Prognostic awareness and healthcare utilization patterns among patients with cancer receiving home hospice care

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BACKGROUND

Prognostic awareness (PA) = a patient's understanding of their incurable disease and shortened life expectancy

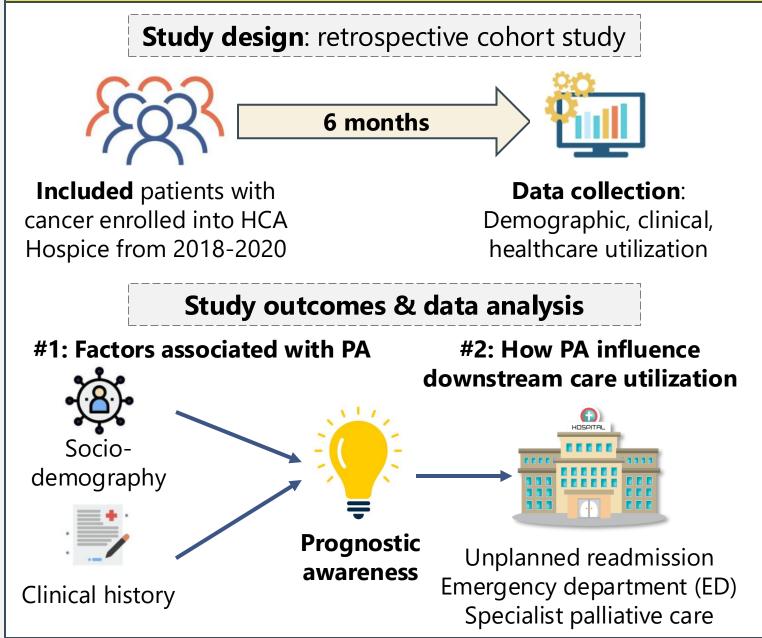


Problem: Not all patients enrolled into home hospice services are aware of their prognosis

Missed opportunity to align care with values and initiate timely advance care planning (ACP)

Aim: Assess factors influencing PA and its impact on healthcare utilization among patients receiving home hospice care

METHODS



1 Patient characteristics (N = 1983)

Age, mean (SD) Male 70.5 (12.2) 1002 (50.5%)

Cancer type Gastrointestinal: 821 (41.4%) Lung: 386 (19.5%) Breast/ gynecological: 337 (17.0%)

Cancer stage Metastatic: 1612 (81.3%)

2 Factors associate

Factor Age Gender Female Male Marital status Married Single Widowed Separated/divorced **Highest education level** No/ primary qualification Secondary qualification Post-Secondary/ polytechnic diploma professional qualification Bachelor's and above Others/ unknown Living alone No Yes Family awareness of prognosis No Yes Source of referral to hospice Specialist outpatient clinics Tertiary hospital Community hospital

RESULTS

Married Married: 1364 (68.8%

> Social support Living alone: 67 (3.5%) Caregiver support: 1945 (98.5%) Housing index 1-4 bedroom apartment: 1554 (78.3%) Healthcare subsidy levels 51-80%: 1315 (66.3%)

Education

699 (35.3%)





Comparable hospice visits and ACP completion rates

lealthcare utilization

Total number of hospice median (IQR)

Completed advance car planning after enrolmer

- hospitalizations

ed	with	prognostic	awareness

	Adjusted OR (95% CI)	Р
	0.97 (0.96, 0.98)	< 0.001
	Reference	
	1.32 (1.08, 1.62)	0.007
	Deference	
	Reference	0.000
	1.81 (1.17, 2.81)	0.008
	1.16 (0.88, 1.53)	0.294
	1.74 (1.08, 2.81)	0.023
	Reference	
	1.34 (1.02, 1.75)	0.037
a/	1.63 (1.02, 2.61)	0.043
	1.48 (0.86, 2.54)	0.157
	1.00 (0.79, 1.26)	0.982
	Reference	
	2.52 (1.40, 4.52)	0.002
	Reference	
	3.49 (2.45, 4.95)	< 0.001
	Reference	
	0.48 (0.38, 0.60)	< 0.001
	0.76 (0.40, 1.44)	0.398

989 (50%) patients were aware of their prognosis					
PA was inversely associated with: increased age					
 PA was positively associated with: Being male, Being single, Higher education level, Living alone, and Having families aware of prognosis 					
Patients referred from tertiary hospitals were less likely to have prognostic awareness than those referred from outpatient clinics					
PA was not associated with: X Healthcare subsidy levels X Comorbidity burden X Cancer stage					



Widowed: 400 (20.2%)

No/ primary qualification:

Secondary qualification: 415 (20.9%)





RESULTS (cont'd)

Association of PA with healthcare utilization

Patients aware of their prognosis had **1.3 times** higher odds of **ED visits** (95% CI OR = 1.08, 1.55) within 6 months of enrolment compared to patients who were unaware

Prognostic awareness was **not** associated with unplanned admissions within 6 months of enrolment



A greater proportion of patients aware of their prognosis were **reviewed by a specialist palliative** care team during follow-up (20.6% vs. 15.2%, P=0.002)

	Unaware of prognosis (n = 994)	Aware of prognosis (n = 989)	Ρ
e visits,	7(2-16)	8(2-16)	0.519
re nt, n (%)	298/884 (33.7%)	298/885 (33.7%)	0.986

CONCLUSION

A shaped by demographic and social factors, influences healthcareseeking behavior by increasing ED visits but not unplanned

 \Rightarrow Integrating proactive palliative care strategies and fostering awareness earlier is crucial for optimizing transitions to home hospice care