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DOI: https://doi.org/10.3399/BJGPO.2023.0192

To access the most recent version of this article, please click the DOI URL in the line above.

Received 26 September 2023

Accepted 26 October 2023

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Author Accepted Manuscript

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General practitioners' views on emergency care treatment plans; an on-line survey

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General practitioners' views on emergency care treatment plans; an on-line survey

Abstract

Background

A holistic approach to emergency care treatment planning is needed to ensure that patients' preferences are considered should their clinical condition deteriorate. To address this Emergency Care and Treatment Plans (ECTPs) have been introduced. Little is known about their use in general practice.

Aim

To survey general practitioners' (GPs') experiences of, and views on, using ECTPs.

Design and Setting

On-line survey of GPs practising in England.

Method

A survey of 841 GPs using the monthly on-line survey provided by Medeconnect, a market research

company.

Results

ECTP forms were used by 49% of respondents' practices (84% of these were Recommended Summary Plan for Emergency Care and Treatment (ReSPECT) plans); 51% used do not attempt cardio-pulmonary resuscitation (DNACPR) forms. GPs are the predominant professional group completing ECTPs in the community. There was broad support for a wider range of community-based health and social care professionals being able to complete ECTPs. There was no system for reviewing ECTPs in 20% of respondents' practices.

When compared to using a DNACPR form GPs using a ReSPECT form for emergency care treatment planning were more comfortable having these conversations with patients (OR=1.72, 95% CI 1.1 to 2.69) and family members (OR=1.85 (95% CI 1.19 to 2.87).

Conclusion

The potential benefits and challenges of widening the pool of health and social care professionals initiating and / or completing the ECTP process needs consideration. ReSPECT plans appears to make GPs more comfortable with ECTP discussions supporting their implementation. Practice-based systems for reviewing ECTP decisions should be strengthened.

Keywords

planing, pr. DNACPR, End of Life, ReSPECT forms, Emergency care treat planning, primary care, electronic survey

Where this fits.

Recommended Summary Plan for Emergency Care and Treatment (ReSPECT) is a particular model of Emergency Care and Treatment Plan (ECTP) that is currently being implemented across primary and secondary care in many areas of the UK.

Little is known about the use of ECTPs in primary care.

This research found general practitioners are more comfortable having a ReSPECT conversation than other forms of ECTP conversation.

The potential benefits, and challenges, of widening the pool of health and social care professionals initiating and / or completing ECTPs, and of strengthening practice-based processes for their review, needs consideration.

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General practitioners' views on emergency care treatment plans; an on-line survey

Background

Using 'Do Not Attempt CardioPulmonary Resuscitation' (DNACPR) decisions to help future decision making for people with a life-threatening condition is well established in both primary and secondary care.(1) These do not, however, convey substantial clinical information, or what an individual's treatment preferences might be, nor consider which other treatments might, or might not, be appropriate should their clinical condition deteriorate.(2-4) In response, there has been a move to a more holistic approach to recording recommendations about future treatment decisions with the development of emergency care treatment plans (ECTPs). These plans encompass broader clinical decision making, whilst still describing DNACPR recommendations. Several models of ECTP have been developed by individual NHS Trusts or regional health care systems in the UK.(5-8) In 2016 the Resuscitation Council UK (RCUK) developed a model of ECTP that was intended to be used nationally across primary and secondary care.(9, 10) By 2023, this model, the Recommended Summary Plan for Emergency Care and Treatment (ReSPECT) had been adopted to some extent in 65% of Integrated Care Systems in England (personal communication RCUK).

