

COVID-19: Home assessment and management grid

Updated August 2021

Category	Risk level	Assessment (remote/ f2f)	Vitals	Clinical assessment score	News2	Vulnerability score	Management recommendations
2/3	LOW RISK	<ul style="list-style-type: none"> Completing full sentences No SOB or chest pain Able to do ADLs / can get out of bed Normal urine output 	RR 14-20 HR 50-100 O2 Sats (if available) >96	0	0-2	1 (only male/smoker/high BMI)	Suitable to self-care: <ul style="list-style-type: none"> Able to self-isolate Adequate social support and phone access Able to be monitored safely GP follow-up 48 hours
2	Modest Risk	<ul style="list-style-type: none"> Normal cognitive level for patient Mild SOB (SOB on exertion) No chest pain Mild restriction in ADLs (able to do ADL's but lethargic) Normal urine output 	RR 21-22 HR 100-119 O2 Sats 94-96%	1-2	3-4	2 -3	Suitable for community management <ul style="list-style-type: none"> No features suggesting sepsis No supplementary oxygen requirement Able to self-isolate Adequate social support and phone access Able to be monitored safely Daily follow-up by GP

2	Moderate Risk	<ul style="list-style-type: none"> Altered cognition Mild SOB (SOB on exertion) No chest pain Restricted ADLs (Struggling to do ADLs with marked lethargy) Reduced urine output 	RR 21-22 HR 100-119 O2 Sats 94-96%	1-3	5-6	3	CBAC to contact GP after assessment Suitable for community management <ul style="list-style-type: none"> No features suggesting sepsis No supplementary oxygen requirement Twice daily GP review
1	High Risk	<ul style="list-style-type: none"> Altered cognition New onset confusion Significant SOB (SOB at rest with difficulty completing full sentences) Chest pain/tightness No urine output in past 12 hrs 	RR > 22 HR ≥ 120 O2 Sats 93-94% (COPD < 88% unless known lower level)	>3	7+	>3	Discussion with COVID-19 registrar ADMISSION

Vulnerability score

Based on independent predictors of poor prognosis/ high risk of mortality/morbidity.

Conditions/Factors	No	Yes
Age >65	0 point	1 point
Male Sex	0 point	1 point
Smoker	0 point	1 point
Cognitive function	Normal 0 point	Baseline impaired/ limited 1 point
High Body Mass index	0 point	1 point
Cardiovascular disease (Heart failure/ COPD/ Poorly controlled asthma/Diabetes)	0 point	1 point
Living conditions: *Aged residential care facility or/ *Unable to mobilise without assistance with carers or *Unable to safely provide self-care and no alternate carers available	0 point	1 point

Clinical assessment score

	0 point	1 point	2 points	3 points
HR	50 -110	>110	>120	
RR	14-21	>22	>26	
SPO2 (No Hx COPD)	>=96	<96	<94	<92
SPO2 (Hx COPD)		<90		<86
Temp				>40

NEWS2

Chart 1: The NEWS scoring system

Physiological parameter	3	2	1	Score 0	1	2	3
Respiration rate (per minute)	≤8		9–11	12–20		21–24	≥25
SpO ₂ Scale 1 (%)	≤91	92–93	94–95	≥96			
SpO ₂ Scale 2 (%)	≤83	84–85	86–87	88–92 ≥93 on air	93–94 on oxygen	95–96 on oxygen	≥97 on oxygen
Air or oxygen?		Oxygen		Air			
Systolic blood pressure (mmHg)	≤90	91–100	101–110	111–219			≥220
Pulse (per minute)	≤40		41–50	51–90	91–110	111–130	≥131
Consciousness				Alert			CVPU
Temperature (°C)	≤35.0		35.1–36.0	36.1–38.0	38.1–39.0	≥39.1	