

The beliefs and expectations of patients and caregivers about home haemodialysis: an interview study

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ABSTRACT

Objectives: To explore the beliefs and expectations of patients and their caregivers about home haemodialysis in Italy where the prevalence of home haemodialysis is low.

Design: Semistructured, qualitative interview study with purposive sampling and thematic analysis.

Setting: Four dialysis centres in Italy without home haemodialysis services (Bari, Marsala, Nissoria and Taranto).

Participants: 22 patients receiving in-centre haemodialysis and 20 of their identified caregivers.

Results: We identified seven major themes that were central to patient and caregiver perceptions of home haemodialysis in regions without established services.

Three positive themes were: flexibility and freedom (increased autonomy, minimised wasted time, liberation from strict dialysis schedules and gaining self-worth); comfort in familiar surroundings (family presence and support, avoiding the need for dialysis in hospital) and altruistic motivation to do home haemodialysis as an exemplar for other patients and families. Four negative themes were: disrupting sense of normality; family burden (an onerous responsibility, caregiver uncertainty and panic and visually confronting); housing constraints; healthcare by 'professionals' not 'amateurs' (relinquishing security and satisfaction with in-centre services) and isolation from peer support.

Conclusions: Patients without direct experience or previous education about home haemodialysis and their caregivers recognise the autonomy of home haemodialysis but are very concerned about the potential burden and personal sacrifice home haemodialysis will impose on caregivers and feel apprehensive about accepting the medical responsibilities of dialysis. To promote acceptance and uptake of home haemodialysis among patients and caregivers who have no experience of home dialysis, effective strategies are needed that provide information about home haemodialysis to patients and their caregivers, assure access to caregiver respite, provide continuous availability of medical and technical advice and facilitate peer patient support.

ARTICLE SUMMARY

Article focus

- This study aims to explore the beliefs and attitudes of patients and caregivers about home haemodialysis in a region with very low rates of home haemodialysis use.

Key messages

- Similar to patients on in-centre haemodialysis in other global regions, home haemodialysis is perceived as confronting and unsafe by patients on in-centre haemodialysis and their caregivers in regions without home haemodialysis services.
- Suggested strategies to increase the acceptability and uptake of home haemodialysis in regions without established services include educating patients about home haemodialysis as a treatment choice, assuring caregiver respite and providing round-the-clock technical and medical advice.
- Strategies that have been shown to improve uptake of home haemodialysis in other areas may be effective in regions establishing home haemodialysis programmes and warrant further evaluation.

Strengths and limitations of this study

- This is the first study to examine the expectations and beliefs about home haemodialysis among in-centre haemodialysis patients and their caregivers who have received no formal education, choice or experience of home haemodialysis.
- All interviews were conducted and coded in Italian to ensure that cultural and linguistic nuances were captured.
- The transferability of our findings to other settings is uncertain as all interviews were conducted in Italy and patients were recruited from four centres within Diaverum, a for-profit dialysis service provider.

INTRODUCTION

Patients on chronic dialysis experience significantly reduced quality of life and overall

survival compared with the general population.^{1 2} Haemodialysis therapy at home (any haemodialysis conducted at home by a patient or caregiver including frequent hours' haemodialysis and nocturnal home haemodialysis) is associated with substantially better survival^{3 4} and may improve quality of life, compared with haemodialysis in a hospital or clinic setting, although adequately powered randomised trials are lacking.^{5 6} While the National Institute for Clinical Excellence guidelines recommend that all suitable patients are offered the choice between home haemodialysis or haemodialysis in a hospital or satellite unit,⁷ the global availability and use of home haemodialysis is very low. Home haemodialysis now represents 12–25% of all haemodialysis in Australia and New Zealand,¹ whereas approximately only 1% of the nearly 400 000 patients on haemodialysis in the USA⁸ and the 21 000 patients on haemodialysis in the UK,⁹ perform their haemodialysis at home. Middle-income countries (annual per capita gross national income US\$3256–10 065) provide nearly no home haemodialysis.¹⁰

The reasons for highly variable global uptake in home haemodialysis remain incompletely understood. Previously identified barriers to home dialysis in the USA include inadequate dialysis service reimbursement or caregiver support, lack of innovative and patient-friendly dialysis equipment, competing business interests for dialysis providers, reliability of supplies and regulations that require frequent physician visits.¹¹ Patients who are asked about self-care dialysis perceive that they have insufficient knowledge and skills to perform haemodialysis and are apprehensive about the unsupervised nature of home-based dialysis and social isolation.^{12 13} While more is known about the perceptions and expectations of patients who have home haemodialysis as an active treatment choice, the perceptions and beliefs held by patients and caregivers who have little experience or opportunity of home haemodialysis are less well understood and greater understanding of them may help clinicians and providers develop successful and sustainable home haemodialysis programmes in regions without established home-based services.

This study aims to explore the beliefs and attitudes of patients and caregivers about home haemodialysis in a region with very low rates of home haemodialysis use.

METHODS

Participants were eligible if they were an adult receiving in-centre haemodialysis or an identified caregiver who had not received specific education about home haemodialysis and for whom home haemodialysis was not an available treatment option. We defined caregiver as any adult person (eg, spouse, close friend or family member) who provided care or support on a regular basis for a person on haemodialysis. We purposively selected participants to ensure that we captured the perspective of patients from a range of age, access to a

potential caregiver, duration of in-centre haemodialysis and interest in home haemodialysis as well as both genders and caregivers with a range of age, years of caring and relationships to patients and both genders. We specifically included some patients who might be eligible for home haemodialysis. All participants were recruited by their primary physician from four centres within Diaverum, a large dialysis provider in Europe, Australia and South America. The centres were located in four Italian cities (Bari, Marsala, Nissoria and Taranto) that do not currently provide home haemodialysis services.

We developed an interview guide based on a literature review on home haemodialysis^{12 14–22} and on discussion among the research team (AT/SP/GS/JC). Two weeks before the interview, participants were given a brochure on home haemodialysis (provided in online supplementary Digital Content 1) and invited to ask questions of the research team. Before the interview, participants were provided standardised verbal and written information about home haemodialysis that described the range of potential dialysis modalities (peritoneal dialysis, in-centre haemodialysis and home haemodialysis, including frequent and/or nocturnal schedules). The in-depth interview questions and prompts are provided in boxes 1 and 2. In October and November 2011, trained qualitative researchers (MR and LG) conducted face-to-face semistructured interviews with patients and caregivers in Italian, the native language of both the interviewers and participants. Recruitment was ceased when theoretical saturation was reached, defined as the time point in which little or no new concepts arose from subsequent interviews. Contextual details were recorded after each interview. All interviews were digitally audio-recorded and transcribed verbatim in Italian language.

The transcripts were entered into HyperRESEARCH (ResearchWare Inc USA V.3.0.2), a software package for storing, coding and searching qualitative data. Drawing on grounded theory and thematic analysis,^{23 24} MR and LG coded the transcripts line-by-line in the Italian language. They then independently identified concepts inductively and grouped similar concepts relating to patient and caregiver beliefs and expectations of home haemodialysis. The concepts, descriptors and supporting quotations were translated by MR and LG into English for discussion. Through a series of discussions, three authors (MR/LG/AT) reviewed and refined the coding scheme to develop themes that captured all concepts relating to patient and caregiver perspectives on home haemodialysis. To enhance the analytical framework and potential for offering meaningful insight, the thematic schema were then discussed within the research team.