An evaluation of ReSPECT in early adopting Acute NHS Trusts identified challenges with clinicians suggesting that the conversation, and completion of a ReSPECT plan, would be better in primary care with conversation(s) taking place over a period of time, with a general practitioner (GP) with whom the patient has an ongoing relationship.(11) Focus groups with GPs identified challenges to using ReSPECT in primary care. GPs with experience of completing ReSPECT forms conceptualised them as end-of-life planning documents, limiting the population for whom a plan might be initiated. Recommendations on GP initiated plans differed from those completed in hospitals, reflecting the context in which they were expected to be used.(12)

The COVID-19 pandemic increased focus on the role of ECTP. Regulatory authorities identified the importance of individualised conversations with patients about future treatment decisions, carried out by healthcare professionals with the requisite skills, knowledge and confidence.(13, 14)

Little is known about how GPs view and make use of ECTPs with their patients. We report a national survey measuring GPs' use of ECTPs, their views on using ECTPs in primary care, their readiness to complete plans with their patients, their families or someone important to the patient (henceforth families), and the factors that might influence this.

Methods

The survey is part of a larger mixed methods evaluation of the use of ECTPs in primary care.(15) Informed by our qualitative work in GP practices, and with involvement from our patient and public advisory group, we developed a questionnaire survey to measure the views of GPs working in England regarding the use of ECTPs in primary care (Table 1). For the survey we included DNACPR forms as a type of ECTP, albeit one limited to a single emergency treatment decision.

Key questions of interest were to identify which factors might predict how comfortable GPs were in having ECTP conversations with a patient or family member, assessed using five-point Likert Scales. After developing our initial questions, we refined these using think aloud interviews with six GPs.

We outsourced data collection to Medeconnect, a market research company providing a monthly online survey of 1,000, regionally representative, UK GPs (Appendix 1).(16). There are no restrictions on multiple GPs from the same practice completing the survey. The final questions, formatted in an online survey were tested by the company and the research team. These are presented in Tables 2-4.

Sample size and statistical analysis

For a binary outcome (very comfortable or fairly comfortable vs. all other responses) a sample size of 1,000 (the size of the Medeconnect monthly survey) would, if 50% were 'comfortable', provide precision of 6.2%, or if 80% were comfortable a precision of 5%.

In addition to descriptive statistics for each question we present logistic regression analyses investigating the variables associated with how comfortable GPs are in having ECTP discussions with patients or their families. We initially did unadjusted logistic regression analyses with gender, GP role, NHS region, type of area (i.e. major conurbation, large town), years since completion of GP training, and use of ReSPECT form vs. DNACPR or another ECTP as explanatory variables. We then constructed a fully adjusted logistic regression model including all the explanatory variables. As a sensitivity analysis we repeated this using a backward elimination approach.

Results

The survey ran in November 2022. Only the 841/1,000 GPs surveyed who practised in England were invited to complete it (Appendix 2). We did not achieve our original sample because of the need to gain additional ethics approval to include the devolved nations. Respondents' demographic characteristics were broadly representative of GPs in England, although males and GP partners/principals were over-represented (Table 1). Just over half (51%) of respondents reported their practice used stand-alone

DNACPR forms. ReSPECT forms were used by 41% of and 8% used other ECTP forms (Table 2). There were substantial regional differences in the forms used ranging from three quarters of GPs (79%,80%) in East/West Midlands using ReSPECT forms to DNACPR forms being predominantly used by GPs in London, the North East and North West (76%, 75%, 77%) (Table S1).

Overwhelmingly (93%), respondents reported that within their practices GPs completed ECTPs, and they felt that GPs should be able to complete them (Table 2). However, there were substantial disparities between who was reported as completing ECTPs and who they thought could complete them. Consistently respondents suggested that a wider range of health care professionals should be able to complete the forms. For example, no respondents reported GP trainees (registrars) completing ECTPs in their practice, whereas 62% felt they should be able to do this (Table2). Three quarters (77%) of respondents thought that advanced nurse practitioners should be able to complete ECTPs but only a quarter (28%) reported that this currently happened (Table 2). Similarly, there was broad support for a wide range of community-based health and social care professionals being able to complete ECTPs, with over 80% supporting senior nurses completing them (82% to 95%), half supporting less senior nurses completing the forms (51%, 56%) and a quarter (25%) supporting senior care home staff to do this (Table 2).

