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Developing the assistive technology consumer market for people aged fifty to seventy

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#### ABSTRACT

Within the United Kingdom (UK) assisted living technologies are mostly provided through statutory health and social care services following assessment of individual need and application of eligibility criteria. This paper describes the first UK study to explore and develop business approaches and innovations required to make electronic assisted living technologies more accessible to consumers in their fifties and sixties. A robust mixed method approach was used including a large sample size for a consumer survey, triangulation of methods and confirmation of research findings through validation workshops. This three year study makes significant and original contributions to understanding consumer needs in this rapidly changing market and offers unique insights into the needs and wants of people aged fifty to seventy. Analysis shows significant differences between consumer and business

perceptions indicating that marketing is not closely aligned to consumers' needs and is affecting the development of the market. New approaches to consumer led business models are presented to improve information and marketing aimed at 50 to 70 year old consumers. A 'Broker/Independent Advisor' business model showed most potential for meeting the needs of both consumer and business stakeholders. Findings support future development of an assisted living consumer market to meet growing levels of need and demand, and to offer greater consumer choice of mainstream technologies to enable people to age in place.

KEY WORDS - assistive technology, business model, older consumer market, co-creation.

#### Introduction

Recent consecutive UK governments have supported the preference for people with health and social care needs to retain independence and remain in their own homes for as long as possible. Ageing in place describes a person living in the residence of their choice, for as long as they are able to as they age, and includes access to services (or other support) they might require as their needs change over time. The necessity to embrace self-management and the wider well-being and active ageing agenda (Walker 2009) reinforces this. Electronic assisted living technologies (eALT) including telehealth and telecare offer new opportunities for digitally enabled products and services to support people with their health, well-being and social care needs as they age in place (Ward and Ray 2014)..

In the UK, provision of eALT products and services is predominantly through the National Health Service (NHS) and local authority social services. However, reductions in public funding, the need for personal financial assessments, means testing, and strict application of eligibility criteria for statutory services means that many people are not eligible for such services. As a result people are beginning to look to the self-funded consumer market to meet their needs, and governments are eager to implement digital solutions (Westbrook 2015). However, the consumer market in this area is not well-developed in the UK. Direct consumer sales are low with many companies selling to public service providers rather than directly to end users. This paper describes the first UK study that aimed to explore and develop business approaches and innovations required to make eALT more accessible to consumers in their fifties and sixties.

#### Background

Within England and Wales, public sector service provision (including eALT provision) is being restricted due to diminishing budgets and stringent application of the Fair Access to Care Services (FACS) criteria (SCIE 2013). Scottish councils are also tightening eligibility criteria and increasing service charges (Audit Scotland 2012). Together with the growing number of people living longer (Office of National Statistics 2011) and the increase in those living with long-term conditions (Department of Health 2012), the consumer market must expand to meet growing levels of need and demand which otherwise may overwhelm public services.

The Care Act states that if none of the person's needs meet the eligibility criteria, local authorities in England must give advice and information about what can be done to prevent or delay the development of further needs in future (Care Act 2014 23:13). Greater signposting to other resources, including the consumer market must become part of routine practice for health and social care practitioners. These practitioners often look for practice guidance such as that provided by the National Institute for Clinical Excellence, but such practice guidelines do not exist for a consumer market. Organisations such as the Research Institute for Consumer Affairs (RICA formerly Ricability) provides information on home technology to older and disabled consumers but not directly to health and social care practitioners. At the same time there is a growing consumer interest in managing health and well-being, evidenced by an increased availability of health devices (e.g. to monitor blood pressure, walking activity, heart rate) on the high street. However, generally, consumer awareness of eALT is low. (Carers UK 2013: 6-7).

