihood of children developing secure attachments (Smyke, et al., 2010), positively impact behavioural well-being and adaptive functioning (Rubin, et al., 2007; Bada, et al., 2008), produce improved health outcomes (Kessler, et al., 2008) and enhance academic and emotional development (Horwitz, et al., 2001; Fernandez, 2008).

What types of people are willing and able to provide foster care? The present paper examines the link between foster care interest/intention and a relatively comprehensive set of constructs focusing on demographics, environmental/personal resources, and personal characteristics, all chosen on the basis of hypotheses about their impact on foster care interests/intention. Demographics included marital status, gender, income, and other variables that research suggests is relevant to foster caring (Rodger, 2006; McHugh, et al., 2004a). Environmental/personal resources refer largely to peoples' level of social and emotional wellbeing, which theory suggests will help people to broaden and build harmonious social networks (Fredrickson, 2001).

Personal characteristics were selected based on past research related to foster caring (Buehler, et al., 2003) and Cloninger's theory of character (Cloninger, 2008; Colinger, Syrakick and Svrakic, 1997). Specifically, we focused on markers of self-directedness (e.g., hope and problem solving efficacy), cooperativeness (e.g., empathy), and transcendence (e.g., religious faith). We hypothesise that individuals show more interest and intention towards foster caring if they have high personal resources, high self-directedness, and high empathy.

**What might lead people to foster care?**

There are many reasons why people may foster care, including reasons which are somewhat random (e.g., starting to care for a friend or relative's child) or not based exclusively in the children's welfare (e.g., financial). However, we suggest that in addition to these factors, there are other factors that are likely to be less random and are likely to be of benefit to the welfare of the child. We focus on these in the present paper.

*Adequate social support.* Social support acts as a coping resource, helping people deal effectively with stressful life events (Wilcox, 1981; Sarason, et al., 1985; Zimet, et al., 1988). Therefore, we expect that people are more likely to foster care if they have positive support from friends, family, and significant others.

*High Life satisfaction.* Life satisfaction and positive emotions suggest to an individual that goals are being met, and resources are adequate (Lyubormirsky, et al., 2005). Fredrickson (2001) suggests that happy people are ideally suited to "broaden and build". That is, such people seek to expand their resources and friendships, and may be more likely to seek new goals. They are also more likely to engage in prosocial behaviour (Lyubormirsky, et al., 2005). We hypothesise that people highly satisfied with their life are those most likely to consider taking on the challenging goal of foster caring.

*High Hope.* Snyder (2000a, p. 8) defined hope as 'a positive motivational state that is based on an interactively derived sense of successful (a) agency (goal-directed energy) and (b) pathways (planning to meet goals)' (Snyder, 2000). Hope encompasses the ability to generate and implement plans for the future (Bailey, et al., 2007). High hope individuals have a generalised expectancy of success such that any blockage of goals is viewed as temporary because new paths to achieve goals are often easily developed (Cheaens, 2000). High-hope individuals have the skills to cope more effectively with barriers to the achievement of goals and demonstrate high levels of competence across a range of human endeavour (Snyder, et

al., 2002; Ciarrochi, et al., 2007). We expect that people with high Hope will feel more up to the challenges of foster caring and will thus express more interest and intention to foster care.

*Low negative problem solving orientation.* Negative problem orientation is the extent to which people do not believe they can effectively cope with a wide range of problems, reacting to problems as if they were threats rather than challenges and avoiding rather than approaching problem-solving activities (D'Zurilla, et al., 1999; Frauenknecht, et al., 2004). Given that raising a foster child is likely to involve obstacles and distress, we expect that people with a negative problem orientation will feel less capable of foster caring and therefore show less interest in the role.

*High Empathy.* Empathy is important in the development of friendships, intimate relationships, and family relationships, and relates to helping behaviour, lower levels of antisocial behaviour, and lower prejudice (Davis, 1983; Jolliffe, et al., 2004; Jolliffe, et al., 2006; Albiero, et al., 2009). McHugh et al. (2004b) found that motivations for fostering were primarily related to outcomes for the children, for example making a positive difference in children's lives. This suggests that foster carers will be those with the highest empathy for children. However, it should be noted that empathy by itself is unlikely to be sufficient to be a good carer because empathy does not necessarily equate to having a good understanding of someone else's perceptions, feelings, and motivations.

*Religious Faith.* People with religious faith may be more likely to foster for at least two reasons. First, as part of a religion, they may have access to more social support (minister, priest, fellow members of their church). Second, they may engage in foster care in order to express their religious values (Goughler, et al., 2005) .

*Demographic variables.* Demographic variables such as marital status, income, and education may play a critical role in foster caring. Jarmon and colleagues (2000) report that

one reason people engage in foster care is for the monetary allowance received. In the present context, we are interested in not only what demographics are important, but also the extent to which individual characteristics are moderated by demographics. For example, empathy may be associated with higher intention to foster only amongst certain demographics, such as individuals who are married or wealthy. We explored the hypothesis that demographics would moderate the relationship between individual characteristics and foster caring interest and intention.

