



COVID 19 BULLETIN



News | Research | Developments

Study reveals why some people get Covid toe condition

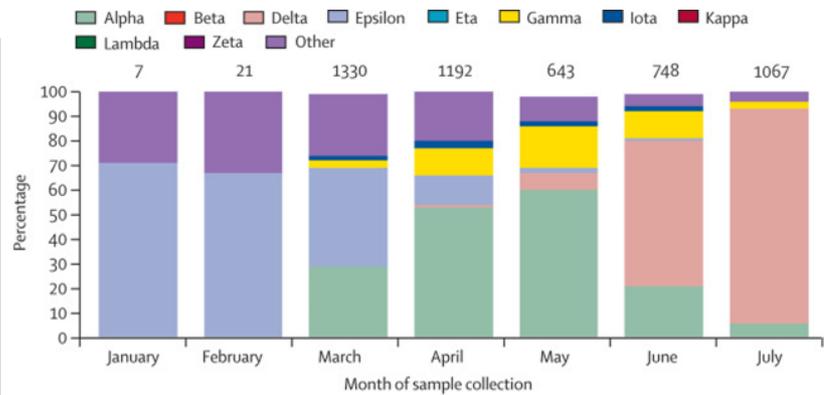
Covid toe appears to be a side effect of the body switching into attack mode to fight off the virus. The researchers say they have pinpointed the parts of the immune system that are involved. [More here](#)

Ahmednagar's Covid surge adding to Pune's health infra burden

Pune's neighbouring district and also the largest in the state Ahmednagar is now reporting an alarming number of new Covid-19 cases, possibly due to increased interaction during festivities. [More here](#)

Premier League clubs struggling with hesitancy over coronavirus vaccine among players

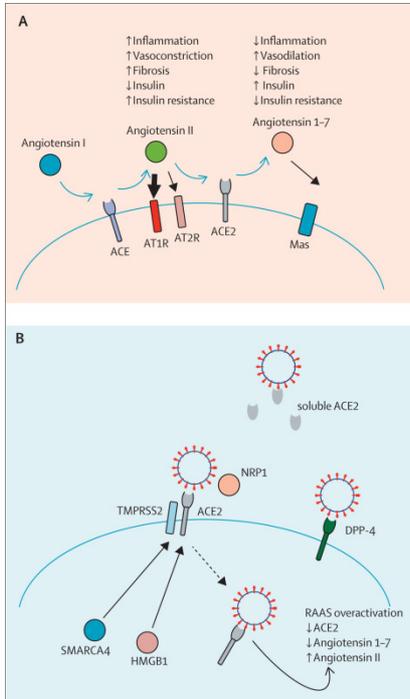
Reports suggest only seven of England's 20 top-flight clubs have more than 50 percent of their squad fully vaccinated. [More here](#).



Effectiveness of mRNA BNT162b2 COVID-19 vaccine up to 6 months in a large integrated health system in the USA: a retrospective cohort study

Vaccine effectiveness studies have not differentiated the effect of the delta (B.1.617.2) variant and potential waning immunity in observed reductions in effectiveness against SARS-CoV-2 infections. We aimed to evaluate overall and variant-specific effectiveness of BNT162b2 (tozinameran, Pfizer-BioNTech) against SARS-CoV-2 infections and COVID-19-related hospital admissions by time since vaccination among members of a large US health-care system. In this retrospective cohort study, we analysed electronic health records of individuals (≥ 12 years) who were members of the health-care organisation Kaiser Permanente Southern California (CA, USA), to assess BNT162b2 vaccine effectiveness against SARS-CoV-2 infections and COVID-19-related hospital admissions for up to 6 months. Participants were required to have 1 year or more previous membership of the organisation [More here](#)

COVID-19 and metabolic disease: mechanisms and clinical management

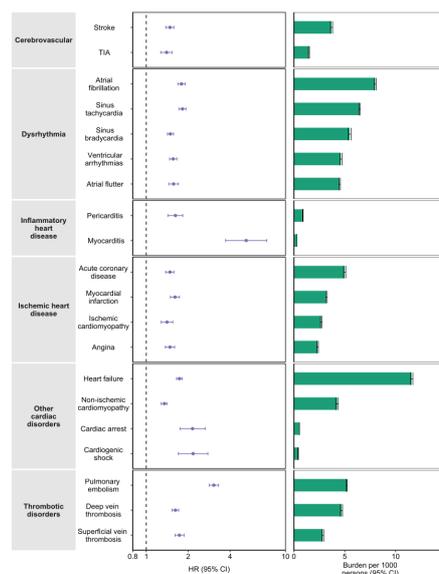


Up to 50% of the people who have died from COVID-19 had metabolic and vascular disorders. Notably, there are many direct links between COVID-19 and the metabolic and endocrine systems. Thus, not only are patients with metabolic dysfunction (eg, obesity, hypertension, non-alcoholic fatty liver disease, and diabetes) at an increased risk of developing severe COVID-19 but also infection with SARS-CoV-2 might lead to new-onset diabetes or aggravation of pre-existing metabolic disorders. In this Review, we provide an update on the mechanisms of how metabolic and endocrine disorders might predispose patients to develop severe COVID-19. [More Here](#)

Acute Myocarditis Following COVID-19 mRNA Vaccination in Adults Aged 18 Years or Older

Vaccination is an essential component of the public health strategy to end the COVID-19 pandemic.¹⁻³ Recently, there have been reports of acute myocarditis following COVID-19 mRNA vaccine administration.⁴⁻⁶ We evaluated acute myocarditis incidence and clinical outcomes among adults following mRNA vaccination in an integrated health care system in the US. We included Kaiser Permanente Southern California (KPSC) members aged 18 years or older who received at least 1 dose of the BNT162b2 (Pfizer) or mRNA-1273 (Moderna) mRNA vaccine between December 14, 2020, and July 20, 2021. Potential cases of postvaccine myocarditis were identified based on reports from clinicians to the KPSC Regional Immunization Practice Committee and by identifying hospitalization within 10 days of vaccine administration with a discharge diagnosis of myocarditis.. [Article here](#)

One-year Risks and Burdens of Incident Cardiovascular Disease in COVID-19: Cardiovascular Manifestations of Long COVID



The cardiovascular complications of acute COVID-19 are well described; however, a comprehensive characterisation of the post-acute cardiovascular manifestations of COVID-19 at one year has not been undertaken. Here we use the US Department of Veterans Affairs national healthcare databases to build a

cohort of 151,195 people with COVID-19, 3,670,087 contemporary and 3,656,337 historical controls.. [More here](#)