RESULTS

Twenty-two haemodialysis patients and 20 of their identified caregivers participated in the study. All participants agreed to participate and their characteristics are

Box 1 Semi structured interview questions and topic guide—patient interview

- ▶ Brief introduction of the study and obtain informed consent (to introduce and provide context)
- ▶ General experiences of dialysis
 - What were your initial thoughts or reactions when you were told you needed dialysis? What about now?
 - How do you feel when you go on dialysis and how do you feel between dialysis sessions?
 - How has your life changed since you started dialysis?
 - What is the most difficult or challenging thing about dialysis? How do you cope with it?
 - Do you ever miss dialysis treatments, why? Does missing dialysis impact your well-being, how?
 - What are your life priorities at the moment? Have they changed since before you started dialysis?
- ▶ Social support
 - Knowledge: Did you know about the different dialysis treatment options before starting dialysis? (peritoneal dialysis and haemodialysis)
 - How did you come to know about them? Do you feel you received enough information about dialysis before you started dialysis, why?
 - Decision making: Which one do you think is better, why? If you were given the option between haemodialysis and peritoneal dialysis, why did you choose your current dialysis treatment?
 - Outcome preferences: If you could improve dialysis, what sorts of things would you change about dialysis? Imagine you had two types of dialysis to assess, what sorts of things would you measure or assess to determine which dialysis was better? (eg, survival, hospitalisation, dialysis adequacy, anaemia, blood pressure, nausea, cramps, headaches, quality of life—social freedom, depression, anxiety, employment control, energy, flexibility, ability to travel)
- ▶ Healthcare services
 - How happy are you with the care and treatment you are receiving in the hospital, why?
 - If you were in charge of this dialysis unit, what would you change to improve the experiences of dialysis patients?
- ▶ Home haemodialysis
 - Knowledge: what have you heard about home haemodialysis?
 - What would be the main difference for you between home haemodialysis and in-centre haemodialysis? (focus on impact on lifestyle, health and self-perception)
 - Is there anything else about home dialysis you would like to know about?
- ▶ *Provide brief description about home haemodialysis
 - Attitudes: Would you like to consider having haemodialysis at home? Why?
 - Perceived benefits: Are there any benefits of home haemodialysis compared with your current dialysis treatment? (freedom, flexibility, convenience, simplicity, effectiveness, dietary freedom, less waiting at hospital for dialysis, less travel time, ability to work or socialise, more family involvement, more privacy)
 - Perceived risks: What do you see are the risks of doing haemodialysis at home? (isolation, risk/safety, family burden, home modification)
 - Facilitators: What sorts of programmes or support do you think would help you to consider doing home haemodialysis? (plumbing, education, support, group meetings and emergency contact)
 - Support: Do you know of someone who would help you if you did dialysis at home? Have you discussed with anyone about it, if so, what do they think about home dialysis?

provided in [table 1](#). Each interview lasted between 20 and 90 min. Patients were aged between 34 and 78 years and the duration of dialysis ranged from 3 months to 26 years. Approximately half of the patients (n=9 (41%)) had a family caregiver and all except for one lived within a 30 min drive to the dialysis centre. Caregivers were aged between 38 and 78 years; most were women (n=17(85%)) and more than half (n=12 (60%)) were in a spousal relationship with the patient.

We identified three themes reflecting positive attitudes towards home haemodialysis: flexibility and freedom (increased autonomy, minimised wasted time, liberation from strict dialysis schedules and gaining self-worth); comfort in familiar surroundings (family presence and support and avoid the need for dialysis in hospital) and altruistic motivation. We identified four themes that encompassed negative attitudes: disrupted sense of normality; family burden (an onerous responsibility, caregiver uncertainty and panic and visually confronting); housing constraints and reliance on professional

healthcare (relinquishing security, isolation from peer support and satisfaction with in-centre services). A thematic schema is provided in [figure 1](#). Illustrative quotations to illustrate each theme are provided in [table 2](#). Quotations are also available in the original Italian language (see online supplementary Digital Content 2).

Positive themes

Flexibility and freedom

Increased autonomy—The participants were aware they could choose their own treatment schedule with home haemodialysis, which meant that they would be able to continue to work and participate in other day-to-day activities by scheduling dialysis away from these commitments. Some respondents believed that home haemodialysis would be particularly suited to younger patients, providing them with the opportunity to manage their multiple family, social and work roles better and increase their availability for employment.

Box 2 Semi structured interview questions and topic guide—caregiver interview

- ▶ Brief introduction of the study and obtain informed consent (to introduce and provide context)
- ▶ General experiences of caregiving
 - How long have you known your family member on dialysis?
 - How has your life changed since your family member had to go on dialysis?
 - What is the most difficult or challenging thing about caring for someone on dialysis? How do you cope with it?
 - How do you feel about your situation and is there anything you can do to improve your situation?
 - What are your life priorities at the moment? Have they changed since before caring for your loved one on dialysis?
 - Do you have any health problems yourself? Can you describe these and how you manage your own health as well as the well-being of your family member on dialysis?
- ▶ Healthcare services
 - How happy are you with the care and treatment your family member is receiving in the hospital, why?
 - If you were in charge of this dialysis unit, what would you change to improve the experiences of dialysis patients or family caregivers?
- ▶ Home haemodialysis
 - Knowledge: what have you heard about home haemodialysis?
 - What would be the main difference for you, as a caregiver, between home haemodialysis and in-centre haemodialysis? (focus on impact on lifestyle, health and self-perception)
 - Is there anything else about home dialysis you would like to know about?
 - *Provide brief description about home haemodialysis
 - Role: What do you think your role would be if your family member did dialysis at home? What might be the biggest challenge in helping someone with doing dialysis at home? Do you think you would be able to cope with these roles and responsibilities?
 - Attitudes: Would you like to consider having your family member do haemodialysis at home? Why?
 - Perceived benefits: Are there any benefits of home haemodialysis compared in-centre dialysis for you as a caregiver? (freedom, flexibility, convenience, simplicity, effectiveness, dietary freedom, waiting at hospital for dialysis, less travel time, ability to work or socialise, more family involvement and more privacy)
 - Perceived risks: What do you see are the risks of doing haemodialysis at home? (isolation, risk/safety, family burden and home modification)
 - Barriers: What do you foresee might be practical problems with home haemodialysis?
 - Facilitators: What sorts of programmes or support do you think would help you to consider doing home haemodialysis? (plumbing, support, group meetings and emergency contact)
 - Support: Do you know of someone who would help you if you did dialysis at home? Have you discussed with anyone about it, if so, what do they think about home dialysis?
 - Outcome preferences: If you could improve dialysis, what sorts of things would you change about dialysis? (travel time and energy)

Minimise wasted time—Both patients and caregivers anticipated that they would not have to waste time travelling while on home haemodialysis, which would give them additional freedom to do ‘normal’ activities. Patients were particularly frustrated about waiting in the dialysis clinic before starting dialysis and waiting for transport to return home.

Liberation from strict dialysis schedules—Some patients felt that adhering to time-intensive and rigid dialysis schedules was stressful and burdensome. Patients felt physically and psychologically burdened by the rigid constraints of in-centre haemodialysis schedules and expected that home haemodialysis would offer increased flexibility and freedom. With home haemodialysis, the participants felt they would no longer be ‘mentally obliged’ to attend their scheduled dialysis session in-centre.

