## **Supplemental Online Content**

Wong SPY, Prince DK, Kurella Tamura M, et al. Value placed on comfort vs life prolongation among patients treated with maintenance dialysis. *JAMA Intern Med.* Published online March 27, 2023. doi:10.1001/jamainternmed.2023.0265

eAppendix. Study Survey

eTable 1. Study Results on Advance Care Planning Behaviors and Treatment Preferences (N=933)

eTable 2. End-of-Life Care

This supplemental material has been provided by the authors to give readers additional information about their work.

#### eAppendix. Study survey

Materials include only survey items presented in the current study and do not include all items in the original survey.

# USRDS Study about Treatment Preferences (UState) Patient Questionnaire

Thank you for taking part in our study to improve care for patients with kidney disease. We want to hear about the experiences of people receiving dialysis. We hope that by improving our understanding of the experiences of patients on dialysis and their families that we will be able to better help patients receive the type of care they need and want.

This questionnaire covers a number of topics. Some questions are about your health and emotions. Another set of questions are about the care preferences you may have now or if you become very sick. Other questions ask for general information about you, so that we can find out more about the people who are participating in this study. It will take about 30 minutes to complete these questions.

Because many types of people will be answering these questions, some questions may not apply to you. Please feel free to skip any questions that you do not want to answer, or that you feel do not apply to you. Because we have used questions from other surveys, some of the questions may seem quite similar to each other. All of your answers are confidential and will not be shared with anyone else.

Thank you very much for taking the time to complete this survey.

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Your name:		
First	Middle	Family name
Your date of birth://		
Mo. / Day / Year		
Your social security number:	(0	only include if you agree that your social security number

## **Section A: Your Overall Health and Symptoms**

This section asks about your overall health and symptoms that you have had in the last week.

A1. In general, would you say your health is: (Check only one answer)

<b>C3.</b> If you were to become very sick in the future and were unable to speak for yourself, would you prefer a plan of medical care that focuses on extending life as much as possible, even if it means having more pain and discomfort, or would you want a plan of medical care that focuses on relieving pain and discomfort as much as possible, even if that means not living as long? <i>(Check only one answer)</i>
<ul> <li>□ Extending life, even if that means having more pain and discomfort</li> <li>□ Relieving pain and discomfort as much as possible, even if that means not living as long</li> <li>□ I'm not sure which I would choose</li> </ul>
<b>C4.</b> If you had to decide right now, would you want CPR (cardiopulmonary resuscitation) if your heart were to stop beating? <i>(Check only one answer)</i>
<ul> <li>□ Definitely yes</li> <li>□ Probably yes</li> <li>□ Probably not</li> <li>□ Definitely not</li> </ul>
C5. If you had to decide right now, would you want to be placed on a breathing machine (ventilator or respirator) if you became so sick that you could not breathe on your own? (Check only one answer)
<ul> <li>□ Definitely yes</li> <li>□ Probably yes</li> <li>□ Probably not</li> <li>□ Definitely not</li> </ul>
C6. If you had to decide right now, where would you prefer to die if circumstances allowed you to choose?  (Check only one answer)  In my own home In the home of a relative or friend In a hospital In a nursing home Other: (describe)
C9. Have you ever had a discussion about the option of stopping dialysis if you were to become sicker, or if your goals changed? (Check all answers that apply)  Yes, with my kidney doctor Yes, with my primary care doctor Yes, with a nurse Yes, with a social worker Yes, with another healthcare provider: (describe) Yes, with a friend or family member No, I have never had a discussion about this with anyone
<b>C11</b> . Have you <u>ever had a discussion</u> about the option of receiving hospice care if you were to become sicker or if your goals changed? (This is care that is focused on trying to keep people comfortable toward the end of life rather than trying to prolong life.) ( <i>Check all answers that apply</i> )
□ Yes, with my kidney doctor □ Yes, with my primary care doctor □ Yes, with a nurse □ Yes, with a social worker □ Yes, with another healthcare provider:(describe) □ Yes, with a friend or family member □ No. I have never had a discussion about this with anyone

### Section D: About You

The next questions provide us with information about you so that we will be able to describe the people who completed this questionnaire.

