

# PUBLIC HEALTH ENGLAND BEHAVIOURAL SCIENCE REFERENCE CELL LITERATURE REPORT

16/04/2021

## CONTENTS

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Introduction.....	1
Literature report database.....	2
Highlights.....	2
Research papers .....	2
Pre-prints (not peer-reviewed).....	2
Published .....	4
Commentaries, statements, position papers, and grey literature .....	6
Blogs.....	6
Podcasts, webinars, and recordings .....	7
Upcoming .....	7
Pre-recorded .....	7
Newspaper articles and other journalism.....	7
Miscellaneous.....	7

## INTRODUCTION

This is the forty sixth weekly literature report from the Public Health England Behavioural Science Reference Cell. The report aims to highlight a selection of COVID-19 related work in the field of behavioural and social science (mostly) released from the 9<sup>th</sup> April 2021 – 16<sup>th</sup> April 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.

Please feel free to forward this email to your colleagues.

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All past editions can be found here: <https://phelibrary.koha-ptfs.co.uk/coronavirusinformation/>, under the 'Keeping up to date' tab.

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### LITERATURE REPORT DATABASE

We have created a database compiling all previous literature reports. All articles have been thematically categorised, so you can filter through the different topics for a more precise search.

The database will be updated weekly to include our latest reports. You can gain access using this link:

<https://docs.google.com/spreadsheets/d/1qfR4NgnD5hTAS8KriPaXYhLu1s7fpZJDq8EIXQY0ZEs/edit?usp=sharing>

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### HIGHLIGHTS

As we know how time pressured everyone is at the moment, the authors of the digest have selected three recommended items from the lists below. This week these are:

[How the coronavirus pandemic is changing us](#), European Science-Media Hub, 14<sup>th</sup> April 2021.

[Determinants of protective behaviours during a nationwide lockdown in the wake of the COVID-19 pandemic](#), Urte Scholz et al., British Journal of Health Psychology, 13<sup>th</sup> April 2021.

[Social norms, social identities and the COVID-19 pandemic: Theory and recommendations](#), Fergus G. Neville et al., Social and Personality Psychology Compass, 10<sup>th</sup> April 2021.

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### RESEARCH PAPERS

#### Pre-prints (not peer-reviewed)

[Big five predictors of pandemic-related behaviour and emotions in the first and second COVID-19 pandemic wave in Slovakia](#), Michal Kohút et al., PsyArXiv Preprints, 15<sup>th</sup> April 2021.

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Trajectories of compliance with COVID-19 related guidelines: longitudinal analyses of 50,000 UK adults, Liam Wright et al., medRxiv, 15<sup>th</sup> April 2021.

Do people reduce compliance with COVID-19 guidelines following vaccination? A longitudinal analysis of matched UK adults, Liam Wright et al., medRxiv, 15<sup>th</sup> April 2021.

Behavioural nudges increase COVID-19 vaccinations: Two randomized controlled trials, Hengchen Dai et al, medRxiv, 14<sup>th</sup> April 2021.

You're just there, alone in your room with your thoughts: A qualitative study about the impact of lockdown among young people during the COVID-19 pandemic, Alison Ruth McKinlay et al., medRxiv, 14<sup>th</sup> April 2021.

Unpacking the black box: Empirical evidence to understand the human factor for effective rapid testing against SARS-CoV2, Cornelia Betsch et al., PsyArXiv Preprints, 13<sup>th</sup> April 2021.

Compliance with Covid-19 measures: evidence from New Zealand, Geoff Kaine et al., medRxiv, 13<sup>th</sup> April 2021.

COVID-19 vaccine perceptions: An observational study on Reddit, Navin Kumar et al., medRxiv, 13<sup>th</sup> April 2021.

Survey of behaviour attitudes towards preventive measures following COVID-19 vaccination, Daniella Rahamim-Cohen et al., medRxiv, 13<sup>th</sup> April 2021.

The effects of quality of evidence communication on perception of public health information about COVID-19: two randomised controlled trials, Claudia R. Schneider et al., medRxiv, 13<sup>th</sup> April 2021.

Mental health in relation to changes in sleep, exercise, alcohol and diet during the COVID-19 pandemic: examination of four UK cohort studies, Aase Villadsen et al., medRxiv, 12<sup>th</sup> April 2021.

