

COVID-19 in PH patients: a reference center survey¹



¹Belge C, Quarck R, Godinas L, Montani D, Escribano Subias, P, Vachiéry JL, Nashat H, Pepke-Zaba J, Humbert M, Delcroix M. Covid-19 in pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension: a reference centre survey. **ERJ Open Research** 2020 (in press).



70

patients with PH
had confirmed
COVID-19

28

countries



11

needed
ICU care



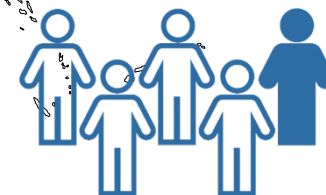
44

patients
were hospitalized

47

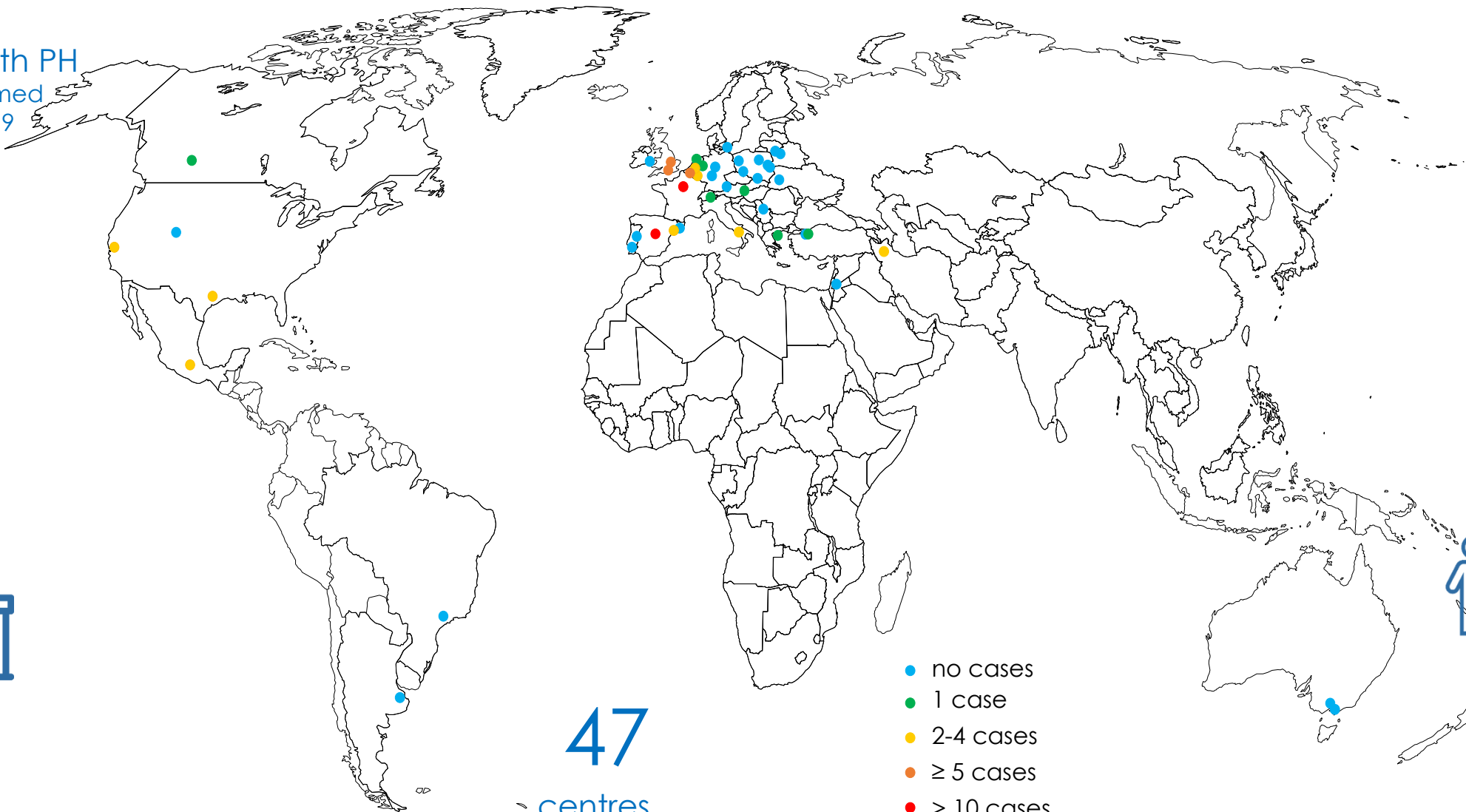
centres

- no cases
- 1 case
- 2-4 cases
- ≥ 5 cases
- > 10 cases

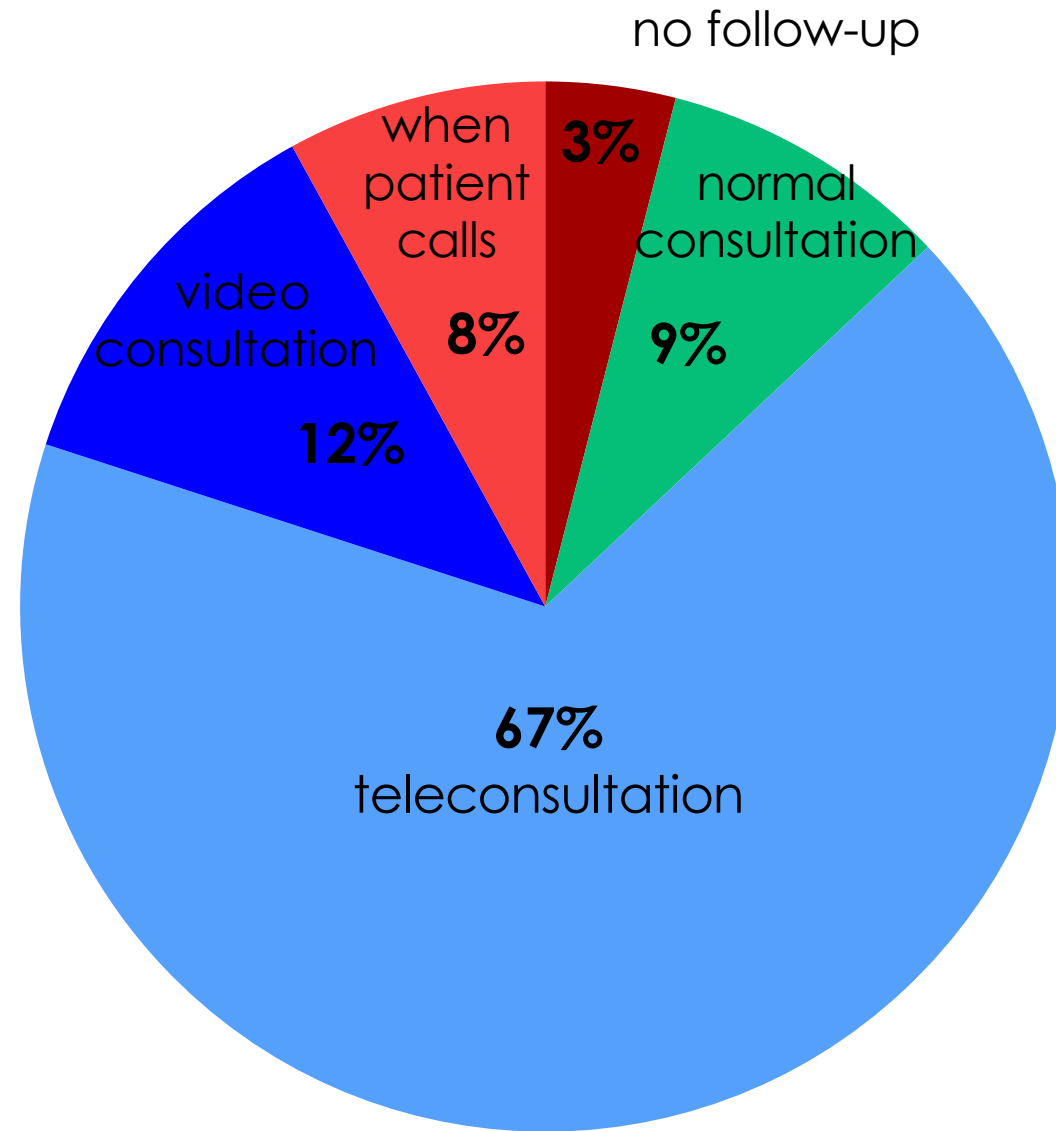


13

Died



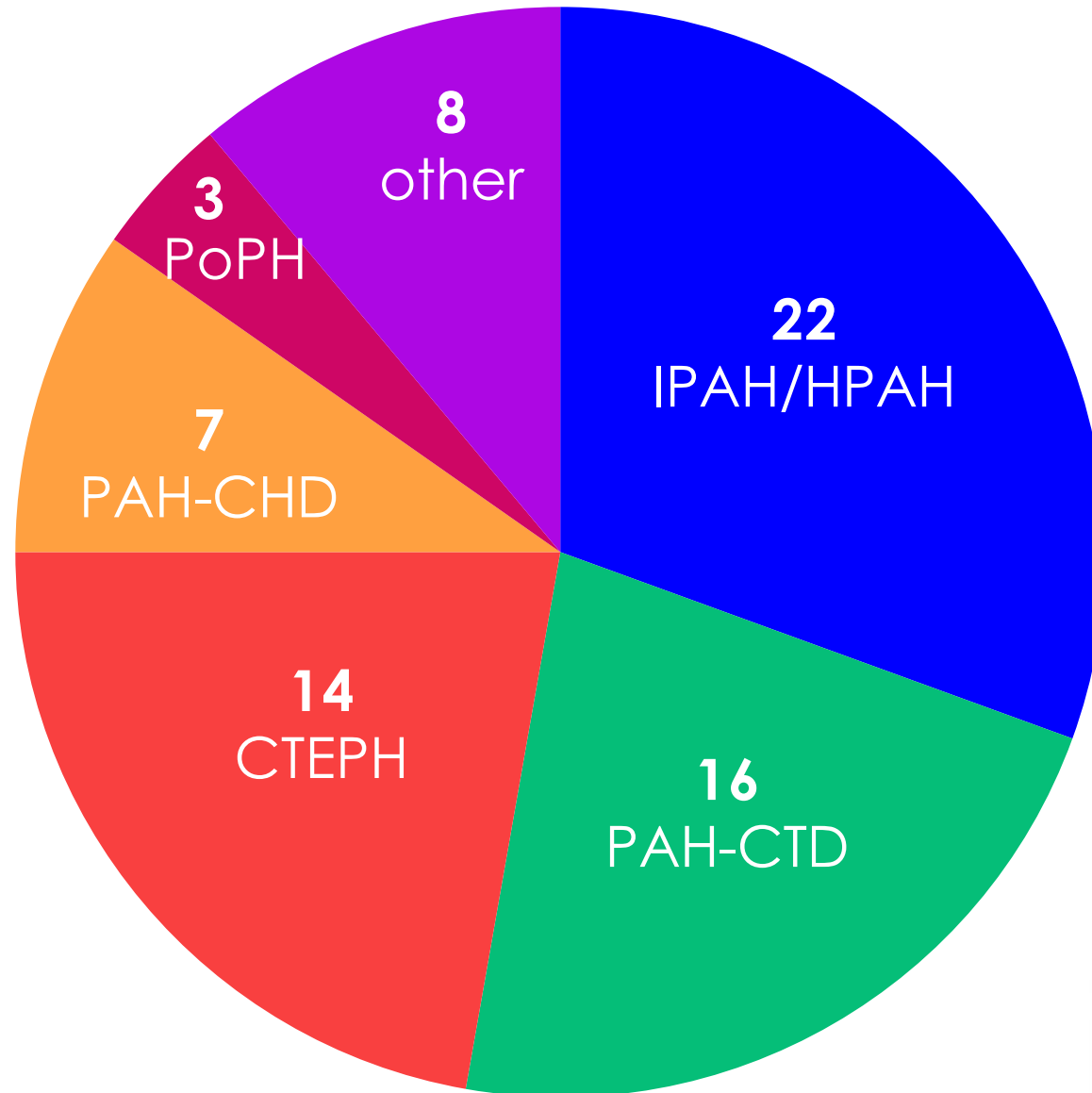
Follow up of PAH/CTEPH patients during the COVID-19 pandemic



Number of patients (n=70)

Number of centres (n=47)