<b>D1</b> . Wha	nat is your gender?	
□ <b>N</b>	Female Male Other: (des	cribe)
D2. Wha	nat ethnicity do you consider yourself? (Check only	one answer)
	Non-Hispanic Hispanic	
D3. Wha	nat race do you consider yourself? (Check only one	answer)
- E - A - D	White Black or African American Asian American Indian or Alaskan native Native Hawaiian or other Pacific Islander Other: (des	cribe)
<b>D4</b> . Wha	nat is the highest level of education you have comple	ted? (Check only one answer)
□ S □ C	8 <sup>th</sup> grade or less Some high school Graduated from high school Graduated from college, community college or trade Other: (des	
	ow true is the following statement for you? "My religion approach to life." <i>(Check only one answer)</i>	ous or spiritual beliefs are what really lie behind my
	□ Definitely true □ Tends to be true □ Tends not to be true □ Definitely not true	

eTable 1. Survey results on advance care planning behaviors and treatment preferences (N=933)

	Relief from pain and discomfort		Extending life		Unsure		
	n=452		n=179		n=302		
	N (%)	Predicted probability (95% CI)	N (%)	Predicted probability (95% CI)	N (%)	Predicted probability (95% CI)	p-value <sup>a</sup>
Durable power of attorney	246 (54.4)	52.2 (47.7, 56.7)	67 (37.4)	47.9 (40.5, 55.4)	121 (40.1)	44.0 (38.3, 49.7)	0.07
Advance directive	228 (50.4)	47.4 (42.8, 51.9)	48 (26.8)	32.4 (25.3, 39.7)	75 (24.8)	25.8 (20.9, 30.8)	<0.001
Discussed stopping dialysis	155 (34.3)	33.3 (29.1, 37.7)	38 (21.2)	22.6 (16.2, 29.1)	64 (21.2)	21.5 (17.0, 26.2)	0.001
Discussed hospice	134 (29.6)	28.6 (24.6, 32.8)	31 (17.3)	18.5 (13.0, 24.6)	53 (17.5)	18.0 (13.7, 22.4)	<0.001
Definitely or probably prefer CPR	338 (74.8)	78.0 (74.2, 81.6)	175 (97.8)	97.6 (94.5, 100.0)	277 (91.7)	92.2 (89.0, 95.2)	<0.001
Definitely or probably prefer mechanical ventilation	220 (48.7)	51.8 (47.2, 56.5)	162 (90.5)	88.6 (83.3, 93.4)	216 (71.5)	72.3 (67.2, 77.2)	<0.001
Preferred death in own or relative's home	292 (64.6)	63.5 (58.9, 68.0)	96 (53.6)	57.3 (49.8, 64.6)	156 (51.7)	54.5 (48.7, 60.2)	0.05

<sup>&</sup>lt;sup>a</sup> Based on multinomial logistic regression models adjusted for age, race, and gender Values are adjusted predicted probabilities and their 95% confidence intervals unless where otherwise indicated Abbreviations: IQR, interquartile range; CI, confidence interval; CPR, cardiopulmonary resuscitation

eTable 2. End-of-life care

	Relief from pain and discomfort		Ex	tending life		Unsure	
		Predicted		Predicted		Predicted	
	n (%)	probability (95% CI)	n (%)	probability (95% CI)	n (%)	probability (95% CI)	p-value <sup>a</sup>
Died by 2020 (N=377)	216 (57.3)		62 (16.4)		99 (26.3)		
Discontinued dialysis	88 (40.7)	38.4 (32.0, 44.9)	13 (21.0)	26.1 (14.3, 39.1)	31 (31.3)	32.4 (23.6, 41.5)	0.01
In-hospital death	118 (54.6)	55.7 (49.0, 62.2)	33 (53.2)	49.6 (36.4, 62.7)	53 (53.5)	53.3 (43.5, 63.2)	0.71
Hospice	66 (30.6)	32.2 (26.0, 38.6)	b		20 (20.2)	22.7 (14.8, 31.2)	0.16
Died by 2019 with continuous Medicare A & B during final month of life (N=239)	136 (56.9)		34 (14.2)		69 (28.9)		
Hospitalized during final month of life	168 (77.8)	71.7 (63.9, 79.1)	54 (87.1)	82.0 (68.1, 94.0)	76 (76.8)	73.4 (62.3, 83.9)	0.46
Any intensive procedure during final month of life	30 (22.1)	23.5 (16.7, 31.1)	b		19 (27.5)	26.2 (16.5, 36.7)	0.90
CPR during final month of life	12 (8.8)	9.9 (5.0, 15.4)	b		13 (18.8)	16.7 (9.0, 25.8)	0.36
Mechanical ventilation during final month of life	25 (18.4)	19.4 (12.8, 26.4)	b	<del></del>	14 (20.3)	19.2 (10.4, 28.8)	1.00

<sup>&</sup>lt;sup>a</sup> Based on multinomial logistic regression models adjusted for age, race, and gender

Values are adjusted predicted probabilities and their 95% confidence intervals unless where otherwise indicated

 $Abbreviations: IQR, interquartile\ range;\ CI,\ confidence\ interval;\ CPR,\ cardiopul monary\ resuscitation$ 

<sup>&</sup>lt;sup>b</sup>Cell counts (n<11) insufficient to support analyses