

Table S1. Search strategy

MEDLINE 1946 to October 17, 2022

- 1 exp renal insufficiency, chronic/ or exp kidney failure, chronic/
- 2 chronic kidney disease.tw.
- 3 kidney condition.tw.
- 4 exp Renal Replacement Therapy/ or exp Renal Dialysis/ or exp Kidney Transplantation/
- 5 renal dialysis/ or exp haemodialysis, home/ or exp peritoneal dialysis/
- 6 dialysis.tw.
- 7 (haemodialysis or haemodialysis).tw.
- 8 peritoneal dialysis.tw.
- 9 end stage renal disease.tw.
- 10 kidney transplant recipient.tw.
- 11 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10
- 12 covid\$.tw.
- 13 coronavirus\$.tw.
- 14 12 or 13
- 15 11 and 14
- 16 grounded theory/ or exp qualitative research/
- 17 interview\$.tw.
- 18 Focus group\$.tw.
- 19 Thematic\$.tw.
- 20 Qualitative\$.tw.

- 21 Grounded theory.tw.
- 22 Phenomenol\$.tw.
- 23 exp Knowledge/ or exp Health Knowledge, Attitudes, Practice/
- 24 exp Psychology, Social/
- 25 exp "Quality of Life"/
- 26 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25
- 27 15 and 26

Embase 1974 to October 17, 2022

- 1 exp renal insufficiency, chronic/ or exp kidney failure, chronic/
- 2 chronic kidney disease.tw.
- 3 kidney condition.tw.
- 4 exp Renal Replacement Therapy/ or exp Renal Dialysis/ or exp Kidney Transplantation/
- 5 renal dialysis/ or exp haemodialysis, home/ or exp peritoneal dialysis/
- 6 dialysis.tw.
- 7 (haemodialysis or haemodialysis).tw.
- 8 peritoneal dialysis.tw.
- 9 end stage renal disease.tw.
- 10 kidney transplant recipient.tw.
- 11 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10
- 12 covid\$.tw.
- 13 coronavirus\$.tw.
- 14 12 or 13

15 11 and 14

16 grounded theory/ or exp qualitative research/

17 interview\$.tw.

18 Focus group\$.tw.

19 Thematic\$.tw.

20 Qualitative\$.tw.

21 Grounded theory.tw.

22 Phenomenol\$.tw.

23 exp Knowledge/ or exp Health Knowledge, Attitudes, Practice/

24 exp Psychology, Social/

25 exp "Quality of Life"/

26 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25

27 15 and 26

28 limit 27 to (English language and yr.="2020 -Current")

CINAHL to October 17, 2022

- S23 S15 AND S20 limit to from 2020
- S22 S15 AND S20 Limit to English
- S21 S15 AND S20
- S20 S16 OR S17 OR S18 OR S19
- S19 "Patient experience"
- S18 "Patient perspective"
- S17 (MH "Semi-Structured Interview") OR (MH "Interview Guides") OR (MH "Unstructured Interview") OR (MH "Structured Interview") OR "interview"
- S16 (MH "Qualitative Studies+") OR "qualitative" OR (MH "Ethnological Research") OR (MH "Grounded Theory") OR (MH "Phenomenological Research")
- S15 S9 AND S14
- S14 S10 OR S11 OR S12 OR S13
- S13 (MH "Telehealth+") OR "covid-19 telehealth" OR (MH "Telemedicine+") OR (MH "Remote Consultation")
- S12 "COVID-19 outbreak"
- S11 (MH "Stay-at-Home Orders") OR "covid lockdown" OR (MH "SARS-CoV-2")
- S10 (MH "COVID-19") OR "covid-19" OR (MH "COVID-19 Vaccines") OR (MH "COVID-19 Pandemic")

- S9 S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8
- S8 "Renal transplantation" OR (MH "Kidney Transplantation+")
- S7 (MH "Kidney Transplantation+") OR "kidney transplantation" OR (MH "Pancreas-Kidney Transplantation")
- S6 (MH "Dialysis+") OR "dialysis" OR (MM "Dialysis Patients") OR (MM "Home Dialysis") OR (MH "Peritoneal Dialysis+")
- S5 (MH "Dialysis+") OR "dialysis" OR (MM "Dialysis Patients") OR (MM "Home Dialysis") OR (MH "Peritoneal Dialysis+")
- S4 (MH "Renal Replacement Therapy+") OR (MH "Continuous Renal Replacement Therapy+") OR (MH "Haemodialysis+") OR (MM "Home Dialysis") OR (MM "Kidney Transplantation") OR (MH "Peritoneal Dialysis+")
- S3 (MH "Kidney Failure, Chronic+") OR "end stage renal disease"
- S2 (MH "Kidney Failure, Chronic+") OR (MH "Renal Insufficiency, Chronic+") OR (MH "Kidney Diseases+") OR "chronic kidney disease"
- S1 (MH "Renal Insufficiency+") OR (MH "Kidney Transplantation+") OR (MH "Kidney Failure, Acute+") OR (MH "Pancreas-Kidney Transplantation") OR "kidney condition"