Gaining self-worth—Some participants believed that doing home haemodialysis would allow them to provide better support for their family. One patient, who was a father, felt that home haemodialysis would allow him to work more and better provide for his family financially.

Comfort in familiar surroundings

Family presence and support—Home haemodialysis was perceived by patients and caregivers as a preferred

option for some patients who desired to be in their own home or with their family while having treatment. Some caregivers also felt that patients would feel more relaxed and comfortable at home with their family when on dialysis.

Avoid the need for dialysis in ‘hospitalisation’—Some participants felt they would prefer being at home rather than in clinic, because at the clinic they were surrounded by ‘sickness’. At home, they believed they would be in better ‘frame of mind’. Patients expressed that they wanted to have treatment in their own bed and did not want to see and interact with other sick patients, which some thought ‘magnified’ their own disease identity.

Altruistic motivation

A few patients expressed a keenness to help others and believed that they would consider home haemodialysis to set an example for other patients. One patient believed that haemodialysis offered a new opportunity for patients to be actively involved in their own care. Another patient, who was also a physician, felt that starting home haemodialysis himself would ‘spur the authorities’ to consider offering home haemodialysis as an option.

Table 1 Participant characteristics

Characteristics	Interviewees (n (%))
Patients (n=22)	
Gender	
Male	16 (73)
Female	6 (27)
Age	
30–39	1 (5)
40–49	5 (23)
50–59	5 (23)
60–69	7 (31)
70–79	4 (18)
Time on dialysis	
<1 year	3 (14)
1–5 years	11 (50)
6–10 years	4 (18)
>10 years	4 (18)
Vascular access	
Central venous catheter	2 (9)
Fistula	20 (91)
Has a family caregiver	
Yes	9 (41)
No	13 (59)
Travel time to dialysis centre	
<10 min	3 (14)
10–30 min	18 (81)
31–60 min	1 (5)
Caregivers (n=20)	
Gender	
Male	3 (15)
Female	17 (85)
Age (years)	
30–39	1 (5)
40–49	7 (35)
50–59	4 (20)
60–69	7 (35)
70–79	1 (5)
Years as a caregiver	
<1	1 (5)
1–5	12 (60)
6–10	3 (15)
>10	4 (20)
Relationship to patient	
Spouse or partner	12 (60)
Parent	1 (5)
Child	6 (30)
Sibling	1 (5)

Negative themes

Disrupted sense of normality

Living with a haemodialysis machine at home was perceived by some patients to be an unrelenting reminder of their disease. Some participants felt they would be unable to escape their disease and medical burden on home haemodialysis.

Family burden

An onerous responsibility—Participants, both patients and caregivers, believed that home haemodialysis would be

an overwhelming responsibility for family caregivers. They felt it would be unjustifiable and unfair to ‘enslave’ caregivers with the physical and emotional burden of dialysis. They thought that if a caregiver had to be present during the hours they were on dialysis, caregivers would therefore have to make significant personal sacrifices impacting their work and social lives. Some caregivers expressed apprehension about taking on the responsibility of dialysis and believed they would be afraid or unable to see their loved one ‘suffer’ while on the dialysis machine. One caregiver stated that they did not want to be blamed and scolded by the patient if they experienced a problem with the dialysis machine.

Caregiver uncertainty and panic—Many caregivers felt inadequate, apprehensive and unable to perform dialysis care and manage complications. For example, caregivers were afraid of needles and felt unable to assist with cannulation. Caregivers anticipated they would be incapacitated by panic and unable to help the patient if they encountered a technical problem or complication. Even with training, caregivers doubted they could successfully manage medical responsibilities which they perceived belonged to professional medical healthcare providers who had necessary expertise, training and experience.

Visually confronting—Some patients believed that having the haemodialysis machine at home would be too confronting for their family. For example, they thought family members would feel distressed at the sight blood and needles, and that home haemodialysis would be particularly ‘traumatic’ for young children.

Housing constraints

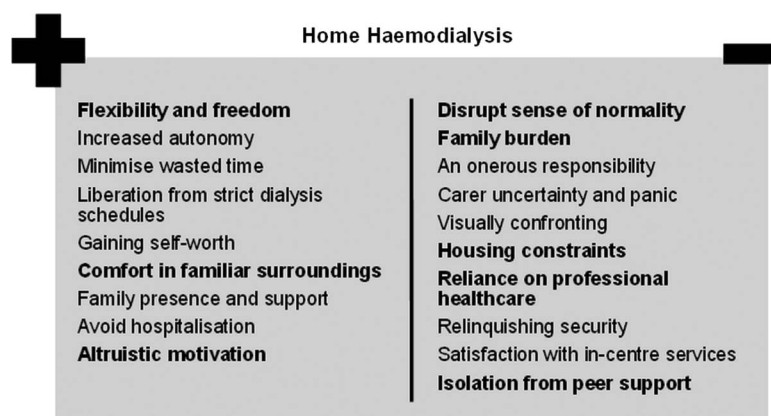
Both patients and caregivers believed that home haemodialysis would limit their living space and they were therefore reluctant to consider having a haemodialysis machine in their living space. Participants also thought that home haemodialysis would not be feasible because they had inadequate room to accommodate a machine at home. In addition, patients were concerned that they would be unable to make the necessary plumbing or electrical modifications for a dialysis machine if they did not own their home. Some felt that they were unable to ensure sufficiently sterile conditions for home haemodialysis.

Healthcare by ‘professionals’ not ‘amateurs’

Relinquishing security—Participants appreciated that physicians and nurses had more experience and expertise, which provided them with a sense of reassurance. They believed staff could remain composed and manage emergencies or complications if they occurred. For home haemodialysis, some participants were worried they might be left alone in managing their dialysis treatment.

Satisfaction with in-centre services—Some caregivers believed patients were contented with the quality of care received in the centre. They thought services were efficient and described the centre as having a ‘comforting

Figure 1 Thematic schema of patient and caregiver beliefs and expectation about home haemodialysis.



and familiar atmosphere'. Most participants also lived in close proximity to the centre and transport was coordinated and paid for by the dialysis provider. Therefore, they had little motivation or 'reason' to opt for home haemodialysis instead of in-centre haemodialysis.

Isolation from peer-support

Caregivers and patients felt that patients benefitted from the social support and camaraderie they received from staff and patients in the clinic. They believed that home haemodialysis meant losing contact with patients and staff, whom they relied on for support to cope with their disease.

DISCUSSION

This study highlights positive (flexibility and freedom, comfort in familiar surroundings and altruism) and negative (disrupted sense of normality, family burden, housing constraints and healthcare by 'professionals' not 'amateurs') patient and caregiver perspectives that are relevant when considering patient acceptance and uptake of home haemodialysis in regions without established home-based haemodialysis care. Patients and caregivers who have no direct experience of home haemodialysis believe that home haemodialysis can offer them more flexibility, freedom and time for family and work and provide physical and mental liberation from strict in-centre haemodialysis schedules. Some perceive that starting home haemodialysis is an opportunity to be an 'exemplar' for other patients, which might promote the wider acceptance and uptake of home haemodialysis by others.

