Hyponatraemia - Clinician Questionnaire

A. Introduction

What is this study about?

To identify and explore avoidable and modifiable factors in the care of adults with abnormal levels of blood sodium in hospital.

Inclusions

Patients aged 18 or over who were admitted to hospital between 1st October 2023 and 31st December 2023 and diagnosed with Hypernatremia or Hyponatraemia. Patients who develop abnormal sodium levels after a surgical procedure during the study period are also included.

There are 2 clinician questionnaires for this study. This questionnaire is for patients with HYPONATRAEMIA.

If the patient did not have hyponatraemia during the admission please contact NCEPOD so the case can be removed from the study

Please telephone NCEPOD on 0207 251 9060 or email sodium@ncepod.org.uk

Who should complete this questionnaire?

This questionnaire should be completed by the named consultant, or the most appropriate clinician, responsible for the patients care when they were treated for abnormal blood sodium.

Impact of NCEPOD

Recommendations from NCEPOD reports have had an impact on many areas of healthcare including: Development of the NICE 'Acutely ill patients in hospital guideline' (CG50) - following publication of the 2005 'An Acute Problem' report.

Appointment of a National Clinical Director for Trauma Care - following publication of 'Trauma: Who Cares?' 2007. Development of NICE Clinical Guidelines for Acute Kidney Injury, published in 2013 - 'Adding Insult to Injury' 2009.

Development of ICS Standards for the care of adult patients with a temporary Tracheostomy, published 2014 - 'On the right trach?' 2014.

Development of guidelines from the British Society of Gastroenterology: diagnosis and Management of acute lower gastrointestinal bleeding, published 2019 - 'Time to Get Control' 2015.

Development of the British Thoracic Society's Quality Standards for NIV, published 2018 - 'Inspiring Change' 2017

Questions or help

Further information regarding this study can be found here: https://www.ncepod.org.uk/Bloodsodium.html If you have any queries about this study or this questionnaire, please contact: sodium@ncepod.org.uk or telephone 0207 251 9060.

About NCEPOD

The National Confidential Enquiry into Patient Outcome and Death (NCEPOD) reviews healthcare practice by undertaking confidential studies, and make recommendations to improve the quality of the delivery of care, for healthcare professionals and policymakers to implement. Data to inform the studies are collected from NHS hospitals and Independent sector hospitals across England, Wales, Northern Ireland and the Offshore Islands. NCEPOD are supported by a wide range of bodies and the Steering Group consists of members from the Medical Royal Colleges and Specialist Associations, as well as observers from The Coroners Society of England and Wales, and the Healthcare Quality Improvement Partnership (HQIP).

This study was commissioned by The Healthcare Quality Improvement Partnership (HQIP) as part of the Clinical Outcome Review Programme into Medical & Surgical care.

B. Patient details

This questionnaire is for reviewing patients who had HYPONATRAEMIA. If the patient did not have hyponatraemia during the admission please contact NCEPOD so the case can be removed from the study

Please telephone NCEPOD on 0207 251 9060 or email sodium@ncepod.org.uk

Case Summary

T. Control of the Con			
. Age at present	tation to hospital?		
		years Unknow	n
Value should be no i	less than 18		
. Sex			
	○ Female	○ Other	O Unknown
. Ethnicity	•	•	
O Asian/Asian	n/White - other n/Caribbean/Black British British (Indian, Pakistani, Bang ole ethnic groups	ıladeshi, Chinese, other A	Asian)
If not listed abou	ua mianana annaifiu hara		
If not listed abov	ve, please specify here		
. Patient's usua			
Own home	Residential home	e O Nursing home	O Homeless
		Nursing home	O Homeless
Own home Unknown		e O Nursing home	O Homeless
Own home Unknown	O Residential home	Nursing home	O Homeless
Own home Unknown	Residential home		O Homeless
Own home Unknown	O Residential home		O Homeless