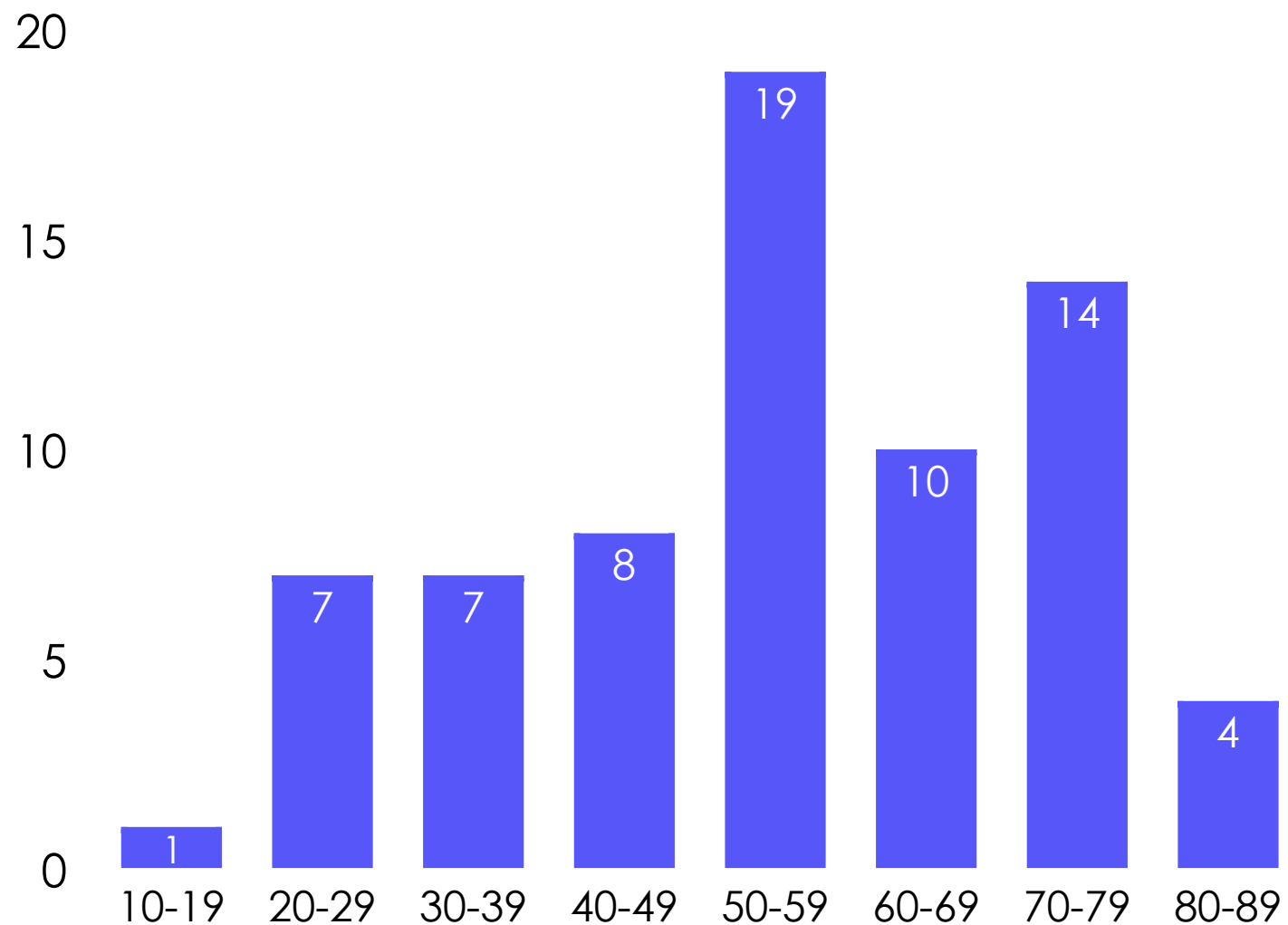
Pulmonary hypertension classification



Number of patients (n=70)

Number of centres (n=47)

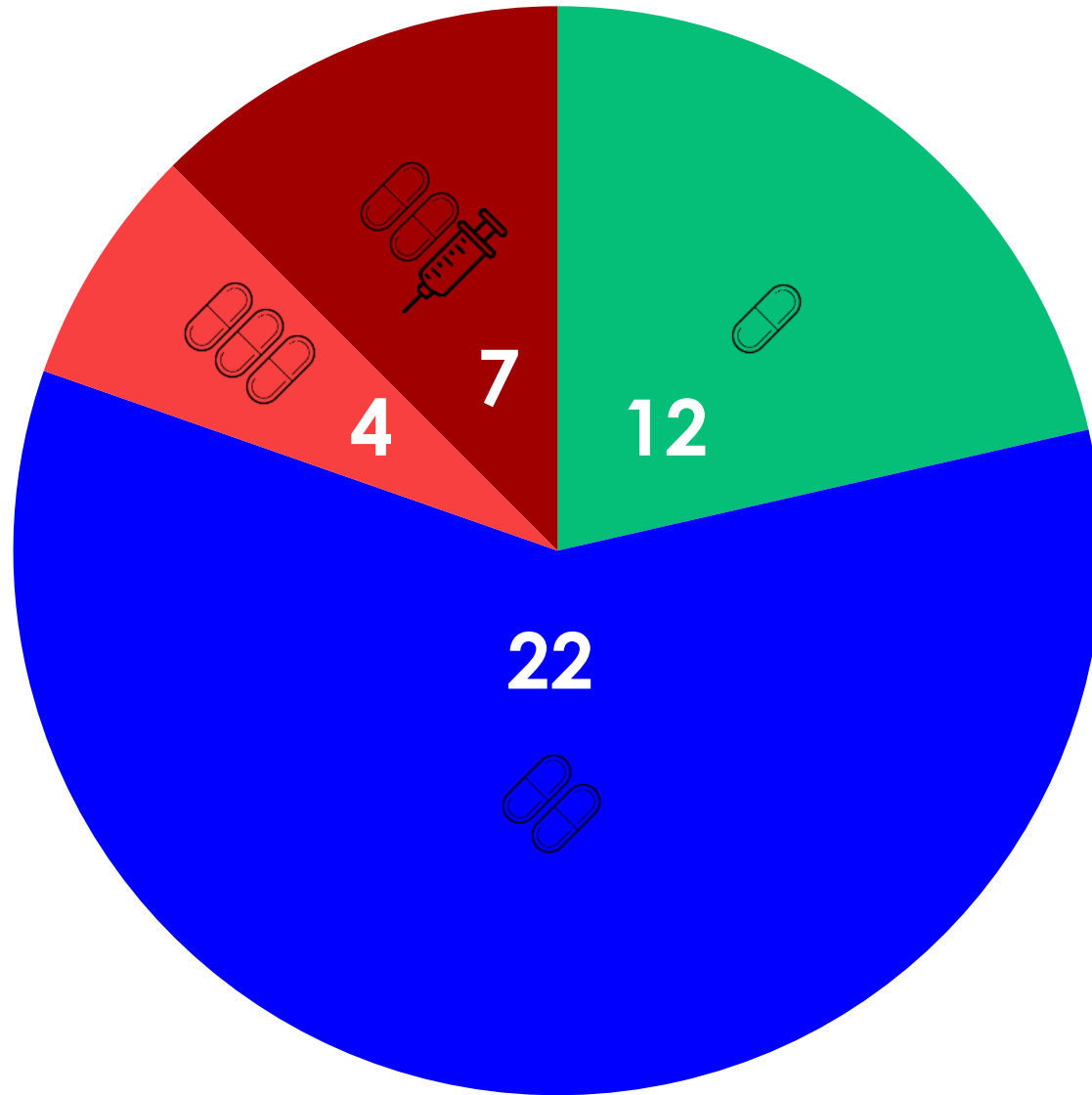
Age distribution (years)