However, despite the potential advantages of home haemodialysis, patients and caregivers in these regions are very concerned that home haemodialysis will be an overwhelming physical and emotional burden on caregivers and families. Patients and caregivers lack confidence that they have sufficient expertise and emotional fortitude to accept the medical responsibility of managing dialysis and its potential complications. They believe that performing home haemodialysis means relinquishing a sense of security provided in a supervised dialysis unit and will isolate them from the support

of clinicians and their peers. Caregivers, in particular, believe that patients are contented with the quality of care received in dialysis centres and would not consider home haemodialysis.

Our findings in patients on in-centre haemodialysis and their caregivers in regions without home haemodialysis services are remarkably coherent with those reported by patients established on in-centre haemodialysis in other clinical settings, including in regions that have active home haemodialysis programmes. An observational study of individuals on in-centre haemodialysis who would be eligible for nocturnal home haemodialysis found that such patients had little interest in starting nocturnal home haemodialysis (haemodialysis at home for 6–8 h, 4–6 nights/week) due to lack of confidence in performing nocturnal haemodialysis and self-cannulation, concerns over lower quality of care and fears of catastrophic clinical events on home haemodialysis.¹² In a survey of in-centre haemodialysis patients, prominent reasons for not choosing self-care dialysis (peritoneal dialysis and home and self-care haemodialysis) similarly included a belief patients should not be unsupervised on haemodialysis, fear of social isolation from peers, perceived lack of efficacy in performing self-care and needle phobia.²⁵ Previous research has shown that maintaining the status quo is an important factor when patients choose a dialysis modality.^{13 14} When balancing treatment alternatives, patients may be reluctant to change to a new treatment modality even when potential advantages are identified and recognised. This phenomenon is observed even in patients on in-centre haemodialysis in areas with relatively high home haemodialysis use, such as Australia,²⁶ and may explain why patients already established on in-centre haemodialysis across multiple settings identify strong and consistent barriers to home haemodialysis regardless of the availability of home haemodialysis services to them.

Our findings have important implications for successful initiation and implementation of new home haemodialysis programmes in regions without established services. It appears that regardless of whether patients have access to home haemodialysis services, patients who have become established on conventional in-centre

Table 2 Illustrative quotations translated from original Italian language to illustrate themes*

Themes	Quotations (English)
Flexibility and freedom Increased autonomy	<p>"Just to avoid having to come here [in the clinic], and not to have a time restrictions. On reflection, doing home haemodialysis, I could manage my time as I prefer." (47M Patient)</p> <p>"I think, I don't know if it's possible, that you can do dialysis while you are at home and have nothing else to do, and for someone who has a job this is absolutely the best solution. If I'm busy during the morning I will not do dialysis in the morning but I can do dialysis at lunch time, rather than lose an opportunity to work in the morning. On the contrary, here [in the clinic] I cannot say 'I'm busy today, I will come for dialysis in the afternoon or this evening.'" (51M Patient)</p> <p>"I welcome home haemodialysis, because I think that is very good for young people. You can manage better your things; it gives more freedom, not only time. You can decide to do 6 or 8 hours of dialysis, connecting at midnight and disconnecting at 6 in the morning and go to work." (41M Patient)</p>
Minimise wasted time	<p>"The time I waste having to come here in the dialysis clinic, the waiting time [before you can start dialysis.]" (63M Patient)</p> <p>"Sometimes you have to wait half an hour, even longer before you start dialysis, say at night, to be connected to the monitor. The driver comes to pick me up at 5.10 or 5.15 and I'm connected at 6.45...then I come home late at night." (64M Patient)</p> <p>"Someone who does dialysis wants to go home quickly, they don't want to wait. My husband [doing in-centre haemodialysis] wants to go home immediately, he does not want to wait. He does not want to wait half an hour, 5 minutes are fine, but no more. Sometimes they have wait until it is decided which driver they will go back home with, whether it is this car or the other car. 20 minutes is too much." (78F Caregiver)</p> <p>"At home he is in his environment, he does not have to wait, that's the thing; that he should not have to wait for dialysis." (79F Caregiver)</p>
Liberation from strict dialysis schedules	<p>"The only advantage that I can see is psychological. I will not be in a hurry to get ready in the morning. I can be more comfortable with my own timetable." (49M Patient)</p> <p>"At home he is in his environment, he does not have to wait, that's the thing; that he should not have to wait for dialysis." (79F Caregiver)</p> <p>"You are not mentally obliged to come here [in the clinic] in the morning...you feel psychologically freer." (64M Patient)</p> <p>"Autonomy is very important for him because he can decide to do dialysis when it is most convenient for him...he can decide independently. It is really for him, for our family it is OK, we have made arrangements. He is the one who has this need for more flexibility in shifts, for him this is a very limiting issue that he has to come here during those 3 days at a specific hour." (47F Caregiver)</p>
Gaining self-worth	<p>"My work is the only income to support my family, because I am a husband and a father and I must take care of my family, I wish they are always fine. So I am the only person in charge. If I should die, I am worried about this, and this makes me feel nervous, of course...because when you no longer have a good income, you cannot buy what is needed [for the family]." (51M Patient)</p>
Comfort in familiar surroundings Family presence and support	<p>"The comfort to be at home, being close to your family, and if you do not feel well they take care of you...I must confess that when my wife comes in the clinic, and she comes often, I am really happy." (51M Patient)</p> <p>"These family moments, this extra time you can spend with family. Doing it at home for her would be like a game because living with my children she would play with my son, with my daughter. If someone buzzes at the door, she can ask you who it is. Then if the phone rings she can spend time with someone on the phone. She sometimes carries a mobile phone here in the clinic so she can chat with someone, that's how she spends her time." (40F Caregiver)</p> <p>"For her stay at home, in her environment, is everything to her. For her to go away from home is torture...I do not know the right words to express this feeling she has." (52F Caregiver)</p>

