

How lucky I am to have something that
makes saying goodbyes so hard.

- Winnie the Pooh



May Hua, MD, MS
Beeson Graduation Talk
November 18th 2021

Validation of the V66.7 Code for Palliative Care Consultation in a Single Academic Medical Center

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JOURNAL OF PALLIATIVE MEDICINE
Volume 20, Number 4, 2017

TABLE 2. PERFORMANCE OF V66.7 CODE FOR IDENTIFYING RECEIPT OF PALLIATIVE CARE CONSULTATION FOR ALL PATIENTS AND ACROSS SUBGROUPS

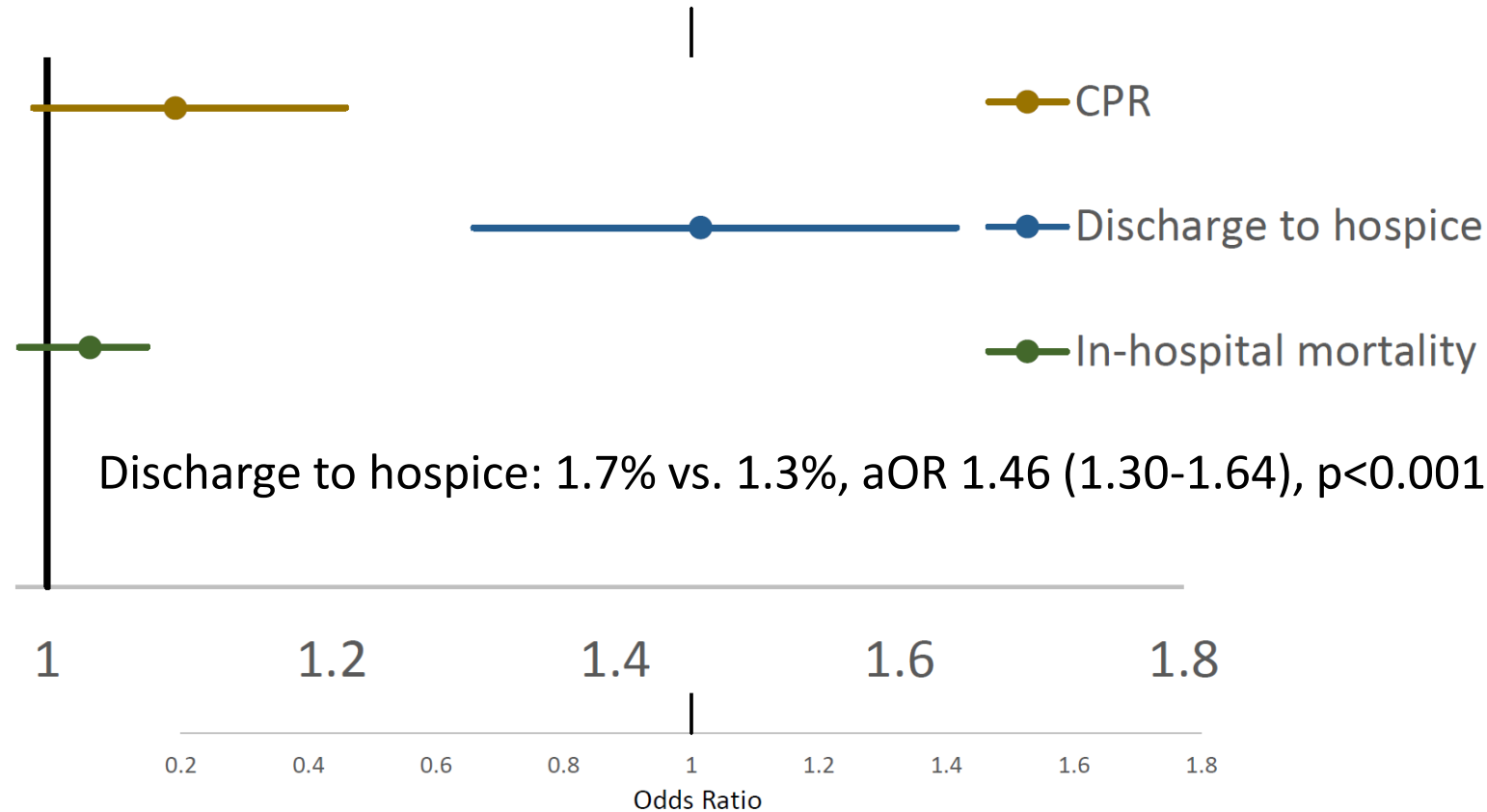
	<i>Sensitivity, %</i>	<i>Specificity, %</i>	<i>AUC</i>	<i>PPV, %</i>	<i>NPV, %</i>	<i>LR+</i>	<i>LR-</i>
All patients	49.87	99.14	0.75	54.01	98.99	58.1	0.51
Died in hospital							
Yes	53.91	75.06	0.64	43.95	81.78	2.16	0.61
No	47.92	99.59	0.74	61.72	99.28	116.34	0.52
Admitted to ICU							
Yes	42.56	97.31	0.70	55.54	95.54	15.80	0.59
No	55.40	99.37	0.77	53.16	99.42	87.71	0.45