4.	admission:			ical Frailty score prior to the 22/02/rockwood-frailty-scalepdf
	1. Very Fit4. Vulnerable7. Severely FrailUnable to ascertain	(2. Well5. Mildly Frail8. Very Severely Frail	3. Managing Well6. Moderately Frail9. Terminally III
5a.	Did the patient have	any co-m	orbidities pre-dating this ac	lmission?
	O Yes	O No	Unknown	
5b.	If answered "Yes" to Which co-morbidities Please tick all that apply	?		
		e isease kidney dis n disease : attack	COPD Cancer (loc Dementia Diabetes T Hypertens Lymphoma ease Parkinsons Previous st Peptic ulce	e cardiac failure calised) Type 2 tion a tlerosis troke
	Please specify any addit	tional optic	ons here	
6a.	Did the patient have	a docume	ented learning disability or a	autism?
	O Yes	O No	Unknown	
6b.	If answered "Yes" to Please provide detail		:	

C. Arrival to hospital/initial assessment 1a. Date of arrival to hospital ☐ Unknown 1b. Time of arrival to hospital ☐ Unknown 2a. Type of admission Emergency Elective/Planned Transfer Unknown If not listed above, please specify here... 2b. If answered "Elective/Planned" to [2a] then: Reason for elective/planned admission 2c. Was the patient an inpatient within the last 30 days of this admission? O No Unknown 2d. If answered "Yes" to [2c] then: Was this for hyponatraemia? Unknown 2e. If answered "Yes" to [2c] and "No" to [2d] then: Reason for recent inpatient admission 3a. Location of first hospital review Emergency department Medical assessment unit Same day emergency care service Other medical ward Surgical assessment unit Other Surgical ward Unknown If not listed above, please specify here... 3b. Date of first review ☐ Unknown 3c. Time of first review ☐ Unknown 4a. GCS on arrival O 15 \bigcirc 14 \bigcirc 13 O 12 \bigcirc 11 \bigcirc 10 O 9 O 7 O 8 \bigcirc 5 O 4 \bigcirc 6 O Not recorded as ACVPU used O Unknown O 3 4b. ACVPU on arrival Alert Confused Verbal O Pain O Unresponsive Not recorded as GCS recorded Unknown

Unknown Patient taking prior to admission?
depressants
psychotic drugs Diuretics Diuretics
htidepressants", "Antiseizure medication", chotic drugs" or "Diuretics" to [5b] then: e.g. anticancer or diuretics, please specify the drug the hemistry results in hospital? easurement was not done mmol/L
chotic drugs" or "Diuretics" to [5b] then: e.g. anticancer or diuretics, please specify the drug the hemistry results in hospital? easurement was not done mmol/L
mmol/L Unknown
mmol/L Not Applicable Unknown
mmol/L Not Applicable Unknown
mmol/L Not Applicable Unknown
μmol/L Not Applicable Unknown
mmol/L Not Applicable Unknown
atory biochemistry results? () Unknown
9 :
Unknown
at

If the above blood biochemistry results were from point of care testing, what were the first laboratory blood biochemistry results?

7a.	If answered "Poi Na+	nt of care" to [6f] the	n:					
			mmol/L		Unknown			
7b.	If answered "Poi K+	nt of care" to [6f] the	n:					
			mmol/L		Not Applicable		Unknown	
7c.	If answered "Poi Urea	nt of care" to [6f] the	n:					
			mmol/L		Not Applicable		Unknown	
7d.	If answered "Poi Creatinine	nt of care" to [6f] the	n:					
			μmol/L		Not Applicable		Unknown	
7e.	If answered "Poi Glucose	nt of care" to [6f] the	n:					
			mmol/L		Not Applicable		Unknown	
7f.	If answered "Poi Date of first lab	nt of care" to [6f] the bloods	n:					
					Unknown			
7g.	If answered "Poi Time of first lab	nt of care" to [6f] the bloods	n:					
					Unknown			
8.	Was an assessm assessment?	ent of the patient's flu	uid status un	dert	aken as part o	f the	initial	
	O Yes	O No	O Ur	nknov	vn			

