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What are the key contextual factors when preparing for successful implementation of assistive living technology in primary elderly care? A case study from Norway

Martha Therese Gjestsen,1 Siri Wiig,2 Ingelin Testad1,3

ABSTRACT

Objective To identify contextual factors at different organisational levels to guide the implementation of an assistive living technology intervention in Norwegian primary home care.

Design A single embedded case study design was carried out in an urban municipality in Western Norway to get an overview of key contextual factors from the municipality’s perspective.

Data collection and analysis The data collection was based on a triangulation of methods involving document analysis, semi-structured individual interviews and focus group interviews to get a broad insight when preparing for an intervention. Data were collected on three levels of the healthcare system: (1) national policy documents and regulations (macro), (2) five individual interviews with senior managers and municipal strategy documents (meso) and (3) two focus group interviews with nurses and nurse managers in direct patient care (micro). The Model for Understanding Success in Quality framework was used as a guide in the data analysis.

Results The main contextual factors identified were external motivators and project sponsorship (macro level); leadership, workforce focus and maturity (meso level); and motivation to change and maturity (micro level). Strategies developed in policy documents affected upper management in the municipality, but healthcare personnel at the micro level were not so familiar with strategies and emphasis on assistive living technologies. Healthcare personnel in our study were motivated to use technological solutions, but lack of data infrastructure and resource availability hindered this.

Conclusions Aligning interests across multiple stakeholders remain a challenge when planning for an assistive living technology intervention in primary care. In the studied municipality, integration of technological solutions into healthcare services was more a vision than a reality because of a low level of organisational readiness.

INTRODUCTION

In times of demographic changes, the use of assistive living technologies is suggested to help monitor and treat degenerative and chronic diseases that follows an ageing society, through the use of sensors, alarms and reminders. One context in which the use of assistive living technologies has been heralded as a solution is prevention of hospitalisations.

Older persons are substantial consumers of both hospital care and primary care services, and a continuous discussion questions if a proportion of hospital admissions could have been prevented in primary treatment and care. Previous research stresses that more studies are needed to assess outcome and effectiveness related to the use of assistive living technologies, but there is a potential to prevent hospitalisations by providing early warnings of exacerbation events or deterioration. This is a significant issue in regard to both quality and cost.

Strengths and limitations of this study

► Applies a multilevel approach to acknowledge the organisational, social, political and policy context in which assisted living technologies are planned to be implemented.

► Provides rich, qualitative data from three levels of the healthcare system: (1) national policy documents and regulations (macro), (2) individual interviews with senior managers and municipal strategy documents (meso) and (3) focus group interviews with nurses and nurse managers in direct patient care (micro).

► The use of the Model for Understanding Success in Quality framework in the data analysis provides empirical content to the model, which can help operationalise factors in the framework.

► The intended user’s perspective of a technological solution is not integrated in the study.

► Sample size is small; other municipalities, countries and settings may illustrate different opportunities and challenges.
Despite its potential to improve primary healthcare, the success rate for implementing assistive living technologies has been low.\textsuperscript{15–18} This could be explained by previous research failing to consider critical issues in the use of these technologies. In particular, there is a need to consider the wider social framework within which the new technologies would operate and how the technology could be integrated into a complex healthcare system.\textsuperscript{4,19}

There is a general interest in the role of context in understanding variation of success in quality improvement (QI), but this focus is lacking in research regarding implementation of assistive living technologies in primary care.\textsuperscript{16–29} Little evidence exists for approaches to improve the implementation process of assistive living technology, and studies to date have been limited in their design.\textsuperscript{18,21,23} A systematic review found that studies in this field were heterogenic and applied multiple measures of a given contextual factor and tested the associations between these measures and multiple measures of QI success.\textsuperscript{22} Other studies argue that the use of traditional controlled trial efficacy research design provides limited information about the mechanisms that produced the outcomes, and why an intervention varies by setting.\textsuperscript{25,26} This implies that few studies have been designed to assess how different contextual factors, such as external environment, organisational issues, technological infrastructure and human actions, interact with each other to influence the implementation process.\textsuperscript{22,25,26}

In order to increase the likelihood of successful implementation, it is crucial to address elements at the micro level (human decisions and actions), as well as the wider context in the meso level (the organisation in which the humans interact) and at the macro level (national policy on assistive living technologies). Based on the notion that elements at the micro level can both influence and be influenced by elements at the meso level and macro level, more knowledge is needed for where to direct efforts and resources, in order for professionals and organisations to prepare a more optimised implementation of assistive living technologies in primary care.\textsuperscript{26–28}