### **Participants and procedure.**

The sample of 1098 (544 male; 544 female;  $M_{\text{age}} = 40.8$ ;  $SD = 13$ ) adults was recruited through an online research panel which includes nationally representative sample of the Australian population. Past research suggests that both conventional mail surveys and online surveys are prone to a slight bias (presumably because certain people never respond to mail surveys and certain people never do online surveys), but the deviation from the census pattern is not higher for online surveys than for conventional mail surveys (Dolnicar, Laesser, & Matus, 2009). Panel members are recruited through multiple avenues including online, through newspaper advertisements, and in shopping centres. They receive a small monetary compensation upon completion of the questionnaire. We screened potential participants for membership across a number of dimensions (e.g., state of residence, sex, age, education, employment) with a view of having respondents match as closely as possible the proportions present in the Australian population, as listed by the Australian Bureau of Statistics. Individuals were included if they were not currently, nor had ever been, a foster carer. The online survey required that participants answer every question. Consequently, there was no missing data. All responses were anonymous.

### **Measures**



### *Environmental/Personal resources*

*Social support.* We utilised the multidimensional scale of perceived social support (Zimet, et al., 1988). Participants rated 12 statements on a seven point scale ranging from strongly disagree (1) to strongly agree (7). The scale contains three subscales: social support from family (“My family really tries to help me”  $\alpha = .93$ ), friends (“I have friends with whom I can share my joys and sorrows”  $\alpha = .93$ ), and significant others (“There is a special person who is around when I am in need”,  $\alpha = .96$ ).

*Perceived wealth.* Participants were asked two questions regarding wealth. Firstly, whether they thought their family was: very poor (1), quite poor (2), neither rich nor poor (3), well off (4), or rich (5). Secondly, how happy they were with their family’s financial position, ranging from very unhappy (1) to very happy (5). The two scales were moderately correlated ( $r = .56$ ) and were combined to form a moderately reliable scale ( $\alpha = .68$ ).

*The Life Satisfaction Scale.* Participants rated the extent to which they agree (1) or disagree (7) with five statements relating to life satisfaction (“In most ways my life is close to my ideal;”  $\alpha = .90$ ) (Diener, et al., 1985). The scale is well-validated and often used (see for review Diener, et al., 1999). The measure has been shown to be useful across cultures, and to correlate with theoretically relevant variables such as positive temperament, adaptive coping, social support, and ability to achieve valued goals (Diener, et al., 1999).

*Relationship Quality Scale.* This scale measures individuals’ evaluations of their relationship satisfaction, commitment, intimacy, trust, passion, and love (Grigg, et al., 1989; Fletcher, et al., 2000). Six items (e.g. “How satisfied are you with your relationship?”) are rated on a scale ranging from not at all (1) to extremely (7). Cronbach’s alpha was .89.

### *Personal Characteristics*

*Hope.* The hope questionnaire consisted of four items that measured pathways thinking (e.g. “I can think of many ways to get out of a jam;” alpha = .76) and four items measuring agency thinking (“I energetically pursue my goals;” alpha = .76) (Snyder 2000). The total scale had an alpha of .85. Items are rated on a four point scale ranging from definitely false (1) to definitely true (4).

*Problem solving orientation.* The nine-item Problem Orientation Scale consists of three 3-item subscales that evaluate cognitive, emotional, and behavioural aspects of problem orientation (Frauenknecht, et al., 1995). Participants used a 5-point rating scale ranging from 0 to 4, with high scores indicating a propensity toward negative problem orientation and an avoidance of problems. The instrument has good discriminant, convergent, and predictive validity (Frauenknecht, et al., 1995; Ciarrochi, et al., 2003; Ciarrochi, et al., 2006; Ciarrochi, et al., 2009). For example, negative problem orientation can predict increasing fear and sadness, even after controlling for baseline fear and sadness (Ciarrochi et al., 2009; Ciarrochi & Scott, 2006). This scale had an alpha of .86.

*Empathy.* We utilised the Basic Empathy Scale (Jolliffe, et al., 2006) which consists of two subscales: affective empathy (“after being with a friend who feels sad about something, I usually feel sad”; 11-items; alpha =.77) and cognitive empathy (“When someone is feeling ‘down’, I can usually understand how they feel”; 9 items; alpha = .82). Past research has established the factorial validity of the scale, and demonstrated that it relates in expected ways to other measures of empathy and personality (Jolliffe & Farrington 2006).

*Religious faith.* People were said to have “religious faith” if they belonged to a religion and believed in God. We also had them identify their denomination. Those who had

religious faith also rated the statement “Religion plays an important role in my life”, on a scale ranging from strongly disagree (1) to strongly to agree (5).

### *Demographics*

Participants provided demographic details including sex (male, female) and date of birth (typed into open fields). Participants indicated their marital status (five options: single, living with a partner, married, separated/divorced, widowed, other); education level (eight options: some secondary school, school certificate (year 10), higher school certificate (year 12), vocational college, other college, university (undergraduate), university (postgraduate), other); employment status (seven options: employed full-time, employed part-time, employed casually, unemployed, retired, full-time student, other); and whether they had children (yes, no). They also indicated their personal income before tax (seven options: under \$20,000, \$20,000-40,000, \$40,001-60,000, \$60,001-80,000, \$80,001-\$100,000, \$100,001-150,000, over \$150,000) and their gross weekly household income before tax (eight options: \$0-\$249; \$250-\$499; \$500-\$799; \$800-\$1199; \$1200-\$1699; \$1700-\$2499; \$2500 or more). These response formats were determined following a review of the Australian Bureau of Statistics answer formats for similar questions, and then pre-testing the questionnaire to ensure the answer formats captured participants’ intended meaning.

