



GREENLIGHT CLINICAL GUIDELINES

Greenlight Warning Score

September 2018

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	3	2	1	0	1	2	3
Respiration Rate RR	≤ 8	9-11		12 – 16	17 – 18	19 – 20	≥ 21
Oxygen Saturations %	≤ 93		94 – 95	≥ 96			
COPD Ranges *Used only w/ O2 Alert Cards	91 85	92 86	93 87	94 -98 88 - 92			
Temperature °C	≤ 35.9	36.0-36.4		36.5– 37.5		37.6 – 38.0	> 38.0
Systolic Blood Pressure ???/-	≤ 90	91 – 100	101– 110	111– 140	141 – 170	171 – 180	> 180
Diastolic Blood Pressure -/???	≤ 44	45 – 54		55 – 89		90 – 100	> 100
Heart Rate HR	≤ 40	41 – 50		51 – 75	76 – 85	86 – 99	≥ 100
Heart Rate Rhythm				Regular		Irregular	

0-3 Nil action/GP referral letter for review

4-9 Urgent Care Centre for a Drs r/v - ?on-call medic

≥ 10 A&E transfer – Ambulance

A score of 2 in two different parameters should be escalated to Medic On-Call.

A score of 3 in any one parameter should be escalated to the Medic On-Call.

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This chart works in the same way as a NEWS score. The parameters have been amended for use on the Medical Van to help the medic decide when and to what level to escalate. Service Users on the van are not necessarily able to easily access healthcare support at a later time and therefore thresholds for escalation are set at a lower level than in other healthcare contexts to ensure Service User safety. This has not been made to override the user's clinical judgement. Clinical decisions should never be made on numbers alone. This is a tool.

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References

British Heart Foundation (2014) Your Heart Rate. Available at: <https://www.bhf.org.uk/information-support/publications/heart-conditions/medical-information-sheets/your-heart-rate> [Accessed 22 September 2018] *60-100 normal.*

Dougherty. L, Lister. S & West-Oram (2015) *The Royal Marsden Manual of Clinical Nursing Procedures, 9th edn.* Wiley, London. *Respiration rates and when to escalate.*

Kearney. F & Moore. A (2018) *Assessment of Hypotension.* Available at: <https://bestpractice.bmj.com/topics/en-gb/1196> [Accessed 22 September 2018] *Acknowledges 90/60 as Hypotension however, notes that there is no single numerical cut-off universally accepted as representing hypotension.*

National Health Service (2018) How do I check my pulse. Available at: <https://www.nhs.uk/common-health-questions/accidents-first-aid-and-treatments/how-do-i-check-my-pulse/> [Accessed 22 September 2018] *60-100 bpm normal + "See GP for r/v if HR is continuously above 120bpm or below 40bpm, although it may simply be that this is normal for you"*

National Health Service (2017) *low blood pressure (hypotension).* Available at: <https://www.nhs.uk/conditions/low-blood-pressure-hypotension/> [Accessed 22 September 2018] *This evidences Hypotension range 90/60*

National Institute for Health and Care Excellence (2011) *Hypertension in adults: diagnosis and management.* Available at: <https://www.nice.org.uk/guidance/cg127/chapter/1-guidance#diagnosing-hypertension-2> [Accessed 22 September 2018] *This evidences Stage 1,2 & Critical Hypertension*

National institute for health and care excellence (2016) *Hypothermia: prevention and management in adults having surgery.* Available at: <https://www.nice.org.uk/guidance/cg65/chapter/recommendations> [Accessed 22/9/18] *This evidences that 'normal temp is 36.5-37.5'c.*

O'Driscoll. BR *et al* (2017) *British Thoracic Society Guideline for oxygen use in healthcare and emergency settings.* Available at: <https://www.brit-thoracic.org.uk/document-library/clinical-information/oxygen/2017-emergency-oxygen-guideline/web-appendix-7-slide-set-for-doctors/> [Accessed 22 September 2018] *This evidences 'Normal' Sats as 94-98% + COPD passport.*

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Resuscitation Council (UK) (2016) *Immediate Life Support*. 4th edn. Resuscitation Council, London. Norm 12-20, Tachy >25

World Health Organisation (2011) Pulse Oximetry Training manual. Available at: http://www.who.int/patientsafety/safesurgery/pulse_oximetry/who_ps_pulse_oxymetry_training_manual_en.pdf?ua=1 [Assessed 22 September 2018] *This evidences 'Normal' Sats as $\geq 95\%$ + algorithm: (p.16) This evidences hypoxia treatment for $<94\%$*