People now aged 50 to 70 years old, the 'baby boomers,' were the first generation to enjoy mass-manufactured goods and are reported to be more demanding consumers (Higgs *et al.* 2009; Jang and Ham 2009; Ross 2008) with an individualistic and youthful outlook (Packaged Facts 2006; cited Yoon, Cole and Lee 2009). They have experienced technology in their lives and may expect technology to be part of their older age or consider its use to support older adults they may be caring for (Coughlin 1999). The Wealth and Assets Survey

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of Great Britain reported that those aged 55 to 64 years old have the greatest mean and median household wealth of all age groups, with older people (over 65 years old) maintaining higher wealth than younger age groups (Office of National Statistics 2009). Despite a welcome reduction in the number of people in later life living in poverty, it remains an issue for a significant minority of older people (Age UK 2011) and therefore the consumer market will not be accessible for all older people and statutory provision will need to continue to meet their needs. However the consumer market offers greater choice of design and range of products to meet people's lifestyle choices if they can afford it and some older consumers have money which they are willing to spend and may be amenable to purchasing eALT (Reisenwitz and Iyer 2007).

There is a lack of research on the older consumer despite the fact that older people represent a significant proportion of the consumer market (Age UK 2010; Yoon, Cole and Lee 2009). 'Baby boomers' are an important market segment and are likely to consider the private purchase of eALT to support themselves and their loved ones (Carers UK 2013). This segment of the market is largely untapped and presents opportunities for manufacturers, suppliers and retailers in the eALT industry. However, the current industry is not 'retail ready'; with most businesses being small to medium sized enterprise (SMEs), of which few sell directly to consumers. Their 'customers' are mainly health and social care services with sales made through business-to-business contracts.

There is also a lack of high quality research evidence informing the use of eALTs to support independent living in older age. The Audit Commission conducted a review of eALT and proposed that there was a 'tantalising possibility' for assistive technology to provide independence, functional benefits, and cost savings (Audit Commission 2004:443). Blashcke, Freddolino and Mullen (2009:651) concluded that we are 'far from knowing what types of [assistive technology and information and communications technologies] work well, with what types of users, under what conditions and for how long' and that the aggregated lessons learned that can be generalised across age, gender, and nationality are few.

There is however, a growing body of literature building from case studies and nonblind smaller RCTs which are suggesting that eALT has a role in improving function and independence where it is tailored to individual need (Woodcock *et al.* 2013). In reality, costeffectiveness of eALT has been difficult to prove, with only half of eALT (telehealth) economic evaluations concluding that there are savings to be made from astute use of eALT, with 7% of studies concluding that eALT costs money, and 43% of studies providing no conclusion either way (Stroetmann *et al.* 2010). In addition, there is little evidence regarding people's experiences of purchasing eALT privately, and what there is tends to be anecdotal reports of negative experiences, *e.g.* people being sold unsuitable items (Winchcombe 2008). Indeed, despite more than 9,000 studies on the efficacy of eALT being conducted across the world, policy makers have yet to be convinced (Stroetmann *et al.* 2010; McCartney 2012). However, neither is the current lack of evidence convincing that eALT is completely without effect. The premise that eALT could potentially reduce health and social care costs is a key driver for continued research in this area (Stroetmann *et al.* 2010).

In summary, demographic changes have created an international challenge of an ageing population with predicted dramatically increasing costs on government funded health and care services (Select Committee on Public Service and Demographic Change 2013; World Health Organisation 2011). The consumer market offers a potential solution to this challenge however; generally, consumer awareness of eALT is low. To address the issues of diminishing statutory health and social care budgets in the UK, growing numbers of people in their fifties and sixties taking greater responsibility for their health and wellbeing, and an underdeveloped consumer eALT market, a study was undertaken to explore the challenges in creating a vibrant and consumer led assisted living market.

#### **Research aims and objectives**

The overall aim of this study was to explore and develop business approaches and innovations required to make eALT more accessible to consumers aged 50 to 70 years. This was achieved through the following objectives: understanding 50 to70 year old consumers' awareness of eALT; understanding their needs and desires in purchasing eALT; understanding business (manufacturers, suppliers and retailers) perspectives of these consumers and exploring differences between business and consumer perceptions of the market; using the insights gained to develop and explore new consumer led business models for the eALT consumer market.