Number of patients (n=70)

Number of centres (n=47)

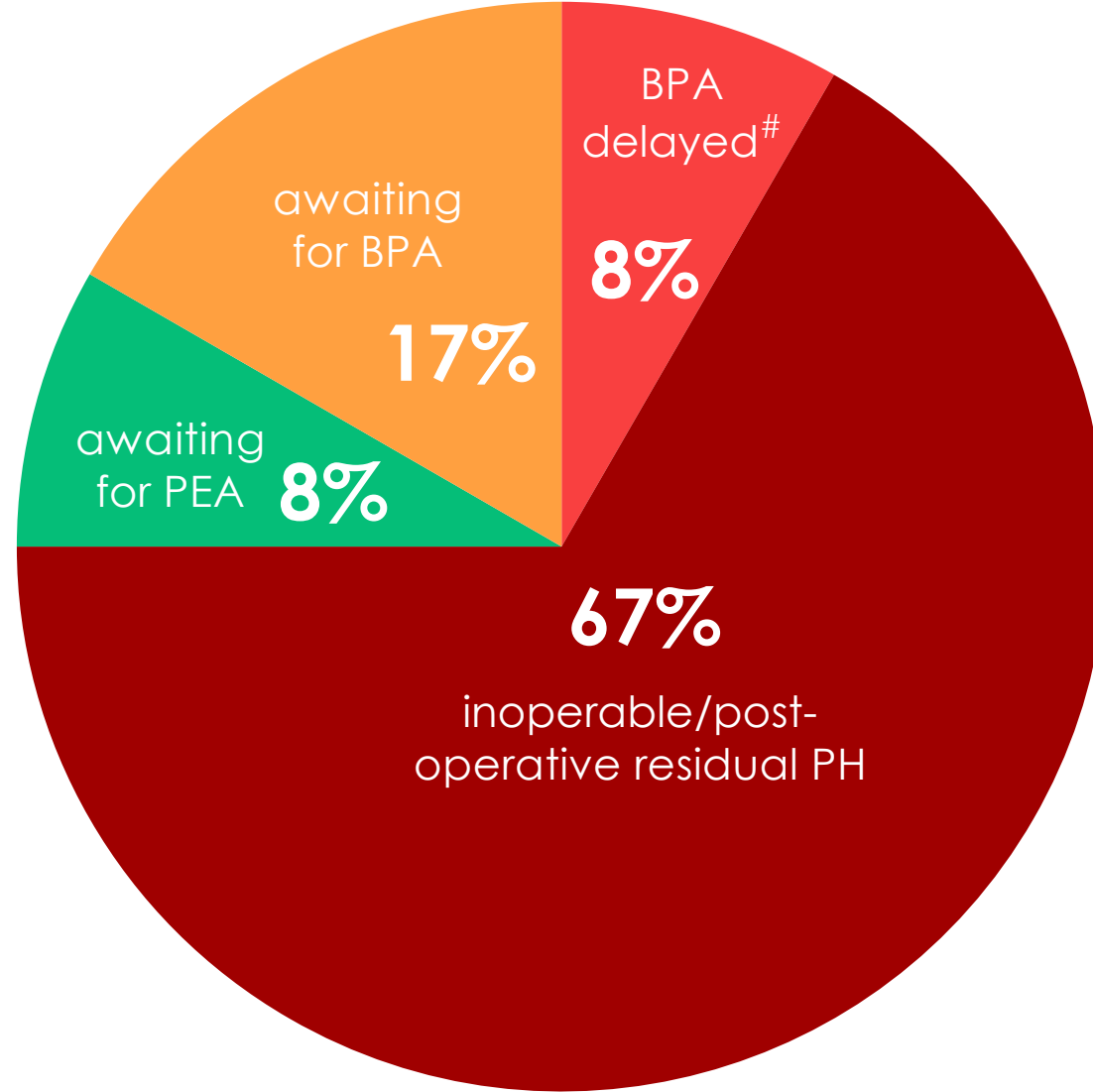
Pulmonary hypertension treatment



-  Monotherapy
-  Bitherapy
-  Tritherapy (oral)
-  Tritherapy (parenteral PGI₂)

Number of patients (n=56)
Number of centres (n=16)