Diagnosis - Emergency Admissions

9a.	If answered "Emerge Working diagnosis o			
	☐ Acute cerebral eve	nt		
	Post neurosurgical	procedure		
	Acute or Chronic he	eart failure		
	Ascites			
	Head injury			
	Subarachnoid haen	norrhage		
	☐ Renal disease			
	☐ Syndrome of inapp	ropriate ADH (SIADH)		
	☐ Adrenal insufficiend	су		
	☐ Polydipsia Anorexia	nervosa		
	Beer potomania			
	☐ Exercise excess			
	☐ Diarrhoea and vom	iting		
	☐ Third space losses	(bowel obstruction, pancre	eatitis, sepsis , trauma eto	c)
	☐ Hyperproteinaemia	(including multiple myelo	oma)	
	Hypertriglyceridaer	nia		
	Hyperglycaemia			
	☐ Alcohol Abuse			
	Dementia Acute co			
		d polyuria (Diabetes Insipio	dus)	
	Chronic Lung disea	se		
	☐ Epilepsy	Sking of a sking of house		
	Please specify any add	itional options nere		
9b.	If answered "Emerge What type of hypona	ency" to [2a] then: atraemia did the patien	t have?	
	O Hypotonic (true) hy	vponatraemia		
		lume overload) hyponatra	emia	
	O Euvolaemic hypona		Pseudo hyponatrae	mia
		smolar) hyponatraemia	O Unknown	
	If not listed above, plea			
9c.	If answered "Emerge What was the severi	ency" to [2a] then: ty of the patients hypo	natraemia?	
	O Mild	Moderate	O Severe	O Unknown
	If not listed above, plea	ase specify here		
9d.	If answered "Emerge Was this acute or ch Acute - duration of less	ronic hyponatraemia?		
	O Acute	O Chronic	O Unknown	
10a.	If answered "Emerge Was a diagnosis of h admission?	ency" to [2a] then: hyponatraemic encepha	lopathy (neurological s	symptoms) made on
	O Yes	O No	O Unknown	

 Nausea Gait Problems Falls Vomiting Visual disturbance Noncardiogenic pulmona Respiratory arrest None 	☐ Bone f ☐ Heada ☐ Seizur	ion Deficit ractures ches es f consciousness
Please specify any additiona	al options here	
Please specify any additional If answered "Emergency' Ward patient first admitt	' to [2a] then:	

D. Surgery

If the answer is No.	please move	to the next section	•	, con 3 co , c
O Yes	O No	•	Unknown	
	n relation to to [1a] ther	o the surgery/proc		the admission please answer the sest to the development of
what surgery/pro-	cedure(s) wa	as undertaken:		
.c. If answered "Yes" Date of surgery/p		า:		
			u	nknown
d. If answered "Yes" Time of surgery/p		n:	_	
			D U	nknown
2. If answered "Yes" During the surger			d fluid the	rapy used?
○ Yes	O No	0	Unknown	
a. If answered "Yes" Was a fluid mainto				
O Yes	O No	0	Unknown	
b. If answered "Yes" What was the pre				
c. If answered "Yes" Grade of prescribe		"Yes" to [3a] ther	n:	
O Basic grade (FY1 O Speciality doctor		Specialist traineConsultant	e (ST1-2)	Specialist trainee (ST3+)Unknown
If not listed above, p	lease specify	here		
d. If answered "Yes" Specialty of presc		"Yes" to [3a] ther	n:	
4. If answered "Yes" Is there evidence			ithway wa	s being followed?
O Yes	O No		Unknown	-
ia. If answered "Yes"				
Date of first low b	lood sodium	n measurement	¬	
			□ ∪	nknown