### *Foster care interest and intention.*

We included one behavioural and one self-report measure of foster care *interest*. The behavioural measure asked participants “Would you like to receive information about becoming a foster carer? If you would, please enter your email address in the field below.” Participants were told that if they entered their email address, they would be sent information about foster care. The self-report item asked participants a yes/no question: “Would you

consider becoming a foster carer in the future?”. If participants answered “yes” to this question, they were administered the foster carer intention measure.

Participants answered 10 *intention* questions on a four point scale (1: yes, within the next 12 months; 2: Yes, within the next five years; 3: Yes, at some point beyond five years; 4: no). Example questions included “Do you intend to take on foster children for a few weeks or months at a time (short-term care)?” “Do you intend to undergo training to become a foster carer?”, and “Do you intend to discuss becoming a foster carer with your family and/or friends?”. Responses to these 10 items were highly homogenous ( $\text{Alpha} = .95$ ), and so were combined to form a single intentions scale and reversed so that higher scores indicated higher intentions.

## **Results**

The interrelations between the individual characteristic variables are presented in Table 1. Pearson correlations are reported for all variables except the dichotomous faith variable, for which we report nonparametric spearman correlations. Generally the variables showed positive manifold, indicating that more positivity on one variable was moderately associated with more positivity on the other variables. Faith was an exception to this, with it having only small correlations with all variables. We next examined the link between these variables and foster care interest . The numbers in Table 2 represent the score for that particular group on the personal resource or characteristic scale. For example, people who requested information about foster caring had higher hope (35.5) than people who did not request information (29.3). Table 2 illustrates that people who expressed interest in foster caring (in both self-report and behaviour) had more social support from friends and significant others, higher perspective taking empathy, higher trait hope, and less ineffective problem solving orientation. In general, the personal characteristic effects (especially related

to hope, empathy, and problem solving) appeared larger than the environmental/personal resources effects. Generally, the two interest measures were in agreement, with the exception of social support from family (significant in self-report but not behaviour), perceived wealth (significant in self-report but not behaviour), relationship quality (significant in behaviour but not self report), and empathy-affective (significant in behaviour but not self-report). These differences tended to be small.

Chi-square analysis indicated that the two measures of foster care interest were moderate to highly related,  $\chi^2(1; N = 1098) = 228, p < .0001, r = .46$ . Thus, for all future analysis, these scales were combined to form a single measure of foster care interest. We examined the two variables separately for all analyses and found no significant differences.

Table 3 presents the correlations between our key study variables and the two main foster caring variables – interest and intention. All relationships were in the expected direction, with higher resources and positive characteristics being associated with higher interest and intention. The relationships involving environmental and personal resources would generally be considered small, as would the links involving empathy-affective response, ineffective problem solving orientation, and religious faith (Hemphill, 2003). Social support from friends produced the largest relationships amongst environmental/personal resources. The largest effects overall occurred for trait hope and empathy-perspective taking, with correlations considered to be in the moderate range (Hemphill, 2003). We also examined differences between religious denomination and found no significant differences after correcting for Type I error, all  $p$ 's  $> .01$ . This result should be interpreted with caution as some of the denominations (e.g., Hinduism, Islam) had small sample sizes (under 12 participants).

We next investigated the link between demographic variables and the foster care variables. We conducted General Linear Model univariate analysis with each foster care variable as the dependent variable and each demographic variable as the independent variable. Concerning foster care interest, there were no effects involving sex, the presence of children, educational status, or income. There was an effect involving age,  $F(4,1093) = 10.06$ ,  $p < .001$ ,  $\eta^2 = .036$ . Bonferroni corrected post-hoc contrasts revealed that the oldest age group (55-64) tended to express lower interest in fostering ( $M = .70$ ,  $SE = .036$ ) than did the other groups ( $M_{18-24} = .86$ ,  $SE = .03$ ;  $M_{25-34} = .92$ ,  $SE = .025$ ;  $M_{35-44} = .86$ ,  $SE = .024$ ;  $M_{44-54} = .82$ ,  $SE = .026$ ),  $ts > 2$ ,  $ps < .05$ . The second youngest group (25-34) had the highest interest, and significantly higher interest than the two oldest groups,  $ts > 2$ ,  $ps < .05$ .

There was also an effect of employment status on interest,  $F(6, 1091) = 3.3$ ,  $\eta^2 = .018$ , with Bonferroni-correct contrasts revealing that the retired group was less likely to be interested in foster caring ( $M = .70$ ,  $SE = .034$ ) than those who worked full-time ( $M = .85$ ,  $SE = .02$ ), part-time ( $M = .86$ ,  $SE = .03$ ), and unemployed but looking for work ( $M = .88$ ,  $SE = .04$ ),  $ts > 2$ ,  $ps < .05$ . There was a small effect of marital status  $F(4, 1093) = 2.8$ ,  $\eta^2 = .01$ , with widowed people having a higher mean interest than the other groups (though none of the contrasts reached statistical significance using the Bonferroni correction).