When GPs would consider completing an ECTP was primarily influenced by the patient's health state; 97% would consider completing a form if they felt the patient had a life expectancy of less than one year, 86% when a patient has been diagnosed with a life-threatening condition, and 71% when a patient entered a care home. Just one in four (24%) GPs would consider completing a plan based on the patient's age alone. An ECTP was considered by fewer respondents for people who were severely disabled (59%) or living with a long-term condition (61%) (Table 2).

A mixed pattern was seen for when GPs might consider reviewing ECTPs. Strikingly, one in five (20%) respondents reported that their practices had no system for reviewing forms. Only a minority had routine systems in place for reviewing these; annually (37%), six-monthly (12%), or at over 75s annual health check (28%). Even when there was a patient request (57%), or a change in health state (71%) it was far from standard practice to review forms. Only half (46%) would consider reviewing an ECTP following a hospital admission (Table 2).

Overall, ECTP was viewed positively; 89% agreed that having a plan ensures treating clinicians know the patient's wishes, 82% agreed it can avoid patient's families making difficult decisions. Nevertheless, half (51%) agreed that a patient's current health condition may not be reflected in the plan when implemented and there is a serious risk it could be out of date (Table 3).

Considering the last time they had completed an ECTP, a small minority (9%) reported that a family member was not involved. Most commonly this was because the patient had capacity 54/72 (75%),

although 18 (25%) reported that the family was not available and 11 (15%) that the patient didn't want the family involved. One respondent reported that the family did not want to be involved. (Table S2).

GPs reported being at least fairly comfortable having ECTP conversations with both the patient (81%) and the patient's family (79%) (Table 4).

In our adjusted logistic regression analyses for conversations with patients, locum and salaried GPs were substantially (around 48%) less likely to be comfortable having ECTP conversations compared to partner/principal GPs; OR=0.51 (95% CI 0.31 to 0.82) and 0.53 (95% CI 0.34 to 0.82) respectively (Table 5, Table S3). For conversations with family members the difference was only statistically significant for salaried GPs; OR 0.58, (95% CI 0.38 to 0.88) (Table S4).

When compared to London, GPs in the South-West and the North-East were substantially more likely (around 4.2 times more odds) to be comfortable with ECTP conversations; OR=4.30 (95% CI 1.45 to 12.7) and 4.10 (95% 1.22 to 13.8) respectively. For conversations with family members. GPs from the South-East, East Midlands, or Yorkshire and Humber were also more comfortable than GPs from London (Table 5).

GPs using a ReSPECT form were more comfortable having these conversations with patients (72% more odds) and family members (85% more odds) when compared to GPs using a DNACPR form; OR=1.72 (95% CI 1.1 to 2.69) and OR=1.85 (95% CI 1.19 to 2.87) respectively. Results from our sensitivity analysis using a backwards elimination model were not materially different (Tables S5 & S6)

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Discussion

Summary

This study shows that ECTPs have become a standard part of general practice with 100% of respondents reporting using some form of ECTP. Nevertheless, that just over half of our respondents are still using stand-alone DNACPR forms is potentially a cause for concern, when the limitations of DNACPR for making holistic patient centred decisions have been recognised since at least 2016.(17)

GPs who used ReSPECT when compared to DNACPR were more likely to feel comfortable in having ECTP conversations with patients and their relatives. The main trigger for initiating an ECTP conversation is diagnosis of a life limiting or life-threatening condition. Whilst completion of an ECTP in primary care is currently carried out predominantly by GPs, respondents suggested that this could be carried out by a much broader range of health and social care professionals.

Respondents were very supportive of a wider spectrum of health and social care professionals being able to complete ECTPs. Support for specialist nurse practitioners for palliative care completing these forms is not surprising. That a substantial minority (25%) of GPs support senior care home staff completing ECTP forms is perhaps more surprising as these are not designed for completion by non-clinicians. Possibly our respondents had in mind senior care home staff having the initial conversations with their residents rather than formal completion of the form without clinician input. Indeed, an interview study of GPs and care home staff found that GPs value the input of care home staff in ReSPECT conversations.(18) Whilst care home staff were generally positive about being involved, they had concerns about taking responsibility for the form's content.(18).

