

Post-COVID-19 Condition: Burden of Symptoms at 3-months

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Disclosures: None



UBC CPD
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Referral Criteria

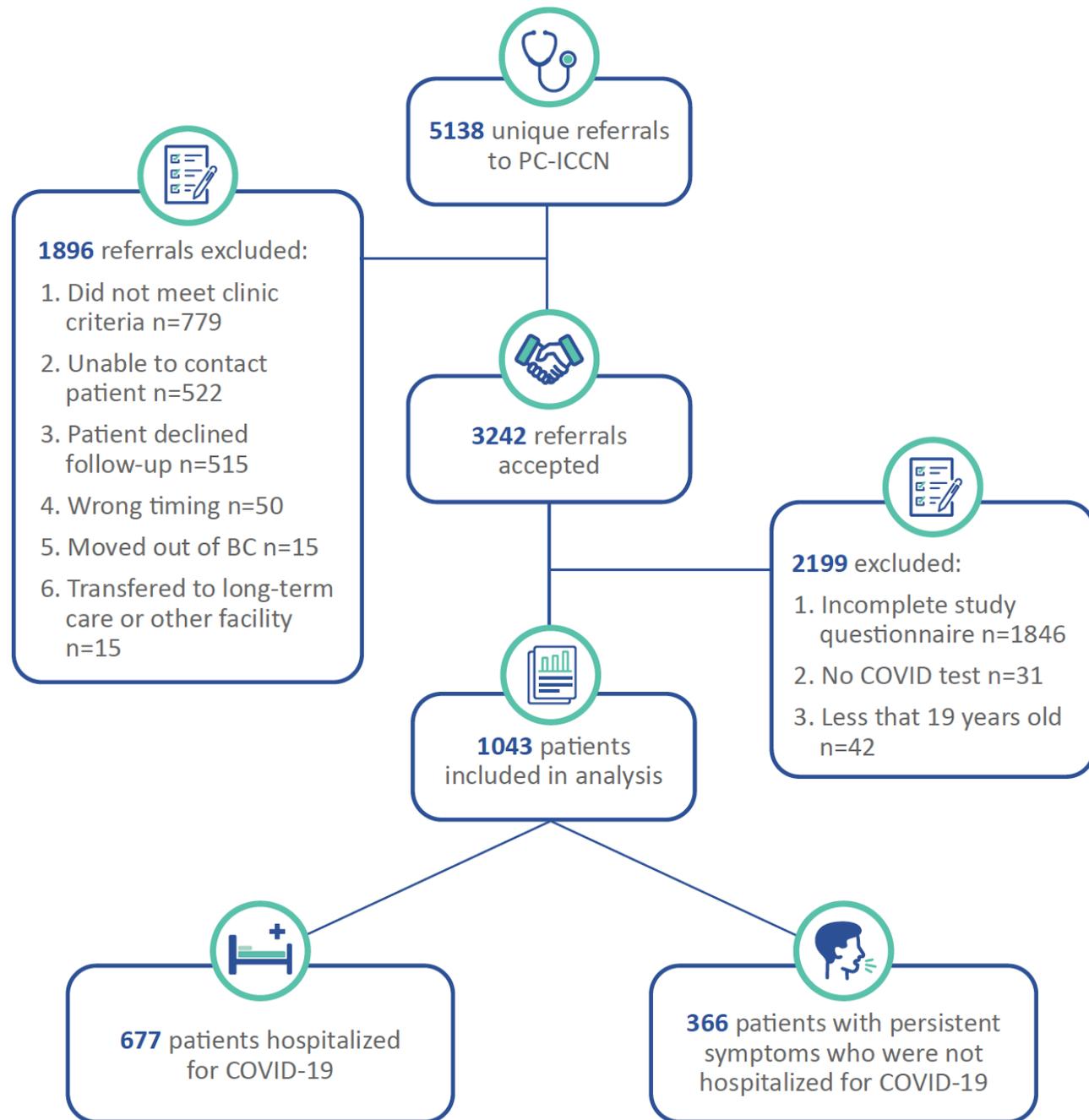
1. Patients discharged after hospitalization with acute COVID-19
2. Non-hospitalized patients with unexplained and persistent symptoms of COVID-19 for greater than 3-months

Comprehensive and Standardized Questionnaires

- Symptom Questionnaire
- Functional Assessment
 - 6 minute walk test and Sit to Stand Test
 - UCSD SOB Questionnaire (abnormal ≥ 10)
 - Fatigue Severity Score (abnormal ≥ 4)
- Quality of Life
 - EQ-5D-5L, EQ5D VAS (abnormal ≤ 75)
- Neuropsychiatric
 - GAD-2 screening for anxiety
 - PHQ-2 screening for depression
 - PC-PTSD screening for PTSD
- Organ dysfunction
 - Blood work