Next, we examined the influence of demographic variables on intention to foster care (which was collected only for the subset of people who expressed interest,  $N = 499$ ). There was a significant effect of marital status,  $F(4,494) = 4.5$ ,  $p < .05$ ,  $\eta^2 = .035$ , with Bonferroni-corrected contrasts revealing that widowed individuals ( $M = 3.1$ ,  $SE = .26$ ) expressed greater intention to foster care than those who had never been married ( $M = 2.1$ ,  $SE = .05$ ), married ( $M = 2.2$ ,  $SE = .05$ ), and divorced ( $M = 2.2$ ,  $SE = .13$ ). There was also an effect of educational status,  $F(7,491) = 2.4$ ,  $\eta^2 = .033$ , with individuals who finished grade 10 (Aged

15 to 16;  $M = 2.4$ ,  $SE = .076$ ) expressing higher intentions than those who completed a bachelors degree ( $M = 2.0$ ,  $SE = .08$ ).

Our final analysis examined the unique contribution of the resource and characteristic variables on foster care interest and intention. GLM Univariate analyses were used and a stepwise procedure identified the best subset of variables. Step 1 involved forcing all demographics variables into the model, so that these variables were controlled for in all further analysis. Then we used a standard stepwise procedure in which the resource and character variable with the smallest probability of F is entered if the value is smaller than .05. All variables in the equation are again examined for removal and are removed if the p value is greater than .1. This process is repeated until no variables in the equation can be removed and no variables not in the equation are eligible for entry (Kleinbaum, et al., 1988). We also examined the interaction between the demographic variables and each individual characteristic variables, following Aiken and West's (1991) procedure.

The analyses revealed no significant interactions involving individual characteristics and demographics. Both analyses identified two unique predictors. After controlling for demographics, trait hope ( $\beta = .19$ ,  $t(1,1072) = 6.0$ ,  $p < .001$ ) and Empathy-perspective taking ( $\beta = .14$ ,  $t(1,1072) = 4.6$ ,  $p < .001$ ) significantly predicted foster care interest,  $R^2 = .14$ , and Trait hope ( $\beta = .21$ ,  $t(1, 473) = 4.7$ ,  $p < .001$ ) and Empathy-affective responses ( $\beta = .10$ ,  $t(1, 473) = 2.2$ ,  $p < .05$ ) predicted intentions to foster care,  $R^2 = .13$ .

## **Discussion**

The present study involved a large, representative sample from the general population and examined a broad range of factors hypothesised to be associated with foster care interest and intention. We focused on variables related to environmental resources and personal

characteristics and found that the most important environmental resource was social support from friends, rather than from family or significant others. The most important personal characteristics included perspective taking empathy, trait hope, and effective problem solving orientation. Regression analyses suggested that when hope was covaried, both problem solving and social support were no longer significant.

Most studies of foster care focus on the children themselves – for example their emotional and mental problems (Leslie, et al., 2005b; Vig, et al., 2005), the impact of these on short- and long-term development (Leslie, et al., 2005a; Pears, et al., 2005) and outcomes for children (Rodger, 2006; Fowler, et al., 2009). Less attention has been paid to those individuals who are prepared to care for these children. Particularly lacking is scientific evidence regarding the psychological characteristics of people who consider becoming foster carers and, importantly, the types of people who turn out to be very good at it.

Attempts to profile foster carers are usually based on the socio-demographic characteristics of those who have already made the decision to become carers. In Canada, carers are more likely to be married, Caucasian and have one person in the household in paid employment (Rodger, 2006). In Australia, they are more likely to be female, between the ages of 35-54, earn a mid-range income and have no post-school education (McHugh, et al., 2004a). Our study found an effect involving age, with the younger age groups indicating significantly higher interest than the older groups. A consistent effect was also found in relation to employment status, with retired people less likely to show an interest/intention to foster care than those in part- or full-time employment. These results are possibly due to the fact that we measured general interest in foster caring which did not specify a timeframe in which one would commence. It is possible that the weighty decision to become a foster carer could be considered for years if not decades before those with an interest actually commence



caring, which would explain the differences in age results for samples who are already caring and those who would consider it in future. The finding that those interested in foster care are more likely to have no post-school education is consistent with previous studies of actual carers (McHugh, et al., 2004a).

In terms of the environmental and personal resources of foster carers, our finding that social support showed the strongest effect in relation to interest/intention is consistent with that of Denby, Rindfleisch and Bean (1999) who found that intention of current carers to continue fostering was predicted by the opportunity to share experiences with other foster carers. Interestingly, we found that support from friends was more reliably linked to foster care intentions than support from family or significant other. We speculate that supportive friends may be best able to support the foster carer both emotionally and in problem solving (Sarason, et al., 1986; Furukawa, et al., 1998). However, it is also possible that people have supportive friends because they are empathic, and it is empathy that is the key determinant for foster caring intentions. Future research is needed to identify the type of support that friends provide foster carers, and whether it is this support per se that is of benefit. Perhaps the subject of least previous investigation is the personal characteristics of those more inclined to foster, and the implications of this for marketing communications and recruitment strategies. Some insight is gained from studies of motivations, which suggest that individuals foster care because of altruistic reasons such as wanting to make a difference for a disadvantaged child (Buehler, et al., 2003). This implies that carers have empathy for foster children. However, no studies have attempted to explicitly measure this quality in individuals and relate it to the likelihood of that person commencing and continuing foster caring.

