

# 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**

Bejan I, Popescu CP and Ruta SM. [Insights into the Risk Factors and Outcomes of Post-COVID-19 Syndrome-Results from a Retrospective, Cross-Sectional Study in Romania](#). *Life (Basel)* 2024; 14. 2024/11/20.

Chow NKN, Tsang CYW, Chan YH et al. [The effect of pre-COVID and post-COVID vaccination on long COVID: A systematic review and meta-analysis](#). *J Infect* 2024; 89: 106358. 2024/11/21.

Floridia M, Giuliano M, Weimer LE et al. [Symptom profile, case and symptom clustering, clinical and demographic characteristics of a multicentre cohort of 1297 patients evaluated for Long-COVID](#). *BMC Med* 2024; 22: 532. 2024/11/14.

Gao Y, Shen Q, Zang Y et al. [COVID-19 vaccination and long COVID among 50 years older and above European: The role of chronic multimorbidity](#). *Arch Gerontol Geriatr* 2024; 126: 105554. 2024/11.

Gennaro FD, Veronese N, Segala FV et al. **Protective role of vaccination on the development of long COVID: data from a large, multicenter, prospective cohort study.** *BMC Infect Dis* 2024; 24: 1313. 2024/11/18.

Green R, Marjenberg Z, Lip GYH et al. **The impact of vaccination on preventing long COVID in the Omicron era: a systematic review and meta-analysis.** *medRxiv* 2024; 2024/11/20 [Pre-print, not yet peer reviewed].

Hamlin RE, Pienkos SM, Chan L et al. **Sex differences and immune correlates of Long Covid development, symptom persistence, and resolution.** *Sci Transl Med* 2024; 16. 2024/11/13.

Jeffrey K, Hammersley V, Maini R et al. **Deriving and validating a risk prediction model for long COVID: a population-based, retrospective cohort study in Scotland.** *J R Soc Med* 2024; 2024/11/18.

Kim SA, Maeda M, Murata F et al. **Effect of COVID-19 vaccination on the risk of developing post-COVID conditions: The VENUS study.** *Vaccine* 2024; 43, 2024/11/05.

Pfrommer LR, Diexer S, Klee B et al. **Post-COVID recovery is faster after an infection with the SARS-CoV-2 Omicron variant: a population-based cohort study.** *Infection* 2024; 2024/11/18.

Selinger S. **Patients surviving COVID-19 had lower risk for long COVID in the Omicron vs. earlier eras.** *Ann Intern Med* 2024; 177: JC131. 2024/11.

Tang C-C, Chang JC, Ho S-J et al. **Exploring the characteristics and antecedents of clinically significant long COVID: A longitudinal cohort study.** *Life Sci* 2024; 357: 123114. 2024/11/15.

Wurm J, Ritz N and Zimmermann P. **COVID-19 in children: Evolving epidemiology, immunology, symptoms, diagnostics, treatment, post covid conditions, prevention strategies, and future directions.** *J Allergy Clin Immunol* 2024; 2024/11/15 [Pre-print, not yet peer reviewed].

Zakaria D, Demers A, Cheta N et al. **Factors associated with the development, severity, and resolution of post 19 condition in adults living in Canada**, January 2020 to August 2022. *Can J Public Health* 2024; 2024/11/01.

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

Aiyegbusi OL, McMullan C, Hughes SE et al. **Implementation of patient and public involvement and engagement (PPIE) for the therapies for long COVID in non-hospitalised individuals (TLC) project**. *Res Involv Engagem* 2024; 10: 120. 2024/11/09.

Enichen EJ, Heydari K, Wang S et al. **The utility of personal wearable data in long COVID and personalized patient care**. *npj Digital Med* 2024; 7: 326. 2024/11/18.

Janaudis-Ferreira T, Beauchamp MK, Rizk A et al. **Virtual rehabilitation for individuals with Long COVID: a randomized controlled trial**. *medRxiv* 2024; 2024/11/26 [Pre-print, not yet peer reviewed].

Meach R, Carless D, Sanal-Hayes NEM et al. **An Adaptive Pacing Intervention for Adults Living With Long COVID: A Narrative Study of Patient Experiences of Using the PaceMe app**. *J Patient Exp* 2024; 11: 23743735241272160. 2024.

Montes-Ibarra M, Godziuk K, Thompson RB et al. **Protocol for a pilot study: Feasibility of a web-based platform to improve nutrition, mindfulness, and physical function in people living with Post COVID-19 condition (BLEND)**. *Methods* 2024; 231: 186–194. 2024/11.

Moratalla-Cebrian ML, Marcilla-Toribio I, Berlanga-Macias C et al. **Perceptions of Long COVID Patients Regarding Health Assistance: Insights from a Qualitative Study in Spain**. *Nurs Rep* 2024; 14: 3361–3377. 2024/11/04.

Mu Y, Dashtban A, Mizani MA et al. **Healthcare utilisation of 282,080 individuals with long COVID over two years: a multiple matched control, longitudinal cohort analysis**. *J R Soc Med* 2024, 2024/11/27.

Somerton A and Jeffrey H. **“It’s that camaraderie”**: Experiences of a Long-COVID peer support group for staff working in health, social care and emergency services. *J Health Psychol* 2024; 2024/11/22.

Wojczewski S, Mayrhofer M, Szabo N et al. **“A bit of a cough, tired, not very resilient - is that already Long-COVID?”** perceptions and experiences of GPs with Long-COVID in year three of the pandemic. a qualitative interview study in Austria. *BMC Public Health* 2024; 24: 3078. 2024/11/07.

Wrench JM and Seidel Marks LR. **An allied health model of care for long COVID rehabilitation**. *Med J Aust* 2024; 221 Suppl 9: S5–S9. 2024/11/04.

Zeraatkar D, Ling M, Kirsh S et al. **Interventions for the management of long covid (post-covid condition): living systematic review**. *BMJ* 2024; 387: e081318. 2024/11/27.

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

Dörr T, Strahm C, Güsewell S et al. **Burden of post-acute COVID-19 sequelae in healthcare workers and its course over a 30-month period-results from a prospective multicentre cohort**. *Infection* 2024; 2024/11/12.

Luedtke L, Haller-Wolf J, Kriston L et al. **Post-COVID in healthcare workers and its consequences on quality of life, activities, participation, need for rehabilitation and care experiences: protocol of a cohort study**. *BMJ Open* 2024; 14: e083422. 2024/11/17.

Wang J, Goodfellow H, Walker S et al. **Trajectories of functional limitations, health-related quality of life and societal costs in individuals with long COVID: a population-based longitudinal cohort study**. *BMJ Open* 2024; 14: e088538. 2024/11/13.

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