approach
Introduction and unit identification
Thank you for time and interest. Please read the PDF file accompanying the introductory email before beginning.
Please answer to the best of your knowledge. If you are unable to answer a question, simply leave the question unanswered and continue.
* 1. What is the name of your renal unit?
2. What is your job designation or role within your dialysis unit?
3. How many nephrologists have patients dialysing at your unit (including satellite units)?
* 4. How many satellite units are covered by this response?

approach			
Satellite dial	ysis units		

1.	e names of all sa		<u> </u>		
2.					
3.					
4.					
5.					
6.					
3. If you need mo	re space to identi	fy more satellite	units please clic	k 'More units', i	f not, click 'Procee
More units					
Proceed to next	auestion				
1 locecu to liext	question				

REDUCCTION: REDUcing the burden of dialysis Catheter ComplicaTIOns: a National approach
Satellite dialysis units
* 7. Please list all the satellite units covered by this survey response.

Predialysis pathways
8. Does your unit have a formalised predialysis pathway with expected time-points (eg eGFR cut-offs, predicted dialysis start date) at which to arrange patient education and/or dialysis access?
Yes
No (you may proceed by clicking 'Next')
9. If you have a formalised predialysis pathway, do you audit adherence to the guideline?
Yes
○ No

Predialysis education

	init run formalised pre-dialysis education sessions (i.e. in addition to information treating nephrologist in the course of routine care and to the provision of information ohlets)?
Yes	
No (you may	proceed by clicking 'Next')
11. How is pre-c	dialysis education performed? Please tick all that apply
Group educati	ion seminars delivered by nurses, allied health staff, patients, or doctors
Individual one	on one sessions with an educator (not the treating nephrologist)
Other (please	specify)
12. Do you train	patients for home haemodialysis?
Yes	
No	

13. Do you have a dedicated vascular access nurse
13. Do you have a dedicated vascular access nurse
Yes
○ No
14. Do you have a regular and dedicated <u>multidisciplinary</u> dialysis access clinic (must include at least 2 of the following: vascular surgeon, interventional radiologist, vascular access nurse, nephrologist, general surgeon)?
Yes - on-site at our unit
Yes - but we refer patients to another renal service
○ No

Access to surgical input

	to your patients without significant travel)?	
Yes		
No (you may	proceed by clicking 'Next')	
		,
16. How many or grafts (AVG	surgeons at your site are creating vascular access (ie: new arteriovenous fistulae (,AVF
17. Does your	unit have access to a dedicated (protected) operating theatre list for dialysis access	s?
Yes		
No		
Unsure		

REDUCCTION: REDUcing the burden of dialysis Catheter ComplicaTIOns: a National approach										
ascular access procedures										
18. Who inserts/perf	18. Who inserts/performs access procedures for your unit? Tick all that apply.									
		Vascular	Other surgeon/registrar (eg. General surgeon, Transplant	Nephrology	Intensive		Anaesthetics			
Non-tunnelled	Nephrologist s	surgeon/registrar	surgeon)	Trainees	Care Unit	Department	Service			
catheters Tunnelled catheters										
Peritoneal dialysis catheters										
AVF creation										
AVF thrombectomy/salvage										
AVF fistuloplasty (stenosis correction)										
Please indicate other per	rsonnel performi	ng any of the abov	ve procedures							

AV fistula/grafts

19. In the case of AVF/AVG stenosis without thrombosis, what is the usual initial method used to deal with the stenosis? Angioplasy +/- stenting Surgical revision 20. Are back-up AV fistulae routinely requested in patients with PD catheters? Yes - always Yes - if not suitable for transplant Yes - if prognosis acceptable Sometimes - physician decision No Never 21. What method of vascular access monitoring does your unit use? Tick all that apply Fistula blood flow rate monitoring using a dedicated BFR measuring device Fistula blood flow rate monitoring using a haemodialysis machine fitted measuring device Regular fistula ultrasound Venous and arterial pressure monitoring during dialysis Recirculation studies by urea-based method
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Venous and arterial pressure monitoring during dialysis Recirculation studies by urea-based method
Recirculation studies by urea-based method
Routine clinical examination
Other (please specify)

At the time of catheter insertion - skin preparation

-iodine solution idine 0.1% solution idine 2% solution idine 4% solution idine 0.5% in alcohol 70% idine 2% in alcohol 70% idine-based but unsure of ease specify) your standard skin prodine solution idine 0.1% solution	solution of concentration	or to insertion o			
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At the time of	of catheter	insertion -	prophyl	actic ar	ntibiotics
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	Yes
\bigcirc	No (you may proceed by clicking 'Next')
\bigcirc	Unsure (you may proceed by clicking 'Next')
	What prophylactic antibiotic(s) is first choice at the time of insertion o <u>ftunnelled</u> catheters? Tick a apply.
	First-generation cephalosporin (eg. cephalothin, cephazolin)
	Vancomycin
	Gentamicin
	Unsure
	Other (please specify)

Locking solutions - NON tunnelled catheters

	Normal (0.9%) saline
\bigcirc	Heparin only
	Trisodium citrate only
	Antibiotic based (eg. gentamicin, vancomycin, taurolidine, minocycline, cephazolin, cefotaxime)
	rTPA (eg. alteplase)
\bigcirc	CMBP (sodium citrate, methylene blue, methylparaben and propylparaben)
	Tinzaparin
	Ethanol
\supset	Ethanol + citrate
\supset	Unsure
	Other (please specify)