#### Methodology

A mixed method approach was used (Teddlie and Tashakkori 2011), collecting both qualitative and quantitative data from diverse sources to gain a contextual understanding and multi-level perspectives from both individuals aged 50 to 70, and businesses. To integrate the diverse data collected and to afford a clear interpretation of the research findings from each stage, a conceptual framework was used. A conceptual framework 'is a research tool intended to assist the researcher to develop awareness and understanding of the situation under scrutiny and to communicate this' (Smyth 2004:2). A visual display was created to illustrate how the initial consumer data influenced the later stages of the research and business model development and helped to synthesise the data. Findings from each stage were triangulated to validate the data and develop not only an understanding of the market but individual consumers within it. Using a conceptual framework helped to organize ideas emerging from the diverse data sources as well as offering a self-audit facility to ensure cohesion and appropriate conceptualisation for the research conclusions (Lesham and Trafford 2007). The study included the following 9 stages:

*Market Analysis* - carried out to categorise available products, identify the main suppliers, and summarise their value propositions, including economy, standard or premium products, routes to market through direct, third party or business-to-business routes, and access to professional advice (Health Design & Technology Institute, 2014).

*Product Review* – A review of products was undertaken through in-depth interviews with product designers to identify trends in development, types of products currently being developed, and how well they were perceived to meet the needs of consumers in their fifties and sixties to identify any gaps in the design of eALT products for this consumer segment.

*Consumer Street Survey* - A survey of 500 consumers from five high street locations around the UK sought to understand the importance of different barriers and enablers (identified from a comprehensive literature review) affecting the purchase of eALT. Structured street interviews, lasting approximately 12-15 minutes were completed. Show cards were used to display a list of answer options and a seven point Likert scale (with 7 being a very strong influence and 1 being no influence at all) was used to rate the influence of that barrier or enabler on the purchase decision. Participants in the street survey included potential eALT consumers approaching retirement and older age, who may have a long term health condition or may have caring responsibilities for an older friend/relative. To capture a wide range of consumer views, participants were interviewed from different customer segments; groups i-iv were aged 50 to 70 and group v comprised slightly younger and older carers: 1. Never bought any eALT (n=110); 2. Have bought eALT for themselves (n=110); .3 have bought eALT for someone else they care for (n=110); 4. User of eALT that was purchased by someone else (n=60) and 5. Carers aged 30-44 or over 71 (n=110).

*Consumer Focus Groups* - Four focus groups were carried out in different UK locations with people aged 50 to 70 to gain a deeper understanding of their attitudes towards the use and purchase of eALT and the barriers and enablers to eALT adoption for this group of consumers. As with the consumer street survey, participants included current users and non-users of eALT and carers.

*Consumer and Business Co-creation Groups* - Six co-creation groups based on Sanders and Stappers (2008) co-creation model were carried out with people aged 50 to 70 and eALT business representatives from SMEs (manufacturers, suppliers and retailers) and larger retail and supply companies to develop solutions to overcome the barriers to purchasing eALT identified from the street survey and focus groups. A co-creation methodology was chosen to begin to create a shared vision of a consumer led eALT market as the ideas and concepts developed during the process had shared ownership between all the participants or cocreators. The co-creation method gathered qualitative data in a variety of different media such as notes, artefacts, drawings, mind maps, and photographs (Sanders and Stappers 2012). The workshops were conducted in three different locations in England, two groups focused on information needs when purchasing eALT, two on the consumer decision making process when purchasing eALT, and two on the purchase process (Holliday, Ward and Fielden 2015).

*In-depth Business Interviews* - To explore new approaches to business and how business models for the eALT market could be rearranged and developed to align with consumer needs, 12 in-depth interviews were conducted with representatives from medium and large sized businesses in the assisted living sector whose primary purpose included design, manufacture, distribution and retail, as well as a national charity focused on independent

living that also has a sales channel. Interviews were structured around the "Business Model Canvas" (Osterwalder and Pigneur 2010) which identifies nine elements of a business model that typically influence the operation and potential success of businesses.

*Business Focus Group and Telephone Survey* - The in-depth business interviews were supplemented with a focus group and telephone questionnaire survey with business representatives (n= 103) meeting the same criteria as those taking part in the in-depth interviews. The focus groups and telephone survey sought to assess their views, understanding and experience of barriers and enablers to the purchase of their products and services for 50 to 70 year olds and their perceptions of consumer needs. As with the consumer street survey, the barriers and enablers were presented to participants who were asked to rate their influence on a seven-point Likert scale (with 7 being a very strong influence and 1 being no influence at all).