Table S2. Comprehensiveness of reporting in included studies*

Item	Studies reporting each item	Number of studies
Personal Characteristics		
Interviewer/facilitator identified	(1-13)	13
Occupation	(6-8, 10, 12-18)	11
Experience and training	(6, 7, 10-12, 15, 18)	7
Relationship with participants		
Relationship established before the study start	(1, 4, 6, 7, 9, 11, 12, 16, 18-22)	13
Participant selection		
Selection strategy	(1-14, 17, 21-23)	18
Method of approach of recruitment	(1-13, 15-21, 24, 25)	22
Sample size	(1-33)	33
No. and/or reasons for nonparticipation	(2, 5, 7, 8, 10, 11, 15-17, 20, 21, 25, 33)	13
Setting		
Venue of data collection	(2-19, 21-25, 28, 33, 34)	26
Presence of non-participants (e.g. clinical staff)	(16)	1
Description of sample	(1-25, 30, 32, 33)	28
Data collection		
Questions, prompts or topic guide	(1-3, 6-12, 15-17, 22, 24, 25)	16
Repeat interviews/observations	(1, 15, 33)	3
Audio/visual recording	(1-3, 6-8, 10-13, 15, 17, 18, 22-25, 30, 32)	19
Field notes	(1-5, 10, 15, 17)	8
Duration of data collection	(1-3, 6, 7, 10-12, 15-17, 22, 25)	13
Translation and interpretation	(8, 10, 11, 13, 16, 20)	6
Protocol for data preparation and transcription	(1-3, 5, 9-12, 18, 21, 22, 24)	12
Data (or theoretical) saturation	(1-4, 10-13, 18, 22, 24)	11
Data analysis		
Researcher/expert triangulation	(1, 3, 6, 7, 9-13, 15, 17, 18, 21, 22, 24, 25)	16
Translations	(10, 13, 16)	3
Derivation of themes or findings	(1-13, 15-18, 21, 22, 24, 25)	21
Use of software	(1-3, 10-12, 14, 15, 17, 18, 24, 25, 34)	13
Member checking	(10-13, 15, 17, 18, 21, 24)	9
Reporting		
Participant quotations or raw data provided	(1-3, 5-7, 9-13, 15-18, 20-22, 24, 25, 30, 33)	22
Range of depth of insight into participant perspectives	(1-13, 15, 24, 25)	16

* Abstracts were not reported if data was not clearly reported.

Table S3. COREQ appraisal

Item	Antoun 2021	Arevalo Iraheta 2021 *	Arevalo Iraheta 2022	Beaude t 2022 ^	Bonenk amp 2021 ^	Cuevas - Budhart 2022	Danton 2022	Davis 2022	Figueir edo 2021 *	Fortin 2021 *	Gordon 2022 *
Personal Characteristics											
Interviewer/facilitator identified	Y	-	N	N	N	N	N	N	-	-	-
Occupation of the interview/facilitator	N	-	Y	Y	N	N	N	N	Y	-	-
Experience or training in qualitative research	N	-	Y	N	N	N	N	N	-	-	-
Relationship with participants											
Relationship established before study start	Y	-	N	Y	Y	N	N	N	-	-	-
Participant selection											
Selection strategy	Y	-	N	N	N	N	N	N	Y	-	-
Method of approach or recruitment	Y	-	Y	Y	Y	Y	Y	N	-	-	-
Sample size	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
No. and/or reasons for nonparticipation	N	-	Y	Y	Y	N	Y	Y	-	-	-
Setting											
Venue of data collection	N	-	Y	Y	N	Y	Y	Y	Y	-	Y
Presence of nonparticipants (e.g., clinical staff)	N	-	N	Y	N	N	N	N	-	-	-
Description of sample	Y	-	Y	Y	Y	Y	Y	Y	Y	-	-
Data collection											
Questions, prompts or topic guide	Y	-	Y	Y	N	Y	Y	N	-	-	-
Repeat interviews/observations	Y	-	Y	N	N	N	N	Y	-	-	-
Audio/visual recording	Y	-	Y	N	N	Y	Y	N	-	-	-
Field notes	Y	-	Y	N	N	N	N	N	-	-	-
Duration of data collection	Y	-	Y	Y	N	N	Y	N	-	-	-
Translation and interpretation	NA	-	N	Y	Y	N	NA	NA	-	-	-
Data preparation and transcription	Y	-	N	N	N	Y	N	N	-	-	-
Data (or theoretical) saturation	Y	-	N	N	N	Y	N	N	-	-	-
Data Analysis											