Our research showed that cognitive empathy (related to perspective taking) is more reliably related to foster care interest and intention than is affective empathy. It appears more

important for potential carers to be able to see from the perspective of the foster child than to be able to feel the same affect as the child. Cognitive empathy may be more stable than affective empathy, and therefore more likely to relate to major life decisions such as foster caring. Future research should examine this.

Finally, one of the most reliable predictors of intention and interest in foster caring was hope: people who believed they could achieve their life goals were more likely to request information about and express interest in foster caring. Such people energetically pursue their goals and find many pathways to success (Snyder, et al., 2002). Our regression analyses suggested that when hope entered the model to predict foster care interest and intention, both problem solving orientation and social support were no longer significant. This does not necessarily suggest that the latter two variables are unimportant. It is consistent with the notion that being good at problem solving and having supportive friends leads to greater hope and that greater hope leads to higher intention to foster care. Future research could examine this hypothesis in a longitudinal context.

The present findings have some limitations. First, although we found little relationship between religious faith and foster intention, we did not have sufficient power to detect whether there were differences based on denomination. Future research should seek to systematically sample people from different religions and examine their intentions. Second, we measured foster care intention and information seeking, but we can not be certain that these behaviors translate into people becoming a foster carer. Future research is needed to examine the link between foster care intention, information seeking, and behavioural commitment to becoming a foster carer

The present findings have important practical implications. Firstly, they provide guidance as to the marketing communications messages that are likely to be motivating for

those who already have an interest in foster caring. These communications might focus on eliciting more cognitive forms of empathy (e.g. perspective of the child), rather than focusing exclusively on getting people to *feel* what the child feels (affective empathy). Marketing communications could also highlight how friends can be a helpful source of support with foster children, and emphasise that the foster carer is not alone in their role. Finally, marketing communications should specifically target individuals who are high in trait hope and believe they are good at problem solving and achieving goals. This can be done by highlighting how the high hope person's skill set would make them excellent foster carers.

Table 1. The relationship between environmental/personal resources and individual character

Environmental/ personal resources	1	2	3	4	5	6	7	8	9	10	11
1. Social sup. friends	1.00	0.56**	0.52**	0.26**	0.29**	0.44**	0.20**	0.35**	0.40**	-0.33**	0.06*
2. Social sup. family		1.00	0.58**	0.27**	0.42**	0.50**	0.13**	0.20**	0.37**	-0.29**	0.08*
3. Social sup sig oth			1.00	0.22**	0.56**	0.47**	0.16**	0.24**	0.33**	-0.29**	0.00
4. Perceived wealth				1.00	0.25**	0.48**	0.07*	0.16**	0.32**	-0.27**	.04
5. Relationship Qual					1.00	0.44**	.02	0.20**	0.35**	-0.34**	.05
6. Life satisfaction						1.00	.05	0.19**	0.52**	-0.35**	.06
Personal characteristics											
7. Empathy- affect							1.00	0.33**	-.06	0.06*	0.10**
8. Empathy-perspect.								1.00	0.40**	-0.41**	.01
9. Trait Hope									1.00	-.60**	-.01
10. Ineffective Orien										1.00	.07*
11. Religious Faith											1.00

\* $p < .05$ , \*\* $p < .01$ .

Note: N= 1098 for all variables except relationship quality (N=778).

*Table 2: The relationship between environmental/personal resources, individual character, and interest in becoming a foster carer (N = 1098)*

	Requested information about foster Caring <sup>#</sup>			Would consider foster caring in future		
	Yes	No	<i>F</i>	Yes	No	<i>F</i>
Environmental/ personal resources	<i>n</i> = 868	<i>n</i> = 230		<i>n</i> = 499	<i>n</i> = 599	
Social supp friends	22.51	21.37	9.4**	22.36	20.99	20.6***
Social supp family	22.01	21.71	0.6	22.26	21.37	7.8**
Social supp significant other	23.54	22.59	5.0*	23.32	22.34	8.0**
Perceived wealth	6.31	6.33	0.1	6.43	6.25	5.8*
Relationship Quality	23.06	22.42	4.6*	29.58	28.85	3.1
Life satisfaction	22.51	21.37	1.7	23.37	21.87	14.2***
Personal characteristics						
Empathy- affective response	38.20	37.27	4.6*	37.74	37.23	2.0
Empathy-perspective taking	36.27	34.14	34.1***	35.60	33.75	38.9***
Trait Hope	35.50	33.73	29.3***	35.20	33.18	59.1***
Ineffective Prob. Solving Orientation	18.70	20.33	10.9***	19.04	20.79	18.9***
Religious Faith	.53	.54	0.06	.55	.53	0.2

\* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$

# Participants were asked to specify their email address if they wanted to receive information about foster caring;  $N = 1098$ .