### Conceptual framework

In the literature, diverse QI frameworks (eg, Model for Improvement,\textsuperscript{29} PARIHS,\textsuperscript{30} ARCHIE\textsuperscript{4}) and implementation models (eg, PRIME\textsuperscript{31}) exist. In this study, we apply the Model for Understanding Success in Quality (MUSIQ),\textsuperscript{32} as it is in the forefront of incorporating contextual factors in QI processes. Kaplan et al\textsuperscript{22} identified a need for a conceptual model that builds on existing implementation frameworks and developed MUSIQ using a systematic review and structured input from a diverse panel of QI experts.\textsuperscript{32,33} The MUSIQ framework\textsuperscript{32} as described in figure 1, is a comprehensive conceptual framework for approaching and studying an implementation process in healthcare. It offers an opportunity to formally evaluate the contextual factors involved in implementation of new measures within healthcare, and is therefore chosen as an appropriate and helpful framework to inform the planning phase of an assistive technology intervention to prevent inappropriate hospital admissions for older adults receiving home-based care.

MUSIQ shows how context influences the success of individual QI projects and hypothesises that the implementation of a system, the process changes and the associated outcome improvements are influenced directly by microsystem and QI team factors, which are interdependent and mutually reinforcing. The identified contextual factors are organised based on the level

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**Figure 1** The MUSIQ framework is a comprehensive conceptual framework for approaching and studying an implementation process in healthcare. QI, quality improvement. Copyright © BMJ Publishing Group Ltd and the Health Foundation. All rights reserved. Reuse licence number 3785340881529.
of the healthcare system in which they are believed to operate, including the micro level, the organisational or meso level and the external environmental or macro level. Factors operating within the macro level are external incentives, such as new national policy documents or sponsored projects. At the organisational level, QI leadership (senior management) directly influences leadership at the micro level. For example, external motivators can put pressure on senior management in an organisation to support a particular QI project. This could then lead to support and training for healthcare personnel involved in the particular QI project, which in turn will increase the likelihood of successful implementation of the QI project.

The aim of this study was to identify contextual factors at the macro, meso and micro levels to guide the implementation of an assistive living technology intervention in Norwegian primary home care that would prevent inappropriate hospital admissions. To achieve this aim, specific objectives were to increase knowledge about:

1. Policy makers’ view of the implementation of assistive living technology in primary care
2. Primary care organisations’ and management’s perspectives regarding the implementation of assistive living technologies
3. Healthcare personnel’s perspective regarding the uptake and use of assistive living technologies.

**METHODS**

**Setting**

The study was carried out in an urban municipality in Western Norway. Healthcare service delivery in this municipality was divided into four geographically organised units and comprised 1600 elderly recipients of home-based care. This study involved two of these units, with 800 elderly receiving home-based care. The municipality was in the process of integrating assistive living technologies in primary care during the next few years and was involved in the national programme for telehealth, together with 31 of Norway’s 428 municipalities.

**Design**

A single embedded case study design was employed to get an overview of key contextual factors from the municipality’s perspective, thus getting a better understanding of which factors could be targeted when planning an assistive living technology intervention in primary care. The case was defined as the municipality. The embedded design included macro (policy), meso (organisation) and micro (clinical team in home care) levels in the data collection and analysis.

**Data collection**

The data collection was based on a triangulation of methods involving document analysis, semi-structured individual interviews and focus group interviews to get a broad insight when preparing for an intervention. Data were collected on three levels of the healthcare system: (1) national policy documents and regulations (macro), (2) individual interviews with senior managers and municipal strategy documents (meso) and (3) focus group interviews with nurses and nurse managers in direct patient care (micro). Informants for the individual interviews were chosen based on purposeful sampling, seeking informants who were most able to inform us on the research question. Senior managers were selected because they held major roles in the municipality’s work with implementing assistive living technologies in primary care and were in the best position to validate and provide relevant information for the study.

An overview of data material is depicted in table 1.