5b.	If answered "Yes" to [1a] then: Time of first low blood sodium measurement				
			Unknown		
Wł	nat was the patient's first low blood sodium measo	ıreme	ent post surger	у	
5c.	If answered "Yes" to [1a] then: Na+				
	mmol/L		Unknown		
	her electrolyte measurements at the time of the loase put not applicable if the particular measurement wa			nent	
5d.	If answered "Yes" to [1a] then: K+				
	mmol/L		Not Applicable		Unknown
5e.	If answered "Yes" to [1a] then: Urea				
	mmol/L		Not Applicable		Unknown
5f.	If answered "Yes" to [1a] then: Creatinine				
	μποΙ/L		Not Applicable		Unknown
5g.	If answered "Yes" to [1a] then: Glucose				
	mmol/L		Not Applicable		Unknown

E. Investigations and treatment

Sodium measurements 1a. Date of lowest blood sodium measurement during this admission ☐ Unknown 1b. Time of lowest blood sodium measurement during this admission ☐ Unknown 1c. What was the lowest blood sodium measurement during the admission? mmol/L ☐ Unknown Other electrolyte measurements at the time of the lowest sodium measurement Please put not applicable if the particular measurement was not done 1d. K+ □ Not Applicable □ Unknown mmol/L 1e. Urea mmol/L ■ Not Applicable ■ Unknown 1f. Creatinine μmol/L ☐ Unknown 1g. Glucose mmol/L ☐ Unknown **Imaging** 2a. Was any imaging undertaken during the admission? Yes O No Unknown 2b. If answered "Yes" to [2a] then: What imaging was undertaken? Please tick all that apply ☐ CT Head ☐ CT Thorax ☐ CT Abdomen/Pelvis ☐ MRI Head ☐ Chest X ray ☐ Abdomen U/S Please specify any additional options here... 2c. If answered "Yes" to [2a] then: Did the imaging alter the hyponatraemia treatment plan? Yes (No Unknown 2d. If answered "Yes" to [2c] then: Please expand on your answer (imaging)

Tests and Investigations

	Please tick all that apply. If none	e then please indicate tl	his in t	the other	
	Liver Function Tests	☐ NT Pro-Beta Nature	etic Pe	eptide Thyroid Function	
	☐ Cortisol	Urine osmolality		Plasma/serum osmolality	
	☐ Urine sodium	Bone profile			
	Places specify any additional and	tions hara			
	Please specify any additional op	uons nere			
3b.	If answered "Urine osmolality Urine osmolality	y" to [3a] then:			
		mOsm/kg		Unknown	
3с.	If answered "Urine osmolality Time urine osmolality reques				
			П	Unknown	
3d.	If answered "Urine osmolality Date urine osmolality reques				
	, .,		_	11.1	
			Ш	Unknown	
3e.	If answered "Urine osmolality Date urine osmolality result				
				Unknown	
Зf.	If answered "Urine osmolality	v" to [3a] then:			
٥	Time urine osmolality result				
				Unknown	
_			ш	Olikilowii	
3g.	If answered "Plasma/serum or Plasma/serum osmolality	osmolality" to [3a] th	en:		
		mOsm/kg		Unknown	
3h.	lf answered "Plasma/serum o Date plasma/serum osmolalit		en:		
			П	Unknown	
ɔ :	If answered "Plasma/serum o	semolality" to [2a] th			
31.	Time plasma/serum osmolali		en.		
				Unknown	
Зј.	lf answered "Plasma/serum o Date plasma/serum osmolalit		en:		
				Unknown	
2 le	If an average "Diagrap /governe	amalalitus ta [2a] th			
3K.	If answered "Plasma/serum o Time plasma/serum osmolali		en:		
	Р		_		
				Unknown	
31.	If answered "Cortisol" to [3a] Cortisol] then:			
		nmol/L		Unknown	
3m.	If answered "Cortisol" to [3a] Date cortisol sample taken] then:	_		
				Unknown	
_				CHAHOWH	
3n.	If answered "Cortisol" to [3a Time cortisol sample taken] then:			
				Unknown	
		l	_		

3a. What other tests were undertaken during this admission?

