

## Post-COVID-19 Condition

#### Definition (WHO)

- Hx of SARS-COV-2 infection
- Ongoing symptoms 3 months from onset
- Cannot be explained by other diagnoses Diagnosis of exclusion

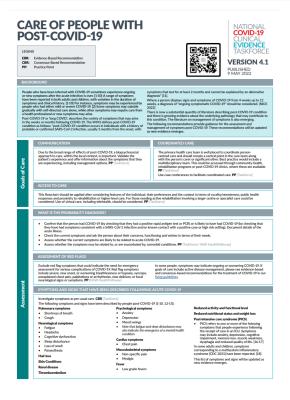
#### Recommendations

- Access to multidisciplinary rehabilitation, including Allied Health
- Goal setting & self management strategies
- Provide interventions/support to return to premorbid functioning

#### Prevalence

- Estimates vary from 5% to over 40%
- Over 200 symptoms, multisystem
- Most common: Fatigue, Brain Fog, Dyspnea, Mood





# ReCOVery model of care principles





Access to multidisciplinary allied health led care



Symptom management & functional improvement



Scalability & automation



Sustainability: Self management & telehealth



Data and research aligned



#### Referral

Internal, staff self referral, GP or SMS response: COVID-19 symptoms persisting ≥ 12-weeks

#### **Initial Triage & Assessment**

**ReCOVery Triage tool** 

Collection of clinically relevant information, including symptoms, vaccination status, demographics, patient expectations of the clinical service

### **Goal Setting Appointment**

Standardised outcome measures: Identify priority areas for therapy Streamline referrals to appropriate discipline for individualised care

### Individual Discipline Ax & Intervention

Exercise Physiology

Neuro-Psychology Clinical Psychology Occupationa I Therapy

Social Work

Nutrition & Dietetics

Speech Pathology Rehab Medicine

### **Data collection**

### Triage

**ReCovery Tool** 

Demographics

Vax status

Symptoms

Pt expectations

### Goal Setting

Mood: PHQ-9 & GAD 7

PTSD: PCL-5 (if endorsed)

MRC dyspnoea scale

Neuro-QOL Fatigue short form

Neuro-QOL Cognitive fxn short

form

Sleep (if endorsed)

HRQOL: EQ5D-5L

Social questions

Goal setting



### Discipline specific assessment

(e.g. 30 second sit to stand; neuropsychology measures)

#### Outcome

Mood: PHQ-9 & GAD 7

PTSD: PCL-5 (if completed at

T1)

