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Deteriorating Patient and COVID-19: alert no.4

Evidence and Evaluation for Improvement Team
(EEvIT)
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This is the fourth of a planned series of quarterly alerts for new publications on the topic of patient deterioration and COVID-19. The citation and full-text links for these publications are listed below in the following themes: [general](#), [identification](#), [management](#), and [treatment](#). This list contains literature published between June and September 2021.

Deterioration (general)

Centre for Perioperative Care. Preoperative Assessment and Optimisation for Adult Surgery: including consideration of COVID-19 and its implications. 2021 [cited 2021 Oct 05]; Available from:

<https://www.cpoc.org.uk/sites/cpoc/files/documents/2021-06/Preoperative%20assessment%20and%20optimisation%20guidance.pdf>

NHS Greater Glasgow and Clyde, Healthcare Improvement Scotland. NHS Greater Glasgow and Clyde: Navigating the COVID-19 waves with NEWS 2. 2021 [cited 2021 Oct 05]; Available from:

<https://ihub.scot/media/8373/20210618-nhsggc-spsp-case-study-10.pdf>

Identification

Cecil E, Bottle A, Majeed A, Aylin P. [Factors associated with potentially missed acute deterioration in primary care: cohort study of UK general practices](#). Br J Gen Pract. 2021;71(708):e547.

Management

Anton N, Hornbeck T, Modlin S, Haque MM, Crites M, Yu D. [Identifying factors that nurses consider in the decision-making process related to patient care during the COVID-19 pandemic](#). PLOS ONE. 2021;16(7):e0254077.

Burhamah W, Qahi I, Oroszlányová M, Shuaibi S, Alhunaidi R, Alduwailah M, *et al.* [Prognostic Factors and Predictors of In-Hospital Mortality Among COVID-19 Patients Admitted to the Intensive Care Unit: An Aid for Triage, Counseling, and Resource Allocation](#). Cureus. 2021;13(7):e16577-e.

Costa VO, Nicolini EM, da Costa BMA, Teixeira FM, Ferreira JP, Moura MA, *et al.* [Evaluation of the Risk of Clinical Deterioration among Inpatients with COVID-19](#). Adv Virol. 2021;2021:6689669.

Tagliabue F, Schena D, Galassi L, Magni M, Guerrazzi G, Acerbis A, *et al.* [Modified National Early Warning Score as Early Predictor of Outcome in COVID-19 Pandemic](#). SN Compr Clin Med. 2021;3(9):1863-9.

Tuncer G, Surme S, Bayramlar OF, Karanalbant HK, Copur B, Yazla M, *et al.* [National Early Warning Score 2 and laboratory predictors correlate with clinical deterioration in hospitalized patients with COVID-19](#). Biomark Med. 2021;15(11):807-20.

Zhang K, Zhang X, Ding W, Xuan N, Tian B, Huang T, *et al.* [The Prognostic Accuracy of National Early Warning Score 2 on Predicting Clinical Deterioration for Patients With COVID-19: A Systematic Review and Meta-Analysis.](#) Front Med. 2021;8(999).

Treatment

Kenny G, Mallon PWG. [Tocilizumab for the treatment of non-critical COVID-19 pneumonia: an overview of the rationale and clinical evidence to date.](#) Expert Rev Clin Pharmacol. 2021;14(10):1279-87.

Our previous quarterly literature reviews can be found here:

[Deteriorating Patient and COVID-19 Quarterly Update 3](#)

[Deteriorating Patient and COVID-19 Quarterly Update 2](#)

[Deteriorating Patient and COVID-19 Quarterly Update 1](#)