O. Was the patient admitted to a level 2 (HDU) or Yes O No C. If answered "Yes" to [4b] then: What level ward O Level 2 O Level 3	Unknown Or level 3 (ICU) ward during the admission? Unknown Mixed level 2/3 Unknown 14 12 10 10 8
Time cortisol result received	outreach team during this admission? Unknown or level 3 (ICU) ward during the admission? Unknown Mixed level 2/3 Unknown 14 12 10 10 8
O Yes O No No. Was the patient admitted to a level 2 (HDU) or O Yes O No If answered "Yes" to [4b] then: What level ward O Level 2 O Level 3 Treatment O CCS when treatment started O 15 O 13 O 11 O 9 O 7	outreach team during this admission? Unknown or level 3 (ICU) ward during the admission? Unknown Mixed level 2/3 Unknown 14 12 10 10 8
O Yes O No No. Was the patient admitted to a level 2 (HDU) or O Yes O No If answered "Yes" to [4b] then: What level ward O Level 2 O Level 3 Treatment GCS when treatment started O 15 O 13 O 11 O 9 O 7	Unknown Or level 3 (ICU) ward during the admission? Unknown Mixed level 2/3 Unknown 14 12 10 10 8
O. Was the patient admitted to a level 2 (HDU) or Yes	Or level 3 (ICU) ward during the admission? Unknown Mixed level 2/3 Unknown 14 12 10 10 8
Yes No c. If answered "Yes" to [4b] then: What level ward Level 2 Level 3 Freatment a. GCS when treatment started 15 13 11 9 7	 Unknown Mixed level 2/3 Unknown 14 12 10 8
c. If answered "Yes" to [4b] then: What level ward Level 2 Level 3 Creatment a. GCS when treatment started 15 13 11 9 7	 Mixed level 2/3 Unknown 14 12 10 8
What level ward ○ Level 2	1412108
reatment a. GCS when treatment started 15 13 11 9 7	1412108
a. GCS when treatment started 15 13 11 9 7	○ 12○ 10○ 8
○ 15○ 13○ 11○ 9○ 7	○ 12○ 10○ 8
○ 13○ 11○ 9○ 7	○ 12○ 10○ 8
○ 11○ 9○ 7	O 10 O 8
○ 9 ○ 7	O 8
O 7	•
O 5	\bigcirc 6
-	O 4
O 3	GCS not recorded as ACVPU used
○ Unknown	
o. ACVPU when treatment started	
O Alert O Confused	O Verbal
O Pain O Unresponsive	Not recorded as GCS recorded
c. What treatments did the patient receive?	
☐ Diuretics	☐ 0.9% sodium chloride solution
☐ Enteral urea	☐ V2 receptor antagonists (vaptans)
Hypertonic saline	Other IV fluids
☐ Fluid restriction☐ None	☐ Demeclocycline
Please specify any additional options here	
d. If answered "Other IV fluids" to [5c] then: Type of fluid	