*Business Model Development* - The business focus group and telephone survey data were triangulated with data from the consumer survey, focus groups and co-creation to define four business models that had resonance within the eALT consumer market. Therefore the solutions suggested by participants in the consumer studies were then fed into the business modelling process. Business modelling focuses on generating a collaborative effort of value co-creation in which all stakeholders reflect on the value needs of the others with the resulting business model acting as the basis for implementation (van Limberg *et al.* 2011).

*Business Model Validation* - Two further focus groups with both consumer and business representatives validated the four business models developed.

Where data was collected from people, ethical approval was obtained through Coventry University. Informed consent was obtained from all participants. How their data would be used, the right to withdraw, and the assurance of anonymity were explained to participants in detail.

#### Data analysis

Consumer street survey and business telephone survey categorical data were analysed using chi-square contingency tables, and ordered data (*e.g.* 7 point Likert scale) using Kruskal Wallis nonparametric ANOVA. The in-depth business interviews were recorded, transcribed verbatim and analysed by two research team members, with coding and recoding of the transcripts carried out in order to maintain consistency and improve reliability and data were analysed using NVivo Version 10 software (2012). Focus group recordings were transcribed verbatim and data were analysed using thematic content analysis (Green and Thorogood 2004).

Materials generated from the co-creation groups were carefully preserved. Full annotations were made in-situ and materials and annotations produced in the workshops were summarised by the facilitators. A collaborative approach was taken to the co-creation analysis where the facilitators read and re-read the data obtained and researcher annotations were added until the data sets were considered complete. Thematic content analysis was then used to identify key themes.

#### **Results and discussion**

#### Understanding 50 to 70 year old consumer awareness and needs

The market analysis and consumer street survey highlighted the eALT consumer market as being in its infancy as only 8% of people surveyed had purchased this type of technology.

The top three barriers to making a purchase that were ranked as having a moderate to strong influence for 50 to70 year old consumers were: Cost ; Knowing what and where to buy; Lack of awareness that a product that might help exists

All the enabling factors were rated more highly for influence than the barriers. The top three enablers that encouraged consumers to buy eALT were: Believing that a product would really make a difference; A feeling that costs are affordable and worth it; A belief that the product would make life safer at home. Recognising that eALT can be of help to support people as they age is a key stage in the process of obtaining eALT and using it effectively. Generally people wanted to manage by themselves at home and were open to eALT supporting them to do so.

However a lack of information was found to be a key barrier to purchase; specifically a lack of consumer awareness of eALT, and the need for more accessible and better information of where to go to buy products and services and what to buy was evident. The market analysis uncovered inconsistencies in pricing and low levels of competition. The review categorised currently available products on the market (mostly traditional ALT; what may be referred to as community equipment as opposed to electronic ALT) identifying the main suppliers and summarising their approach to the market. Parts of the market were clearly dominated by three suppliers. These suppliers sold their products to a wide range of outlets with wide price variations, indicating that, for the consumer, it was worth shopping around.

Poor design and associated stigma influenced what people chose to (or not to) buy. The product review (Woodcock *et al.* 2013) explored how well products meet the needs of target consumers. It showed that developers are only now beginning to recognise the market for 50 to 70 year olds, and that this market would be best served through better design of mainstream products, rather than specific products targeted at older people. The focus groups

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highlighted that 50 to 70 year olds do not want to be stigmatised or singled out as in need of 'assistive' products or equipment. There is a need for better design to make eALT more attractive, functional, discreet, and easy to use. Business focus groups highlighted poor definition and lack of understanding of the needs of 50 to 70 year old consumers, and also of the potential size and structure of the marketplace.

#### Understanding the differences between business and consumer views

#### Barriers

The comparison between consumer and business views on the pre-purchase barriers is shown in Figure 1.

