

**Supplementary Appendix
eTable 1. Preference Data**

	Patients (n=278)	Family Members (n=224)
As it relates to your overall plan of care, if the situation were to arise in which there was a deterioration of your (or your loved one's) health, which option, at this point in time, would you prefer for your/their care?		
<i>Doctors will be focused on my/my loved one's comfort, alleviating suffering, and not on being kept alive by artificial means or heroic measures such as trying to prolong my/my loved one's life with CPR and other life- sustaining technologies</i>	30.6 % (22.3%-38.8%)	34.8 % (29.0%-40.6%)
<i>A mix of options (e.g. try to fix problems but if not getting better switch to focusing only on my/my loved one's comfort even if it hastens death)</i>	30.6 % (19.4%-41.8%)	27.7 % (20.3%-35.0%)
<i>Full medical care but in the event my/my loved one's heart stops, or my/my loved one's breathing stops, No CPR</i>	18.3 % (13.5%-23.2%)	15.2 % (9.9%-20.5%)
<i>Aggressive use of heroic measures and artificial life sustaining treatments including CPR to keep me/my loved one alive at all costs</i>	11.9 % (5.2%-18.5%)	14.7 % (8.1%, 21.4%)
<i>Unsure</i>	7.9 % (2.9%-12.9%)	7.6 % (2.5%-12.7%)
<i>Declined</i>	0.7 % (0.0%-2.2%)	-

Legend:

Reported as percentages with 95% confidence intervals.

eTable 2. Patient Demographics

	Patients (n=278)
Age*	80.0 (55.0-99.0) (278)
Sex	
<i>Female</i>	147 (52.9%)
Education - highest level achieved	
<i>Less than high school</i>	109 (39.2%)
<i>High school graduate</i>	58 (20.9%)
<i>Any college or university degree</i>	111 (39.9%)
<i>Declined</i>	0 (0.0%)
Do you identify with a formal religious group or practice?	
<i>Protestant (includes Anglican, Baptist, United, Methodist)</i>	105 (37.8%)
<i>None</i>	82 (29.5%)
<i>Catholic</i>	63 (22.7%)
<i>Other (specify)</i>	22 (7.9%)
<i>Jewish</i>	4 (1.4%)
<i>Muslim</i>	1 (0.4%)
<i>Sikh</i>	1 (0.4%)
Is the respondent Caucasian?	
<i>n/N (%)</i>	263/278 (94.6%)
Caucasian and speak another language on a daily basis	
<i>n/N (%)</i>	48/278 (17.3%)
Non-Caucasian and speak another language on a daily basis	
<i>n/N (%)</i>	9/278 (3.2%)
How fit or frail was the patient at this point?	
<i>Very Fit (category 1)</i>	16 (5.8%)
<i>Well (category 2)</i>	33 (11.9%)
<i>Managing Well (category 3)</i>	54 (19.4%)
<i>Vulnerable (category 4)</i>	79 (28.4%)
<i>Mildly Frail (category 5)</i>	52 (18.7%)
<i>Moderately Frail (category 6)</i>	35 (12.6%)
<i>Severely Frail (category 7)</i>	7 (2.5%)
<i>Very Severely Frail (category 8)</i>	2 (0.7%)

Legend

CEGEP, Collège d'enseignement général et professionnel; DEC, diplôme d'études collégiales; REALM-R, rapid estimate of adult literacy in medicine–revised. n: number of patients/family members reported “yes”. N: total number of patients/family members. %: Percentage. *: mean (range) (n)