Association between the Availability of Hospital-based Palliative Care and Treatment Intensity for Critically Ill Patients

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AnnalsATS Volume 15 Number 9 | September 2018



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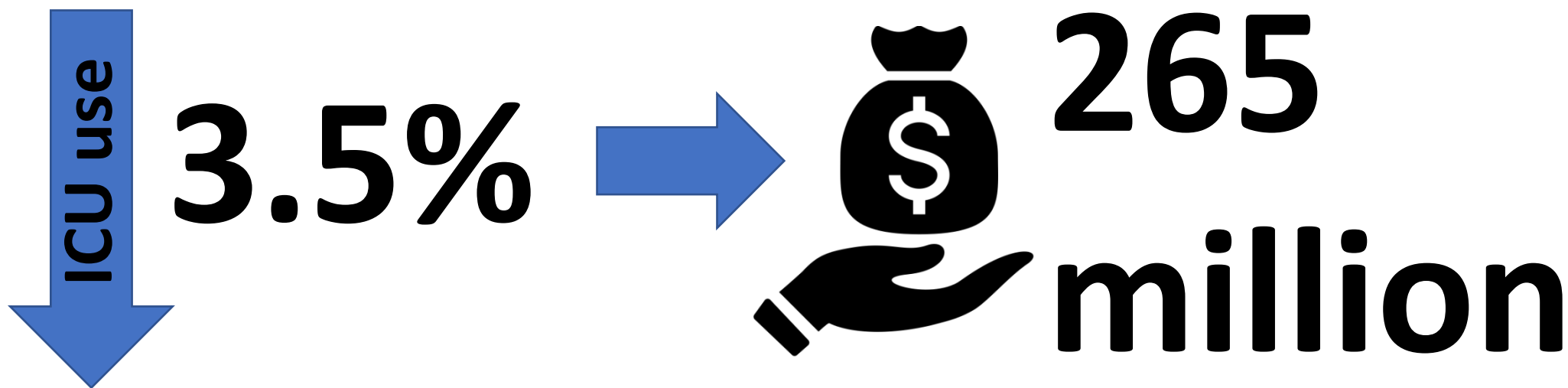
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	Non-teaching Hospitals (N=230,568)		Teaching Hospitals (N=794,935)		Bed size 100 – 399 (N= 396,249)		Bed size >=400 (N=629,254)	
	Adjusted Effect (95% CI)	P value	Adjusted Effect (95% CI)	P value	Adjusted Effect (95% CI)	P value	Adjusted Effect (95% CI)	P value
Secondary Outcomes								
Tracheostomy[‡]	1.36 (1.13 – 1.63)	0.001	0.93 (0.86 – 1.01)	0.10	1.16 (1.03 – 1.31)	0.01	0.87 (0.79 – 0.97)	0.009
Gastrostomy tube placement[‡]	1.26 (1.06 – 1.49)	0.009	0.94 (0.87 – 1.03)	0.18	1.20 (1.07 – 1.35)	0.002	0.86 (0.77 – 0.95)	0.004
Discharge to hospice^{‡,§}	0.90 (0.73 – 1.10)	0.31	1.87 (1.60 – 2.18)	<0.001	0.97 (0.83 – 1.13)	0.68	2.81 (2.26 – 3.49)	<0.001