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Use of heparin as locking solution - NON tunnelled catheters							
Use of heparin as locking solution - NON tunnelled catheters 27. Which concentration of heparin do you use? 1000U/mL Other (please specify)							

REDUCCTION: REDUcing the burden of dialysis Catheter ComplicaTIOns: a National approach								
Use of citrate as locking solution - NON tunnelled catheters								
28. Which concentration of trisodium citrate do you use? 4%								
30%								
46.7%								
Other (please specify)								

approach
Use of antibiotic locks - NON tunnelled catheters
29. Which antibiotic-based lock do you use?
Gentamicin + heparin
Gentamicin + trisodium citrate
Gentamicin + cephazolin + heparin
Gentamicin + vancomycin + heparin
Cefotaxime + heparin
Taurolidine + citrate (Taurolock)
Minocycline + EDTA
Other (please specify)

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of	rTPA as locking solution - NON tunnelled catheters
٥. ١	Which type of rTPA do you use?
1. l	How often per week do you administer it?
	Weekly
	Twice weekly
	Three time per week
	Other (please specify)
2 1	What dose of rTPA do you use? Please indicate mg per mL of lumen volume.
	That does of the volume.

Tunnelled catheter locking solutions

	Normal (0.9%) saline
\bigcirc	Heparin only
	Trisodium citrate only
\bigcirc	Antibiotic based (eg. gentamicin, vancomycin, taurolidine, minocycline, cephazolin, cefotaxime)
	rTPA (eg. alteplase)
\bigcirc	CMBP (sodium citrate, methylene blue, methylparaben and propylparaben
	Tinzaparin
	Ethanol
\bigcirc	Ethanol + citrate
\supset	Unsure
	Other (please specify)

REDUCCTION: REDUcing the burden of dialysis Catheter ComplicaTIOns: a National approach						
Tunnelled catheter - heparin use						
34. Which concentration of heparin do you use?						
1000U/mL						
Other (please specify)						
Other (please specify)						

approach	
Tunnelled catheter - citrate use	
35. Which concentration of trisodium citrate do you use?	
4%	
○ 10%○ 30%	
→ 46.7%	
Other (please specify)	

REDUCCTION: REDUcing the burden of dialysis Catheter ComplicaTIOns: a National approach
Tunnelled catheter - antibiotic locking solutions
36. Which antibiotic-based lock do you use?
Gentamicin + heparin
Gentamicin + trisodium citrate
Gentamicin + cephazolin + heparin
Gentamicin + vancomycin + heparin
Cefotaxime + heparin
Taurolidine + citrate (Taurolock)
Minocycline + EDTA
Other (please specify)

REDUCCTION: REDUcing the burden of dialysis Catheter ComplicaTIOns: a National approach
Tunnelled catheter - rTPA use
37. Which type of rTPA do you use?
38. How often per week do you administer it?
Weekly
Twice weekly
Other (please specify)
Curer (prease specify)
39. What dose of rTPA do you use? Please indicate mg per mL of lumen volume.

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Exit site prophylaxis

)	Nil	
)	Topical mupirocin	
)	Topical MediHoney	
)	Topical povidone-iodine ointment	
)	Polysporin ointment	
)	Other (please specify)	
	What is your standard topical prophylaxis for <u>tunnelled</u> catheters?	
	Nil	
	Topical mupirocin	
	Topical MediHoney	
	Topical povidone-iodine ointment	
	Polysporin ointment	
)	Other (please specify)	

REDUCCTION: REDUcing the burden of dialysis Catheter ComplicaTIOns: a National approach
Catheter dressings
40 NAVI set in a company described and the series of some on the second set of set of Second set of
42. What is your standard dressing for non-tunnelled catheters? Tick all that apply Transparent sterile dressing only
Chlorhexidine patch (Biopatch)
Silver-alginate coated dressing
Other (please specify)
43. What is your standard dressing for <u>tunnelled</u> catheters? Tick all that apply
Transparent sterile dressing only
Chlorhexidine patch (Biopatch)
Silver-alginate coated dressing
Other (please specify)

REDUCCTION: REDUcing approach	the burden of dialy	sis Catheter ComplicaTl	Ons: a National
Jse of nasal mupirocin			
44. Please indicate your <u>ro</u>	utine use of <u>nasal</u> mup	irocin in each of the three fo	ollowing groups.
	Yes	No	Unsure
Patients with <u>non-</u> <u>tunnelled</u> catheters			
Patients with <u>tunnelled</u> catheters	\bigcirc		
Patients colonised with Staphylococcus aureus			
45. Does your unit provide	verbal education rega	rding caring for catheters?	
Yes			
No			

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approach							

Monitoring complications (1)	
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	Does your unit routinely measure dialysis catheter complication rates (eg. catheter associated teraemia or CAB)?
	Yes
	No (proceed to the end of the survey by clicking 'Next')
48.	How are catheter complication rates measured?
	Retrospective data collection by Renal Unit staff
	Prospective data entry by Renal Unit staff as catheters inserted and as complications occur
	Automated reporting of complications by affiliated hospital or Department of Health
	Other (please specify)

REDUCCTION: REDUcing the burden of dialysis Catheter ComplicaTIOns: a National approach		
Monitoring complications (3)		
51. Does your unit compare its catheter infection rates with those from other units?		
Yes		
○ No		
52. In general, do clinicians believe these comparisons are valid?		
Yes - both medical and nursing staff		
Yes - nursing staff do		
Yes - medical staff do		
○ No		