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Benjamin Jarrett

Isabella Strumpf

Rebecca Hutchinson Maine Medical Center

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Impact of palliative care consultations for patients admitted to Maine Medical Center with acute exacerbations of COPD

Benjamin Jarrett MD MPH, Isabella Stumpf DO, Rebecca Hutchinson MD MPH Department of Palliative Medicine, Maine Medical Center

Background/Purpose

- COPD is the 3rd leading cause of death.
- Specialty Palliative Care (PC) is underutilized in COPD patients.
- PC involvement has been shown to improve quality of life and satisfaction with overall care.
- We sought to evaluate the association of receipt of palliative medicine consultation during an admission for acute exacerbation of COPD with a documented Goals of Care conversations and/or presence of an advanced directive and/or POLST.

Methods

- 463 patients were identified as meeting criteria for being admitted to MMC for an acute COPD exacerbation between 07/01/2015 and 7/01/2018.
- Index admissions were defined as:
 - If seen by PC: the first admission with a PC consult was considered the index admission.
 - If never seen by PC: the first admission within the study period was the index
- Patient characteristics included age, gender, race and insurance status.
- Disease severity was measured by risk of mortality, a standardized measure of illness severity, as well as number of all-cause and COPD specific admissions in the six months prior to index admission.
- Responses to the two different Surprise Questions were available for a subset of the cohort:
 - The 30-day Surprise Question: "Would you be surprised if this patient died within the next 30 days?," was answered by the emergency room physician for 83% of patients (n=383).
 - The 1-year Surprise Question: "Would you be surprised if this patient died within the next year?" was answered by an admitting physician for 78% of patients (n=361).
- For the primary outcome of goals of care conversations, all physician notes (including consult notes) were read thoroughly for documentation of goals of care discussion.
- We also noted if there was a POLST or AD form in the chart within six months of the index admission.
- Code status on admission and on discharge was recorded.
- A subgroup analysis was performed on those patients with positive responses to the surprise question, eg the physician would NOT be surprised if the patient died.

	Number	Per	rcent
Age			
	55	59	1.
56-0		126	2
66-7	75	131	28
76-8	35	111	24
86	+	36	Ę
Gender			
Ma	le	229	50
Fema	le	234	50
Insurance			
Commerci	al	54	12
Medica	re	340	7:
Medica	id	42	(
V	A	11	1
Se	elf	16	4
Comorbidities			
CH	F	159	34
PH/IL2	D	35	{
Dement	ia	33	
Lung Cance	er	41	
Other malignand	cy	51	1
Risk of Mortality			
Mi	ld	66	14
Mc	od	80	1
Majo	or	238	52
Extrem	ne	77	1
able 2. Patient chara alliative care.		based o	
No PCC Number			P-Valu
	% N	umber 1%	

	No PCC		PCC		P-Value
	Number	%	Number	%	
Age					0.73
≤ 55	47	14	12	10	
56-65	92	26	34	30	
66-75	95	27	36	31	
76-85	87	25	24	21	
86+	27	8	9	8	
Gender					0.61
Male	175	50	54	47	
Female	173	50	61	53	
ROM					0.02
Mild	. 55	16	11	10	
Mod	. 64	19	16	14	-
Major	· 179	52	59	51	
Extreme	48	14	29	25	
COPD admit 6 months prior					<0.0001
0	309	89	61	53	
1	32	9	26	23	
2	6	2	13	11	
3 or more	1	0.3	15	13	

Table 3. Disposition based on receipt of PC											
		No PCC		PCC	I						
	Disposition	Number	Percent	Number	Percent						
	Home	168	50	24	22						
	Home with services	94	28	26	24						
	Hospice	4	1	13	12						
	Other facility	71	21	44	41						