#### [Insert figure 1 about here]

Whilst there was a clear influence of these pre-purchase barriers for both consumers and business participants, significant differences were found between the two groups' ratings for the aspects of *fear that a product will be costly, lack of awareness that products exist, not knowing where to purchase from* and *less hands-on help*. These differences suggest that business stakeholders perceive these factors to be more significant for 50 to70 year olds than they really are, whilst underestimating the *feeling that using a product or service might mean less hands-on help* has on consumers.

As shown in Figure 2, comparison of which product/service specific barriers would be influential on purchasing also revealed marked differences between the two groups. One exception to this is affordability; *whether consumers can afford to buy in the first place*, which is rated as the highest barrier by both groups, and appears to be considerably more

influential than the next barrier which is the *cost of running* the product over a prolonged period.

#### [Insert figure 2 about here]

It appears that business overestimates the influence of *other people's negative attitudes* on consumers, but underestimates the influence of several other factors including; the *cost of running a product*, its *complexity*, worries about *information disclosure*, *lack of national standards*, *reliability*, *design and safety*.

As shown in Figures 1 and 2, differences were found between consumer and business' views regarding barriers to purchasing and using an eALT product/service. The authors suggest that this lack of understanding of the barriers faced by 50 to70 year olds further compounds the barriers to the purchase of eALT.

In summary, there are significant differences between what 50 to 70 year old consumers and businesses see as the main barriers to the uptake and use of eALT. This indicates the need for business to pay greater attention to the needs of 50 to 70 year olds, with particular regards to; ease of use, reliability, and reassurance to the customer regarding standards and safety. Furthermore, businesses could place greater emphasis on the potential value and benefits of using eALT within their product and service development and marketing strategies.

#### Enablers

With regard to enablers to eALT purchase, few significant differences were found between the potential consumers in the street survey and business telephone survey, with the exception of *belief that a product would make daily living tasks* easier, as Figure 3 shows.

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Belief that a product would *make daily living tasks easier* and *knowing that products/services exist to help people*, are key purchase triggers. Yet these two simple messages - that these products/services can help people overcome a daily living difficulty, and that they simply exist in the first place - are not clearly communicated to consumers by businesses.

#### Developing solutions and consumer led business models for the eALT market

The findings from the focus groups found that information is key to the success of the eALT market; people must recognise a need, they must know a product/service exists that might help, they must know where to go to buy it and finally, they must be supported in making decisions about what to buy.

Solutions suggested by 50 to 70 year olds in the co-creation groups included opportunities for more hands-on experience through demonstrations and 4try before you buy' offers, money back guarantees, purchase and rental options. User confidence in the product or service was essential with reliability and good maintenance and servicing being key factors. They suggested that potential consumers would be helped in the purchase decision making process by hearing other customers' reviews, along with better information and advice about what to buy. As with any retail purchase experience, outstanding customer service was seen as desirable, but after-sales care and ongoing advice as health and wellbeing needs changed in the future was regarded as essential. Following the business modelling phase of the project, four promising business models for the consumer eALT market emerged. The main features of each model are described in Table 1.

[Insert table one about here]

The broker model had the most positive response from both the 50 to70 year olds and the business experts in the validation focus groups, as it acknowledges the role of expert advice traditionally given by a health or social care expert, who is independent of sales being made; whilst the insurance model was less well supported by the business experts and the consumers. How independent expert advice is provided within a consumer market needs to be considered carefully by businesses to ensure that it has credibility and gains consumer trust.

Drawing on these insights, a business support system was developed to help organisations consider the four different models and how they might be applied in the context of that specific business was developed. The Business Model Canvas (Osterwalder and Pigneur 2010) structure was employed as the foundation for the consumer led business modelling in this study, and was used to create a web based tool to guide businesses through a series of reflective questions aimed at encouraging new thinking and approaches to market development based on what 50 to70 year olds value in this market. The system was tested and refined with business representatives and is under further development.