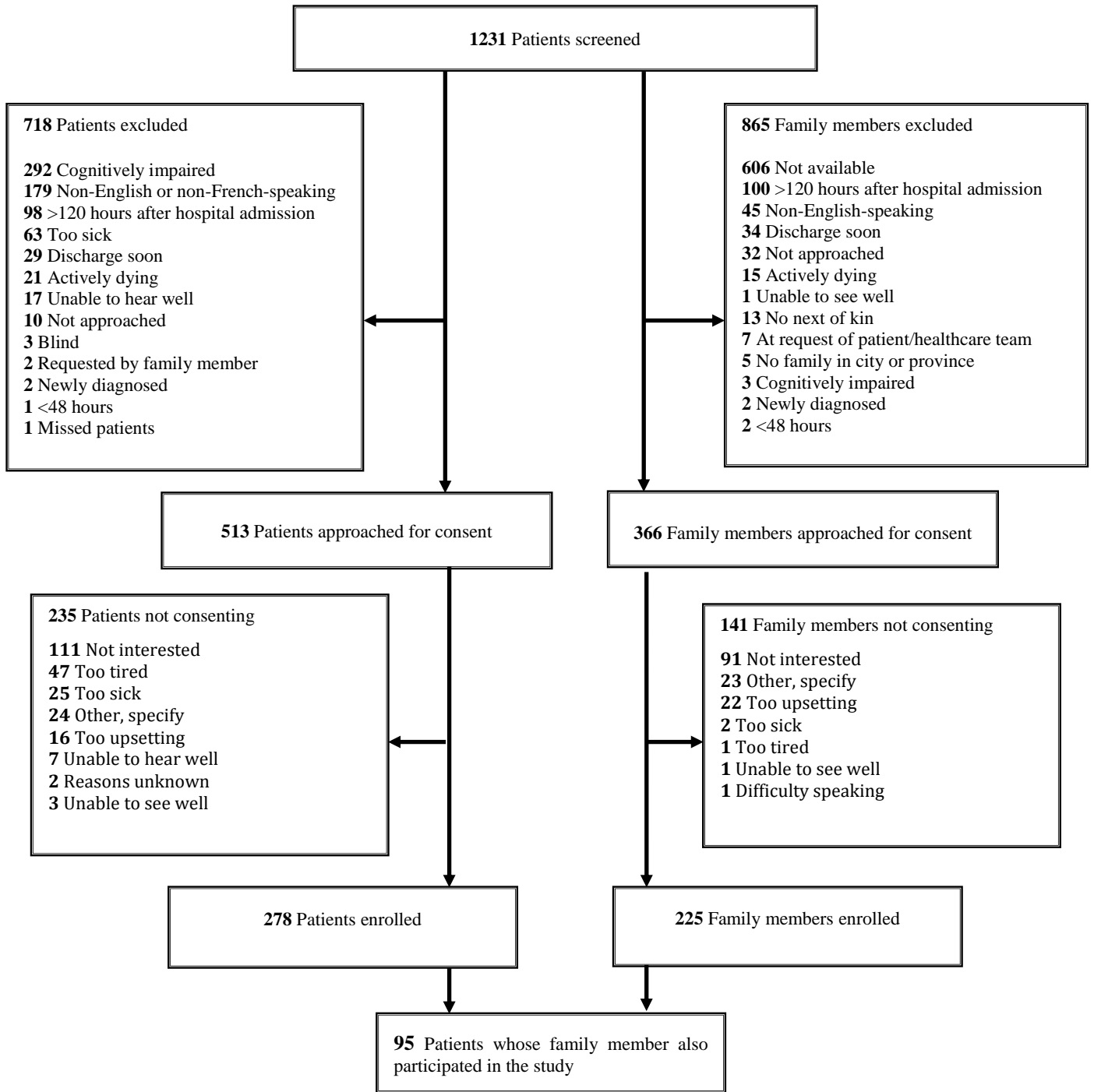
eTable 3. Family Member Demographics

	Family members (n=225)
Age	60.8(20.0-92) (221)
Sex	
	<i>Female</i> 170 (75.6 %)
Relationship to patient	
	<i>Daughter/Son</i> 126 (56.0%)
	<i>Spouse/Partner</i> 77 (34.2%)
	<i>Other (specify)</i> 13 (5.8%)
	<i>Parent</i> 3 (1.3%)
	<i>Parent-in-law</i> 3 (1.3%)
	<i>Sister/Brother</i> 2 (0.9%)
Education - highest level achieved	
	<i>Less than high school</i> 33 (14.7%)
	<i>High school graduate</i> 41 (18.2%)
	<i>Any college or university degree</i> 148 (65.8%)
	<i>Declined</i> 2 (0.9%)
	<i>Missing</i> 1 (0.4%)
Do you identify with a formal religious group or practice?	
	<i>None</i> 68 (30.2 %)
	<i>Catholic</i> 65 (28.9%)
	<i>Protestant (includes Anglican, Baptist, United, Methodist)</i> 60 (26.7 %)
	<i>Other (specify)</i> 22 (9.8%)
	<i>Jewish</i> 4 (1.8%)
	<i>Sikh</i> 2 (0.9%)
	<i>Declined</i> 2 (0.9%)
	<i>Muslim</i> 1 (0.4%)
	<i>Missing</i> 1 (0.4%)
Caucasian respondents	
	<i>n/N (%)</i> 194/224 (86.6%)
Caucasian and speaks another language on a daily basis	
	<i>n/N (%)</i> 48/224 (21.4%)
Non-Caucasian and speaks another language on a daily basis	
	<i>n/N (%)</i> 21/224 (9.4%)

Legend

CEGEP, Collège d'enseignement général et professionnel; DEC, diplôme d'études collégiales; REALM-R, rapid estimate of adult literacy in medicine-revised; n: number of patients/family members reported "yes". N: total number of patients/family members. %: Percentage. *: mean (range)(n)

eFigure 1- Flow Diagram of Patients and Families involved in this study



eFigure 2. The Relationship Between Importance of Values and Treatment Preferences— Family Members' Perspectives

The box plots show the distribution of importance of value ratings for each treatment preference.