Table 3: Correlations between environmental/personal resources, personal characteristics, and foster care interest and intention

	Foster Care interest	Intention to foster care
Environmental/ personal resources		
Social supp friends	.14***	.16***
Social supp family	.07*	.08
Social supp significant other	.09**	.08
Perceived wealth	.04	.00
Relationship Quality	.08*	.05
Life satisfaction	.09**	.12**
Personal characteristics		
Empathy- affective response	.06*	.06
Empathy-perspective taking	.21***	.10*
Trait Hope	.23***	.21***
Ineffective Prob. Solving Orientation	-.14***	-.17***
Religious Faith	.01	.11*

\* $p < .05$ ; \*\* $p < .01$ ; \*\*\* $p < .001$

## References

Aiken, L. and West, S. (1991) *Multiple Regression: Testing and Interpreting Interactions*, Newbury Park, London: Sage Publications.

Albiero, P., Matricardi, G., Speltri, D. and Toso, D. (2009) 'The assessment of empathy in adolescence: A contribution to the Italian validation of the "Basic Empathy Scale"', *Journal of Adolescence* **32**: 393-408.

Australian Institute of Health and Welfare (2010) 'Child Protection Australia 2008-09' *Child Welfare Series no. 47. Cat. no. CWS 35*, Canberra: AIHW.

Bada, H. S., Langer, J., Twomey, J., Bursi, C., Lagasse, L., Bauer, C. R., Shankaran, S., Lester, B. M., Higgins, R. and Maza, P. L. (2008) 'Importance of Stability of Early Living Arrangements on Behaviour Outcomes of Children With and Without Prenatal Drug Exposure', *Journal of Developmental and Behavioural Pediatrics* **29**(3): 173-182.

Bailey, J., Hill, K., Oesterle, S. and Hawkins, J. (2009) 'Parenting practices and problem behavior across three generations: Monitoring, harsh discipline, and drug use in the intergenerational transmission of externalizing behavior', *Developmental Psychology* **45**: 1214-1226.

Bailey, T., Eng, W., Frisch, M. and Snyder, C. (2007) 'Hope and optimism as related to life satisfaction', *Journal of Positive Psychology* **2**(3): 168-175.

Brown, S., Cohon, D. and Wheeler, R. (2002) 'African American Extended Families and Kinship Care: How Relevant is the Foster Care Model for Kinship Care?', *Children and Youth Services Review* **24**(1/2): 53-77.

Buehler, C., Cox, M. E. and Cuddeback, G. (2003) 'Foster Parents' Perceptions of Factors that Promote or Inhibit Successful Fostering', *Qualitative Social Work* **2**(1): 61-83.

Cheaens, J. (2000) 'Light through the shadows', in C. R. Snyder (ed) *Handbook of hope: Theory, measures, and applications*, San Diego: Academic Press.

Ciarrochi, J., Heaven, P. C. and Davies, F. (2007) 'The impact of hope, self-esteem, and attributional style on adolescents' school grades and emotional well-being: A longitudinal study', *Journal of Research in Personality* **41**: 1161-1178.

Ciarrochi, J., Leeson, P. and Heaven, P. C. L. (2009) 'A longitudinal study into the interplay between problem orientation and adolescent well-being', *Journal of Counseling Psychology* **56**: 441-449.

Ciarrochi, J. and Scott, G. (2006) 'The link between emotional competence and well-being: A longitudinal study', *British Journal of Guidance & Counselling* **34**(2): 231-243.

Ciarrochi, J., Scott, G., Deane, F. P. and Heaven, P. C. (2003) 'Relations between social and emotional competence and mental health: A construct validation study', *Personality and Individual Differences* **35**(8): 1947-1963.

Dolnicar, S., Laesser, C. & Matus, K. (2009) Online Versus Paper - Format Effects in Tourism Surveys. *Journal of Travel Research*, *47*(3): 295-316.

D'Zurilla, T. J., Chang, E. C. and Sanna, L. J. (2004) 'Social Problem Solving: Current Status and Future Directions', in C. Chang, T. J. D'Zurilla and L. J. Sanna (eds), Washington DC: American Psychological Association.



- Davis, M. (1983) 'Measuring individual differences in empathy: Evidence for a multidimensional approach', *Journal of Personality and Social Psychology* **44**: 113-126.
- De Bellis, M. and Thomas, L. (2003) 'Biological findings of post-traumatic stress disorder and child maltreatment', *Current Psychiatry Reports* **5**: 108-117.
- del Valle, J. F., Lopez, M., Montserrat, C. and Bravo, A. (2009) 'Twenty Years of Foster Care in Spain: Profiles, Patterns and Outcomes', *Children and Youth Services Review* **31**(8): 847-853.
- Denby, R., Rindfleisch, N. and Bean, G. (1999) 'Predictions of Foster Parents' Satisfaction and Intent to Continue to Foster', *Child Abuse and Neglect* **23**(3): 287-303.
- Department for Children Schools and Families (2009) 'Statistical First Release 25/2009', Vol. 2010.
- Department of Children Schools and Families (2009) 'Children Looked After in England (including adoption and care leavers) Year Ending 31 March 2009', Vol. 2010, London.
- Department of Families Housing Community Services and Indigenous Affairs (2008) 'Australia's Children: Safe and Well: A National Framework for Protecting Australia's Children', Vol. 2010.
- Department of Health and Children (2009) 'Health in Ireland: Key Trends', Vol. 2010.
- Department of Health Social Services and Public Safety (2010) 'Children Order Statistical Trends for Northern Ireland 2003/04 to 2008/09', Vol. 2010, Belfast: Northern Ireland Statistics and Research Agency.