#### Conclusion

In the UK the assistive technology market is constructed as a unique statutory and consumer market mix. In order to maintain equality and fairness of access to services, statutory services must continue to ensure that those with low income are provided for in older age. However as budgets for public sector services are being reduced, the consumer market must expand to meet growing levels of need and demand that otherwise may overwhelm public services. This research has improved our understanding of the issues around the potential for the growth of eALT consumer market. Information and understanding is a key issue; in this study 50 to 70 year old consumers were not aware of the existence of eALT products or services and they did not know where to get essential information, indicating that current market

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approaches are ineffective in reaching this consumer group. Importantly, their self perception suggests that they don't think they need these products, believing that eALTs are for disabled people or older, frailer people than themselves. Attractive design is an important concern for this group of consumers; yet eALTs are being marketed, in the main, by businesses in a way that promotes disability rather than health, well-being and positive lifestyles.

Recognising a need is a significant stage of the consumer purchase process and once a need is recognised, people should know where to go to buy and be supported in making a purchase decision. Strategies to improve information and marketing directed towards this sector of the consumer market must be developed to appeal to potential consumers. Although cost and affordability are issues, this study found that consumers aged 50 to 70 are willing to buy products if they are thought to be good value and will make a difference to their lives in terms of living independently. However, the research also found a significant disconnect between business' perceptions of what 50 to 70 year olds are looking for in the eALT market, and that existing businesses in this sector are largely set up to serve statutory services rather than discerning consumers. This mismatch in views is perhaps a legacy of the public sector's role in providing eALT to older people and those with disabilities, where the purchaser often has not been the end-user.

There is greater synergy between both groups' views about what factors encourage and those that are a barrier to the purchase of eALT. Enablers were rated as more influential than barriers, suggesting that positive marketing messages about the lifestyle benefits of using eALT products and services would be powerful and could provide greater assurances for 50 to 70 year old consumers. As discussed by van Limberg *et al.* (2011), this research confirms that the current eALT market development suffers from a lack of infrastructure, inability to find funding, complications with scalability, and uncertainties regarding effectiveness and sustainability. These issues can be addressed by defining a better implementation strategy

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through the use of business modelling that is informed by an understanding of the needs and desires of the 50 to 70 year old consumers. From the four business models explored, the 'Broker' or 'Independent Advisor' business model showed most potential for meeting the needs of both the 50 to 70 year old consumers and business stakeholders. A change in direction is needed from public sector ''provision'' to a commercial consumer experience. It is also clear that new partnerships and collaborations are required between businesses and consumers, and that these partnerships should be based on offering 50 to70 year olds services that meets their needs rather than standalone products. New business partnerships and service solutions rather than single product development will be the game changer in the consumer eALT market in terms of scalability and sustainability. Identifying gaps and failings in the market is crucial, and emerging spaces for innovation need to be identified between formal (statutory) care and informal self-support in the eALT consumer market.

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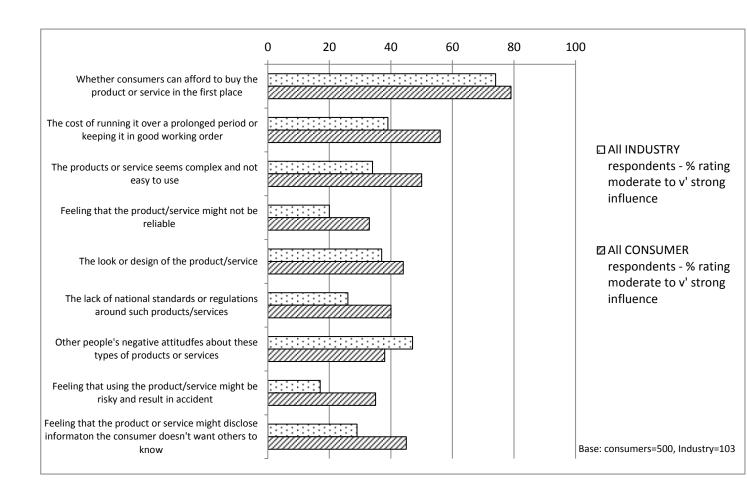
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# FIGURE 1. Comparison of consumers' views and industry perceptions of the influence of pre-purchase barriers

