

Supplementary Online Content

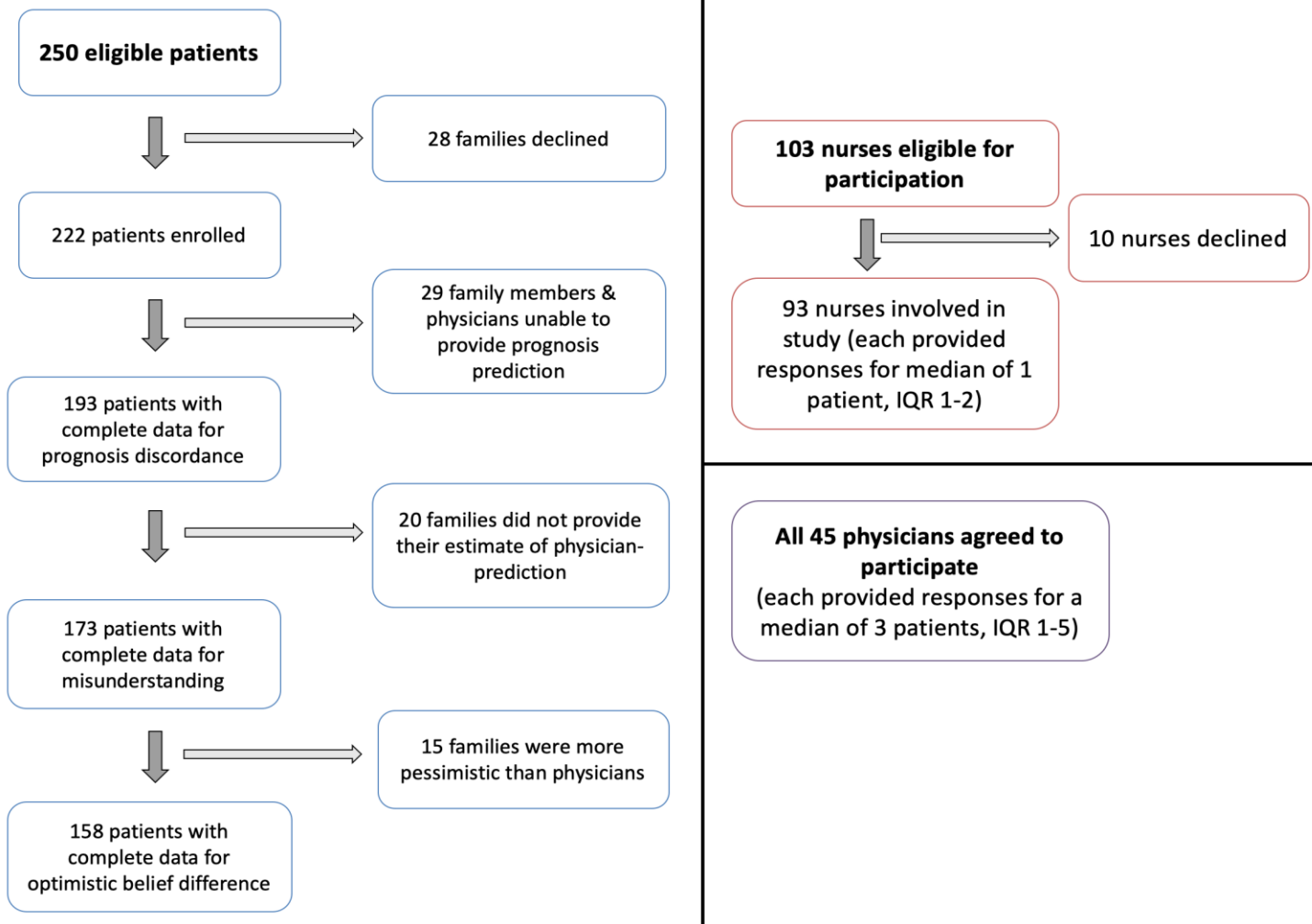
Kiker WA, Rutz Voumard R, Andrews LIB, et al. Assessment of discordance between physicians and family members regarding prognosis in patients with severe acute brain injury. *JAMA Netw Open*. 2021;4(10):e2128991. doi:10.1001/jamanetworkopen.2021.28991

eFigure. Enrollment and Participation of Families, Physicians, and Nurses

eTable. Unadjusted Associations for Different Types of Discordance

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

eFigure. Enrollment and Participation of Families, Physicians, and Nurses



Patients were only included in the evaluation of each outcome if complete data were available. For evaluation of misunderstanding, family-physician pairs were only included when physicians provided their prediction and families provided an estimate for physician-prediction (n=173). For evaluation of optimistic belief difference (vs no difference), we only included pairs where families provided both their own prognosis prediction and an estimate for physician-prediction, and we excluded those with pessimistic belief difference, leaving 158 patients.