**Macro-level data collection: acquisition of documents**

The data collection at the macro level involved acquisition of relevant national policy documents (eg, national care plan and white papers) developed by the Ministry of Health and Care Services. These documents were included because they provide information about macro level entities’ vision and ideas concerning the use of assistive living technologies in healthcare. Macro level data are referred to as ‘external environment’ in the MUSIQ framework. All documents are publicly available on the internet and downloaded from: https://www.regjeringen.no/en/find-document/id2000006/?ownerid=421.
Meso-level data collection: semistructured interviews and acquisition of documents

Five individual semistructured interviews were conducted with senior managers in primary care. These managers were all having a key strategic position within the municipality with important oversight of the decision-making processes related to assistive living technologies. Individual interviews were employed to ensure a more in-depth understanding of the leaders’ roles in the implementation of assistive living technologies in elderly primary care. Recruitment was initiated through the study’s working group members by asking them for a recommendation as to who could best explicate the aspects of interest. MTG then asked potential informants face to face about participation; all accepted. There was no relationship between informants and interviewer prior to study commencement. The interviews were conducted by the same person (MTG) for consistency, took place at the respective informants’ office, with only the informant and interviewer present, and lasted approximately 60 min. A semistructured interview guide was developed based on MUSIQ, focusing on organisational structures and processes for managing quality, and the leader’s role in QI work. The interviews were audiotaped and transcribed verbatim. The municipality’s strategic plan for implementing assistive living technologies and a report on the use of resources in municipal health and care services were included to provide additional perspectives about key issues and to serve as a supplementary source for understanding discrepancies among informants.

Micro-level data collection: focus group interviews

Two focus group interviews were conducted (n=12) in 2014. Maximum variation sampling was employed to identify a sample of healthcare professionals who represented different lines of work at the micro level. Administrative personnel in the municipality, who otherwise were not involved in this study, recruited informants; 12 healthcare professionals who worked either in direct patient care or administered care services for the elderly were invited by mail to participate in the interviews; all agreed. Eleven women and one man in the age between 30 and 55 years, who had worked in primary care for more than 5 years, participated. None of the informants were directly engaged in the work with assistive living technologies. A thematic interview guide was developed for the purpose of exploring aspects related to implementation of assistive living technologies. Focus group interviews were employed so that participants could discuss perceptions, opinions and thoughts related to the abovementioned topic. The interviews were led by a moderator (MTG) to ensure rich and relevant data; there was no relationship between informants and interviewer prior to the interviews. A co-moderator made notes on observations and impressions during the interviews. Both interviews took place at the informants’ work place and lasted approximately 90 min. Interviews were audiotaped and transcribed verbatim.

Data analysis

The MUSIQ framework was used as a guide in the data analysis, by providing a priori themes in advance of the analysis process. This is described by Crabtree and Miller36 as a template organising style. With the template (theory-based) analysis style, the text is organised according to pre-existing theoretical or logical categories to provide new descriptions of previously known phenomena. Three data sources were analysed; at the macro level, we analysed national policy documents to map the stated governmental expectations related to implementation of assistive living technologies in Norwegian municipalities. The role of the macro-level data is to link the governmental expectations concerning the use of assistive living technologies in municipal elderly healthcare, and how these are addressed by the municipality at meso and micro levels. At the meso level, we analysed key documents from the municipality and transcripts from individual interviews; and at the micro level, the units of analysis were transcripts from focus group interviews.

We read meso-level and micro-level transcripts repeatedly to gain familiarity, and then discussed the emerging findings as a team whose backgrounds spanned health and social science (MTG: nurse/PhD candidate; IT nurse/postdoctor; SW: social scientist/professor; all females). Data material was analysed thematically, using the MUSIQ theoretical framework. Data were analysed iteratively within our research team until no new themes emerged. Table 2 illustrates the analytical process. Study participants were not involved either in the analysis process or provided direct feedback on the findings but to ensure trustworthiness in the analysis, analyst triangulation and member checks were applied.

RESULTS

The main contextual factors identified in this study were external motivators and project sponsorship (macro level); leadership, workforce focus and maturity (meso level); and motivation to change and maturity (micro level). The results are depicted in figure 2.

