

# Long COVID Bulletin

**New evidence and outputs from key organisations  
relating to Long COVID**

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## Recent publications and journal articles

This current awareness bulletin contains a selection of material gathered from a search of the evidence base. It is not intended to be comprehensive and has not been critically appraised. Collated by a qualified information professional, the content is selected upon informed prioritisation of the search results based upon agreed criteria.

The bulletin is not a substitute for clinical or professional judgement and the information contained within does not supersede national and local NHS policies and protocols.

Previous issues of this bulletin can be accessed on the [Current Awareness page of the Knowledge Network](#).

If you need any help with obtaining the full text of any of the articles, please contact [phs.knowledge@phs.scot](mailto:phs.knowledge@phs.scot)

### **Epidemiology of long COVID, including incidence, prevalence, determinants**

Azambuja P, Bastos LSL, Batista-da-Silva AA et al. [Prevalence, risk factors, and impact of long COVID in a socially vulnerable community in Brazil: a prospective cohort study](#). *Lancet Reg Health Am* 2024; 37: 100839. 2024/09.

Camporesi A, Morello R, La Rocca A et al. [Characteristics and predictors of Long Covid in children: a 3-year prospective cohort study](#). *EClinicalMedicine* 2024; 76: 102815. 2024/10.

Chapman M, Durbaba S, Tydeman F et al. [Long COVID demographic and secondary care referral characteristics in primary care: analysis of anonymised primary care data from a multiethnic, deprived urban area in the UK](#). *NPJ Prim Care Respir Med* 2024; 34: 25. 2024/09/30.

Chen H, Qian Y, Lu B et al. **Prevalence and factors influencing long COVID among primary healthcare workers after epidemic control policy adjustment in Jiangsu, China.** *BMC Infect Dis* 2024; 24: 964. 2024/09/12.

Hejazian SS, Sadr AV, Shahjouei S et al. **Prevalence and determinant of long-term Post-COVID conditions among stroke survivors in the United States.** *J Stroke Cerebrovasc Dis* 2024; 33: 108007. 2024/09/18.

Hori M, Hayama-Terada M, Kitamura A et al. **Risk factors for post-coronavirus disease condition in the Alpha-, Delta-, and Omicron-dominant waves among adults in Japan: A population-based matched case-control study.** *J Med Virol* 2024; 96: e29928. 2024/09.

Parums DV. **Long COVID or Post-Acute Sequelae of SARS-CoV-2 Infection (PASC) and the Urgent Need to Identify Diagnostic Biomarkers and Risk Factors.** *Med Sci Monit* 2024; 30: e946512. 2024/09/18.

Pasculli P, Zingaropoli MA, Dominelli F et al. **Insights into Long COVID: Unraveling Risk Factors, Clinical Features, Radiological Findings, Functional Sequelae and Correlations: A Retrospective Cohort Study.** *Am J Med* 2024; 2024/09/17.

Sarani M, Motamed N, Hatami G et al. **Long COVID in children and adolescents: a historical cohort study with a population-based control group from Iran.** *BMC Infect Dis* 2024; 24: 1074. 2024/09/30.

Sarker AH, Kabir MF, Hossain KMA et al. **Two-year epidemiology of post-COVID-19 conditions in Bangladesh: a cohort study of post-COVID-19 from 12,925 SARS-CoV-2 cases between July and December 2021-2023 in Bangladesh.** *Arch Public Health* 2024; 82: 148. 2024/09/04.

Silva MM da, Benites MN, Castro YM et al. **Prevalence of symptoms of post-COVID-19 condition (long COVID) in children hospitalized with COVID-19: A systematic review of observational studies.** *Pediatr Pulmonol* 2024; 2024/09/16. <https://doi.org/10.1002/ppul.27257>

Swift MD, Breeher LE, Dierkhising R et al. **Association of COVID-19 Vaccination With Risk of Medically Attended Postacute Sequelae of COVID-19 During the Ancestral, Alpha, Delta, and Omicron Variant Eras.** *Open Forum Infect Dis* 2024; 11: ofae495. 2024/09.

Yang X, Shi F, Zhang H et al. **Long COVID among people with HIV: A systematic review and meta-analysis.** *HIV Med* 2024; 2024/09/10.

## **Service planning and delivery, pathways of care, service evaluation**

Brus IM, Spronk I, Polinder S et al. **Self-perceived barriers to healthcare access for patients with post COVID-19 condition.** *BMC Health Serv Res* 2024; 24: 1035. 2024/09/06.

Caldas B, Portela M, Stelson E et al. **Promoting equity, diversity, and inclusion in surveys: insights from a patient-engaged study to assess long COVID health-care needs in Brazil.** *J Clin Epidemiol* 2024; 173: 111423. 2024/09.

Darbyshire J, Greenhalgh T, Bakerly ND et al. **Improving quality in adult long covid services: Findings from the LOCOMOTION quality improvement collaborative.** *Clin Med* 2024; 24: 100237. 2024/09.

Fischer A, Aguayo G, Pinker I et al. **Co-design of a voice-based app to monitor long COVID symptoms with its end-users: A mixed-method study.** *Digit Health* 2024; 10: 20552076241272670. 2024/09/09.

Gardner E, Lockrey A, Stoesser KL et al. **Challenges in receiving care for long COVID: A qualitative interview study among primary care patients about expectations and experiences.** *Ann Fam Med* 2024; 22: 369–374. 2024/09/23.

León-Herrera S, Oliván-Blázquez B, Sánchez-Recio R et al. **Effectiveness of an online multimodal rehabilitation program in long COVID patients: a randomized clinical trial.** *Arch Public Health* 2024; 82: 159. 2024/09/18.

Rijkema C, Knottnerus BJ, van den Hoek R et al. **Care needs of patients with the post-COVID syndrome in Dutch general practice: an interview study among patients and general practitioners.** *BMC Prim Care* 2024; 25: 355. 2024/09/28.

Wilson J, Kensett K, O'Reilly R et al. 209 **A pilot rehabilitation programme for individuals experiencing symptoms of long-COVID: Results from a service evaluation.** *Eur J Public Health* 2024; 34. 2024/09/01.

## **Psycho-social impacts of long COVID, including on work, education, and quality of life**

Cázares-Lara JO, Ordinola-Navarro A, Carmona-Aguilera Z et al. **Main Predictors of Decreasing in Quality of Life in Patients With Post-COVID-19: A Cross-Sectional Study.** *Value in Health Regional Issues* 2024; 45: 101039. 2024/09/09.

Chao T-C, Chiang S-L, Lai C-Y et al. **Association Between Physical Activity Amount and Cardiorespiratory Fitness, Sleep Quality, and Health-Related Quality of Life in Patients With Long COVID: A Cross-sectional Study.** *Arch Phys Med Rehabil* 2024; 105: 1673–1681. 2024/09.

Letícia A, Neves RG, Vieira YP et al. **Long COVID symptoms and sleep problems: a population-based study.** *J Sleep Res* 2024; : e14327. 2024/09/05.

Menzies V, Webb F, Lyon DE et al. **Anxiety and depression among individuals with long COVID: Associations with social vulnerabilities.** *J Affect Disord* 2024; 367: 286–296. 2024/09/02.

## **New/updated guidelines, policies and reports including findings of CSO-funded research relevant to long COVID**

Scottish Government. **Investigating the prevalence of long COVID in Scotland.** Published 10 September 2024.

For further information on sources of evidence and other key references relevant to this topic, please contact: [phs.knowledge@phs.scot](mailto:phs.knowledge@phs.scot)