Hypertonic saline treatment

	C ED Resus		Critical ca	re (level 2 or level 3)
	(Endocrinology		General m	
	O Unknown			
	If not listed above, please sp	ecify here		
5f.	If answered "Hypertonic s medicine" or "Unknown" t Grade of clinician that led	:o [5e] then:		Endocrinology", "General
	O Basic grade (FY1 or 2) O Speciality doctor	Specialist trConsultant	rainee (ST1-2)	Specialist trainee (ST3+)Unknown
	If not listed above, please sp	ecify here		
g.	If answered "Hypertonic s medicine" or "Unknown" t Specialty of clinician		"ED Resus", "	Endocrinology", "General
	If answered "Hypertonic s If yes to hypertonic saline Answers maybe multiple	e was this by IV in	n: fusion or IV bo	lluses?
	☐ IV infusion ☐	IV boluses		
	If answered "Hypertonic s What concentration of hy If more than one concentration	pertonic saline so	lution was use	
	O 1.8%	2.5%	O 5%	Unknown
	If not listed above, please sp	ecify here		
5j.	If answered "Hypertonic s		n:	
	How was hypertonic salin	e administered?		
		Mid line Unknown		O PiCC line
	How was hypertonic salin O Peripheral cannula	Mid lineUnknown		O PiCC line
	How was hypertonic salin O Peripheral cannula O Central/femoral line	Mid line Unknown ecify here saline" to [5c] thereplications of admi	nistration?	O PiCC line
	How was hypertonic salin O Peripheral cannula O Central/femoral line If not listed above, please sp If answered "Hypertonic some there any local com	Mid line Unknown ecify here caline" to [5c] therelications of admidamage, vascular the	nistration?	O PiCC line
5k.	How was hypertonic salin O Peripheral cannula O Central/femoral line If not listed above, please sp If answered "Hypertonic s Were there any local com Such as pain, swelling, skin o	Mid line Unknown ecify here caline" to [5c] ther plications of admidamage, vascular the	nistration? rombosis	O PiCC line
5k.	How was hypertonic salin O Peripheral cannula O Central/femoral line If not listed above, please sp If answered "Hypertonic swere there any local com Such as pain, swelling, skin of Yes O Yes O Tes	Mid line Unknown ecify here caline" to [5c] ther plications of admidamage, vascular the	nistration? rombosis	O PiCC line
5k. 5l.	How was hypertonic salin O Peripheral cannula O Central/femoral line If not listed above, please sp If answered "Hypertonic swere there any local com Such as pain, swelling, skin of Yes O Yes O Tes	Mid line Unknown ecify here caline" to [5c] ther plications of admi damage, vascular the No then: ons?	nistration? rombosis	O PiCC line
5k. 5l.	How was hypertonic salin O Peripheral cannula O Central/femoral line If not listed above, please sp If answered "Hypertonic swere there any local com Such as pain, swelling, skin of Yes O Yes O If answered "Yes" to [5k] What were the complications of the complications of the complications of the complex	Mid line Unknown ecify here caline" to [5c] therelications of admidamage, vascular the No then: ons? to [5h] then: caline infused	nistration? rombosis Unknown	O PiCC line
5k. 5l. m.	How was hypertonic salin O Peripheral cannula O Central/femoral line If not listed above, please sp If answered "Hypertonic swere there any local com Such as pain, swelling, skin of Yes O Yes O If answered "Yes" to [5k] What were the complications of the complications of the complications of the complex	Mid line Unknown ecify here caline" to [5c] therelications of admidamage, vascular the No then: ons? to [5h] then: c saline infused	nistration? rombosis Unknown	

5e. If answered "Hypertonic saline" to [5c] then:

		ml Unknown
	ypertonic saline" to [50 the hypertonic saline t	then: creatment was the blood sodium concentration
		minutes
	ypertonic saline" to [50 t improved clinically af	
O Yes	O No	○ Unknown
	ypertonic saline" to [5c pertonic saline given?] then:
O Yes	O No	Unknown
. If answered "Yo Please provide		
. Was there over	rcorrection of blood soc	lium?
. Was there over	rcorrection of blood soc	dium?
Yes . If answered "Yes		○ Unknown
○ Yes	○ No es" to [6a] then:	○ Unknown
Yes If answered "Yow Was there an a	No es" to [6a] then: ttempt to re-lower the No es" to [6b] then:	Unknown blood sodium?
Yes If answered "Yes Was there an a Yes If answered "Yes What was used	No es" to [6a] then: ittempt to re-lower the No es" to [6b] then:	Unknownblood sodium?Unknown
Yes If answered "Yes Was there an a Yes If answered "Yes What was used	No es" to [6a] then: ittempt to re-lower the No es" to [6b] then:	Unknown blood sodium?
Yes If answered "Yes Was there an a Yes If answered "Yes What was used	No es" to [6a] then: attempt to re-lower the No es" to [6b] then:	Unknownblood sodium?Unknown