Macro level

Document analysis of national policy documents showed that external motivators and project sponsorship were the main contextual factors at the macro level. Six white papers state in various ways that telehealth/telecare should be integrated in the healthcare services. The Norwegian government established a national programme for development and implementation of assistive living technologies, which the main objective is that assistive living technologies are integrated in primary care services by 2020 (Care plan 2020, p28). Expectations are stated...
Table 2  Data analysis process

<table>
<thead>
<tr>
<th>Data source</th>
<th>Findings</th>
<th>Factors in MUSIQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Macro level</td>
<td>'Main aim in the National programme for development and implementation of assistive living technologies is that assistive living technologies are integrated in primary care services.43'</td>
<td>Governmental expectations related to implementation of assistive living technologies, as an integrated part of municipal services</td>
</tr>
<tr>
<td>Meso level</td>
<td>'I don’t quite know how, and this is probably the big challenge; how will the municipality build a system concerning this?'</td>
<td>Organisation is still immature</td>
</tr>
<tr>
<td>Micro level</td>
<td>'I think that Skype could be a tool between accident and emergencies department, general practitioners and home-based care. One thing is to describe it over the phone, it's completely different to show how the situation really is; we could provide blood pressure, pulse, O₂ saturation and such…'</td>
<td>Healthcare professionals motivated to use assistive living technologies in daily care</td>
</tr>
</tbody>
</table>

in a direction of more user-oriented healthcare services (Future Care, p40),40 and that the uptake and use of assisted living technologies are part of an innovative and provident healthcare system (Future Care, p55).40

In this, it was demonstrated that the external environment, represented by several reports to the Parliament, was an incentive for leaders in the municipality to translate the national targets to local initiatives by being an external motivator. Furthermore, the document analysis showed that the Directorate of Health (DoH) exercised a role as project sponsor, as it provided funding for assistive living technology projects led by the municipality. For example, the municipality had a project as part of the national programme, involving the transition of analogue personal alarm systems to digital solutions, which was funded by the DoH.

Figure 2  Results organised on different levels: the main contextual factors identified in this study were external motivators and project sponsorship (macro level); leadership, workforce focus and maturity (meso level); and motivation to change and maturity (micro level). The results are depicted in figure 2. MUSIQ, model for understanding success in quality; QI= quality improvement.
**Meso level**

QI leadership and maturity were the two main factors identified at the meso level. In the interview material, it became evident that the leaders in the municipality had to align the local QI work with the national priorities and focus areas, as defined in macro level policy documents.

*We are part of the National programme, which focuses on safety alarms; therefore, we have two projects concerning safety. First and foremost we must prioritize this work. The national directions are clear about which activities the municipalities should prioritize.* — Project manager

In terms of leadership, the senior leaders regarded it as their responsibility to be familiar with and committed to ongoing projects involving the use of assistive living technologies. Furthermore, leadership emerged also as a factor in the interview material by various expressions about how QI work was of great importance in the municipality. The assistant director made it clear that anchoring of projects was a necessity for ongoing projects and that there was a system for QI work in the municipality:

*It’s my responsibility to attain goals and measures which are defined in the strategy, and to follow up on all the ongoing projects. It must be anchored in the management – we know that for everything we do!* - Assistant director

We've had focus on QI since we got re-organized, arranging semi-annual dialogue gatherings in a quality network, where the employees in the health and care districts can give input on how to succeed. - Assistant director

Nothing explicit regarding leadership was identified through document analysis of the municipality’s strategic plan, but leadership was implicit when organisational issues were described. QI workforce focus, data infrastructure and resource availability were contextual factors that emerged in meso-level interviews. The latter factors were an expression for organisational readiness and tell us something about an organisation’s maturity. Maturity—or the lack of maturity—emerged as a key contextual factor at the meso level regarding both organisational readiness, data infrastructure and challenges related to the lack of guidelines from national authorities.

**Micro level**

At the micro level, motivation to change and maturity were the two main contextual factors that emerged from the focus group interviews. Motivation to change was identified in both focus group interviews, where the informants talked about the potential benefits that could arise from using assistive living technologies:

*We would like to have this (assistive living technologies)! (Laughter and talking) …we require equipment to do INR (International Normalized Ratio=blood test for regulating anticoagulation treatment), bladder scan, oxygen saturation…and Gp (C-reactive Protein=blood test indicating infections (laughter from several). - Several nurses, focus group 1

I think that Skype could be a tool between accident and emergencies department, general practitioners and home-based care. One thing is to describe it over the phone, it’s completely different to show how the situation really is; we could provide blood pressure, pulse, O₂ saturation and such… - Nurse, focus group 2

Analysis of the interviews revealed that healthcare professionals were motivated to use assistive living technologies in daily care, if there was a practical benefit for it. However, the informants did not address leadership as a focal point when asked what it would take to integrate assistive living technologies in the care services. Leadership did, however, emerge as a factor, but related to a lack of trust in the local leader’s impact on decision making, with respect to the uptake of assistive living technologies:

