

## Supplement 6. The clinicians and patients' factors associated with the use of the palliative dyspnea protocol

	Total N=35 (%)	No protocol used n=31 (%)	Protocol used n=4 (%)
<b>CLINICIAN</b>			
Role			
Attending physician	14 (40.0)	13 (41.9)	1 (25.0)
Resident physician	11 (31.4)	9 (29.0)	2 (50.0)
Physician assistant	10 (28.6)	9 (29.0)	1 (25.0)
Previous seen the protocol	6 (17.1)	5 (16.1)	1 (25.0)
Year of clinical experience			
1-5	19 (54.3)	17 (54.8)	2 (50.0)
6-10	5 (14.3)	4 (12.9)	1 (25.0)
>11	11 (31.4)	10 (32.3)	1 (25.0)
<b>PATIENT</b>			
Comorbidity			
Advanced malignancy	6 (17.1)	4 (12.9)	2 (50.0)
Chronic lung	10 (28.6)	10 (32.3)	0
Chronic heart	9 (25.7)	7 (22.6)	2 (50.0)
Chronic kidney	3 (8.6)	3 (9.7)	0
Elderly $\geq 65$	16 (45.7)	16 (45.7)	0
Current opioid use	7 (20.0)	6 (19.4)	1 (25.0)
Code status			
Full	27 (77.1)	23 (74.2)	4 (100.0)
Do-not-resuscitate but intubate	3 (8.6)	3 (9.7)	0
Do-not-resuscitate or intubate	3 (8.6)	3 (9.7)	0
Comfort	2 (5.7)	2 (6.5)	0
Decision maker			
Patient	30 (85.7)	26 (83.9)	4 (100.0)
family	5 (14.3)	5 (16.1)	0
Triage information			
Respiratory rate 22-29	17 (48.6)	14 (45.2)	3 (75.0)
Respiratory rate $\geq 30$	18 (51.4)	17 (54.8)	1 (25.0)
Heart rate <110	13 (37.1)	11 (35.5)	2 (50.0)
Heart rate $\geq 110$	22 (62.9)	20 (64.5)	2 (50.0)
Oxygen saturation $\geq 94\%$	18 (51.4)	14 (45.2)	4 (100.0)
Oxygen saturation <94%	17 (48.6)	17 (54.8)	0
Initial diagnosis of dyspnea			
Heart failure, volume overload	7 (20.0)	5 (16.1)	2 (50.0)
Pneumonia	9 (25.7)	8 (25.8)	1 (25.0)
COPD exacerbation	6 (17.1)	6 (19.4)	0
Sepsis	5 (14.3)	5 (16.1)	0
Asthma	2 (5.7)	2 (6.5)	0
Malignancy	3 (8.6)	2 (6.5)	1 (25.0)
<b>TREATMENT</b>			
Nasal cannula	31 (88.6)	27 (87.1)	4 (100.0)
Mask with bag	8 (22.9)	8 (25.8)	0
Nebulizer	14 (40.0)	14 (45.2)	0
Non-invasive positive pressure	8 (22.9)	8 (25.8)	0
High flow nasal cannula	2 (5.7)	2 (6.5)	0