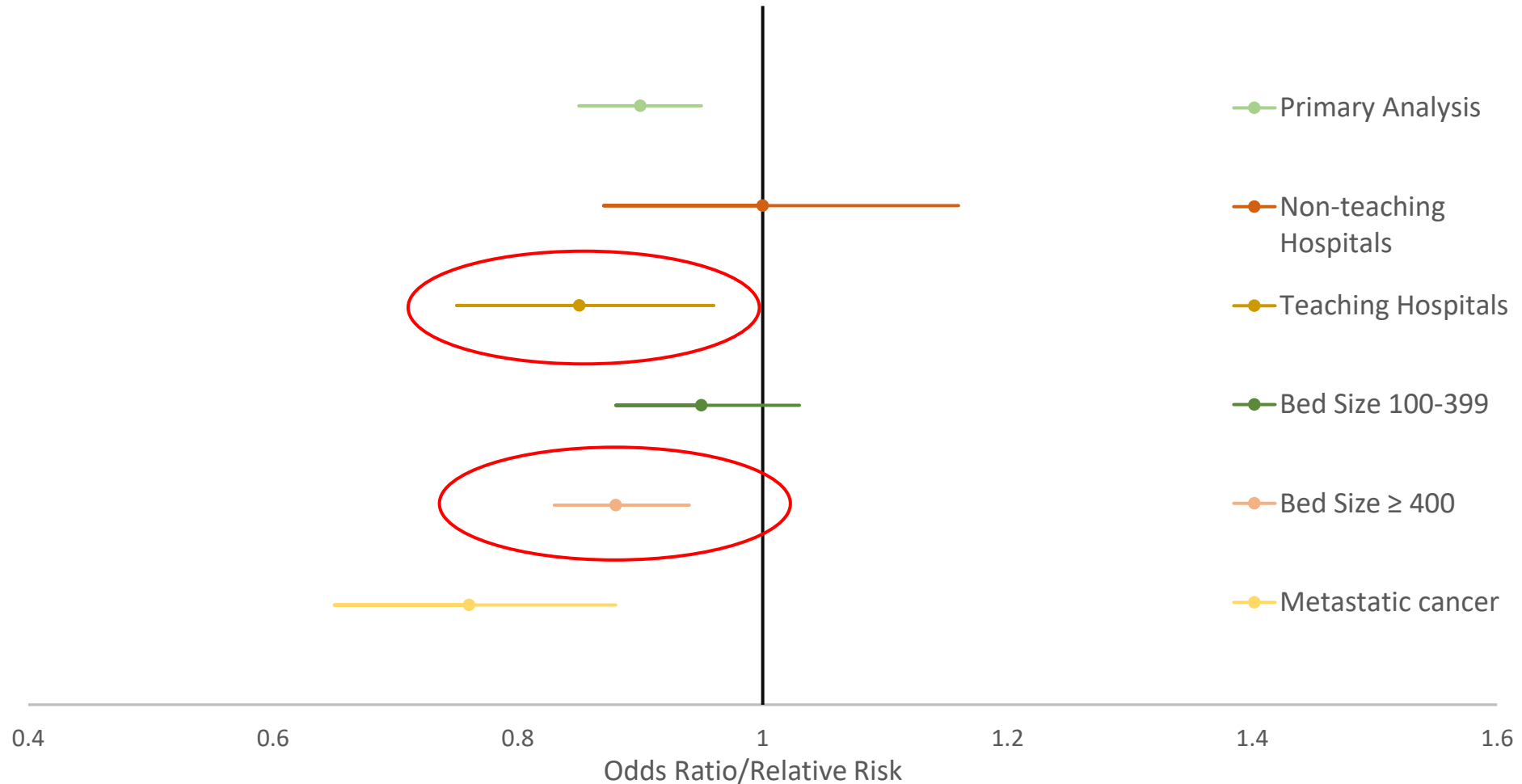
Association Between the Implementation of Hospital-Based Palliative Care and Use of Intensive Care During Terminal Hospitalizations