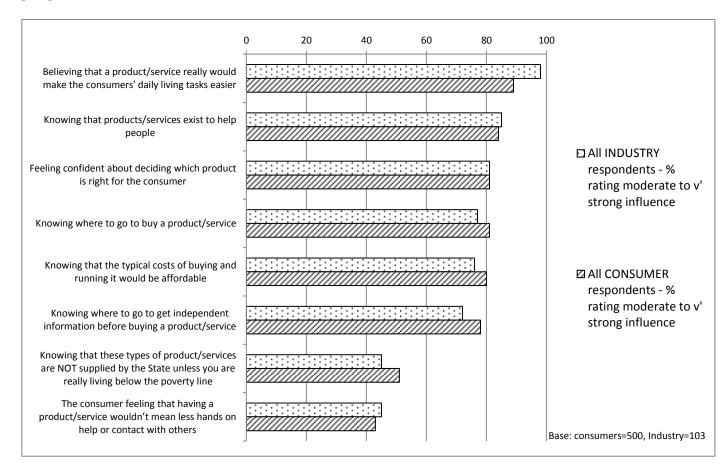
	0	20	40	60	80	100		
Fear that it'll be expensive/costly					3			
Not knowing enough about products or services to be able to choose between them								
Lack of independent information about which products and services are the best ones to consider BEFORE buying							All INDUSTRY respondents - % rating moderate to v' strong influence	
Lack of awareness that products/services exist in the first place								
Not knowing where to buy a product or service							🛙 All CONSUMER	
Feeling that it's the State's responsibility to provide this sort of product/service							respondents - % rating moderate to v' strong influence	
People don't think they need it								
A feeling that having a product/service might mean less hands on help and contact with others								
Buying this type of product or service will make the consumer feel worse about themselves (make me feel worse about myself)						Ва	se: consumers=500, Industry=103	

## FIGURE 2. Comparison of consumers' views and industry perceptions of product/service specific barriers



#### FIGURE 3. Comparison of consumers' views and industry perceptions of the influence of

#### pre-purchase enablers



Business	Features of the Business Model	eALT Market Example	Customer
Model			Value
			Proposition
Complementor	A complementor to a product or	A company that sells stair lifts	A number of
	service is any other product or service	partnering with a company	my needs can
	that makes it more attractive. Two	selling falls monitoring telecare	be met from
	companies co-operate with each to	devices to share a customer base	one place
	create new business opportunities.	whose primary concern is that	
	Automatic free or discounted access to	of safety and falls within the	
	another product or service adds value	home.	
	in the eyes of the customer, enhancing		
	the attraction of the original product,		
	while introducing potential new sales		
	to the secondary product.		
Diversifier	A company offers additional products,	A monitoring service provided	I know I can
	benefits, or services outside of their	by an energy company which in	rely on that
	normal area of expertise. This can be	addition to their normal energy	brand.
	developed themselves, outsourced, or	supply role provides a remote	
	branded through some form of 'own	environmental monitoring	
	labelling' agreement. Co-operation	service that allows you to check	
	could be through a variety of	security, appliances and safety	
	arrangements e.g. strategic alliance,	of loved ones.	
	outsourcing agreement, or joint		
	venture.		
Independent	A consultant (broker) would identify	a) Travel Agent Model where	I can rely on
advisor/	the customer's needs, then select and	bespoke solutions recommended	an expert
broker	bundle a range of products or services	by broker and chosen bundled	un enpere
	into a bespoke solution that meets their	into a package. The broker takes	
	independent living needs to support	commission to pay for expertise	
	and offer this to the customer.	provided.	
		b) Personal Shopper Model	
		where the customer is	
		signposted to the recommended	
		products and services, which are	
		paid for individually. The	

### TABLE 1. New approaches to business models in the eALT market

		broker can be paid by the outlet,			
		or charge the customer a			
		separate amount for their			
		service.			
Insurance	This model is based on a variation of	a) Life assurance model, where	The worry		
	the insurance based principle, where	premiums are paid over a period	and		
	for insurance against the risk of	of time in preparation for	uncertainty		
	financial loss or need, many premium	anticipated expenses related to	of the future		
	payers pay for the few claimants.	support for independent living	is managed.		
		needs			
		b) Cash plan model whereby			
		one pays a set monthly fee, and			
		when expenses such as dental,			
		optical and prescription costs			
		are incurred, you can claim back			
		benefits in the form of cash			
		payments. This could include			
		payment for assisted living			
		products and services.			