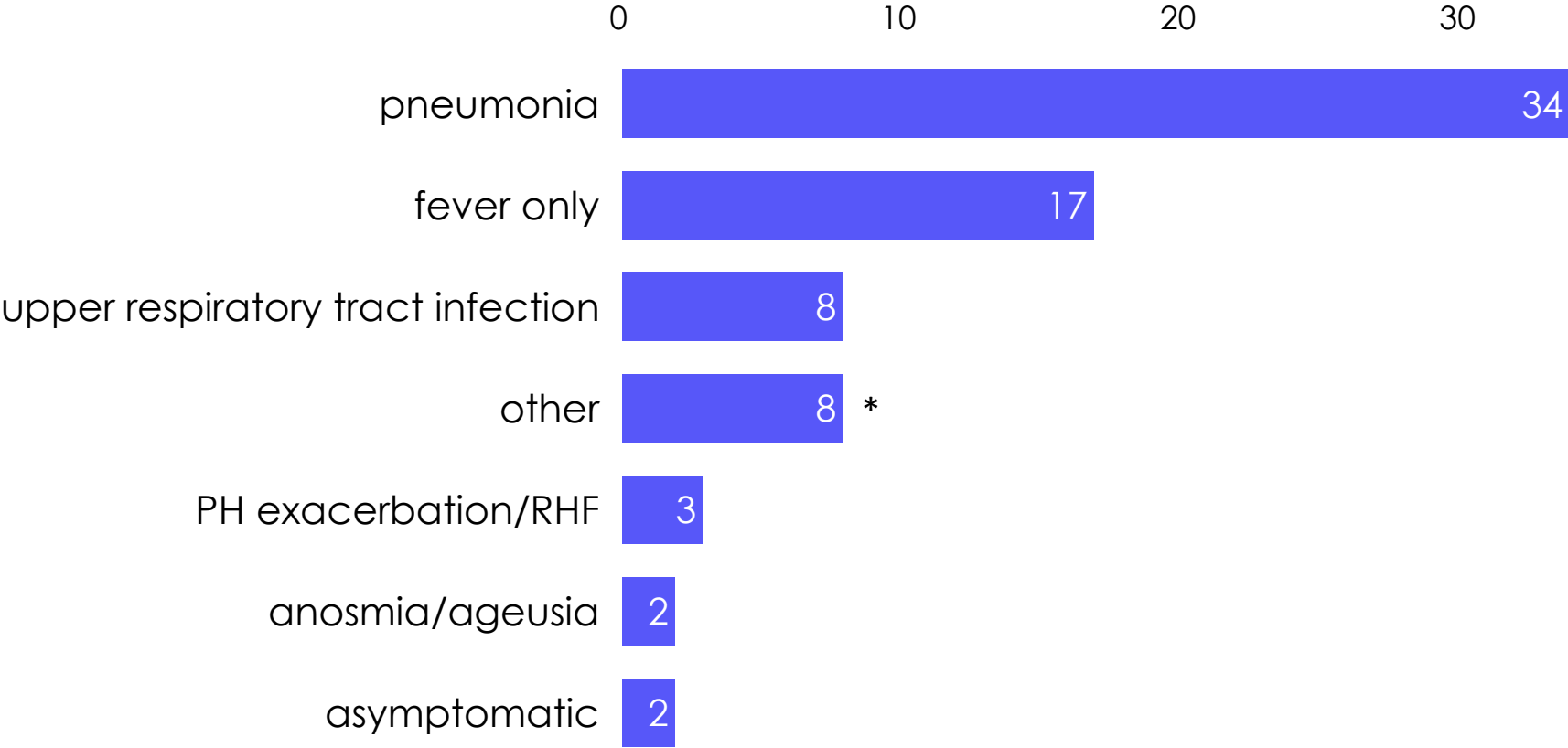
CTEPH patients



[#]Because of pandemic logistic situation
None had PEA delayed because of pandemic logistic situation

Number of patients (n=12)
Number of centres (n=6)

COVID-19 presenting symptoms



No VTE or hemoptysis

symptoms
duration

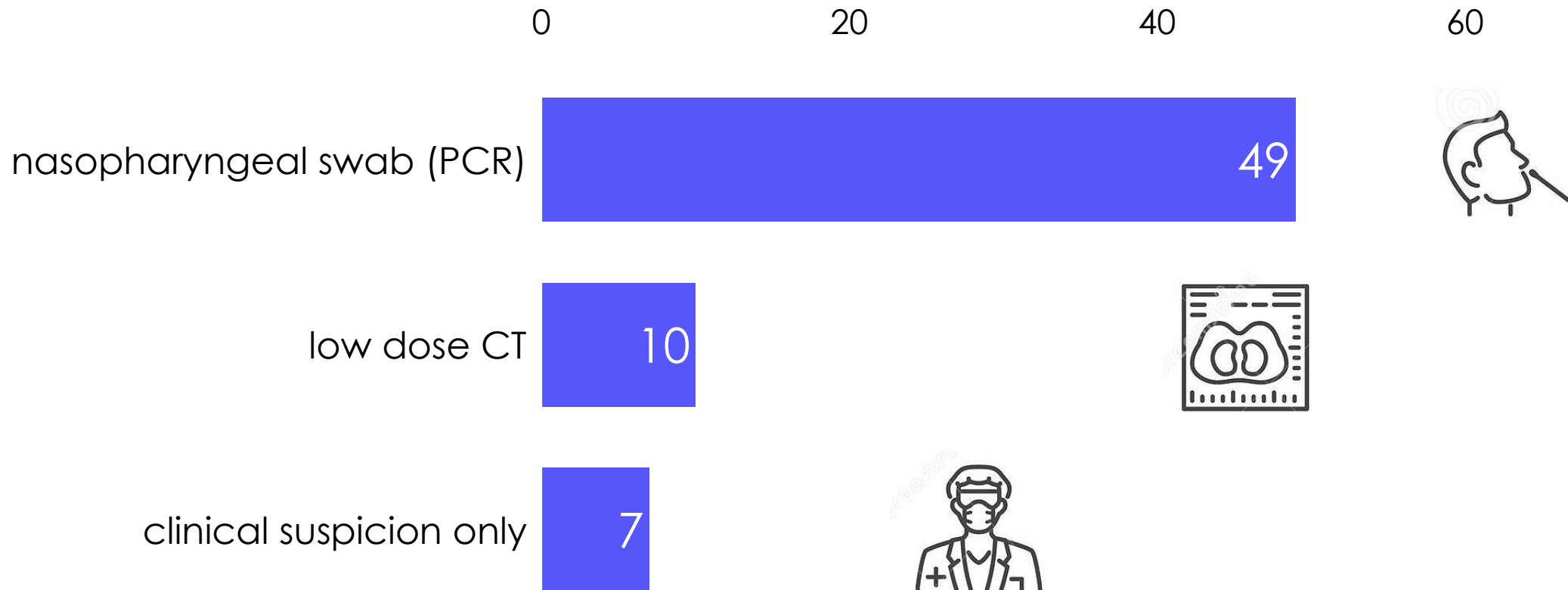


6.0 days
(range: 1-36)