May Hua, MD, MSc; Yewei Lu, MS; Xiaoyue Ma, MS; R. Sean Morrison, MD; Guohua Li, MD, DrPH; Hannah Wunsch, MD, MSc

	Case		Control	DID Estimator	P-Value
	Before	After			
ICU use, %	52.8	49.3	46.0	0.90 (0.85 – 0.95)	0.0004



The effect of implementing palliative care is dependent on hospital environment



Implementation of Specialist Palliative Care and Outcomes for Hospitalized Patients with Dementia

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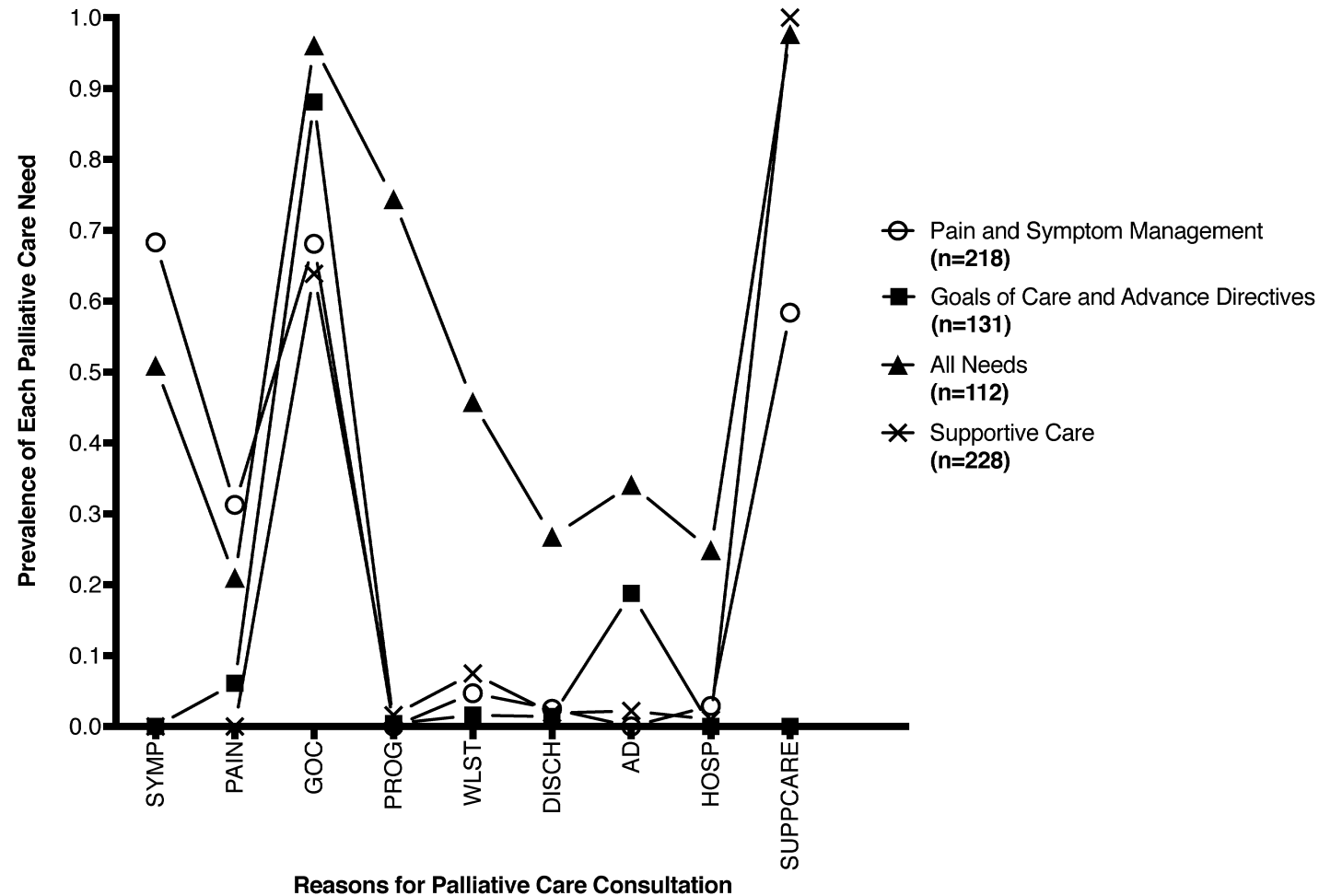
Table 2. Difference-in-Differences Analysis Examining the Effect of Implementing a Palliative Care Program on Resource Utilization in Patients with Dementia

