



Legend: these predictions of daily deaths and cumulative fatalities are based upon the dynamic causal model described [here](#). This model does not account for seasonal variations in latent states – but does incorporate adaptive social distancing/lockdown effects based upon a nonlinear function of prevalence (based on social responses to date). It shows the long-term forecasts to April 2022 with and without a ‘circuit break’ of 14 days implemented in four days (12 Oct 2020). In brief, under this model, the circuit break will attenuate the current secondary wave and preclude tertiary waves – by rendering the virus endemic. This chronic endemic process is mediated by a slow spread of the virus into new communities, accompanied by a slow and progressive relaxation of social distancing behaviours. The black dots correspond to smoothed fatality rates in the UK, the blue lines are posterior predictive expectations in the absence of a circuit break and the green lines are the equivalent predictions following a circuit break. The shaded areas are 90% credible intervals. They are very tight because they are conditioned upon the particular model in question.