* other: myalgia, dyspnoea or cough

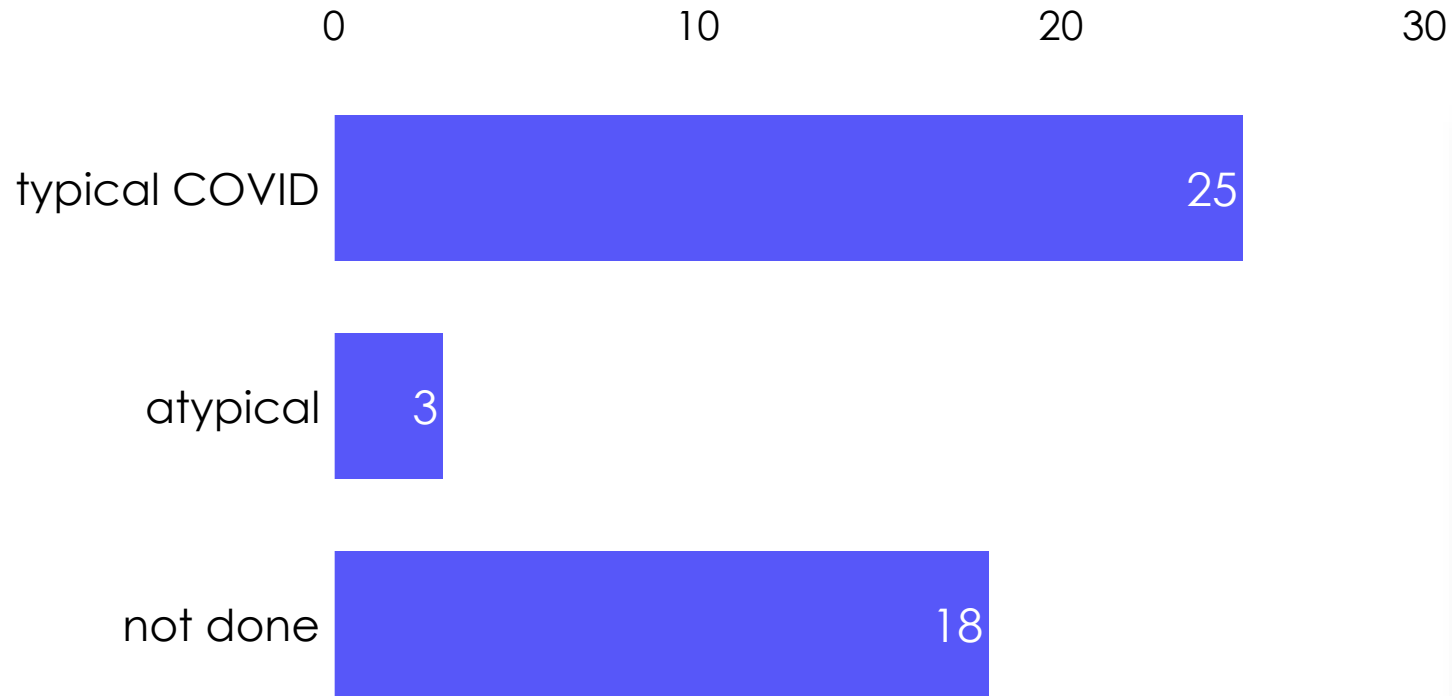
Number of patients (n=61)
Number of centres (n=18)

COVID-19 diagnostic examinations



Number of patients (n=66)
Number of centres (n=18)

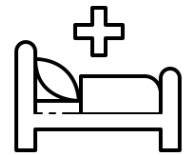
COVID-19 CT characteristics



Number of patients (n=46)

Number of centres (n=18)