Most respondents report the patient's clinical condition as the stimulus for initiating ECTP conversations, predominantly in the context of life limiting diagnosis or terminal prognosis. This conceptualises ECTPs as being associated with end-of-life care. This contrasts with how its developers envisaged ReSPECT but is consistent with the previous studies of the ReSPECT process.(12, 19, 20). It is unclear whether time constrains the GP staff to focus on patients who are perceived to be likely to have an acute need for emergency care in the foreseeable future, or they are conflating ECTPs with advance care planning. How GPs conceptualise ECTPs may affect their views on who can complete them and how often they need reviewing. We are exploring this question in our related qualitative study.(15)

That one in five (20%) practices have no system for reviewing ECTPs with only 58% having any routine system for review is of concern, particularly since 41% of our respondents agreed that there might be a

ReSPECT in Primary Care GP survey

serious risk of the plan being out of date and not reflecting the patient's views and half (50%) felt the patient's current health condition might not be reflected in the plan when implemented.

Caution is needed when interpreting the apparent regional differences observed in how comfortable GPs feel in having ECTP conversations because of the large number of comparisons and small numbers in some groups. Nevertheless, there appear to be differences between London, and the South West and the North East. This might reflect the impact of the presence/absence of local ECTP initiatives. For example, few London GPs use ReSPECT forms and will not have been exposed to ReSPECT training whilst in the North East there has been a long standing regional integrated approach to making care decisions in advance that includes emergency care treatment planning, with an associated education initiative (Table S1).(5)

That our data show that GPs using the ReSPECT forms are more comfortable with ECTP conversations is an important finding. What we do not know from this study is why they feel more comfortable and whether this increased comfort reflects the structure of the form itself, the added value of any training related to its implementation, of whether early adopters were already more comfortable. We do not know if this translates into better quality decisions or improved patient outcomes.

Strengths and limitations

We obtained a high-quality dataset with no missing data. Our respondents were representative of England in terms of region, age, practice size, years since qualification and region (Table 1). Nevertheless, outsourcing data collection to a market research company working through a commercially funded, free to use, website may have introduced bias into the sample selection. GPs signed up to the on-line survey with the Doctors.net.uk website may not be representative of all GPs in terms of their commitment to CPD and up to date practise. We do not know if we have had responses from multiple GPs working in the same practice. Females and non-principals were underrepresented in this survey. This needs to be set against the known challenges of sending 'cold' surveys to GPs in terms of response rate and data quality (Appendix 2). Some caution is needed interpreting regression analyses because of the large number of comparisons made. Given that many GPs are using DNACPR forms rather than ReSPECT (or other ECTP) forms it is possible some reflect their experiences of DNACPR decision making rather than emergency care and treatment planning Overall, our approach has delivered a robust overview of GPs' views on this difficult topic. Nevertheless, we have no data on what actually happens in general practice.

Comparison with existing literature

This is the first survey of GPs' use of ECTP.

Implications for practice

ECTPs are seen as providing benefit to patients by GPs. Using ReSPECT makes GPs more comfortable with ECTP discussions. Nevertheless, half our respondents still use DNACPR forms. Future implementation of ECTP in primary care should consider its conceptualisation and use in relation to advance care planning more generally to ensure people who may benefit are not excluded from conversations. Patients and their informal carers prefer health care professional to initiate an advance care planning conversation, and their views on initiation and completion of ECTPs may be similar.(21) Given our findings, widening the pool of health and social care professionals involved in ECTP conversations should be considered; however, further work is needed to explore the acceptability of this approach to ECTP discussions for patients, their families, and the professionals involved. Systems for reviewing prior recommendations need to be strengthened.

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Ethical review

Ethical review was provided by London South East Research Ethics Committee (ref 21/LO/0455)

Competing Interests

MU, JD, FG, RS, AS, are chief investigators or co-investigators on multiple research projects funded by NIHR

MU is a co-investigator on grants funded by the Australian NHMRC and Norwegian MRC. He was an NIHR Senior Investigator until March 2021. He is a director and shareholder of Clinvivo Ltd that provides electronic data collection for health services research. He receives some salary support from University Hospitals Coventry and Warwickshire He is a co-investigator on two current and one completed NIHR funded studies that have, or have had, additional support from Stryker Ltd

PG is supported by NIHR Applied Research Collaboration West Midlands and is an NIHR Senior Investigator.

