

## Co/secondary infections with COVID-19 Literature Search Results 12/05/2021

### About the Co/secondary infections with COVID-19 Literature Search Results

This resource aims to highlight a small selection of recent Co/secondary infection with COVID-19 papers. The Co/secondary infections Team generate a report once a month on a Wednesday. The report includes both preprints, which should be treated with caution as they are NOT peer-reviewed and may be subject to change, and also research that has been subject to peer review and wider scrutiny. The results are very rapidly produced and do not claim to be a perfect product; the inclusion or omission of a publication should not be viewed as an endorsement or rejection by PHE. We do not accept responsibility for the availability, reliability or content of the items included in this resource.

### About the Co/secondary infections with COVID-19 project

The Co/secondary infections with COVID-19 project provides surveillance data for bacterial, viral and fungal pathogens. The Project Board consists of over 40 pathogen experts across multiple PHE departments. A monthly literature search is conducted by Knowledge and Library Services and categorised by pathogen by the project team. If you would like to learn more about the co-infections work please contact Vicki Chalker or Ella Casale COVIDCo-infections@phe.gov.uk

Organism	Article Title	Journal
Acinetobacter	<a href="#">Fungal and bacterial coinfections increase mortality of severely ill COVID-19 patients.</a>	The Journal of hospital infection. 2021.
Acinetobacter	<a href="#">Microbial co-infections in COVID-19: Associated microbiota and underlying mechanisms of pathogenesis.</a>	Microbial pathogenesis. 2021
Acinetobacter	<a href="#">Co-infections in critically ill patients with or without covid-19: A comparison of clinical microbial culture findings.</a>	International Journal of Environmental Research
Acinetobacter	<a href="#">Bacterial Superinfections among Persons with Coronavirus Disease 2019: A Comprehensive Review of Data from Postmortem Studies.</a>	Open Forum Infectious Diseases. 2021
Aspergillus	<a href="#">Invasive pulmonary aspergillosis in a COVID-19 recovered patient: unravelling an infective sequelae of the SARS-CoV-2 virus.</a>	Monaldi archives for chest disease
Aspergillus	<a href="#">Mucormycosis after Coronavirus disease 2019 infection in a heart transplant recipient - Case report and review of literature.</a>	Journal of Medical Mycology. 2021
Burkholderia cepacia	<a href="#">Characterization of respiratory microbial dysbiosis in hospitalized COVID-19 patients.</a>	Cell Discovery. 2021
Candida	<a href="#">Extensive microbiological respiratory tract specimen characterization in critically ill COVID-19 patients.</a>	APMIS : acta pathologica, microbiologica, et