COVID-19 hospitalisation



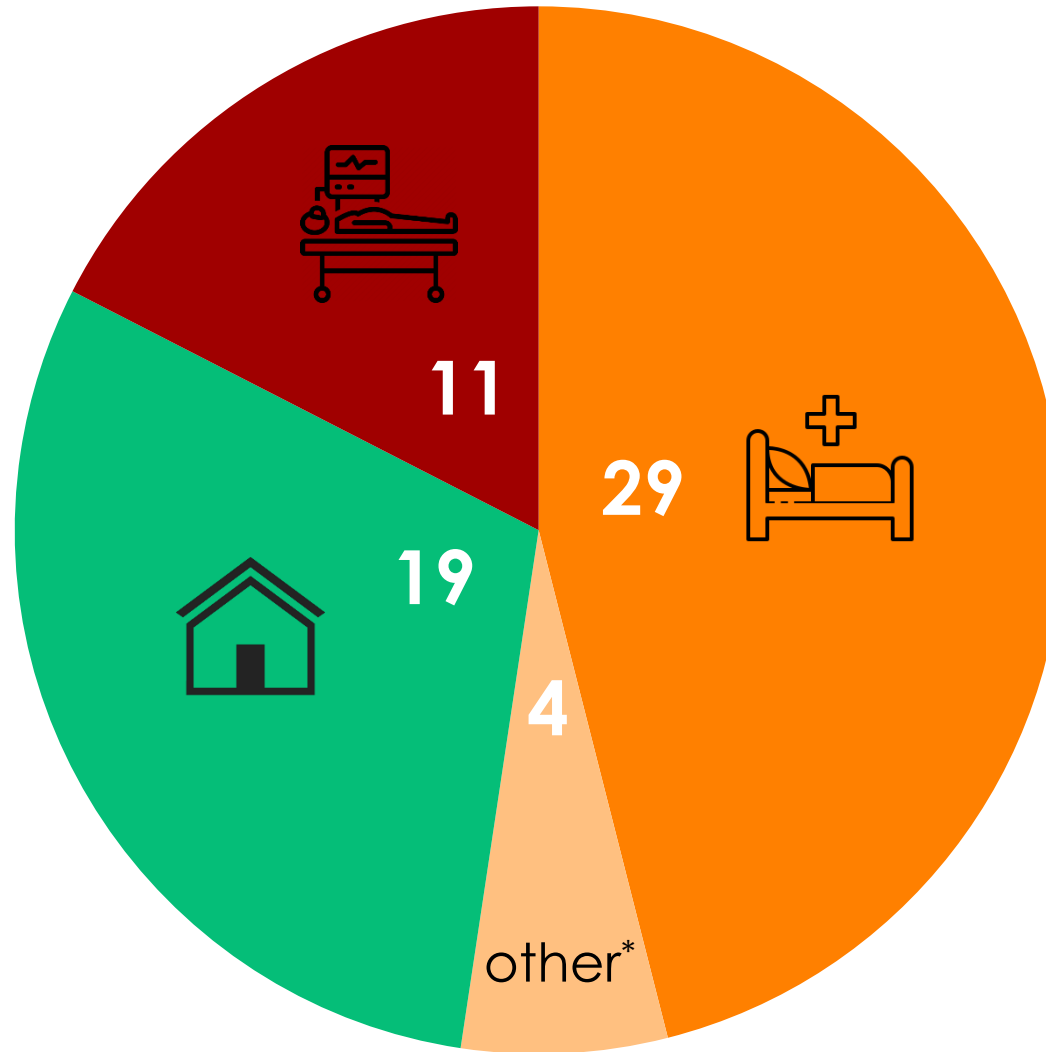
ward



back home



ICU



hospital stay



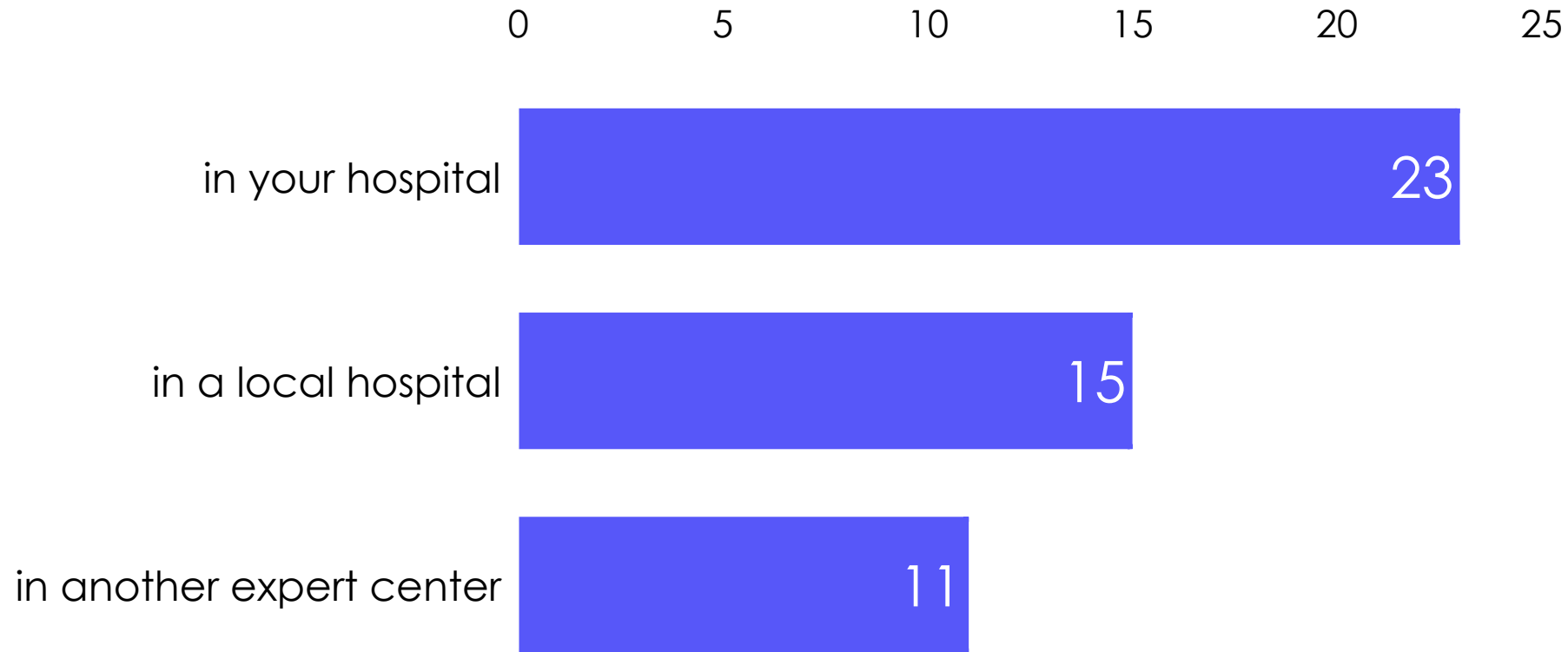
3.4 days
(range: 2-32)

* other: nursing home, intermediate care unit, social-sanitary centre

Number of patients (n=63)