- Diener, E., Emmons, R. A., Larsen, R. J. and Griffin, S. (1985) 'The Satisfaction With Life Scale', *Journal of Personality Assessment* **49**(1): 71-75.
- Diener, E., Suh, E. M., Lucas, R. E. and Smith, H. L. (1999) 'Subjective well-being: Three decades of progress', *Psychological Bulletin* **125**(2): 276-302.
- Dube, S., Anda, R., Felitti, V., Chapman, D., Williamson, D. and Giles, W. (2001) 'Childhood abuse, household dysfunction, and the risk of attempted suicide throughout the life span: Findings from the adverse childhood experiences study', *Journal of the American Medical Association* **286**: 3089-3096.
- Fernandez, E. (2008) 'Unravelling Emotional, Behavioural and Educational Outcomes in a Longitudinal Study of Children in Foster-Care', *British Journal of Social Work* **38**(7): 1283-1301.
- Fletcher, G. J., Simpson, J. A. and Thomas, G. (2000) 'The measurement of perceived relationship quality components: A confirmatory factor analytic approach', *Personality and Social Psychology Bulletin*, **26**: 340-354.
- Fowler, P. J., Toro, P. A. and Miles, B. W. (2009) 'Pathways to and From Homelessness and Associated Psychosocial Outcomes Among Adolescents Leaving the Foster Care System', *American Journal of Public Health* **99**(8): 1453-1458.
- Frauenknecht, M. and Black, D. R. (1995) 'Social Problem-Solving Inventory for Adolescents (SPSI-A): Development and preliminary psychometric evaluation', *Journal of Personality Assessment* **64**(3): 522-539.

Frauenknecht, M. and Black, D. R. (2004) 'Problem-Solving Training for Children and Adolescents', in E. C. Chang, T. J. D'Zurilla and L. J. Sanna (eds) *Social problem solving: Theory, research, and training*, Washington, DC: American Psychological Association.

Fredrickson, B. L. (2001) 'The role of positive emotions in positive psychology: The broaden-and-build theory of positive emotions', *American Psychologist* **56**(3): 218-226.

Furukawa, T., Sarason, I. G. and Sarason, B. R. (1998) 'Social support and adjustment to a novel social environment', *International Journal of Social Psychiatry* **44**(1): 56-70.

Goughler, D. and Annette, C. (2005) 'Unretired and better than ever. Older adults as foster parents for children', *Families in Society* **86**: 393-400.

Grigg, F., Fletcher, G. J. and Fitness, J. (1989) 'Spontaneous attributions in happy and unhappy dating relationships', *Journal of social and personal relationships* **6**: 61-68.

Heaven, P. C. L. and Ciarrochi, J. (2008a) 'Parental styles, conscientiousness, and academic performance in high school: A three-wave longitudinal study', *Personality and Social Psychology Bulletin* **34**: 451-461.

Heaven, P. C. L. and Ciarrochi, J. (2008b) 'Parental styles, gender, and the development of hope and self esteem', *European Journal of Personality* **22**: 1-18.

Hemphill, J. (2003) 'Interpreting the magnitudes of correlation coefficients', *American Psychologist* **58**(1): 78-80.

Horwitz, S. M., Balestracci, K. M. B. and Simms, M. D. (2001) 'Foster Care Placement Improves Children's Functioning', *Archives of Pediatrics and Adolescent Medicine* **155**(11).

Jarmon, B. J., Mathiesen, S., Clarke, L., McCulloch, E. and Lazear, K. (2000) 'Foster Care Recruitment and Retention Perspectives of Stakeholders on the Critical Factors Affecting Recruitment and Retention of Foster Parents. ', Tallahassee, FL: State of Florida Department of Children and Families and the Lawton and Rhea Chiles Center for Healthy Mothers and Babies.

Jolliffe, D. and Farrington, D. (2004) 'Empathy and offending: A systematic review and meta-analysis', *Aggression and violent behavior* **9**: 441-476.

Jolliffe, D. and Farrington, D. (2006) 'Development and validation of the Basic Empathy Scale', *Journal of Adolescence* **29**: 589-611.

Kessler, R. C., Pecora, P. J., Williams, J., Hiripi, E., O'Brien, K., English, D., White, J., Zerbe, R., Downs, A. C., Plotnick, R., Hwang, I. and Sampson, N. A. (2008) 'Effects of Enhanced Foster Care on the Long-term Physical and Mental Health of Foster Care Alumni', *Archives of General Psychiatry* **65**(6): 625-633.