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Candida	<a href="#">Fungal and bacterial coinfections increase mortality of severely ill COVID-19 patients.</a>	The Journal of hospital infection. 2021.
Candida	<a href="#">Possible Impact of Severe Acute Respiratory Syndrome Coronavirus-2 Control Measures in Reducing Colonization by Gram-negative Bacteria and Candida spp. in a Neonatal Intensive Care Unit.</a>	The Pediatric infectious disease journal. 2021
Candida	<a href="#">Co-infections in critically ill patients with or without covid-19: A comparison of clinical microbial culture findings.</a>	International Journal of Environmental Research
Candida	<a href="#">Risk factors for mortality in adult covid-19 patients who develop bloodstream infections mostly caused by antimicrobial-resistant organisms: Analysis at a large teaching hospital in italy.</a>	Journal of Clinical Medicine. 2021
Enterobacter	<a href="#">Successful Treatment of Klebsiella pneumoniae NDM Sepsis and Intestinal Decolonization with Ceftazidime/Avibactam Plus Aztreonam Combination in a Patient with TTP Complicated by SARSCoV-</a>	Medicina (Kaunas, Lithuania). 2021
Enterobacter	<a href="#">Hospital-acquired infections in critically-ill COVID-19 patients.</a>	Chest. 2021.
Enterobacter	<a href="#">Risk factors for mortality in adult covid-19 patients who develop bloodstream infections mostly caused by antimicrobial-resistant organisms: Analysis at a large teaching hospital in italy.</a>	Journal of Clinical Medicine. 2021
Escherichia coli	<a href="#">Co-infection in critically ill patients with COVID-19: an observational cohort study from England.</a>	Journal of medical microbiology. 2021
Haemophilus influenzae	<a href="#">Bacterial coinfections in coronavirus disease 2019.</a>	Trends in microbiology. 2021.
Haemophilus influenzae	<a href="#">Microbial co-infections in COVID-19: Associated microbiota and underlying mechanisms of pathogenesis.</a>	Microbial pathogenesis. 2021
Klebsiella	<a href="#">Bacterial coinfections in coronavirus disease 2019.</a>	Trends in microbiology. 2021.
Klebsiella	<a href="#">Successful Treatment of Klebsiella pneumoniae NDM Sepsis and Intestinal Decolonization with Ceftazidime/Avibactam Plus Aztreonam Combination in a Patient with TTP Complicated by SARSCoV-</a>	Medicina (Kaunas, Lithuania). 2021
Klebsiella	<a href="#">Co-infection in critically ill patients with COVID-19: an observational cohort study from England.</a>	Journal of medical microbiology. 2021
Klebsiella	<a href="#">Microbial co-infections in COVID-19: Associated microbiota and underlying mechanisms of pathogenesis.</a>	Microbial pathogenesis. 2021
Klebsiella	<a href="#">Bacterial Superinfections among Persons with Coronavirus Disease 2019: A Comprehensive Review of Data from Postmortem Studies.</a>	Open Forum Infectious Diseases. 2021
Legionella pneumophila/species	<a href="#">COVID-19 co-infection with legionella pneumophila in 2 tertiary-care hospitals, Germany.</a>	Emerging Infectious Diseases. 2021

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Legionella pneumophila/species	<a href="#">Microbial co-infections in COVID-19: Associated microbiota and underlying mechanisms of pathogenesis.</a>	Microbial pathogenesis. 2021
Mycobacterium tuberculosis	<a href="#">Fatal SARS-CoV-2 and Mycobacterium tuberculosis coinfection in an infant: insights from Botswana.</a>	BMJ case reports. 2021
Mycoplasma pneumoniae	<a href="#">Microbial co-infections in COVID-19: Associated microbiota and underlying mechanisms of pathogenesis.</a>	Microbial pathogenesis. 2021
Pseudomonas	<a href="#">Bacterial coinfections in coronavirus disease 2019.</a>	Trends in microbiology. 2021.
Pseudomonas	<a href="#">Fungal and bacterial coinfections increase mortality of severely ill COVID-19 patients.</a>	The Journal of hospital infection. 2021.
Pseudomonas	<a href="#">Persistent Bacterial Coinfection of a COVID-19 Patient Caused by a Genetically Adapted Pseudomonas aeruginosa Chronic Colonizer.</a>	Frontiers in cellular and infection microbiology.
Pseudomonas	<a href="#">Hospital-acquired Skin and Skin-structure Infection in COVID-19 Infected Patient with Prolonged Hospitalization.</a>	Acta medica Indonesiana. 2021
Pseudomonas	<a href="#">Co-infections in critically ill patients with or without covid-19: A comparison of clinical microbial culture findings.</a>	International Journal of Environmental Research
Pseudomonas	<a href="#">Risk factors for mortality in adult covid-19 patients who develop bloodstream infections mostly caused by antimicrobial-resistant organisms: Analysis at a large teaching hospital in italy.</a>	Journal of Clinical Medicine. 2021
Pseudomonas	<a href="#">Bacterial Superinfections among Persons with Coronavirus Disease 2019: A Comprehensive Review of Data from Postmortem Studies.</a>	Open Forum Infectious Diseases. 2021
Salmonella	<a href="#">COVID-19 and Salmonella Typhi co-epidemics in Pakistan: A real problem.</a>	Journal of Medical Virology. 2021
Staphylococcus aureus	<a href="#">Extensive microbiological respiratory tract specimen characterization in critically ill COVID-19 patients</a>	APMIS : acta pathologica, microbiologica, et
Staphylococcus aureus	<a href="#">Co-infection in critically ill patients with COVID-19: an observational cohort study from England.</a>	Journal of medical microbiology. 2021
Staphylococcus aureus	<a href="#">Microbial co-infections in COVID-19: Associated microbiota and underlying mechanisms of pathogenesis.</a>	Microbial pathogenesis. 2021
Staphylococcus aureus	<a href="#">Hospital-acquired infections in critically-ill COVID-19 patients.</a>	Chest. 2021
Staphylococcus aureus	<a href="#">Risk factors for mortality in adult covid-19 patients who develop bloodstream infections mostly caused by antimicrobial-resistant organisms: Analysis at a large teaching hospital in italy.</a>	Journal of Clinical Medicine. 2021

