

# BEHAVIOURAL SCIENCE AND INSIGHTS UNIT (BSIU) LITERATURE REPORT

## 3<sup>rd</sup> September 2021: Week 66

The report aims to highlight a selection of COVID-19 related work in the field of behavioural and social science (mostly) released from the 27<sup>th</sup> August 2021 – 3<sup>rd</sup> September 2021. Please note the report is not a perfect product and the inclusion or omission of a publication should not be viewed as an endorsement or rejection by PHE. Additionally, the authors of this report do not accept responsibility for the availability, reliability or content of the items included in this report and do not necessarily endorse the views expressed within them.

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### Past editions

You can find our thematically categorised database of all previous literature reports [here](#)

You can find past editions, under the 'Keeping up to date' tab [here](#)

## Highlights

As we know how time pressured everyone is, the authors of the digest have selected three recommended items from the lists below.

This week these are:

1. [Staying 'Covid-safe': Proposals for embedding behaviours that protect against Covid-19 transmission in the UK](#), Susan Michie et al., Health Psychology, 31<sup>st</sup> August 2021.
2. [The fatiguing effects of camera use in virtual meetings: A within-person field experiment](#), Kristen M. Shockley et al., Journal of Applied Psychology, August 2021.
3. [Association between state-wide financial incentive programs and COVID-19 vaccination rates](#), Harsha Thirumurthy et al., SSRN, 27<sup>th</sup> August 2021.

## LitRep Collections: *Behavioural Science and Covid-19*

[From the 'fragile rationalist' to 'collective resilience': what human psychology has taught us about the COVID-19 pandemic and what the COVID-19 pandemic has taught us about human psychology](#), Stephen Reicher et al., Journal of the Royal College of Physicians of Edinburgh, 2021.

[Effect of targeted behavioural science messages on COVID-19 vaccination registration among employees of a large health system: a randomized trial](#), Henri C. Santos et al., JAMA Network Open, 28<sup>th</sup> July 2021.

[Behavioural nudges increase COVID-19 vaccinations](#), Hengchen Dai et al., Nature, 2<sup>nd</sup> August 2021.

[What behavioural science can teach governments about vaccine hesitancy](#), Melissa Coade, The Mandarin, 3<sup>rd</sup> August 2021.

[Human behaviour: what scientists have learned about it from the pandemic](#), Stephen Reicher, The Conversation, 1<sup>st</sup> July 2021.

COVID-19 vaccination confidence, access and roll-out: global lessons from the field using behavioural science, International Covid-19 Behavioural Insights and Policy Group et al., 2021.

Behavioural Insights and the COVID-19 pandemic, Marijn de Bruin, PsyArXiv Preprints, 22<sup>nd</sup> June 2021.

Lessons from the UK's lockdown: discourse on behavioural science in times of COVID-19, Jet G. Sanders et al., Frontiers in Psychology, June 2021.

Coping in crisis: The role of psychologists in response to a pandemic, Claire Houtsma et al., Psychological Services, 24<sup>th</sup> May 2021.

Enabling countries to apply behavioural science in using global survey data to inform their Covid-19 policies, Elizabeth Corker et al., Qeios, 23<sup>rd</sup> June 2021.

Use caution when applying behavioural science to policy, Hans Ijzerman et al., Nature, 9<sup>th</sup> October 2020.

## Research Papers

### Pre-prints (not peer-reviewed)

Public health impact of mass sporting and cultural events in a rising COVID-19 prevalence in England, Jenifer A. E. Smith et al., khub.net, no date.

Psychological antecedents towards COVID-19 vaccination using the Arabic 5C validated tool: An online study in 13 Arab countries, Marwa Shawky Abdou et al., medRxiv, 2<sup>nd</sup> September 2021.

Predicting transitions between longitudinal classes of posttraumatic stress disorder, adjustment disorder, and well-being during the COVID-19 pandemic: Protocol of a latent transition model in a general Dutch sample, Lonneke I. M. Lenferink et al., medRxiv, 2<sup>nd</sup> September 2021.

Modelling the potential role of super spreaders on COVID-19 transmission dynamics, Josiah Mushanyu et al., medRxiv, 2<sup>nd</sup> September 2021.

A three-wave network analysis of COVID-19's impact on schizotypal traits, paranoia and mental health through loneliness, Keri Ka-Yee Wong et al., PsyArXiv Preprints, 2<sup>nd</sup> September 2021.

The impact of community masking on COVID-19: a cluster-randomized trial in Bangladesh, Jason Abaluck et al., Innovations for Poverty Action, 1<sup>st</sup> September 2021.

COVID-19 personal protective behaviours during mass events: Lessons from observational measures in Wales, UK, Ashley Gould et al., PsyArXiv Preprints, 1<sup>st</sup> September 2021.