*I don’t think the local leaders have a say in this. It is the municipality’s administration who writes the budget. I believe that they decide which tools to use. If they decide we should have tablets, then that would be implemented in all districts.* - Nurse, focus group 2

**Document analysis** of the municipal strategic plan identified challenges related to implementation and integration. The challenges were related directly to the lack of guidelines from national authorities regarding financial issues, standardisation of technological platforms/infrastructure/cyber security, legal issues, organisational aspects and ethical considerations:

*…financing is still undetermined. Several prerequisites must be clarified in order for the municipality to use assistive living technologies. Issues concerning legislation, ethics, cyber security, technology requirements and safe operations need to be addressed.*

These challenges were also an expression for the lack of organisational maturity, thus maturity emerged as a key factor at the meso level regarding both organisational readiness, data infrastructure and challenges related to the lack of guidelines from national authorities.


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**Focus areas, as defined in macro level policy documents.**

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All in all, the results showed that issues concerning implementation and organisational factors related to the integration of assistive living technologies in home-based care were addressed only to a small degree. The main finding at the micro level was that the technological solutions had to function properly in the day-to-day work. They described experiences with the opposite and that dysfunctional technology was discouraging and frustrating in their line of duty. This implies that maturity was also a key finding at the micro level. For example, the lack of data infrastructure was regarded as a hindrance for successful integration:

In the rest of Europe, they have a standard for everything, and they are able to integrate things much more easily. Here, each GP have their own computer system, and each municipality has their own computer system... - Adviser

The municipality lacked a sophisticated enough data infrastructure to be ready for integration of assistive living technologies in the care services.

**DISCUSSION**

Based on document analysis and interviews with both leaders and healthcare personnel, this study identified several of the contextual factors in the MUSIQ framework. More specifically, the study revealed that external motivators and project sponsorship at the macro level represented expectations from outside entities that guided senior leaders in defining a local mission and vision related to use of assistive living technologies for the municipality. These expectations were reflected in the findings at the meso level, where the senior leaders were well aware of the agenda set from above. However, many aspects still remained unclear in the macro–meso relationship, such as further financing of ongoing projects, and legal and technological aspects, because there were no guidelines from the macro level addressing these issues. Micro-level findings revealed that healthcare professionals were not very conscious about other factors than the practical use of assistive living technologies.

Previous studies in this field have used various theoretical frameworks to identify and explore factors that influence adoption, implementation and continued use of assistive living technologies. Sugarhood et al concluded that successful implementation of telecare very much depends on to what degree contextual factors are specified, understood and addressed. Greenhalgh et al have developed a study programme called ‘SCALS’, which focuses on assistive living technologies in their organisational, social, political and policy context, using a systems approach that includes interdependencies. There are no publications from the ‘SCALS’ programme to date (other than the referred study protocol), but the programme seems to be based on the same notion as our study, namely that contextual factors play a pivotal role for the understanding of implementation and integration of a technological solution into a complex healthcare system. The framework applied in our study (MUSIQ) can help us understand how factors are interdependent; for example, that external motivators at the macro level will be an incentive for leaders at the meso level to translate national QI priorities into local initiatives at the micro level. This hypothesis is partially supported by our findings. We found that the strategies developed in policy documents affected the upper management in the municipality, but healthcare personnel at the micro level were not so familiar with strategies and emphasis on assistive living technologies. The lack of such alignment between levels could represent a challenge when preparing for successful implementation of assistive living technologies in primary elderly care. A report from The King’s Fund summarises relevant evidence regarding integration of care from a multilevel perspective. In relation to interdependent factors, they underline that initiatives at the macro system must be linked to initiatives at the meso level for particular care groups and populations and at the micro level for individual service users and carers. Organisational maturity and readiness to implementation is of vital importance, but the actual use of the technology takes place on micro level—in the provision of care for the elderly. Thus, it is necessary to address this implementation gap in order to deliver the expected outcomes related to the uptake and use of assistive living technologies.

Despite of this implementation gap, the healthcare personnel (micro-level focus group interviews) in our study were motivated to change their daily practice by using technological solutions, but the lack of data infrastructure and resource availability hindered such a change. From previous research, we know that lack of organisational readiness for change is an important factor in understanding why implementation efforts fail. Uncovering these factors has important implications in how to increase the likelihood of successful implementation of assistive living technologies, which in turn potentially could reduce unnecessary cost and burden on overstretched health services.