MRC dyspnoea scale

Neuro-QOL Fatigue short form

Neuro-QOL Cognitive fxn short form

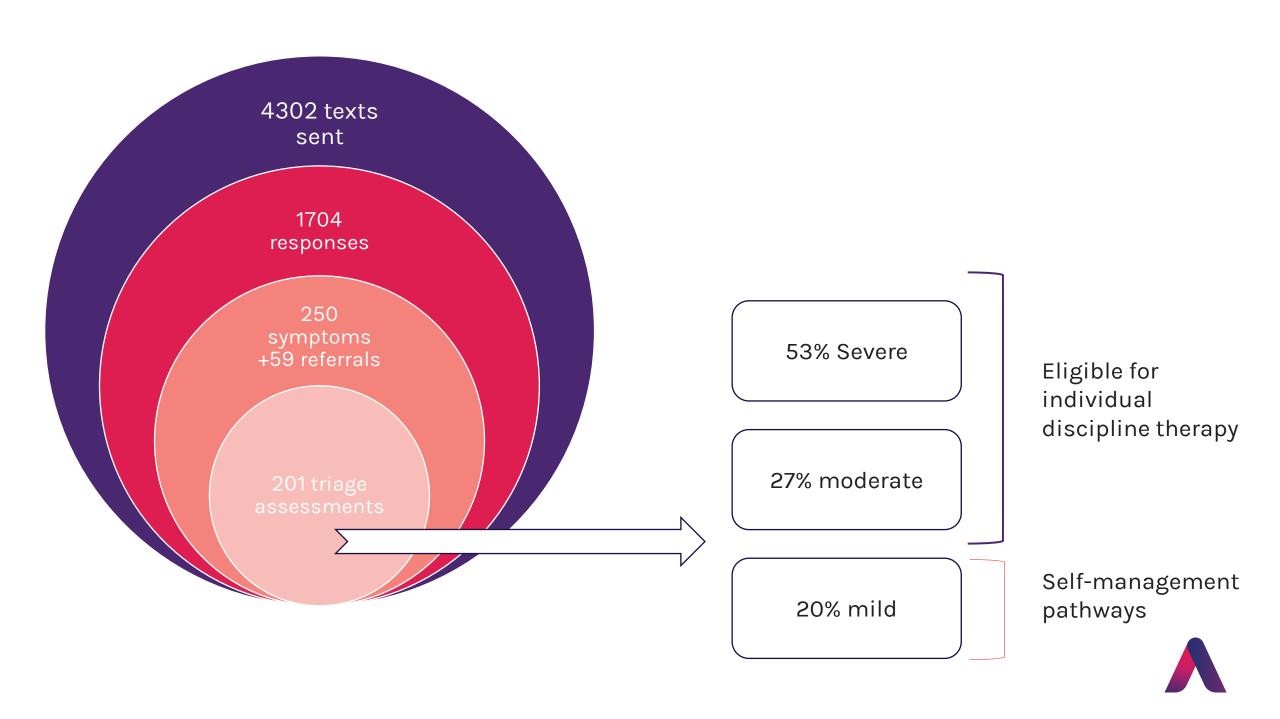
Sleep (if completed at T1)

HRQOL: EQ5D-5L

Malnutrition: MUST

Goal attainment scaling





## **Initial data**

50 (SD 16) Average age

67% female

88% vaccinated when they contracted COVID

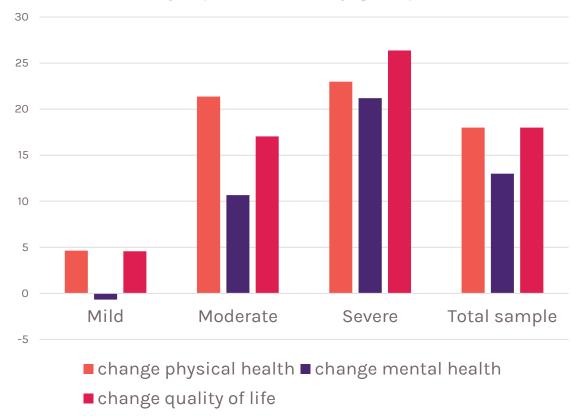
36% are healthcare workers

75% working/studying at time of infection

15% ceased/changed employment due to illness/sick leave

15% have first language other than English

# Perceived change in health and QOL for symptom severity groups



Significant reduction in perceived physical & mental health & QOL post-COVID (p<0.001)



# Symptom profile

Top 10 symptoms	% Moderate-severe
Fatigue	66
Brain fog	52
Sleep	43
Persistent muscle pain	43
Headache	39
Shortness of breach	39
Anxiety/worry	35
Mood/depression	33
Persistent cough	25
Voice changes	22

Symptoms	%moderate -severe
Swallowing problems	12%
Loss of smell	20%
Loss of taste	18%
Chest pain	19%
PTSD markers	16%



## **Opportunities & next steps**

"The ReCOVery Service has been a big help with getting me ready to return to work. I think their therapy has been just the right amount and I'm very grateful to be getting back to work in the hospital." "It is an illness that goes un-noticed and people do not understand the physical and mental fatigue associated...It has been a blessing to have a dedicated team helping me....they are incredibly supportive and I'm slowly getting back to my life."



Equity of access



Evaluation & improvement

Research



Sustainability