Attitude and behaviour of people towards visiting the hospital during the pandemic, Manaswi Shamsundar et al., medRxiv, 1<sup>st</sup> September 2021.

Exploring vaccine hesitancy in care home employees in North West England: a qualitative study, Amelia Dennis et al., medRxiv, 30<sup>th</sup> August 2021.

Can tracking mobility be used as a public health tool against COVID-19 following the expiration of stay-at-home mandates?, Peter Her et al., medRxiv, 30<sup>th</sup> August 2021.

Child and caregiver mental health during COVID-19, Anna M. H. Price et al., medRxiv, 29<sup>th</sup> August 2021.

Integrating health behaviour theories to predict COVID-19 vaccine acceptance: differences between medical students and nursing students, Hila Rosental et al., medRxiv, 29<sup>th</sup> August 2021.

Behavioural barriers to COVID-19 testing in Australia: Two national surveys to identify barriers and estimate prevalence by health literacy level, Carissa Bonner et al., medRxiv, 28<sup>th</sup> August 2021.

Willingness and influential factors of parents to vaccinate their children against the COVID-19: a systematic review and meta-analysis, Petros Galanis et al., medRxiv, 28<sup>th</sup> August 2021.

Racial discrimination and covid-19 vaccine uptake: is mistrust of the health service behind vaccine refusal?, Elise Paul et al., medRxiv, 28<sup>th</sup> August 2021.

What medical students think about measurement of their wellbeing and the implications for pastoral support: cross sectional survey and qualitative interviews, G Simons et al., medRxiv, 28<sup>th</sup> August 2021.

Long COVID - the physical and mental health of children and non-hospitalised young people 3 months after SARS-CoV-2 infection; a national matched cohort study (The CLoCk) Study, Terence Stephenson et al., Research Square, 10<sup>th</sup> August 2021.

Did Ohio's vaccine lottery increase vaccination rates? A pre-registered, synthetic control study, David Lang et al., OSF, July 2021.

A lack of perceived benefits and a gap in knowledge distinguish the vaccine hesitant from vaccine accepting during the COVID-19 pandemic, Deirdre Robertson et al., ESRI, June 2021.

The impact of face masks on interpersonal trust in times of COVID-19, Samreen Malik et al., Research Square, 21<sup>st</sup> May 2021.

Screen time in the COVID era: International trends of increasing use among 3- to 7-year-old children, Andrew David Ribner et al., PsyArXiv Preprints, 15<sup>th</sup> April 2021.

Emotion regulation and psychological and physical health during a nationwide COVID-19 lockdown, Rachel S. T. Low et al., PsyArXiv Preprints, 1<sup>st</sup> October 2020.

## **Published**

What support do frontline workers want? A qualitative study of health and social care workers' experiences and views of psychosocial support during the COVID-19 pandemic, Jo Billings et al., PLOS ONE, 2<sup>nd</sup> September 2021.

Risk factors for depression during the COVID-19 pandemic: a longitudinal study in middle-aged and older adults, Jamie Rutland-Lawes et al., BJPsych Open, 2<sup>nd</sup> September 2021.

"It's a war! It's a battle! It's a fight!": Do militaristic metaphors increase people's threat perceptions and support for COVID-19 policies?, Julia Schnepf et al., International Journal of Psychology, 2<sup>nd</sup> September 2021.

Imagining grim stories to reduce redundant deliberation in critical incident decision-making, Laurence Alison et al., Public Money & Management, 1<sup>st</sup> September 2021.

The fatiguing effects of camera use in virtual meetings: A within-person field experiment, Kristen M. Shockley et al., Journal of Applied Psychology, August 2021.

Staying 'Covid-safe': Proposals for embedding behaviours that protect against Covid-19 transmission in the UK, Susan Michie et al., Health Psychology, 31<sup>st</sup> August 2021.

Maintaining face-to-face contact during the COVID-19 pandemic: a longitudinal qualitative investigation in UK primary care, Andrew Turner et al., BJGP Open, 31<sup>st</sup> August 2021.

COVID-19 pandemic and worldwide organ transplantation: a population-based study, Olivier Aubert et al., The Lancet Public Health, 30<sup>th</sup> August 2021.

Crisis standards of care and COVID-19: what did we learn? How do we ensure equity? What should we do?, John L. Hick et al., National Academy of Medicine, 30<sup>th</sup> August 2021.

Predictors of willingness to receive the COVID-19 vaccine after emergency use authorization: the role of coping appraisal, Qianyi Xiao et al., Vaccines, 29<sup>th</sup> August 2021.

Review: Mental health impacts of the COVID-19 pandemic on children and youth – a systematic review, Hasina Samji et al., Child and Adolescent Mental Health, 28<sup>th</sup> August 2021.