Kendall's Tau-b is the excess concordance $[C-(1-C)]$ where C is the probability that an individual who puts a higher importance on a given value preferred more aggressive care than someone who put a lower importance on the same value. Kendall's Tau-b ranges from 1 to -1 where 1 indicates perfect concordance, -1 indicates perfect discordance and 0 indicates no association. For example, Kendall's Tau-b would be 1 if everyone who preferred aggressive life sustaining treatment provided a higher importance rating to living as long as possible than anyone else, and if everyone who preferred comfort care only gave a lower importance rating to living as long as possible than anyone else. Conversely, Kendall's Tau-b would be -1 everyone who preferred comfort care only rated the importance to avoid being attached to machines and tubes higher than everyone else, and everyone who preferred aggressive life sustaining treatment rated the importance to avoid being attached to machines and tubes lower than everyone else.

Legend:

Treatment Preference

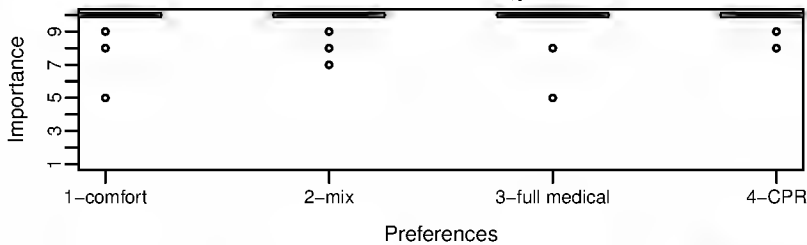
1. Doctors will be focused on my comfort, alleviating suffering, and not on being kept alive by artificial means or heroic measures such as trying to prolong my life with CPR and other life- sustaining technologies.
2. A mix of the options (e.g. try to fix problems but if not getting better switch to focusing only on my comfort even if it hastens death).
3. Full medical care but in the event my heart stops, or my breathing stops, no CPR.
4. Aggressive use of heroic measures and artificial life sustaining treatments including CPR to keep me alive at all costs

Importance of Values

1="Not at all important"; 10="Very important"

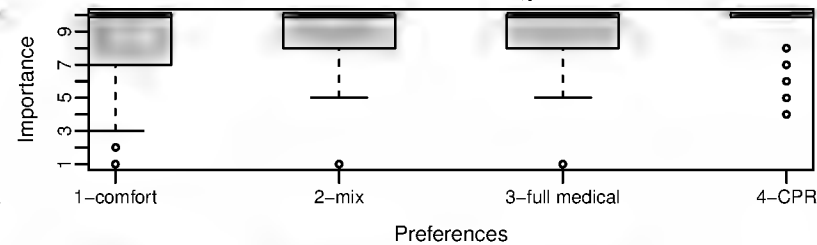
a. Be comfortable and suffer as little as possible