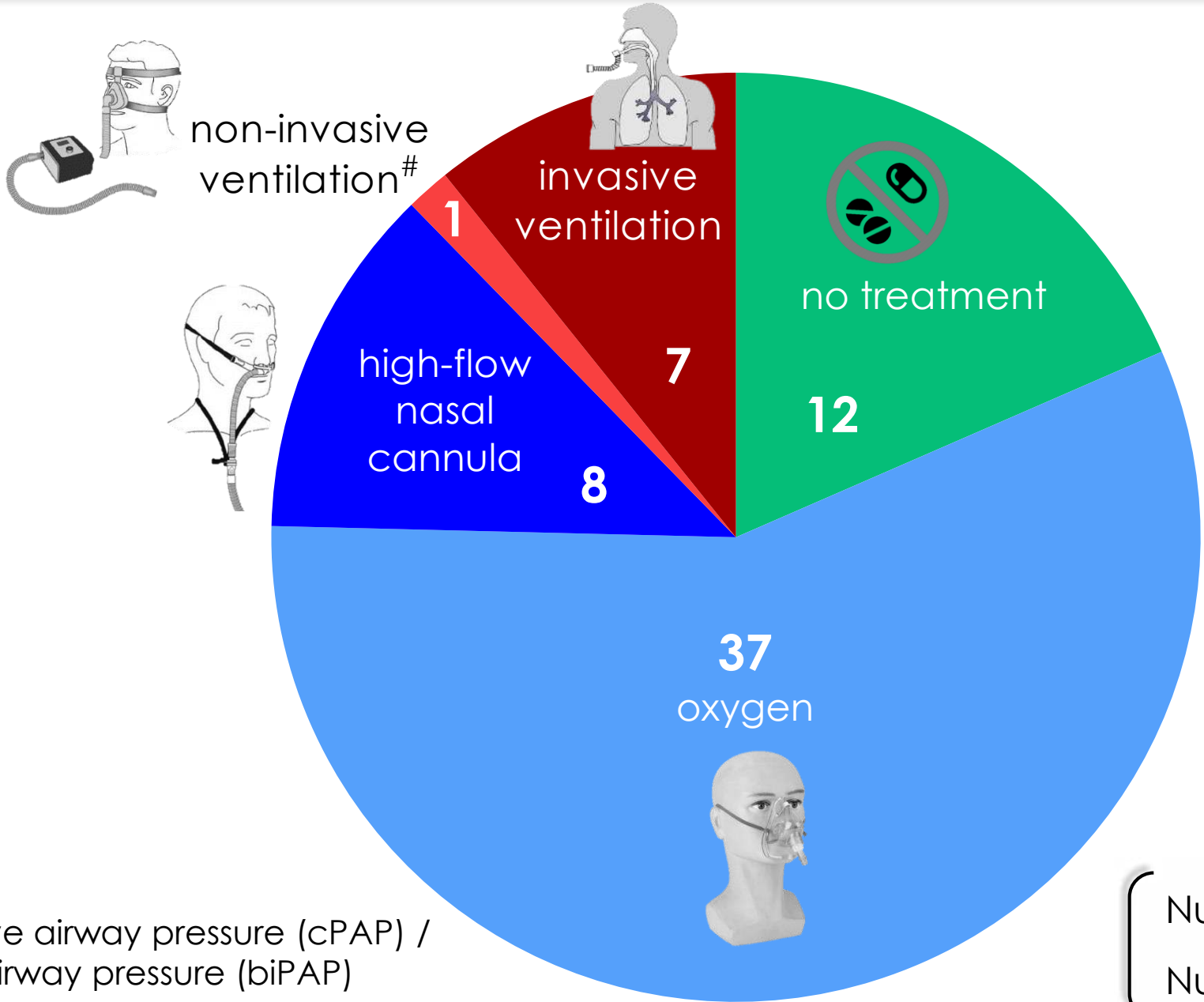
Number of centres (n=14)

COVID-19 hospitalisation



Number of patients (n=49)
Number of centres (n=16)

COVID-19 respiratory support

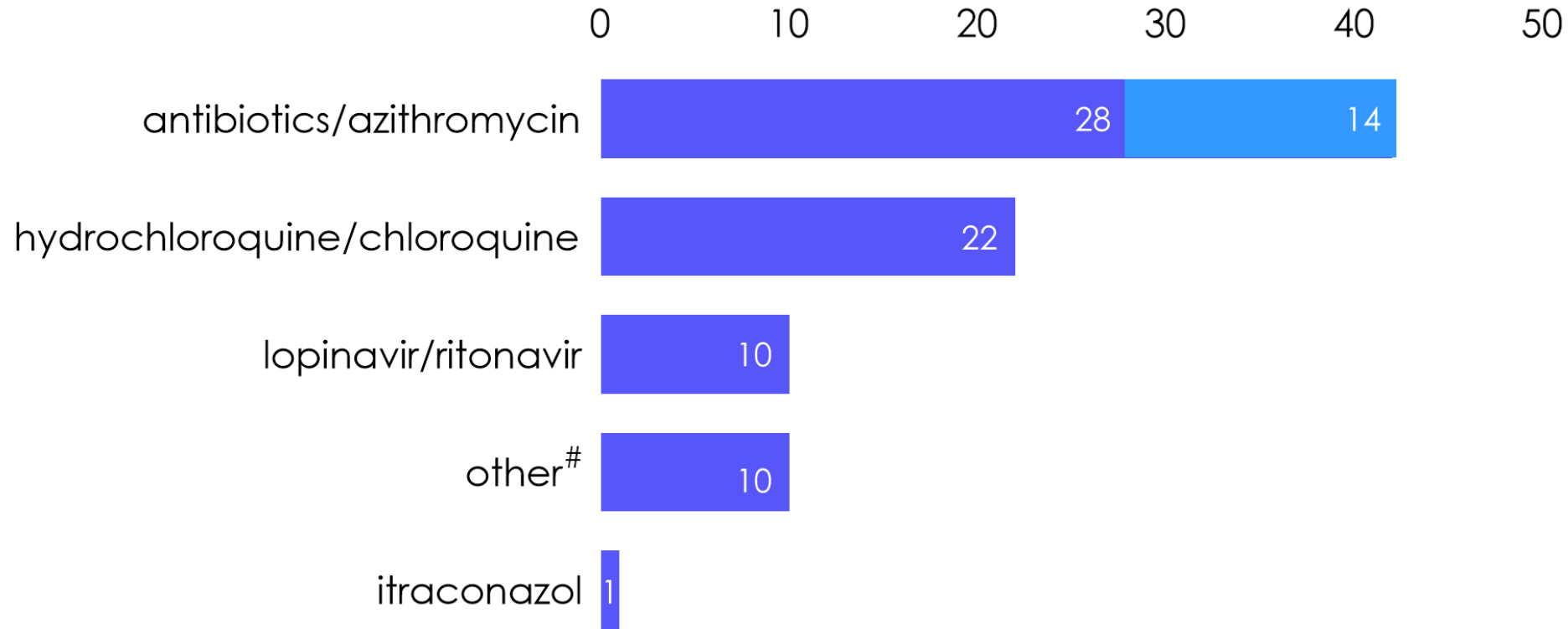


no patient reported on ECMO

#continuous positive airway pressure (cPAP) / bi-level positive airway pressure (biPAP)

Number of patients (n=65)
Number of centres (n=18)

COVID-19 pharmacological treatment



*Patients could have received more than one treatment

[#]other: tocilizumab, methylprednisolone, mycophenolate, favipiravir and rituximab

Number of patients (n=70*)

Number of centres (n=14)

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