Role of the funder

This work was funded UK National Institute for Health Research (NIHR131316). The funder of the study had no role in study design, data collection, data analysis, data interpretation or writing of the report. The corresponding author had full access to all the data in the study and had final responsibility for the decision to submit for publication.

The views expressed in this publication are those of the authors and not necessarily those of the NIHR or the UK Department of Health and Social Care.

Data sharing

All requests for data should be sent to the Warwick Clinical Trials Unit data access team (wctudataaccess@warwick.ac.uk). Access to anonymised data may be granted following review.

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	I able Respondent characteristics	1 totals and percentages		
	Respondent characteristics,	totals, and percentages	0	National
		Total (N=841)		data
Aae			\mathcal{O}	data
, igo	35 or under	39	5%	11% ^a
	36 to 45	319	38%	36%
	46 to 55	318	38%	30%
	56 or over	165	20%	22%
Gender			_070	,.
	Male	446	53%	42% ^b
	Female	385	46%	57%
	Other	1	0%	1%
	Prefer Not to Sav	9	1%	_
Current role			.,.	
	GP Partner / Principal	419	50%	42% ^c
	Salaried GP	255	30%	27%
	Locum GP	156	19%	-
	GP Registrar	/ 11	1%	-
English NHS Re	gion			
0	London	114	14%	16% ^d
	South West	85	10%	11%
	South East	142	17%	15%
	West Midlands	92	11%	19%
	East Midlands	62	7%	1070
	East of England	93	11%	11%
	Yorkshire and Humber	94	11%	15%
	North East	44	5%	1070
	North West	115	14%	13%
Type of area				
	Major Conurbation	157	19%	39% ^e
	Large Town/City	124	15%	0070
	Medium Town/City	207	25%	52%
	Small Town/City	254	30%	
	Hamlet	94	11%	8%
	Other	5	1%	-
Practice size		22		2 2/1
	Up to 5,000	89	11%	8% [†]
	5,001-7,500	129	15%	14%
	7,501-10,000	181	22%	18%
	10,001-12,500	147	17%	17%
_	12,501 or more	295	35%	44%
i ime since com	pleting GP training	- 4	001	<u>a</u>
	0-5 years ago	51	6%	_9
	6-10 years ago	140	1/%	-
	11-15 years ago	225	21%	-
	10-20 years ago	160	19%	-
0	Over 20 years ago	200	JZ70	-

a) Data from <u>https://digital.nhs.uk/data-and-information/publications/statistical/general-and-personal-medical-services</u>, , age bands not exact matches, 1% unknown, excludes trainees

b) Data from <u>https://digital.nhs.uk/data-and-information/publications/statistical/general-and-personal-medical-services</u>, other includes unknown, excludes trainees & locums

c) Data from https://digital.nhs.uk/data-and-information/publications/statistical/general-and-personal-

medical-services, denominator all GPs, Locum and trainees not reported because of difference sin defintions

- d) Population distribution as proxy for GP practice location from <u>https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1</u> 028819/Rural_population_Oct_2021.pdf
- e) data from <u>https://digital.nhs.uk/data-and-information/publications/statistical/patients-registered-at-a-gp-practice/february-2023</u>
- f) Data from <u>https://digital.nhs.uk/data-and-information/publications/statistical/general-and-personal-medical-services</u>, other includes unknown, excludes trainees & locums
- g) No suitable data source identifed