eTable. Unadjusted Associations for Different Types of Discordance

Characteristic	OVERALL PROGNOSIS DISCORDANCE (n=193)		OPTIMISTIC PROGNOSIS DISCORDANCE (n=174)		MISUNDERSTANDING (n=173)		OPTIMISTIC BELIEF DIFFERENCES (n=158)	
	OR (95% CI)	P Value	OR (95% CI)	P Value	OR (95% CI)	P Value	OR (95% CI)	P Value
Patient Age, years	0.98 (0.97,1)	0.03	0.98 (0.97,1)	0.04	0.99 (0.97,1)	0.11	0.99 (0.98,1.01)	0.46
Female family member	1.21 (0.66,2.21)	0.54	1.14 (0.61,2.13)	0.68	0.84 (0.45,1.59)	0.59	1.04 (0.53,2.05)	0.91
BIPOC family member	3.33 (1.55,7.18)	<0.01	3.88 (1.78,8.47)	<0.01	1.86 (0.94,3.66)	0.07	2.12 (1.01,4.46)	0.05
Hispanic family member	0.6 (0.24,1.52)	0.28	0.57 (0.21,1.53)	0.26	0.59 (0.22,1.56)	0.29	1.55 (0.56,4.32)	0.40
Disease Category		0.32 ^a		0.39 ^a		0.28 ^a		0.68 ^a
Ischemic Stroke	(Reference)		(Reference)		(Reference)		(Reference)	
Intra-parenchymal hemorrhage	2.3 (0.88,6.03)	0.09	2.11 (0.8,5.56)	0.13	2.44 (0.89,6.7)	0.08	1.02 (0.37,2.86)	0.97
Subarachnoid hemorrhage	1.8 (0.75,4.34)	0.19	1.43 (0.58,3.51)	0.44	2.56 (0.96,6.8)	0.06	1.51 (0.55,4.16)	0.43
Traumatic brain injury	1.63 (0.71,3.77)	0.25	1.2 (0.51,2.84)	0.68	2.13 (0.85,5.35)	0.11	0.89 (0.36,2.2)	0.80
Cardiac arrest	2.29 (0.72,7.31)	0.16	1.94 (0.59,6.33)	0.28	2.04 (0.61,6.84)	0.25	1.08 (0.31,3.8)	0.90
Family Member Relationship		0.04^a		0.03^a		0.40 ^a		0.62 ^a
Spouse/Partner	(Reference)		(Reference)		(Reference)		(Reference)	
Mother/Father	2.27 (0.9,5.72)	0.08	1.97 (0.74,5.25)	0.17	1.61 (0.63,4.08)	0.32	1.78 (0.67,4.76)	0.25
Sister/Brother	5.07 (1.51,16.95)	<0.01	4.58 (1.32,15.93)	0.02	2.58 (0.79,8.45)	0.12	1.4 (0.41,4.71)	0.59
Son/Daughter	2.05 (1.4,2)	0.05	2.09 (0.99,4.4)	0.05	1.57 (0.73,3.36)	0.25	2.1 (0.93,4.72)	0.08
Other	3.1 (0.98,9.85)	0.06	3.66 (1.14,11.77)	0.03	1.94 (0.64,5.91)	0.25	1.5 (0.48,4.66)	0.49
Nurse perception of family understanding, fair or worse	3.75 (1.98,7.13)	<0.01	4.48 (2.31,8.7)	< .01	2.1 (1.13,3.89)	0.02	1.68 (0.87,3.24)	0.12
Physician perception of family understanding, fair or worse	1.61 (0.87,2.96)	0.13	1.74 (0.92,3.26)	0.09	1.27 (0.68,2.36)	0.46	2.53 (1.25,5.13)	0.01
Amount of Trust Family has in the Information Received	0.69 (0.37,1.26)	0.23	0.64 (0.34,1.2)	0.16	0.75 (0.4,1.39)	0.36	0.61 (0.31,1.2)	0.15

BIPOC indicates black, indigenous, and people of color; ^a Overall p value for group