	Unadjusted Outcomes								
	Implementation of Palliative Care Program								
	Yes (N = 41,277)				No (N = 40,841)				
	Before		After		Difference-in-Differences Estimator ^a (95% CI)		P value		
Primary outcome									
Discharge to hospice, % ^b	3.9		6.6		4.6		1.35 (1.19–1.51)		<.0001
	Nonteaching Hospitals (N = 35,228)		Teaching Hospitals (N = 57,602)		Bed size 100–399 (N = 70,618)		Bed Size ≥400 (N = 22,212)		
	Estimator ^a (95% CI)	P value	Estimator ^b (95% CI)	P value	Estimator ^c (95% CI)	P value	Estimator ^d (95% CI)	P value	
Primary outcome	0.63 (0.46–0.91)		1.74 (1.49–1.99)		1.18 (1.00–1.36)		1.51 (0.82–1.20)		.15
Discharge to hospice, % ^e	.009		<.001		.06				

Latent Class Analysis of Specialized Palliative Care Needs in Adult Intensive Care Units From a Single Academic Medical Center

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Palliative care delivery is not a singular intervention

Table 2

Association Between Latent Class Membership and High Use of Specialized Palliative Care

	Crude (OR [95% CI])	P-value	Adjusted ^a (aOR [95% CI])	P-value
Goals of Care and Advance Directives	Ref	—	Ref	—
Pain and Symptom Management	1.76 [1.04–2.98]	0.03	2.02 [1.16–3.50]	0.01
All Needs	2.36 [1.32–4.22]	0.004	2.61 [1.41–4.83]	0.002
Supportive Care	1.88 [1.12–3.16]	0.02	1.94 [1.12–3.34]	0.02

