COVID-19 Critical Intelligence Unit

Daily evidence digest

26 February 2021

The daily evidence digest collates recently released reports and evidence – provision of these links does not imply endorsement nor recommendation.

The downsides of face masks, seropositivity and future infection risk, immune escape of variants

Peer reviewed journals featured:

- A systematic review on the downsides of face masks and possible mitigation strategies <u>here</u>
- A review of SARS-CoV-2 vaccines strategies here
- Cohort studies on:
 - The association between a positive SARS-CoV-2 antibody test and future infection risk here and associated commentary here
 - Clinical phenotypes among patients with COVID-19, and their prognostic implications here and associated commentary here
- Observational studies on:
 - The characteristics and outcomes of Multisystem Inflammatory Syndrome in Children (MIS-C) compared with severe acute COVID-19 here
 - Identification of candidate repurposable drugs to combat COVID-19 here
 - SARS-CoV-2 viral loads in nasopharyngeal swabs and saliva here
 - o The optimal window for donating convalescent plasma useful for immunotherapy here
 - The influence of COVID-19 vaccine's effectiveness and safety profile on vaccine acceptance here
 - o Mobile isolation wards in a fever clinic in Wuhan, China here
 - o Excess mortality during the COVID-19 outbreak in China here
- A modelling study on phased lift of controls to develop herd immunity against COVID-19 here
- A case report on blue 'COVID toes' following vaccination with BNT162b2 (Pfizer) vaccine here
- Editorials on:
 - The effective measures in keeping schools as safe as possible <u>here</u>
 - Coping with COVID-19 in various countries around the world here
- Commentary on:
 - o The promises and challenges in scaling up COVID-19 rapid antigen tests here
 - The importance of non-pharmaceutical interventions in lowering viral inocula here
 - The changing face of medical professionalism and the impact of COVID-19 here
 - Wearing eye protection to prevent SARS-CoV-2 transmission <u>here</u>
 - Patients with autoimmune diseases and COVID-19 vaccination here and here
 - o SARS-CoV-2 vaccine testing and trials in the paediatric population here
 - COVID-19 complications in pregnant women and exclusion from clinical trials <u>here</u>





Pre-peer review articles featured:

- The sensitivity of SARS CoV-2 variants of concern to convalescent or post-vaccination sera here
- The spread of SARS-CoV-2 variants in France here
- Prior infection, and antibody response to single versus double dose BNT162b2 (Pfizer) vaccination here

News and blogs

- Google-funded COVID-19 database tracking variants and immunity <u>here</u>
- Rich countries should tithe their vaccines here
- Understanding public health in the COVID-19 era here
- The case of Oxford professor exposes a transparency crisis in government here

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Emerging evidence on vaccines and variants of concern is incorporated daily into Living Evidence Tables <u>available here</u>