F. Complications and Discharge

O Yes O No 1b. If answered "Yes" to [1a] then: Complications Please tick all that apply Acute cerebral oedema Cerebral Vasospasm Osmotic demyelination (central pontine Seizures Please specify any additional options here	
Complications Please tick all that apply Acute cerebral oedema Cerebral Vasospasm Osmotic demyelination (central pontine Seizures Please specify any additional options here	
Cerebral Vasospasm Osmotic demyelination (central pontine Seizures Please specify any additional options here	
On Dischaus doctiontion	
Please note, death is one of the options liste	ed
Own home	Residential home
Nursing home	 Transferred to another hospital
O Death	Unknown
If not listed above, please specify here	
b. Date of discharge or death	
	Unknown
hospital" or "Unknown" to [2a] then: What was the patient's last blood sodiu	mmol/L Unknown
	GIRIOWII
b. If answered "Own home", "Residential h hospital" or "Unknown" to [2a] then: Date of blood sodium measurement	home", "Nursing home", "Transferred to another
hospital" or "Unknown" to [2a] then:	home", "Nursing home", "Transferred to another
hospital" or "Unknown" to [2a] then: Date of blood sodium measurement	
hospital" or "Unknown" to [2a] then: Date of blood sodium measurement c. If answered "Own home", "Residential hospital" or "Unknown" to [2a] then:	Unknown
hospital" or "Unknown" to [2a] then: Date of blood sodium measurement c. If answered "Own home", "Residential hospital" or "Unknown" to [2a] then: Time of blood sodium measurement a. If answered "Own home", "Residential h	Unknown home", "Nursing home", "Transferred to another Unknown
hospital" or "Unknown" to [2a] then: Date of blood sodium measurement c. If answered "Own home", "Residential hospital" or "Unknown" to [2a] then: Time of blood sodium measurement a. If answered "Own home", "Residential h	Unknown home", "Nursing home", "Transferred to another Unknown home" or "Nursing home" to [2a] then:
hospital" or "Unknown" to [2a] then: Date of blood sodium measurement c. If answered "Own home", "Residential hospital" or "Unknown" to [2a] then: Time of blood sodium measurement a. If answered "Own home", "Residential home" and the patient's measurement of the patient's me	Unknown home", "Nursing home", "Transferred to another Unknown home" or "Nursing home" to [2a] then: edications in relation to their hyponatraemia?
hospital" or "Unknown" to [2a] then: Date of blood sodium measurement c. If answered "Own home", "Residential hospital" or "Unknown" to [2a] then: Time of blood sodium measurement a. If answered "Own home", "Residential home" and the patient's measurement of the patient's me	Unknown home", "Nursing home", "Transferred to another Unknown home" or "Nursing home" to [2a] then: edications in relation to their hyponatraemia? Not applicable Unknown

5a.	If answered "Own home", "Residential home", "Nursing home", "Transferred to another hospital" or "Unknown" to [2a] then: After retrospectively reviewing this case are there any areas regarding the management of the patients hyponatraemia that you think could have been improved?								
	O Yes	O No	Unknown						
5b.	If answered "Yes" to [5a] and "Own home", "Residential home", "Nursing home", "Transferred to another hospital" or "Unknown" to [2a] then: Please provide details								
	eath and Mortality R								
6a.	If answered "Death Was the death dire	" to [2a] then: ctly or indirectly due to	hyponatraemia?						
	O Yes - directly	Yes - indirectly	O No	O Unknown					
	If not listed above, pla	ease specify here							
6b.	If answered "Death Was the patients ca	" to [2a] then: ase discussed at a mor	bidity and mortality r	meeting?					
	O Yes	O No	Unknown						
6c.		" to [2a] and "Yes" to [actors in the care of thi							
	O Yes	O No	Unknown						
6d.	If answered "Death" to [2a] and "Yes" to [6b] and "Yes" to [6c] then: What were the remediable factors and what action was taken?								
7a.		ly reviewing this case a	are there any areas re ink could have been	egarding the management					
	or the patients myp	onaciacinia chac you ci							
	O Yes	O No	Unknown						

End of questionnaire

THANK YOU FOR TAKING THE TIME TO COMPLETE THIS QUESTIONNAIRE
By doing so you have contributed to the dataset that will form the report and recommendations due for release in Autumn 2025