Continued

Table 2 Continued

Themes	Quotations (English)
Avoid hospitalisation	<p>"And then, if he is with his family most of the time, he is more serene, even psychologically. For him it is not so much the physical pain or what we say, the dialysis, the issue is he does not want to be away from home." (47F Caregiver)</p> <p>"You'd feel freer I think, staying at home, in your environment where you live. While now you are in an environment where you see other sick people. Your frame of mind is much better [at home]." (50M Patient)</p> <p>"You are on your own bed, no contact with other people; you don't have to see the other's sickness, which makes you think of your own sickness, and magnifies it." (76M Patient)</p>
Altruistic motivation	<p>"Thinking also of other patients who are my friends in dialysis, young or old people; I'm inclined to do a thing like that [home haemodialysis] for them. Why not? It is a new experience, an experience of life. At least for once, we as patients will be actively involved. When I didn't have all these problems I worked in first aid, I like helping people...now I am in very bad health conditions, but I'd like to help other patients, not only for myself." (41M Patient)</p> <p>"The future of dialysis is at home, and we will be the precursors, or at least we will spur the authorities to take in serious consideration the possibility to do HDD." (76M Patient)</p>
Disrupt sense of normality	<p>"Keeping the dialysis monitor at home would be a disadvantage. Because it would be a psychological burden, you know, to see the monitor each moment of the day in your home." (65M Patient)</p> <p>"I feel I am a free and normal man, but if I should have that machine at home, it wouldn't be the same, I'd always remember my sickness." (29M Patient)</p>
Family burden	
An onerous responsibility	<p>"This [in-center haemodialysis] seems to have the lowest impact on my life, on my family members, and have the greatest return in terms of benefit and cost of living....Should I hold one of my family members to be with me 4 hours a day? Absolutely no." (48M Patient)</p> <p>"Second, I would enslave my family for at least 4 hours, 4 hours next to a machine." (48M Patient)</p> <p>"I cannot oblige a person, no matter how much she loves me, and I love her, to force her to stay with me during the treatment. If I could do it alone, ok. But I can't stand to have a person make a sacrifice for me." (49M Patient)</p> <p>"My wife, my daughter should learn, but they are not always available, they work all the day. You need a person at home with you, always." (62M Patient)</p> <p>"Because if he does [dialysis] at home then I cannot even go out because I have to be following him." (60F Caregiver)</p> <p>"The caregiver, who does not have your disease, all the sudden has to take this burden as their own. You involve him in an incredible way; you make him bear your disease." (49M Patient)</p> <p>"I do not have time to do it because I've got many other things to do." (48M Caregiver)</p> <p>"It takes a lot of patience because you should devote one day, a bad day, with him, I should always be with him...I should leave my job, there are reasons which would not allow me to do this." (62F Caregiver)</p> <p>"It is like I said, it is an issue of caregiver competence, an issue of professionalism. My husband always tells me that in the dialysis unit, they monitor blood pressure constantly. If there are issues they immediately act upon them. How could I do this? I would be very scared, I would feel like I have the burden of a big responsibility." (62F Caregiver)</p> <p>"I cannot stand seeing someone suffer." (62F Caregiver).</p> <p>"No absolutely not. I'm already shaking." (40F Caregiver)</p> <p>"I am a very apprehensive, anxious, I'm afraid to make mistakes so I would be very scared to make mistakes and not understand things." (62F Caregiver)</p> <p>"In the event of complications, I am powerless. I cannot do anything. I do not have the training of a nurse or a doctor, so if anything should happen, any complications, I wouldn't know what to do." (64F Caregiver)</p> <p>"Something could happen and I would be panicking." (49M Caregiver)</p>
Caregiver uncertainty and panic	

Continued

Table 2 Continued

Themes	Quotations (English)
Visually confronting	<p>"First, because when someone does a dialysis treatment, they need to have a trained professional person near them." (64 F Caregiver)</p> <p>"[Home haemodialysis] makes no sense to me because it takes a lot of expertise. Also because of my husband's nature, we would end up arguing all the time because he is suspicious of people, my husband would blame me if I could not handle it well at home. He always fears others will do the wrong thing." (62F Caregiver)</p> <p>"First thing I said honestly, was I will never put those needles in your arm! (48F Caregiver)</p> <p>"When a small child only sees you connected to the machine with the needles, how can you explain it? I don't like it, it is too traumatic." (34F Patient)</p>
Housing constraints	<p>"My wife and my daughter faint at the sight of blood." (48M patient)</p> <p>"I don't like to have to limit the space in my house." (48M Patient)</p> <p>"You should make the room available for the machine, the supplies...it can't be at home." (76F Patient)</p> <p>"I haven't got the room, how can I do? You must have a bed for the treatment, how can I do? (59M Patient)</p> <p>"It is a structural problem. If you live in a rental apartment you cannot make all these modifications to the house, even if small, for piping, etc." (50M Patient)</p> <p>"I have not got a sterile room. You need a clean room [for home haemodialysis]. You need to put the machine, the appropriate bed." (65F Caregiver)</p> <p>"It would be a hassle for me as well. You have to change the house, I should have to redo piping, tubing, facilities." (56M Caregiver)</p> <p>"You need a big house, a room only for you. Other people [in the family] cannot enter in that room while you have your things there. Moreover, I have a dog at my place! (58F Patient)</p> <p>"There may be technical problems, such as the dialysis machine, for example the electricity goes off, I mean, while he is doing dialysis, what can I do? The thing is I do not have an electricity generator set." (70F Caregiver)</p>
Healthcare by 'professionals' not 'amateurs'	
Relinquishing security	<p>"It is a question of safety. Here I have long term specialized doctors and paramedics who have years or decades of experience, which would certainly not be reproducible at home. If an emergency happens, here the staff are well trained. They don't need someone to tell them what to do, they do not panic." (49M Patient)</p> <p>"There are always risks, there may be risks even here, but here I can feel more confident. I've got service, there are doctors and nurses. They know exactly what to do in case of bleeding for example, but at home, I would know what to do but I haven't all the supplies. Here you have everything." (76M Patient)</p> <p>"At home you may be happier but all this fades when worries take over. The serenity of staying at home is over. If the caregiver can't come to help me for that treatment, what do I do? I will become worried, who should I call?" (49M Patient)</p> <p>"Yes, yes. You know what? I am calmer, more serene, peaceful, because there are the doctors that if anything happens, they are already here. If he feels bad the doctors and nurses never leave him. That is a very different from home. At home I can leave, go to buy groceries, I find that is not impossible (47F Caregiver)</p> <p>"I'm interested in security, specialization and the professionalism of a person who is putting his hands on a patient like this." (47M Caregiver)</p>
Satisfaction with in-centre services	<p>"She is happy in the clinic compared to the hospital; because in the past two or three times we went to the hospital, we saw the difference, there is no comparison of the situation, the level of care here is really better." (47M Caregiver)</p> <p>"This is his second home. They are exceptional. He calls [clinic staff] 'my angels'. We found a particular organization. So even if he had the benefits of a home dialysis, he would never accept that because he relies on all of them. He has that comforting, familiar atmosphere. They are all truly exceptional." (62F Caregiver)</p>

Continued

Table 2 Continued

Themes	Quotations (English)
Isolation from peer support	I am always anxious, however, I must say frankly that I am very happy with the care they provided here [in the clinic] and this makes me feel relaxed." (71F Caregiver).
	"In ten minutes it is here in the dialysis center. There's this perfect organization. Someone comes to take him and then drives him back home." (63F Caregiver)
	"Because then it is true that you would stay home more comfortable, but you will feel even more abandoned! It is true that you are at home, but in the clinic at least you have people for 4 hours talking and smiling to you." (47F Caregiver)
	"Here, perhaps, one day he's got company. If you're at home it becomes more monotonous, you get nervous." (56M Caregiver)
	"Coming here in the clinic means the patient shares this condition of uneasiness with other people that suffer the same pathology—a trouble shared is a trouble halved. Here you don't get depressed, quite the opposite you can find more courage looking at how other people live your same experience. It gives you a reason to go out, to meet and chat with people, joke with nurses and doctors, instead of closing yourself in your house, and getting even more depressed." (48M Patient)
	"I think it is better in the clinic. In the clinic at least you have people who are like you, have the same problem, and you can share your feelings with other people because you can be sure that those people who have your same problem actually understand you." (70F Caregiver)

*Quotations in original Italian language provided in online supplementary Digital Content 2.

haemodialysis may be largely negative about home haemodialysis and view it as confronting and lack confidence in their ability to learn the technique. In contrast, patients experienced in home haemodialysis in other regions may be more positive and enthusiastic about home haemodialysis as a treatment choice and report generally high levels of satisfaction.^{15 16} This disparity in attitudes and perceptions of home haemodialysis associated with current treatment modality suggests that discussions about treatment options for end-stage kidney disease that include home haemodialysis should be tailored to the existing haemodialysis experiences of patients and their families, and such targeted education may increase the acceptability and subsequent uptake of home haemodialysis for all patients.

