

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.

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Epidemiology of long COVID, including incidence, prevalence, determinants

Adebisi YA, Alhur AA, Alshahrani NZ, Cañezo VC, Cue EG, Lucero-Prisno DE. <u>Prepandemic diabetes and risk of long COVID: longitudinal evidence</u>. Journal of diabetes and metabolic disorders. 2025;24(2)207.

Carazo S, Phimmasone J, Skowronski DM, Giguère K, Ouakki M, Talbot D, et al. <u>Effectiveness of COVID-19 vaccination and prior infections to reduce long COVID</u> <u>risk during the pre-Omicron and Omicron periods.</u> Clinical Infectious Diseases. 2025.

Fain MJ, Horne BD, Horwitz LI, Thaweethai T, Greene M, Hornig M, et al. <u>Age-Related Changes in the Clinical Picture of Long COVID</u>. Journal of the American Geriatrics Society. 2025.

Flattum-Riemers T, Susi A, Nylund C. <u>Incidence Trends and Co-Diagnosis of Post-COVID-19 Condition in the Active Duty Population</u>. Military Medicine. 2025;190(Supplement_2)599–604.

Hou Y, Gu T, Ni Z, Shi X, Ranney ML, Mukherjee B. <u>Global Prevalence of Long COVID</u>, Its Subtypes, and Risk Factors: An Updated Systematic Review and Meta-analysis. Open forum infectious diseases. 2025;12(9)ofaf533.

Hu C, Son J, McAlpine L, Walker ELS, Dahl M, Song E, et al. <u>Long COVID in People With Multiple Sclerosis and Related Disorders: A Multicenter Cross-Sectional Study</u>. Annals of clinical and translational neurology. 2025.

Liu C, Liu C, Yan R, Becker D, Shi JX, Slezak J, et al. <u>Association of COVID</u> vaccinations and treatments with long COVID beyond 6 months: a case-control study on the adult population in a large integrated healthcare system in the United States from 2020 to 2023. Preventive Medicine Reports. 2025;57103188.

Matangkha K, Punyahotara V, Rintra J, Sittiprapaporn P. <u>Association between vitamin D levels and long COVID signs and symptoms</u>. Medical sciences: open access journal. 2025;13(3).

Nguyen NN, Tissot-Dupont H, Brouqui P, Gautret P. <u>Post-COVID syndrome in symptomatic COVID-19 patients: a retrospective cohort study</u>. BMC Infectious Diseases. 2025;25(1)1099.

Polo-Alonso S, Hernáez Á, Dégano IR, Martí-Lluch R, Pinsach-Abuin ML, Elosua R, et al. <u>Global and Sex-Stratified Genome-Wide Association Study of Long COVID</u>

<u>Based on Patient-Driven Symptom Recall</u>. International Journal of Molecular Sciences. 2025;26(18).

Rozelle M, Haslam A, Prasad V. <u>Methods of Pediatric Post-COVID Condition Studies in High-Impact Journals: A Systematic Review</u>. JAMA network open. 2025;8(9)e2529659.

Woldegiorgis M, Bloomfield L, Korda R, Cadby G, Ngeh S, Knight P, et al. <u>Factors</u> <u>associated with persistence or recovery from long COVID six months post SARS-CoV-2 infection</u>. Epidemiology and Infection. 2025;1–18.

Service planning and delivery, pathways of care, service evaluation

Gruiskens J, Gidding-Slok AH, van Meulenbroek T, Huijnen I, Muris JWM, Verbunt J, et al. How can post-COVID care be improved using patient experiences with received care and perceived health? A qualitative study of focus groups with 30 patients having post-COVID in the Netherlands. BMJ Open. 2025;15(9)e090771.

Guo X, Li X. <u>Advances in home-based respiratory muscle training for improving physical function in older adults with long COVID.</u> Frontiers in physiology. 2025;161662537.

Nji MAM, Briones EM, Issa A, Tierney M, Bertolli J, Barshikar S, et al. <u>Medical</u> complexity and healthcare utilization among patients attending three U.S. post-COVID clinics. BMC Infectious Diseases. 2025;25(1)1145.

Durant EJ, Warton EM, Skarbinski J, Siqueiros MH, Cholleti SM, Vinson DR, et al. <u>Predictors of health care utilization in patients with post-acute sequelae of COVID-19</u>
(<u>PASC</u>). Plos One. 2025;20(9)e0331370.

Gomez-Bravo R, León-Herrera S, Guisado-Clavero M, Gefaell I, Wostmann X, Wössner N, et al. <u>Towards consensus: The need for standardised definitions in Long (post) COVID care in 34 European countries</u>. The European Journal of General Practice. 2025;31(1)2535618.

Santo K, Favaro L, Martins E. <u>Following the Pandemic: Exploring Long COVID's impact on Global Health through the World Heart Federation Global COVID-19</u>
<u>Study</u>. Global heart. 2025;20(1)79.

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

Altermatt A, Wilkinson AL, Heath K, Jin D, Nguyen T, Thomas AJ, et al. <u>Well-being</u> among people with long and short COVID: a serial cross-sectional study in Victoria, <u>Australia</u>. BMJ Public Health. 2025;3(2)e002062.

Goicoechea-Calvo A, Coll-Fernández R, Navarro Expósito N, Colomer Giralt M, González-Aumatell A, Méndez-Hernández M, et al. <u>Effects of Paediatric Post-COVID-19 Condition on Physical Function and Daily Functioning: A Cross-Sectional Study</u>. Children (Basel, Switzerland). 2025;12(9).

Leighton J, Nelson MLA, Sheppard CL, Wasilewski M, Reis L, Vijayakumar A, et al. "You're alive, but are you living?" Exploring long COVID (LC)'s impact on social and leisure well-being for individuals and caregivers. Psychology & health. 2025;1–21.

Liira H, Varonen M, Venäläinen MS, Arokoski J, Kvarnström K, Vuokko A, et al. Associations of socioeconomic status and health-related quality of life in patients with long COVID and patients with persistent physical symptoms: A comparison of two cohort studies at baseline. Journal of Psychosomatic Research. 2025;197112374.

Lin JC, McCarthy M, Potluri S, Nguyen D, Yan R, Aysola J. <u>Long COVID and Food Insecurity in US Adults</u>, <u>2022-2023</u>. JAMA network open. 2025;8(9)e2530730.

Pires L, Marreiros A, Saraiva C, Reis C, Neves D, Guerreiro C, et al. <u>Association of acute COVID-19 severity and long COVID fatigue and quality of life: Prospective cohort multicenter observational study</u>. Medicine. 2025;104(36)e42891.

Stein L, Mackenrodt S, Kück M, Haufe S, Kerling A, Tegtbur U, et al. Reduced exercise capacity in pediatric post-COVID syndrome correlates with time post infection and does not affect quality of life. Frontiers in pediatrics. 2025;131567974.

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

Poverty Alliance & Robert Gordon University. <u>Long Covid, Long Consequences:</u>
<u>Financial, Employment and Social Security Impacts in Scotland</u>. Published
September 2025.

Scottish Government. Funding Long COVID Services. Published September 2025.

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