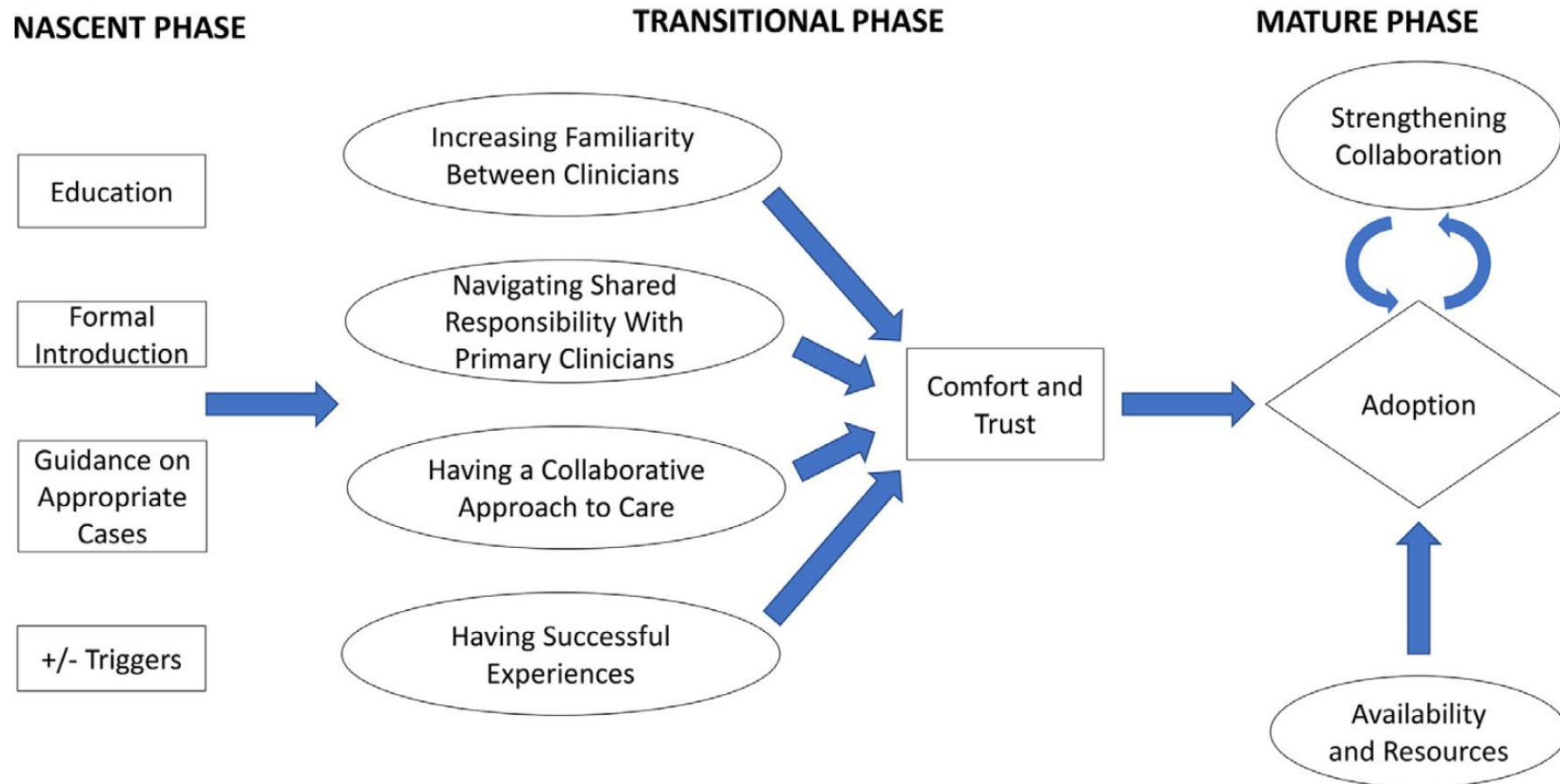
Table 3

Association Between Latent Class Membership and Number of Visits by Type of Palliative Care Clinician

	MD/NP ^a		Social Worker ^b		Chaplain ^b	
	(aOR [95% CI])	P-value	(aOR [95% CI])	P-value	(aOR [95% CI])	P-value
Goals of Care and Advance Directives	Ref	—	Ref	—	Ref	—
Pain and Symptom Management	1.10 [0.92–1.31]	0.31	1.00 [0.77–1.30]	1.00	1.69 [0.72–4.00]	0.23
All Needs	1.31 [1.08–1.60]	0.007	1.06 [0.79–1.42]	0.71	0.91 [0.34–2.42]	0.85
Supportive Care	0.79 [0.66–0.95]	0.01	1.40 [1.10–1.79]	0.007	2.29 [0.99–5.28]	0.052