Consistent with this approach, earlier studies have shown that patients and their caregivers in the predialysis phase of care and who have received comprehensive predialysis information about all modalities of dialysis treatment (including conservative care) are more likely to choose a home-based dialysis modality over other treatment options.^{27–29} However, given that the majority of the small number of home haemodialysis patients in the USA has experienced in-centre haemodialysis before starting home therapy, it is likely patients and caregivers concerns about home haemodialysis can be overcome with intensive educational strategies. Accordingly, the effectiveness of education about home haemodialysis for patients currently treated with in-centre haemodialysis warrants further study. In addition, given the present study is conducted with patients and their families currently treated with dialysis, the effects of predialysis education on patient and caregiver treatment preferences in regions without established home haemodialysis also deserve further evaluation. We have generated potential strategies and recommendations to increase the acceptability of home haemodialysis among patients and family caregivers in table 3 based on our data and the existing literature. We acknowledge that the relevance, appropriateness and effectiveness of these strategies may be different between predialysis and prevalent dialysis patients. The educational and support interventions may be delivered by specific nurse specialists involved in predialysis care and education and included as a part of predialysis clinics. Moreover, we suggest establishing database management and communication between the team members to plan and implement educational strategies, offering group education with patients and families, providing video-based and online materials for patients and families and allowing patients and families to meet other patients who are established on home therapies.

To our knowledge, this is the first study to examine the expectations and beliefs about home haemodialysis among in-centre haemodialysis patients and their caregivers who have received no formal education, choice or experience of home haemodialysis. The key characteristics of the studied population, including mean age,

Table 3 Strategies and recommendations to promote the acceptability of home haemodialysis among patients and family caregivers

Strategy	Action plan
Education	<ul style="list-style-type: none"> ▶ Discussions about treatment options for end-stage kidney disease that include home haemodialysis should be tailored to the existing haemodialysis experiences of patients and their families ▶ Meet other patients on home dialysis therapies (haemodialysis, nocturnal haemodialysis and peritoneal dialysis) to listen to their experiences
Minimise intrusiveness of home haemodialysis	<ul style="list-style-type: none"> ▶ Use home haemodialysis machines that are less conspicuous (small sized and portable) and require minimal home modifications ▶ Promote awareness about home haemodialysis machines that are smaller and easy to operate ▶ Provide practical tips on minimising the visibility of home haemodialysis within the home
Provide support and respite for caregivers and family members	<ul style="list-style-type: none"> ▶ Increase awareness of home haemodialysis equipment that require minimal or no caregiver assistance ▶ Identify and implement a forum for patients and families/caregivers to discuss experiences and decisions (online/physical) ▶ Appoint a dedicated mental health worker in the clinical team ▶ Ensure access to social work services (caregiver respite and allowance) ▶ Network with caregiver or consumer organisations and identify respite and support services for caregivers and families
Maintain patient access to medical and technical support	<ul style="list-style-type: none"> ▶ Offer home visits as determined on an individual, need-by-need basis ▶ Provide 24 h availability (eg, hotline) of clinical and technical staff
Minimise social isolation	<ul style="list-style-type: none"> ▶ Organise forums or social events for patients and caregivers (eg, face-to-face, telephone and web-based contact) ▶ Consider set up of community homes for haemodialysis
Promote self-efficacy	<ul style="list-style-type: none"> ▶ Use home haemodialysis machines that are intuitive and simple to configure, programme and disconnect ▶ Provide comprehensive and timely home haemodialysis education and training (eg, individual training, forums, question and answer sessions and print and multimedia resources) ▶ Encourage the importance and benefits of independence and self-care ▶ Recruit home haemodialysis 'patient exemplars' ▶ Facilitate opportunities to learn from patients who are successfully performing home haemodialysis

proportion with various comorbidities, mean values of Kt/V, albumin, treatment time, number of treatments per week, haemoglobin, ferritin, calcium, phosphorus, calcium×phosphorus product, interdialysis body weight gain, mean arterial pressure and proportion of diabetics are similar to those reported in the Italian dialysis and transplantation registry annual report (available at www.ridt.org). All interviews were conducted and coded in Italian to ensure that cultural and linguistic nuances were captured. However, our study has some limitations that suggest caution. The transferability of our findings to other settings is uncertain as all interviews were conducted in Italy and patients were recruited from four centres within Diaverum, a for-profit dialysis service provider. Despite this, similar findings have been

identified in other studies on patient-perceived barriers to home haemodialysis.^{12 30} Notably, we did not purposively capture perspectives from only patients who were eligible for home haemodialysis. It is possible that patients and their families who were most concerned about home haemodialysis would not have been eligible for this treatment option and may have intensified the negative themes we observed. However, the perspectives and attitudes we captured are similar to those of patients in other regions already on in-centre haemodialysis who are considered eligible for home-based haemodialysis.¹²

As a result of scarce data, further research is required to assess whether specific education strategies and support networks will increase the preference for and acceptability

of home haemodialysis for patients and their caregivers in our regions. Although patients on peritoneal dialysis report greater satisfaction with care than patients on in-centre haemodialysis,³¹ additional research would provide valuable insight into the relative satisfaction of patients on differing home based therapies (haemodialysis and peritoneal dialysis). Limited high-quality data are available on the effect of information and support strategies for caregivers of people with chronic kidney disease; additional development and evaluation of services that specifically support carers and families would be valuable.³² Recently, a randomised trial has shown that more frequent in-centre haemodialysis (6 times/week) may improve survival and cardiovascular outcomes compared with conventional (3 times/week) in-centre haemodialysis.³³ Adequately powered randomised trials of home haemodialysis (long-hours, increased frequency or nocturnal) compared with in-centre haemodialysis would provide more information on the effects of home haemodialysis on survival and quality of life.

Increased utilisation of home haemodialysis has been strongly advocated to promote autonomy, self-sufficiency, and a sense of mastery in the management of end-stage kidney disease and may improve clinical outcomes and overall patient well-being. However, despite the potential for increased independence and treatment freedom with home haemodialysis, patients established on in-centre haemodialysis are generally negative about home haemodialysis and hold concerns about caregiver burden, treatment intrusiveness, and their inability to manage dialysis and its potential complications. It is likely these perspectives and attitudes toward home haemodialysis are common to all patients established on in-centre haemodialysis regardless of the availability of home services in their region. Individualised education and information for patients and their families approaching end-stage kidney disease is therefore needed before patients start dialysis. Specific education about home haemodialysis and opportunities to learn from the experiences of other home dialysis patients in the predialysis phase of care may increase patient acceptability and uptake of home haemodialysis in regions without home haemodialysis services. In addition, educational strategies that increase patient acceptance of home haemodialysis once they have commenced in-centre haemodialysis warrants investigation.