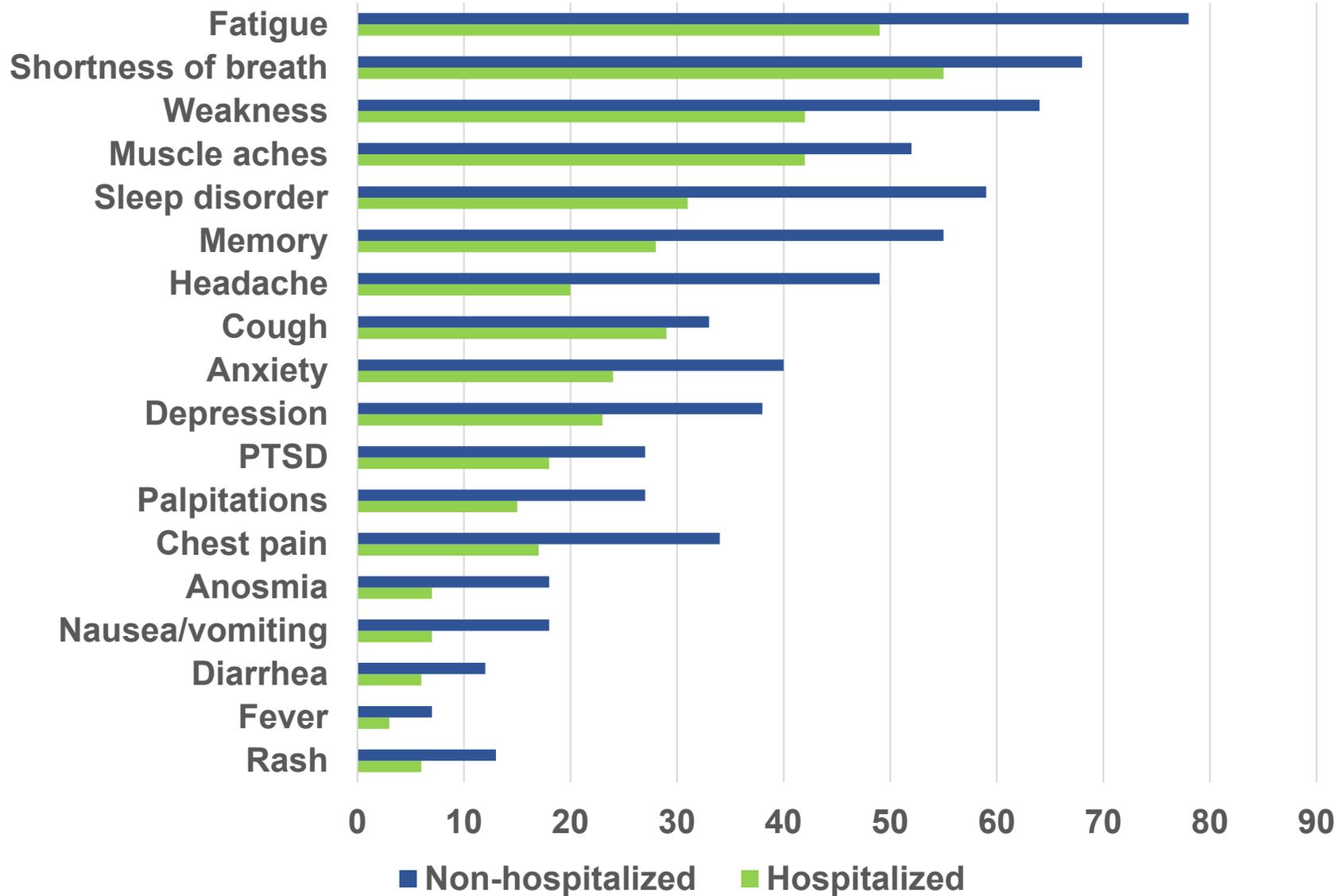
Objectives

- To describe effects of COVID-19 on symptoms and patient reported outcome measures at months for:
 - a) Individuals who are hospitalized for initial COVID-19 infection
 - b) Individuals who remain symptomatic despite COVID-19 infection that did not require hospitalization



Characteristics	Hospitalized (N=677)	Non-hospitalized (N=366)
Median Age (IQR)	59 (47, 68)	44 (36, 53)
% Females	45	64
Ethnicity		
White (%)	33	50
Asian (%)	45	26
Other (%)	14	15
COVID-19 Wave		
Wave 1 (%)	2.2	4.4
Wave 2 (%)	27.9	46.2
Wave 3 (%)	56.3	37.4
Wave 4 (%)	12.0	13.0

% Participants with Symptoms



Not all hospitalized patients were symptomatic at 3-months

	Hospitalized (N= 677)	Non-hospitalized (N=366)
No symptoms (%)	28.1	7.4
≤ 2 symptoms (%)	42.1	38.1
> 3 symptoms (%)	29.9	54.4

Patient Reported Outcome Measures

Characteristics	Hospitalized (N=677)	Non-hospitalized (N=366)
UCSD SOBQ	20 (7, 43)	29 (12, 55)
Fatigue Severity Scale	4.4 (2.4, 5.8)	6.0 (4.7, 6.7)
EQ5D Utility Index	0.68 (0.63, 0.74)	0.65 (0.53, 0.68)
EQ5D VAS	70 (55, 82)	60 (41, 70)



Conclusions

- Despite being hospitalized, 30% do not have symptoms at 3 months
- Most common symptoms are shortness of breath and fatigue
- Non-hospitalized cohort have “Long COVID”, but we cannot compare to hospital group due to study design, but we identify more symptoms and severity than previously described
- Future studies are needed to understand pathophysiology and treatment options





Thank you

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Post-COVID-19

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