**Strengths and weaknesses**

This case study does not formulate a solution for how to implement assistive living technologies, but the insights from the study could be used in comparable settings. One premise in this paper is to acknowledge the organisational, social, political and policy context in which assisted living technologies are implemented. The findings underpin the premise that people and technologies are linked in a dynamic healthcare system made up of multiple interacting stakeholders. We have not focused on the ‘user system’, that is, the intended user of a technological solution. This needs to be addressed for successful adoption. The implementation process should be informed by all stakeholders—individual users, service providers and technology suppliers—to ensure a person-centred, holistic and ethically based

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approach. Such co-production should be addressed in future research.

The findings from this case study pertain to the particular organisation and context prevailing in the included Norwegian municipality; other municipalities, countries and settings may illustrate different opportunities and challenges. Data collection at the macro level was not standardised and only comprises documents and not interviews. The identified documents are all valid for Norwegian municipalities working with assistive living technologies in healthcare. Moreover, the documents reflect directions and expectations that municipalities must comply with and therefore provide information paramount to understand the external environment in the study. It could be argued that our sample of informants including 17 primary care managers and healthcare professionals should have been larger. However, the involved informants represent senior managers at the meso level with the key competence that were needed to be mapped in our study, such as strategic knowledge on plans, decision making, funding and vulnerability in infrastructure. The sample of 12 healthcare professionals have daily patient contact and represents future users of the assistive living technology with similar competence and experience with such technology. Hence, their perspectives may be transferable to other similar contextual settings as described here. Still, the analysed data were rich and represented three levels (macro, meso and micro).

Another limitation is the use of the MUSIQ framework in the data analysis; because of the a priori defined themes, we could have missed out on themes relevant for the planning of an assistive living intervention.

Implications

Through this study, we have generated empirical knowledge about contextual factors that can influence the implementation of assistive living technologies in primary home care. The study already positions assistive living technologies as an innovation whose success depends on the social and organisational context. Two key implications are evident from our study. First, we have shown that various contextual factors existing in a complex healthcare system (represented by a municipality) are present and need to be addressed in order to optimise the likelihood for successful implementation. Low levels of uptake and use may be explained in part by organisational immaturity and different focus of the various stakeholders; thus, aligning interests across multiple stakeholders remains a challenge when planning for an assistive living technology intervention in primary care. Second, our findings suggest that the challenge lies in the implementation process and in the integration of assistive living technologies in municipal care service provision, beyond the initial adoption. For the municipality, there is uncertainty about guidelines from national entities, and concerted and ongoing efforts are required to integrate assistive living technologies as a routine and sustained part of primary care services. Evidence-based implementation strategies (eg, PRIME31 and CFIR32) support the notion that context affects organisational change, dissemination, innovation, implementation and knowledge translation. In a Norwegian context, it will be of vital importance to develop a clear framework and action plan within primary care in order to address the different focus of the various stakeholders involved in the implementation process. This includes clearly defined roles and responsibilities. Moreover, it is important to incorporate specific assessment for assistive living technologies into service provision; the guidelines from national authorities must be clear and unambiguous. Future studies are advised to take these aspects into consideration when planning for an assistive technology intervention in primary elderly care.

Acknowledgements

The authors would like to thank all informants for their invaluable contribution to the study. Also, great thanks to Henrik Hovland, who assisted in conducting focus group interviews.

Contributors

MTG planned the study design, was responsible for the development of data collection tools, contributed to data analysis and drafted and revised this manuscript. SW contributed to the study design, contributed to the development of data collection tools, data analysis and contributed to drafting and revision of the manuscript. IT contributed to data analysis and drafting and revision of the manuscript. All authors have read and approved the final version of the manuscript.

Funding

The study is part of a larger project ‘Development and Implementation of assistive living technologies in Municipalities’. It is funded by the Regional Research Fund for Western Norway; Centre for Age-related Medicine, Stavanger University Hospital, Norway; and the University of Stavanger, Norway.

Competing interests

None declared.

Ethics approval

Norwegian Data Protection Authority (Approval ref# 21/2013).

Provenance and peer review

Not commissioned; externally peer reviewed.

Data sharing statement

This is a qualitative study and therefore the data generated are not suitable for sharing beyond that contained within the submitted manuscript. Further information can be obtained from the corresponding author.

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*BMJ Open* 2017 7:
doi: 10.1136/bmjopen-2016-015455

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