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Totals and percentages for the emergency care and	d treatment plar	nning form completion
	Total (N=841)	% (95% CI)
What form of Emergency Care and Treatment plans do	es your practice	use?
ReSPECT	345	41 (38, 44)
DNACPR	426	51 .47, 54)
Other	70	8 (6, 10)
Who completes Emergency Care and Treatment Plans	within your prac	tice?
GP	780	93 (91,.94)
GP Trainee	0	- ·
Practice nurse	79	9 (7, 11)
Advanced nurse practitioner	234	28 (25, 31)
Specialist nurse practitioner for elderly care	140	17 (14, 19)
Who do you think should be able to complete Emergen	cy Care Treatme	ent Plans in a GP
	707	05 (02, 06)
GP Trainee	191	90 (90, 90) 60 (60, 05)
	522	02 (09, 65)
Advanced nurse practitioner	350	42 (38, 45) 77 (74 20)
Specialist nurse practitioner for elderly care	663	79 (76, 82)
Emergency Care Practitioner	550	65 (62, 69)
Who do you think should be able to complete Emergen	cy Care Treatme	ent Plans in the
community?		
Specialist nurse practitioner for palliative care	802	95 (94, 97)
Other specialist nurse practitioner	691	82 (80, 85)
Community matron/senior nurse practitioner for	690	82 (79, 85)
community care	407	
District nurse	467	56 (52, 59)
Senior care nome staff	207	25 (22, 28)
Senior nurses in nursing nome	430	51 (48, 55)
when would you consider completing an Emergency C	are and Treatme	ent Plan for a patient?
When a patient reaches a certain age	199	24 (21, 27)
When a patient is diagnosed with a life-	700	86 (83 88)
When a patient is diagnosed with a chronic	122	00 (03, 00)
long-term condition	509	61 (57, 64)
When a patient is severely disabled	497	59 (56, 62)
When you think a patient is likely to die within	813	97 (95, 98)
12 MONTINS	EOG	74 (60 74)
when a patient is admitted to a care nome	090 nt Dian fam a m ()	/1 (08, /4)
When a notiont review an Emergency Care and Treatmen	ni man tor a pati	
when a patient requests II	477	57 (53,60)
when a patient is discharged from hospital with an ECTP	389	46 (43, 50)
Annually	309	37 (33 40)
Six-monthly	104	12 (10, 15)
Annually, or six monthly, or a >75 health check	486	58 (54 061)
During or following the annual health check for		
patients aged 75 or over	238	28 (25, 31)
When you think the nationt's health has	505	71 (68 74)
when you think the patient's health has	090	11 (00, 14)
changed		
changed My practice does not have a system for	169	20 (17, 23)

				N	
		Tabla ?		0	
Attitud	des to Emerge	ncy care treatmo	ent planning		
		(N=841)		0	
Ctropaly		Neither	Discarso		
agree	Agree	agree nor disagree	Disagree	Strongly agree	
ag. oo	, igi oʻoʻ	alougioo	0	· V	
Having a plan means that th	he patient might	t not get a treatm	ent that could sa	ave their life	
14	128	131	375	193	
2%	15%	16%	45%	23%	
				5 (1)	
Having a plan can avoid the	e patient's family	/ naving to make		10 10 10	
200	409 58%	104	5%	10	
2770	3070	1270	570	170	
There is a serious risk that	the plan could b	e out of date wh	en implemented	and not reflect	
the patient's current views					
33	315	277	200	16	
4%	37%	33%	24%	2%	
The patient's current health	condition may	not be reflected i	n the plan when	implemented and	1
there is a serious risk it cou	ld be out of date				
34	391	235	166	15	
4%	46%	28%	20%	2%	
Lloving a plan analyza that	tracting aliginia	na kraw tha natio	ntio wichoo		
Having a plan ensures that	treating clinicial	ns know the patie	ants wisnes	1	
27%	63%	10%	1%	0%	
	05				
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How comfortable or u	uncomfortable	Table 4	ing conversation	
E	mergency Car	e and Treatmen	it Plans?	
		(N=841)		<u> </u>
			Ó	
Very	Fairly	nor	Fairly	Very
Comfortable	Comfortable	uncomfortable	uncomortable	uncomfortable
How comfortable or uncomfor and Treatment Plan with pat	ortable do you f i ents ?	eel having conve	ersations about an l	Emergency Care
251	428	112	46	4
30%	51%	13%	5%	0%
How comfortable or uncomfo	ortable do you f	eel having conve	ersations about an l	Emergency Care
and Treatment Plan with the	patient's fami	ly (or someone in 122	mportant to the pat	tient)?
227	52%	15%	43 5%	1%
	0270		0,0	170
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ReSPECT in Primary Care GP survey