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Supplementary Digital Content 2

Themes	Quotations (Italian)
Flexibility and freedom	
Increased autonomy	<p>Pensavo questa cosa, proprio per evitare di venire qua, o per non avere i vincoli di orari. Riflettendoci, tu pensi avendo La dialisi a domicilio, io mi posso gestire gli orari come voglio io.</p> <p>Beh, penso, non so se poi si può fare, che uno può gestire la dialisi durante le ore che magari sta a casa senza far nulla, di conseguenza per un lavoratore sicuramente è la soluzione migliore. Se io la mattina ho un impegno non faccio la dialisi la mattina, ma la faccio magari all'ora di pranzo, piuttosto perdere un'opportunità lavorativa della mattina, quindi posso gestire, diversamente qui non è che posso dire "vedi che ho da fare con...e quindi vengo il pomeriggio o vengo la sera".</p> <p>ben venga l'emodialisi, perché comunque io penso che sia più propenso per i giovani fare una cosa del genere, perché abbiamo più possibilità di poterci gestire, insomma, in modo positivo soprattutto, e poi ci darebbe o comunque mi da più disponibilità di libertà, non dico di orari, però di decidere un 6 ore, 8 ore di dialisi che ben venga, cioè l'attacco a mezzanotte alle 6 della mattina stacco e vado a lavorare</p>
Minimise wasted time	<p>La perdita di tempo per venire qui, l'attesa.</p> <p>Quel fatto di aspettare certe volte mezzora, anche di più alla sera, non dico all'attacco, perché sai l'autista viene a prendermi alle 5 e 10, 5 e un quarto per attaccarci alle 7 meno un quarto, adesso. ..e quindi si arriva tardi a casa.</p> <p>Perché uno che fa la dialisi vuole andare a casa, non vuole stare ad aspettare. Secondo mio marito mi sto sfogando con lei. F: No, non si preoccupi. F2: Secondo mio marito bisogna sapere questo e questo va con questa macchina e cerchiamo di farli andare, non che devono aspettare mezzora. Sono assai, 20 minuti no, 5 minuti, 10 minuti sì. Questo non viene fatto.</p> <p>Perché sta a casa nel suo ambiente, non deve aspettare, è quella la cosa che non deve aspettare.</p>
Liberation from strict dialysis schedules	<p>L' unico beneficio che io potrei trarre, che potrei vedere è il fatto psicologico. Che non avrei fretta alla mattina nel prepararmi... e sono più comodo negli orari.</p> <p>Mentalmente non si sentono obbligati di venir qua alla mattina cose, penso ..psicologicamente anche più liberi si sentono</p> <p>L' autonomia perché anche lui lo può fare, in un orario in cui..Decide lui ed è più comodo per lui, Per conto della vostra famiglia.. Per lui, la famiglia va bene..ormai noi siamo organizzati e lui che ha, cioè quest'esigenza di avere più flessibilità dei turni, perché lui, a lui, lo condiziona molto Il fatto che deve venire questi 3 giorni, condiziona molto che deve venire a quell'ora</p>
Gaining self-worth	<p>perché so che il mio unico, come dire, entrata economica per sostenere la famiglia, perché io poi insomma, io mi sento un padre un marito a cui tengo alla famiglia che voglio sempre che stiano sempre bene. Quindi sono io esclusivamente responsabile. Se manco io, voglio dire, cioè mi preoccupa, e questo mi provoca determinate situazioni di disagio, chiaramente...perché quando non entrano i soldi in casa non si può andare a fare la spesa per interderci.</p>
Comfort in familiar surroundings	
Family presence and support	<p>Quindi, a parte quello, ma anche la comodità di stare a casa, di stare vicino ai familiari, che se non stai bene loro ti...io non nascondo che quando viene mia moglie a trovarmi, viene spesso, io sono contento.</p> <p>Questi momenti in famiglia, questi momenti in più in famiglia. Poi farlo a casa per lei sarebbe anche un gioco perché vivendo con i miei figli ora manderebbe mio figlio, mo mia figlia. Mo c'è il postino che squilla, quindi lei ti chiede chi è. Per dire un'eresia,mo c'è il telefono che squilla, semmai glielo puoi pure passare. Lei a volte qua si porta il telefonino così chiacchiera con qualcuno, passa il tempo ma non lo fa neanche.</p> <p>Lei stare a casa, cioè non uscire dal suo ambiente, lei andarsene da casa prende come se va tra virgolette a una tortura...non so i termini adatti per dirlo.</p> <p>E poi, se lui sta più tempo in famiglia, lui è più sereno, anche psicologicamente . Per lui non è tanto il dolore fisico o quello che diciamo , gli comporta la dialisi, proprio la questione psicologica, cioè lui non si vuole allontanare da casa, non so se..</p>
Avoid hospitalisation	<p>Uno si sente più libero penso, sei nel tuo ambiente, dove vivi, mentre adesso sei in un ambiente dove vedi anche altra gente malata.</p> <p>Innanzitutto sul letto di casa propria, non si ha contatto umano con gli altri, non si vedono (...) degli altri, poi uno pensa alle proprie, le ingigantisce.</p>
Altruistic motivation	<p>Io penso anche ai miei amici di dialisi che possono essere giovani o anziani, io sono propenso a fare una cosa del genere. E perché no? E' un'esperienza, questa è un'esperienza, comunque, di vita. Almeno questa volta passiamo dalla parte attiva. Io sono stato soccorritore quando non avevo grossi problemi e ho fatto anche il soccorritore e a me piace aiutare la gente. (...) sto in pessime condizioni, però preferisco aiutare anche gli altri, che me stesso.</p> <p>futuro della dialisi è domiciliare e noi saremo degli antesignani o perlomeno stimoleremmo a far sì che le autorità sanitarie prendessero in seria considerazione l'eventualità del domiciliare.</p>
Disrupt sense of normality	<p>io mi sento un uomo libero e normale, avere questa macchina in casa mia, non sarebbe più, mi ricorderebbe sempre la patologia che ho già quello (il macchinario in casa) sarà uno svantaggio. Psicologicamente sarebbe un peso vedere sempre la macchina in casa</p>
Family burden	