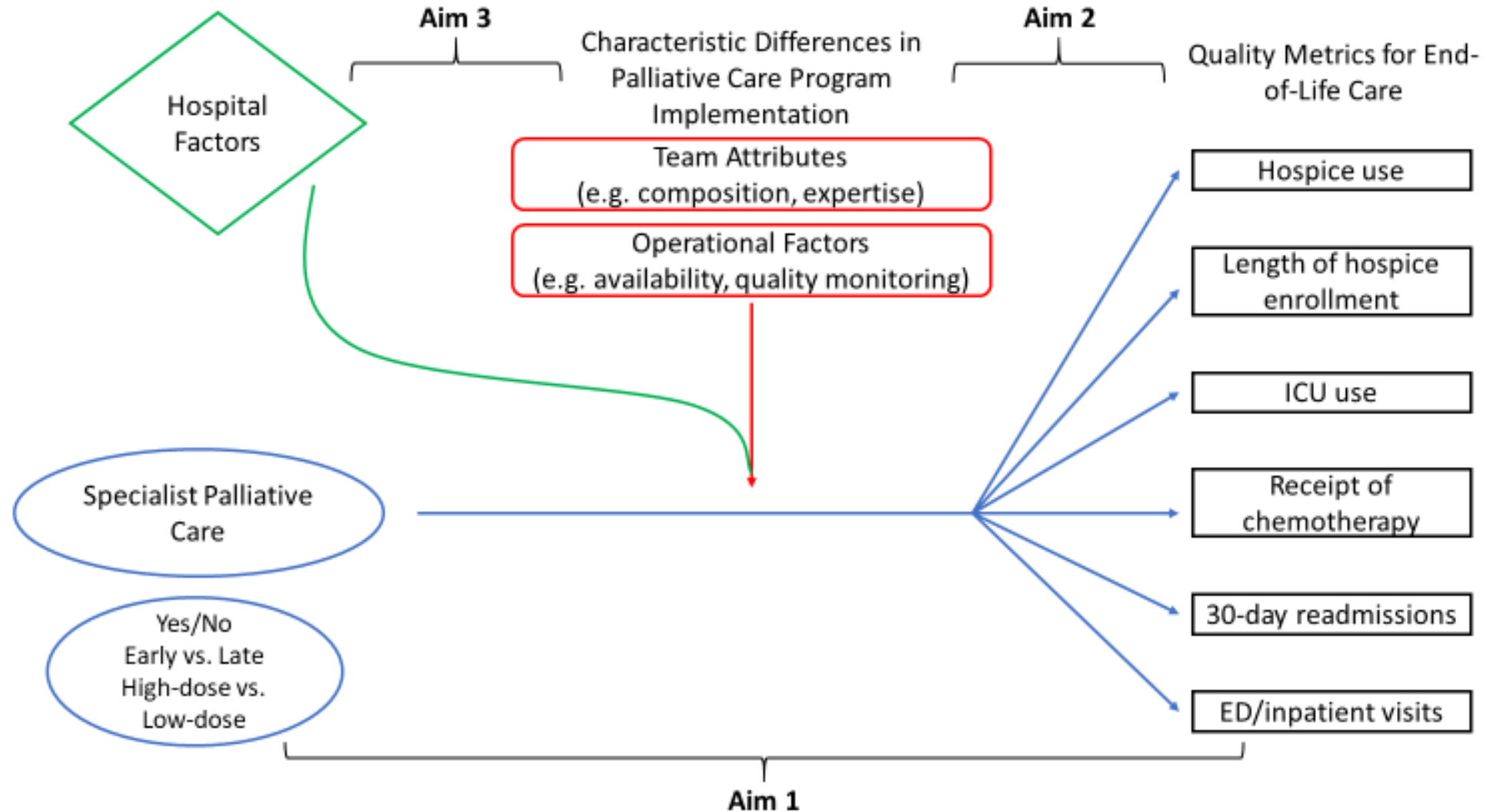
What Affects Adoption of Specialty Palliative Care in Intensive Care Units: A Qualitative Study

May Hua, MD, MS¹, Laura D. Fonseca, MS², R. Sean Morrison, MD³, Hannah Wunsch, MD, MSc⁴, Robert Fullilove, EdD⁵, and Douglas B. White, MD, MAS⁶



Determinants of Palliative Care Effectiveness for Patients with Metastatic Cancer

Figure 1. Conceptual Framework for Proposed Research



- Hannah Wunsch
- Sean Morrison
- Guohua Li
- Craig Blinderman
- Laura Fonseca
- Xiaoyue Ma
- Yewei Lu