Kendall's Tau-b=0.03, p=0.68



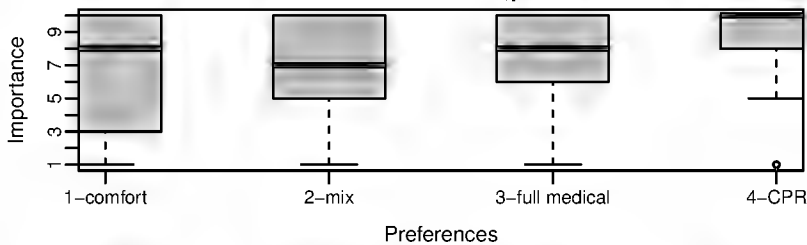
b. Have more time with my family

Kendall's Tau-b=0.14, p=0.02



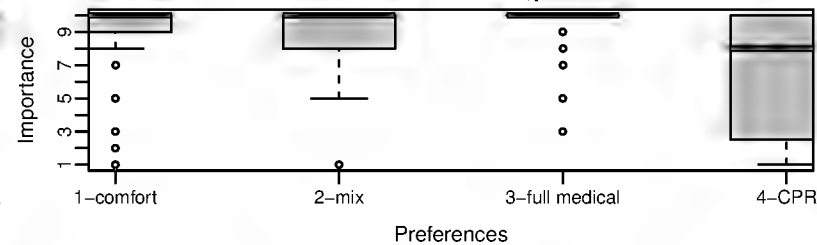
c. Live as long as possible

Kendall's Tau-b=0.19, p=0.002



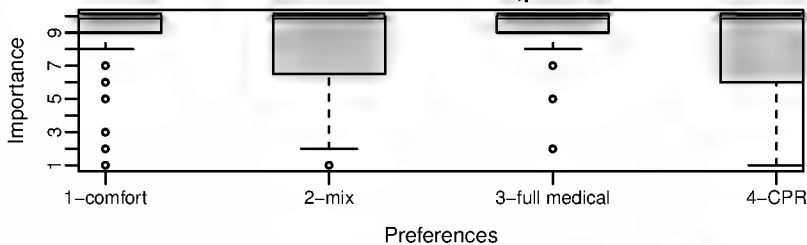
d. Avoid being attached to machines and tubes

Kendall's Tau-b=-0.15, p=0.02



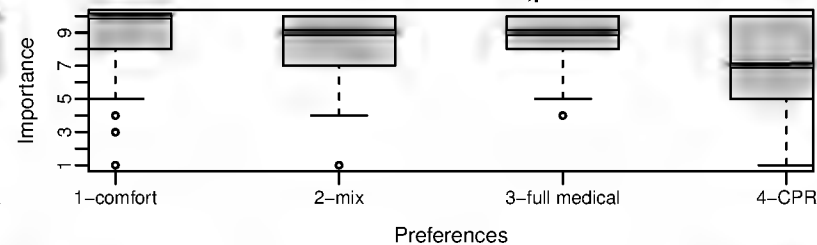
e. My death is not prolonged

Kendall's Tau-b=-0.10, p=0.14



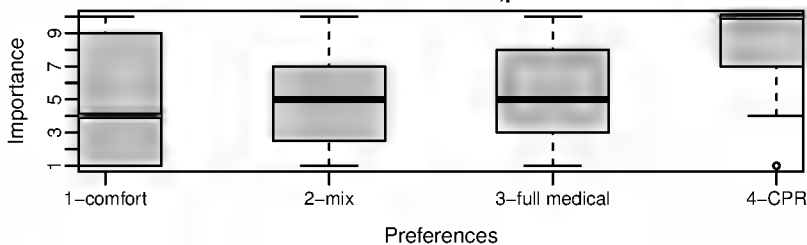
f. Nature should be allowed to take its course

Kendall's Tau-b=-0.14, p=0.02



g. Life should be preserved

Kendall's Tau-b=0.29, p<0.0001



h. Respect the wishes of other family members

Kendall's Tau-b=0.03, p=0.64