An onerous responsibility	<p>Mi sembra che questa [in center HD] abbia il minor impatto sulla mia vita, sulla vita dei miei familiari e sia quella che ha come costo benefici per la mia vita il più alto rendimento... dovrei condizionare un mio familiare a stare con me 4 ore? No, assolutamente no.</p> <p>Secondo perché devo rendere schiavo un mio familiare per 4 ore minimo, 4 ore vicino a una macchina</p> <p>Non posso io, obbligare una persona, per quanto possa essere una persona cara, che gli voglio un bene dell'anima, non posso obbligarla a stare con me, a fare il trattamento. Se io potessi farlo da solo, tutto da solo potremmo anche vedere un po', ma avere accanto una persona che si deve sacrificare insieme a me.</p> <p>Dovrebbe imparare, mia moglie, mio figlio e non è che loro possono stare lì a disposizione, mio figlio lavora, cioè lavorano tutti. ...cioè facendolo a casa, ci vorrebbe anche una persona che al momento che io dovrei fare la dialisi, questa terapia, c'è una persona presente, a tutti gli effetti.</p> <p>avere una persona accanto che non è portatrice Del tuo male, ma tu L fai portatrice Del tuo male, La coinvolgi in una maniera incredibile</p> <p>Perché se lo fa a casa poi non posso neanche più uscire perché devo stare appresso a lui"</p> <p>"Il tempo materiale non ce l'ho di farlo perché c'ho tanto da fare ancora.</p> <p>Ci vuole molta pazienza perché si dovrebbe dedicare un giorno sì un giorno no a lui, stare sempre ...io dovrei abbandonare il mio lavoro ma...ci sono cose anche organizzative che non mi consentirebbe.</p> <p>Si come le dicevo, quelli legati all'incompetenza di colui che assiste, alla mancanza di professionalità. Mio marito mi dice che viene monitorata sempre la pressione, eventualmente intervengono, come si fa? Io avrei paura mi sentirei gravata di una grande responsabilità.</p> <p>Non ce la faccio a vedere soffrire qualcuno.</p> <p>un bambino piccolo che ti vede..come glielo vai a spiegare (non mi piace, un po' traumatico</p> <p>mia moglie e mia figlia, tanto per dire, se vedono una goccia di sangue svengono</p>
Caregiver uncertainty and panic	<p>No assolutamente no. Non è proprio..già mi sto agitando"</p> <p>Io poi sono un tipo molto apprensivo, sono ansiosa quindi avrei paura di sbagliare di non capire.</p> <p>"In caso di complicazioni...lo sono impotente. Non sono capace di far niente"</p> <p>non ho la preparazione di un infermiera,o di un medico, per cui qualsiasi impedimento qualsiasi complicità ..non saprei"</p> <p>"Potrebbe succedere qualcosa ed io mi troverei nel panico"</p> <p>Perché innanzitutto quando uno fa la dialisi ha bisogno di una persona professionale che gli stia accanto, numero uno</p> <p>Si per me non ha senso sia perché ci vuole molta competenza. Anche per il suo carattere. Finiremmo poi col litigare "Hai fatto questo..". Perché lui è un tipo..non si fida molto. Ha paura che gli altri sbagliano.</p> <p>"La prima cosa che ho detto io, quegli aghi non te li metterò mai nel braccio, sinceramente"</p>
Visually confronting	<p>un bambino piccolo che ti vede..come glielo vai a spiegare (non mi piace, un po' traumatico</p> <p>mia moglie e mia figlia, tanto per dire, se vedono una goccia di sangue svengono</p>
Housing constraints	<p>Andare a limitare lo spazio dentro a casa mia non mi sta neanche bene.</p> <p>Bisognerebbe tenere tutta la stanza vuota per la macchina, per le medicine..non può andare a casa.</p> <p>io non CE l'ho La stanza, come faccio, devi avere un letto per fare La dialisi, come si fa?</p> <p>Strutturale esatto, ma se uno abita in affitto non è che può fare tutte queste modifiche , piccole per quanto siano, tubazioni di acqua da passare, c'è da fare modifiche.</p> <p>Si, si. Di tempo e anche la casa non è che ho la stanza sterile. Ci vuole la camera sterile. Metti il macchinario, il letto adeguato.</p> <p>E no perché sarebbe una scocciatura pure anche per me, come fai? Devi cambiare la casa, deve fare l'impianto.</p> <p>Però deve essere una casa grande. Una camera solo per me. Non devono passare gli altri, le cose. Di più ho un cane a casa.</p> <p>Si, magari potesse avere la possibilità di averlo a casa, appartiene il fatto che potrebbero esserci dei problemi tecnici, no ad esempio la macchina, a me per esempio mi va via la corrente , voglio dire, mentre lui sta facendo La dialisi, che faccio? Non ho il. Il coso La, il gruppo elettrogeno.</p>
Reliance on professional healthcare	
Relinquishing security	<p>Sicurezza. Qui ho a che fare con medici e paramedici che hanno a che fare con un'esperienza di anni, decenni, cosa che non sarebbe assolutamente riproducibile a casa. Succede un'emergenza, qui il personale è addestrato, non gli devi dire quello che deve fare, non si fa prendere dal panico, cioè i rischi ci sono sempre, possono esserci anche qua i rischi, però qua posso stare un poco più tranquillo, c'ho un'assistenza, ci sono dei medici, e penso sono medici e non è che sono,sono infermieri, sono professionali, ma a casa, ...cioè alcune volte mi è successo, siccome io faccio pure i numeri...e quando mi staccano, ho visto, parecchie volte mi è capitato che esce sangue, e mi agito, perché purtroppo...perciò è qua ci sono subito le infermiere, ti tolgono il tampone, ma se mi dovesse succedere a casa, io oramai so come comportarmi, però, non ho diciamo il materiale, le..qualche cosa..invece qua sta tutto.</p> <p>La serenità di stare a casa, però viene annullato nel momento in cui le preoccupazioni subentrano, allora io devo iniziare a fare La dialisi, chiamo La persona e dice, no non posso venire, e allora che faccio? Mi agito, a chi mi devo rivolgere?</p> <p>Si, si. Sa cos'è? Non per il fatto che io voglio essere libera , però sono più tranquilla Donna 1 - è più serena Donna 2 - sono più tranquilla che ci sono i dottori che se succede qualcosa sta già il dottore, se si sente male sta il dottore c'è l'infermiere che non lo lasciano, sta appresso a lui. Cioè è tutta una cosa diversa qua da casa. Io distrattamente lo posso lasciare, vado a fare la spesa rientro, lo trovo che non, no...no, una cosa impossibile.</p> <p>Cioè non è una problematica a me mi interessa la sicurezza, la specializzazione e la professione di una persona che sta mettendo mani su, su un paziente del genere</p>

	diciamo
Isolation from peer support	<p>perché poi è vero che staresti a casa, più comodo, ma forse ti sentiresti anche più...abbandonato! Perché è vero che sei a casa, però qui almeno hai gente, passi 4 ore parlando con le persone a fianco, anche gli infermieri che ti viene, ti sorridono, anche quel poco che possono fare, stando a casa.</p> <p>Qua magari, meno male un giorno sì, c'ha compagnia. Se stai a casa diventi più monotono, nervosa</p> <p>Il fatto di venire qui significa condividere questa mia situazione di disagio con altre persone che hanno lo stesso tipo di patologia, mal comune mezzo gaudio, in un certo senso, qui non ti deprimi, anzi puoi avere ulteriore coraggio vedendo gli altri come vivono questa tua esperienza, è un motivo anche per uscire, per incontrare e per dialogare con altre persone, la battuta, lo scherzo, gli infermieri, gli stessi medici e non invece chiudersi in casa, stare in casa e deprimersi ulteriormente</p> <p>Però io vedo più idôneo farlo in una clinica, dove almeno hai vicino gente, che come te, ha lo stesso problema e puoi condividere quello che tu provi con altre persone, perché è sicuro che chi non ha il problema certe cose non le capisce</p>
Satisfaction with in-centre services	<p>“Lei si sente contentissima perché, due o tre volte siamo andati in ospedale non c'è paragone della situazione, livello di assistenza”</p> <p>“Perché lui ormai, questa è la sua seconda casa. Loro, non perché presenti, sono eccezionali. Lui li chiama 'i miei angeli'. Abbiamo trovato un'organizzazione particolare. Perciò lui anche se avesse, che so, dei benefici da una dialisi domiciliare, penso che non accetterebbe mai perché lui si affida a tutti loro. Ha quel conforto, quell'atmosfera familiare. Sono tutti veramente eccezionali.</p> <p>sono sempre in ansia comunque devo dire con molta franchezza che sono molto soddisfatta di come è seguito qui, per cui ...</p> <p>In dieci è qui nel centro dialisi. C'è questa perfetta organizzazione per quanto riguarda il prelevare, riaccompagnarlo a casa.</p>