Kleinbaum, D. G., Kupper, L. L. and Muller, K. E. (1988) *Applied regression analysis and other multivariable methods*, Second Edition, Boston: PWS-KENT Publishing Company.

Leslie, L. K., Gordon, J. N., Lambros, K., Premji, K., Peoples, J. and Gist, K. (2005a) 'Addressing the Developmental and Mental Health Needs of Young Children in Foster Care', *Developmental and Behavioural Pediatrics* **26**(2): 140-151.

Leslie, L. K., Gordon, J. N., Meneken, L., Premji, K., Michelmore, K. L. and Ganger, W. (2005b) 'The Physical, Developmental, and Mental Health Needs of Young Children in Child Welfare by Initial Placement Type', *Developmental and Behavioural Pediatrics* **26**(3): 177-185.

Lyubormirsky, S., King, L. and Diener, E. (2005) 'The benefits of frequent positive affect: Does happiness lead to success', *Psychological Bulletin* **131**: 803-855.

McHugh, M., McNab, J., Smyth, C., Chalmers, J., Siminski, P. and Saunders, P. (2004a) 'The Availability of Foster Carers: Main Report', Sydney: Social Policy Research Centre, University of New South Wales.

McHugh, M., McNab, J., Symth, C., Chalmers, J., Siminski, P. and Saunders, P. (2004b) *The availability of foster carers: Main report*, Sydney: Social Policy Research Centre, University of New South Wales.

O'Brien, V. (2002) 'Contributions from an Irish Study: Understanding and Managing Relative Care', in B. Broad (ed) *Kinship Care: The Placement Choice for Children and Young People*, Lyme Regis, UK: Russell House.

Pears, K. and Fisher, P. A. (2005) 'Developmental, Cognitive, and Neuropsychological Functioning in Preschool-aged Foster Children: Associations with Prior Maltreatment and Placement History', *Developmental and Behavioural Pediatrics* **26**(2): 112-122.

Rodger, S. (2006) 'Who is Caring for Our Most Vulnerable Children? The Motivation to Foster in Child Welfare', *Child Abuse and Neglect* **30**(10): 1129-1142.

Rubin, D. M., O'Reilly, A. L. R., Luan, X. and Localio, A. R. (2007) 'The Impact of Placement Stability of Behavioural Well-being for Children in Foster Care', *Pediatrics* **119**(2): 336-344.

Sarason, I. G., Sarason, B. R., Potter, E. H. and Antoni, M. H. (1985) 'Life events, social support, and illness', *Psychosomatic Medicine* **47**(2): 156-163.

- Sarason, I. G., Sarason, B. R. and Shearin, E. N. (1986) 'Social support as an individual difference variable: Its stability, origins, and relational aspects', *Journal of Personality & Social Psychology* **50**(4): 845-855.
- Silverman, A., Reinherz, H. and Giaconia, R. (1996) 'The long-term sequelae of child and adolescent abuse: A longitudinal community study', *Child Abuse and Neglect* **20**: 709-723.
- Siminski, P., Chalmers, J. and McHugh, M. (2005) 'Foster Carers in New South Wales: Profile and Projections Based on ABS Census Data', in Social Policy Research Centre (ed) *SPRC Discussion Paper No.139*.
- Smyke, A., Zeanah, C., Fox, N., Nelson, C. and Guthrie, D. (2010) 'Placement in foster care enhances quality of attachment among young institutionalized children', *Child Development* **81**: 212-223.
- Snyder, C. R. (2000) *Handbook of hope : theory, measures, & applications*, San Diego, Calif. ; London: Academic.
- Snyder, C. R., Rand, K. L. and Sigmon, D. R. (2002) 'Hope theory: A member of the positive psychology family', in C. R. Snyder and S. J. Lopez (eds) *Handbook of positive psychology*, New York: Oxford University Press.
- Springer, K., Sheridan, J., Kuo, D. and Carnes, M. (2007) 'Long-term physical and mental health consequences of childhood physical abuse: Results form a large population-based sample of ment and women', *Child Abuse and Neglect* **31**: 517-530.
- Taylor, P., Moore, P., Pezzullo, L., Tucci, J., Goddard, C. and De Bortoli, L. (2008) 'The Cost of Child Abuse in Australia', Melbourne, VIC: Australian Childhood Foundation and Child Abuse Prevention Reserach Australia.

US Department of Health and Human Services (2008) 'Long-term Consequences of Child Abuse and Neglect', Vol. 2010, Washington, DC: Child Welfare Information Gateway.

US Department of Health and Human Services (2009) 'Foster Care Statistics', Vol. 2010.

Vig, S., Chinitz, S. and Shulman, L. (2005) 'Young Children in Foster Care Multiple Vulnerabilities and Complex Service Needs', *Infants and Young Children* **18**(2): 147-160.

Wilcox, B. L. (1981) 'Social support, life stress, and psychological adjustment: A test of the buffering hypothesis. ', *American Journal of Community Psychology* **9**: 371-386.

Zimet, G., Dahlem, N., Zimet, S. and Farley, G. (1988) 'The Multidimensional Scale of Perceived Social Support', *Journal of Personality Assessment* **52**: 30-41.