Researcher/expert triangulation	Y	-	Y	N	N	Y	Y	N	-	-	-
Translation	NA	-	N	Y	N	N	NA	NA	-	-	-
Derivation of themes or findings	Y	-	Y	Y	N	Y	Y	N	-	-	-
Use of software	Y	-	Y	N	N	Y	Y	N	Y	-	-
Member checking	N	-	Y	N	N	Y	N	N	-	-	-
Reporting											
Participant quotations or raw data provided	Y	-	Y	Y	Y	Y	Y	Y	-	-	-
Range of depth of insight into participant perspectives	Y	-	Y	N	N	Y	Y	N	-	-	-

*Abstract only; - not all COREQ domains could be assessed for publications reported as abstract only; Y: yes; N: no; NA: not applicable.

Item	Guha 2021	Haokip 2020	Heyck Lee 2022	Huuskes 2021	John 2021 *	Kanavaki 2021*	Lunney 2021	Malo 2022	McKeaveney 2021	McKeaveney 2022	Ng 2021 *
Personal Characteristics											
Interviewer/facilitator identified	Y	N	N	Y	-	-	Y	Y	Y	N	-
Occupation of the interview/facilitator	N	N	N	N	-	-	N	N	N	N	-
Experience or training in qualitative research	N	N	N	N	-	-	N	Y	N	N	-
Relationship with participants											
Relationship established before study start	N	Y	Y	N	-	-	Y	Y	N	Y	-
Participant selection											
Selection strategy	Y	N	Y	Y	-	-	Y	Y	Y	Y	-
Method of approach or recruitment	Y	Y	Y	Y	-	-	Y	Y	Y	N	-
Sample size	Y	Y	Y	Y	-	-	Y	Y	Y	Y	Y
No. and/or reasons for nonparticipation	Y	N	Y	N	-	-	Y	Y	N	N	-
Setting											
Venue of data collection	Y	Y	Y	Y	Y	-	Y	Y	Y	Y	-
Presence of nonparticipants (e.g., clinical staff)	N	N	N	N	-	-	N	N	N	N	-
Description of sample	Y	Y	Y	Y	-	-	Y	Y	Y	Y	Y
Data collection											
Questions, prompts or topic guide	Y	N	N	Y	-	-	N	Y	N	Y	-
Repeat interviews/observations	N	N	N	N	-	-	N	N	N	N	-
Audio/visual recording	Y	N	N	Y	-	-	N	Y	N	Y	Y
Field notes	Y	N	N	Y	-	-	Y	N	Y	N	-
Duration of data collection	Y	N	N	Y	-	-	N	Y	N	Y	-
Translation and interpretation	NA	NA	NA	NA	-	-	NA	Y	NA	NA	-
Data preparation and transcription	Y	N	Y	Y	-	-	N	Y	Y	Y	-
Data (or theoretical) saturation	Y	N	N	Y	-	-	Y	Y	N	Y	-
Data Analysis											
Researcher/expert triangulation	N	N	Y	Y	-	-	N	Y	N	Y	-
Translation	NA	NA	NA	NA	-	-	NA	N	NA	NA	-

Derivation of themes or findings	Y	N	Y	Y	-	-	Y	Y	Y	Y	-
Use of software	Y	N	N	Y	Y	-	N	Y	N	N	-
Member checking	N	N	Y	N	-	-	N	Y	N	N	-
Reporting											
Participant quotations or raw data provided	Y	N	Y	Y	-	-	N	Y	Y	Y	Y
Range of depth of insight into participant perspectives	Y	N	N	Y	-	-	Y	Y	Y	N	-

*Abstract only; - not all COREQ domains could be assessed for publications reported as abstract only; Y: yes; N: no; NA: not applicable.