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Staphylococcus aureus	<a href="#">Bacterial Superinfections among Persons with Coronavirus Disease 2019: A Comprehensive Review of Data from Postmortem Studies.</a>	Open Forum Infectious Diseases. 2021
Adenovirus	<a href="#">Extensive microbiological respiratory tract specimen characterization in critically ill COVID-19 patients.</a>	APMIS : acta pathologica, microbiologica, et
Influenza A	<a href="#">Development and validation of a multiplex reverse transcriptase-PCR assay for simultaneous testing of influenza A, influenza B and SARS-CoV-2.</a>	Journal of Virological Methods. 2021
Influenza A	<a href="#">Coinfection With SARS-CoV-2 and Influenza A(H1N1) in a Patient Seen at an Influenza-like Illness Surveillance Site in Egypt: Case Report</a>	JMIR public health and surveillance. 2021
HIV	<a href="#">COVID-19 in HIV-infected patients: A case series and literature review.</a>	Journal of Medical Virology. 2021
HIV	<a href="#">Relationship of SARS-CoV-2-specific CD4 response to COVID-19 severity and impact of HIV-1 and Tuberculosis co-infection.</a>	The Journal of clinical investigation. 2021.
HIV	<a href="#">Conducting an ongoing HIV clinical trial during the COVID-19 pandemic in Uganda: a qualitative study of research team and participants' experiences and lessons learnt.</a>	BMJ open. 2021;
HIV	<a href="#">Fatal SARS-CoV-2 and Mycobacterium tuberculosis coinfection in an infant: insights from Botswana.</a>	BMJ case reports. 2021
HIV	<a href="#">Pneumocystis jirovecii Pneumonia and Severe Acute Respiratory Syndrome Coronavirus 2 Coinfection in a Patient With Newly Diagnosed HIV-1 Infection</a>	Clinical infectious diseases : an official publication of
HIV	<a href="#">Prevalence and Mortality due to COVID-19 in HIV Co-Infected Population: A Systematic Review and Meta-Analysis.</a>	Infectious Diseases and Therapy. 2021.
HIV	<a href="#">Human immunodeficiency virus and mortality from coronavirus disease 2019: A systematic review and meta-analysis.</a>	Southern African journal of HIV medicine. 2021;
HIV	<a href="#">COVID-19 and HIV infection co-pandemics and their impact: a review of the literature.</a>	AIDS research and therapy. 2021
Parainfluenza	<a href="#">Microbial co-infections in COVID-19: Associated microbiota and underlying mechanisms of pathogenesis.</a>	Microbial pathogenesis. 2021;
seasonal coronavirus	<a href="#">The potential significance of high avidity immunoglobulin G (IgG) for protective immunity towards SARS-CoV-2.</a>	International Journal of Infectious Diseases. 2021
MERS	<a href="#">Review of infective dose, routes of transmission, and outcome of COVID-19 caused by the SARS-COV-2: comparison with other respiratory viruses.</a>	Epidemiology and Infection. 2021.