Factors associated with household transmission of SARS-CoV-2: an updated systematic review and meta-analysis, Zachary J. Madewell et al., JAMA Network Open, 27<sup>th</sup> August 2021.

How to look at the Covid-19 pandemic through climate governance?, Samar Nanda, Indian Journal of Public Administration, 27<sup>th</sup> August 2021.

Analytic thinking predicts accuracy ratings and willingness to share COVID-19 misinformation in Australia, Matthew S. Nurse et al., Memory and Cognition, 27<sup>th</sup> August 2021.

UK veterans' mental health and well-being before and during the COVID-19 pandemic: a longitudinal cohort study, Marie-Louise Sharp et al., BMJ Open, 27<sup>th</sup> August 2021.

Association between state-wide financial incentive programs and COVID-19 vaccination rates, Harsha Thirumurthy et al., SSRN, 27<sup>th</sup> August 2021.

The effectiveness of free face mask distribution on use of face masks. A cluster randomised trial in Stovner District of Oslo, Norway, Atle Fretheim et al., International Journal of Environmental Research and Public Health, 26<sup>th</sup> August 2021.

The credibility of health information sources as predictors of attitudes toward vaccination-the results from a longitudinal study in Poland, Katarzyna Stasiuk et al., Vaccines, 23<sup>rd</sup> August 2021.

Use of an analytics and electronic health record–based approach for targeted COVID-19 vaccine outreach to marginalized populations, Jacob Stein et al., JAMA Oncology, 19<sup>th</sup> August 2021.

Public attitudes toward COVID-19 vaccines on English-language Twitter: A sentiment analysis, Siru Liu et al., Vaccine, 17<sup>th</sup> August 2021.

## **Commentaries, Statements, Position Papers and Grey Literature**

COVID-19 vaccination coverage among adolescents aged 12–17 Years — United States, December 14, 2020–July 31, 2021, Bhavini Patel Murthy et al., CDC, 3<sup>rd</sup> September 2021.

Coronavirus vaccine hesitancy in younger adults: June 2021, Office for National Statistics, 3<sup>rd</sup> September 2021.

Nearly eight in ten NHS workers say their workplaces remain disrupted as a result of COVID-19, Connor Ibbetson, YouGov, 1<sup>st</sup> September 2021.

Maximising public adherence to COVID-19 self-isolation in Europe, Jay Patel et al., The Lancet Regional Health Europe, 21<sup>st</sup> March 2021.

## Blogs

Is co-location key for effective multi-agency response?, Louise Davidson et al, Crisis Response, no date.

Back to school – how can parents best help children deal with COVID anxiety?, Tamsin Ford et al., The Conversation, 2<sup>nd</sup> September 2021.

Long-haulers are fighting for their future, Ed Yong, The Atlantic, 1<sup>st</sup> September 2021.

Narrative traps: how can we avoid them in making decisions about COVID?, Paul Dolan et al., LSE, 31<sup>st</sup> August 2021.

“Claim your dose”: how text-message reminders can increase uptake of covid-19 vaccines, Emma L. Barratt, Research Digest, 26<sup>th</sup> August 2021.

## Podcasts, Webinars and Recordings

### Upcoming

Lessons learned from UK Bangladeshi experiences of the pandemic, School of Education, Communication and Society, King's College London, 21<sup>st</sup> September 2021.

### Pre-Recorded

Public health on the frontline: responding to COVID-19, Local Government Association, no date.

COVID-19 related health behaviours – how evolution and culture influence our choices with Professor Ron Fischer, (78 mins), Player FM, 30<sup>th</sup> August 2021.

## Newspapers and other Journalism

‘Storm of misinformation’: Why some are seeking ivermectin to treat COVID-19, Leslie Young, Global News, 1<sup>st</sup> September 2021.

Vaccine passports will make hesitant people ‘even more reluctant to get jabbed’, Natalie Grover et al., The Guardian, 31<sup>st</sup> August 2021.



Freshers' week parties could cause huge jump in Covid cases, scientists warn,  
Miranda Bryant, The Guardian, 28<sup>th</sup> August 2021.

Is the UK facing a winter covid crisis?, Alain Tolhurst, Politics Home, 28<sup>th</sup> August  
2021.

Vaccines alone will not stop Covid spreading - here's why, Michelle Roberts et al.,  
BBC News, 8<sup>th</sup> July 2021.

## Miscellaneous

The Manchester Briefing on COVID-19, Alliance MBS, no date.

IPC in 5, Healthcare Infection Society, no date.

Making the most of behavioural evidence: Development of an ontology of human  
behaviours, Marie Johnston et al., OSF, 2021.