Table 5
Odds ratios (95%Cls) and p-values of the predictors for being
comfortable having emergency care and treatment planning
conversations with patients

Odds ratios (95%C	Table Is) and p-value	5 es of the predictors	for being	6
comfortable havin	onversations v	care and treatment p vith patients	blanning	2
	Comfortable	Adjusted ar	alvsis	
	(n)			`
	()	Odds ratio	P value	
		(95% CI)	r value	
Gender				
Female	81% (385)	1	\sim	
Male	81% (446)	0.85 (0.59, 1.24)	0.407	
Other	100% (1)	-	0.995	
Prefer not to say	67% (9)	0.36 (0.08, 1.53)	0.166	
Current role				
GP	85% (419)	1		
Partner/Principal		·		
GP Registrar	100% (11)	•	0.984	
Locum GP	73% (156)	0.51 (0.31, 0.82)	0.006	
Salaried GP	77% (255)	0.53 (0.34, 0.82)	0.004*	
NHS region			-	
London	69% (114)	1		
East of England	77% (93)	1.24 (0.49, 3.15)	0.655	
West Midlands	78% (92)	1.29 (0.53, 3.16)	0.577	
North West	77% (115)	1.54 (0.68, 3.49)	0.297	
Yorkshire and	83% (94)	1 80 (0 70 4 63)	0 222	
Humber	0070 (04)	1.00 (0.70, 4.00)	0.222	
South East	83% (142)	2.08 (0.84, 5.17)	0.115	
East Midlands	89% (62)	2.47 (0.78, 7.86)	0.124	
North East	89% (44)	4.10 (1.22, 13.8)	0.023	
South West	91% (85)	4.30 (1.45, 12.7)	0.008	
Type of area				
Large Town/City	84% (124)	1		
Major Conurbation	74% (157)	1.01 (0.43, 2.35)	0.987	
Medium Town/City	80% (207)	0.75 (0.40, 1.40)	0.361	
Small Town/City	83% (254)	0.76 (0.41, 1.41)	0.391	
Village/Hamlet	85% (94)	1.16 (0.53, 2.54)	0.714	
Other	60% (5)	0.30 (0.04, 2.22)	0.237	
Practice size				
Up to 5, 000	75% (89)	1	0	
5,001-7,500	78% (129)	0.98 (0.49, 1.96)	0.961	
7, 501-10, 000	76% (181)	0.85 (0.44, 1.62)	0.614	
10.001-12.500	83% (147)	1.40 (0.68, 2.86)	0.360	
12, 501 or more	85% (295)	1.60 (0.83, 3.11)	0.161	
Time since completion of G	P training			
0-5 years ago	90% (51)	1		
6-10 years ago	83% (Ì4Ó)	0.62 (0.21, 1.82)	0.388	
11-15 years ago	81% (225)	0.54 (0.19, 1.52)	0.246	
16-20 years ago	80% (160)	0.46 (0.16, 1.35)	0.158	
Over 20 years ago	78% (265)	0.43 (0.15, 1.19)	0.105	
Emergency care and treatm	ent form used			
DNACPR	77% (426)	1	–	
ReSPECT	86% (345)	1.72 (1.10, 2.69)	0.017	
Other	80% (70)	1.00 (0.51, 1.95)	0.998	
ACC SCO SCO SCO SCO SCO SCO SCO SCO SCO S				

References

1. Freeman K, Field RA, Perkins GD. Variation in local trust Do Not Attempt Cardiopulmonary Resuscitation (DNACPR) policies: a review of 48 English healthcare trusts. BMJ Open. 2015;5(1):e006517.

2. Beach MC, Morrison RS. The effect of do-not-resuscitate orders on physician decision-making. J Am Geriatr Soc. 2002;50(12):2057-61.