Item	Porteny 2021 and Porteny 2022 ^	Rivera 2021 *	Schmidt 2021 *	Sousa 2021	Sousa 2022	Tsapepas 2021	Tse 2021	Valson 2022	Van Zanten 2021 *	Varsi 2021	Wang 2022
Personal Characteristics											
Interviewer/facilitator identified	Y	-	-	Y	Y	Y	Y	Y	-	N	N
Occupation of the interview/facilitator	Y	-	-	Y	Y	Y	N	Y	-	Y	Y
Experience or training in qualitative research	Y	-	-	Y	Y	N	N	N	-	N	Y
Relationship with participants											
Relationship established before study start	Y	-	-	Y	Y	N	Y	N	-	Y	Y
Participant selection											
Selection strategy	Y	-	Y	Y	Y	Y	Y	Y	-	Y	N
Method of approach or recruitment	Y	-	-	Y	Y	Y	Y	Y	-	Y	Y
Sample size	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
No. and/or reasons for nonparticipation	N	-	-	Y	Y	N	N	N	-	Y	N
Setting											
Venue of data collection	Y	-	Y	Y	Y	Y	Y	Y	-	Y	Y
Presence of nonparticipants (e.g., clinical staff)	N	-	-	N	N	N	N	N	-	N	N
Description of sample	Y	Y	Y	Y	Y	Y	Y	Y	-	Y	Y
Data collection											
Questions, prompts or topic guide	Y	-	-	Y	Y	Y	Y	N	-	Y	N
Repeat interviews/observations	N	-	-	N	N	N	N	N	-	N	N
Audio/visual recording	Y	Y	Y	Y	Y	Y	N	Y	-	Y	Y
Field notes	N	-	-	N	N	N	N	N	-	Y	N
Duration of data collection	Y	-	-	Y	Y	N	N	N	-	Y	N
Translation and interpretation	NA	-	-	NA	NA	Y	NA	Y	-	N	NA
Data preparation and transcription	Y	-	-	N	N	N	Y	N	-	N	Y
Data (or theoretical) saturation	Y	-	-	N	N	N	N	Y	-	N	Y
Data Analysis											
Researcher/expert triangulation	Y	-	-	Y	Y	N	Y	Y	-	Y	Y

Translation	NA	-	-	NA	NA	N	NA	Y	-	N	NA
Derivation of themes or findings	Y	-	-	Y	Y	Y	Y	Y	-	Y	Y
Use of software	Y	-	-	N	N	N	N	N	-	Y	Y
Member checking	Y	-	-	N	N	N	N	Y	-	Y	Y
Reporting											
Participant quotations or raw data provided	Y	-	-	Y	Y	N	Y	Y	-	Y	Y
Range of depth of insight into participant perspectives	Y	-	-	Y	Y	Y	Y	Y	-	N	N

*Abstract only; - not all COREQ domains could be assessed for publications reported as abstract only; Y: yes; N: no; NA: not applicable.

Item	Yoon 2023
Personal Characteristics	
Interviewer/facilitator identified	Y
Occupation of the interview/facilitator	Y
Experience or training in qualitative research	Y
Relationship with participants	
Relationship established before study start	N
Participant selection	
Selection strategy	Y
Method of approach or recruitment	Y
Sample size	Y
No. and/or reasons for nonparticipation	Y
Setting	
Venue of data collection	Y
Presence of nonparticipants (e.g. clinical staff)	N
Description of sample	Y
Data collection	
Questions, prompts or topic guide	Y
Repeat interviews/observations	N
Audio/visual recording	Y
Field notes	Y
Duration of data collection	Y
Translation and interpretation	Y
Data preparation and transcription	Y
Data (or theoretical) saturation	Y
Data Analysis	
Researcher/expert triangulation	Y
Translation	Y
Derivation of themes or findings	Y
Use of software	Y
Member checking	Y
Reporting	
Participant quotations or raw data provided	Y

Range of depth of insight into participant perspectives	Y
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Y: yes; N: no; NA: not applicable.

Table S4. Reporting of themes according to CKD treatment stage

Theme	CKD treatment stage		
	Non-dialysis	Dialysis	Kidney transplant recipients
Exacerbating vulnerability and distress			
Looming threat of Covid-19 infection	●	●	●
Intensifying isolation	●	●	●
Aggravating pressure on families	●	●	●
Uncertainty in accessing healthcare			
Overwhelmed by disruption of care	●	●	●
Confused by lack of reliable information	●	●	●
Challenged by adapting to telehealth	●	●	●
Skeptical about vaccine efficacy and safety		●	●
Coping with self-management			
Waning fitness due to decreasing physical activity	●	●	
Diminishing ability to manage diet	●	●	
Difficulty managing fluid restrictions	●	●	
Minimized burden with telehealth	●	●	●
Motivating confidence and autonomy	●	●	●
Strengthening sense of safety and support			
Protection from lockdown restrictions	●	●	●
Increasing trust in care	●	●	●
Strengthened family connection	●	●	●

CKD: chronic kidney disease.

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