3. Chen JL, Sosnov J, Lessard D, Goldberg RJ. Impact of do-not-resuscitation orders on quality of care performance measures in patients hospitalized with acute heart failure. Am Heart J. 2008;156(1):78-84.

4. Henneman EA, Baird B, Bellamy PE, Faber LL, Oye RK. Effect of do-not-resuscitate orders on the nursing care of critically ill patients. Am J Crit Care. 1994;3(6):467-72.

5. Deciding right Education Resources for Professionals [Available from:

https://northerncanceralliance.nhs.uk/deciding-right/deciding-right-education-resources-for-professionals/ Accessed 04/07/23.

6. Fadel MG, Parekh K, Hayden P, Krishnan P. Improving resuscitation decisions: a trust-wide initiative. BMJ Open Qual. 2018;7(4):e000268.

7. Stockdale C, Trivedi B, Jerome E, et al. Implementation of a combined Cardiopulmonary Resuscitation and Treatment Escalation Plan document in a District General Hospital. BMJ Qual Improv Rep. 2014;2(2).

8. Shermon E, Munglani L, Oram S, William L, Abel J. Reducing DNACPR complaints to zero: designing and implementing a treatment escalation plan using quality improvement methodology. BMJ Open Qual. 2017;6(2):e000011.

9. House of Commons Health Committee. End of Life Care: Fifth Report of Session 2014–15. London; 2015. <u>https://publications.parliament.uk/pa/cm201415/cmselect/cmhealth/805/805.pdf accessed</u> 26/09/23.

10. Fritz Z, Slowther AM, Perkins GD. Resuscitation policy should focus on the patient, not the decision. BMJ. 2017;356:j813.

11. Eli K, Ochieng C, Hawkes C, , et al. Secondary care consultant clinicians' experiences of conducting emergency care and treatment planning conversations in England: an interview-based analysis. BMJ Open. 2020;10(1):e031633.

12. Huxley CJ, Eli K, Hawkes CA, F, et al. General practitioners' experiences of emergency care and treatment planning in England: a focus group study. BMC Fam Pract. 2021;22(1):128.

13. General Medical Council, Statement on advance care planning during the COVID-19 pandemic, including do not attempt cardiopulmonary resuscitation (DNACPR). 2020. <u>https://www.gmc-uk.org/news/news-archive/statement-on-advance-care-planning-during-the-covid-19-pandemic</u> accessed

26/09/23 14. General Medical Council, Protect, respect, connect – decisions about living and dying well during COVID-19. CQC. 2021 <u>https://www.gmc-uk.org/news/news-archive/statement-on-advance-care-planning-</u> during-the-covid-19-pandemic Accessed 04/07/23.

15. Evaluating ReSPECT in Primary Care Study [Available from:

https://warwick.ac.uk/fac/sci/med/research/hscience/sssh/research/respect/ Accessed 04/07/23.

16. Medeconnect. medeConnect, Helathcare insight [Available from:

https://www.medeconnect.net/gp-omnibus.html Accessed 04/07/23

17. Perkins GD, Griffiths F, Slowther AM, et al. Do-not-attempt-cardiopulmonary-resuscitation decisions: an evidence synthesis. NIHR Journal Series. 2016.

18. Kesten JM, Redwood S, Pullyblank A, et al. Using the recommended summary plan for emergency care and treatment (ReSPECT) in care homes: a qualitative interview study. Age Ageing. 2022;51(10).

19. Eli K, Hawkes CA, Ochieng C, , et al. Why, when and how do secondary-care clinicians have emergency care and treatment planning conversations? Qualitative findings from the ReSPECT Evaluation study. Resuscitation. 2021;162:343-50.

20. Hawkes CA, Fritz Z, Deas G, et al. Development of the Recommended Summary Plan for eEmergency Care and Treatment (ReSPECT). Resuscitation. 2020;148:98-107.

21. Hall A, Rowland C, Grande G. How Should End-of-Life Advance Care Planning Discussions Be Implemented According to Patients and Informal Carers? A Qualitative Review of Reviews. J Pain Symptom Manage. 2019;58(2):311-35.