When face masks signal social identity: explaining the deep face-mask divide during the COVID-19 pandemic, Nattavudh Powdthavee et al., OSF Preprints, 10<sup>th</sup> April 2021.

Behavioural responses to Covid-19 health certification: A rapid review, John Drury et al., medRxiv, 9<sup>th</sup> April 2021.

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Development of a codebook of online anti-vaccination rhetoric to manage COVID-19 vaccine misinformation, B. Hughes et al., medRxiv, 26<sup>th</sup> March 2021.

### Published

Parental perceptions of COVID-19–like illness in their children, Ava Hodson et al., Public Health, May 2021.

Coordinated strategy for a model-based decision support tool for Coronavirus Disease, Utah, USA, Hannah R. Meredith et al., Emerging Infectious Diseases, May 2021.

Attitudes and beliefs of Spanish healthcare professionals during the COVID-19 pandemic, Borja Nicolás Santana López et al., Science Progress, April-June 2021.

Depression among physicians and other medical employees involved in the COVID-19 outbreak: A cross-sectional study, Naif Saad ALGhasab et al., Medicine (Baltimore), 16<sup>th</sup> April 2021.

Promoting higher social distancing and stay-at-home decisions during COVID-19: the underlying conflict between public health and the economy, Bachir Kassas et al., Safety Science, 15<sup>th</sup> April 2021.

The Dark Triad trait of psychopathy and message framing predict risky decision-making during the COVID-19 pandemic, Stephen M. Doerfler et al., International Journal of Psychology, 13<sup>th</sup> April 2021.

Determinants of protective behaviours during a nationwide lockdown in the wake of the COVID-19 pandemic, Urte Scholz et al., British Journal of Health Psychology, 13<sup>th</sup> April 2021.

Impact of COVID-19 pandemic on the mental health of students from 2 semi-rural high schools in Georgia\*, Julie Gazmararian et al., Journal of School Health, 12<sup>th</sup> April 2021.

Psychological resilience, coping behaviours, and social support among healthcare workers during the COVID-19 pandemic: A systematic review of quantitative studies, Leodoro J. Labrague, Journal of Nursing Management, 12<sup>th</sup> April 2021.

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United States internet searches for "infertility" following COVID-19 vaccine misinformation, Nicholas B. Sajjadi et al., Journal of Osteopathic Medicine, 12<sup>th</sup> April 2021.

Social norms, social identities and the COVID-19 pandemic: Theory and recommendations, Fergus G. Neville et al., Social and Personality Psychology Compass, 10<sup>th</sup> April 2021.

Factors associated with willingness to be vaccinated against COVID-19 in a large convenience sample, Casey Dorman et al., Journal of Community Health, 9<sup>th</sup> April 2021.

Primary Care implementation of Germ Defence, a digital behaviour change intervention to improve household infection control during the COVID-19 pandemic: A structured summary of a study protocol for a randomised controlled trial, Jeremy Horwood et al., Trials, 9<sup>th</sup> April 2021.

Harnessing social media in the modelling of pandemics-challenges and opportunities, Joanna Sooknanan et al., Bulletin of Mathematical Biology, 9<sup>th</sup> April 2021.

Impact of lockdown on key workers: findings from the COVID-19 survey in four UK national longitudinal studies, Constantin-Cristian Topriceanu et al., Journal of Epidemiology and Community Health, 9<sup>th</sup> April 2021.

Responding to a pandemic through social and behaviour change communication: Nigeria's experience, Chinwe Lucia Ochu et al., Health Security, 8<sup>th</sup> April 2021.

Exploring overcrowding trends in an inner-city emergency department in the UK before and during COVID-19 epidemic, J Panovska-Griffiths et al., BMC Emergency Medicine, 6<sup>th</sup> April 2021.

Reporting on One's Behaviour: a survey experiment on the non-validity of self-reported COVID-19 hygiene relevant routine behaviours, Pelle Guldborg Hansen et al., Behavioural Public Policy, 24<sup>th</sup> March 2021.

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## COMMENTARIES, STATEMENTS, POSITION PAPERS, AND GREY LITERATURE

Emergency department visits for COVID-19 by race and ethnicity — 13 States, October–December 2020, Amanda R. Smith et al., Morbidity and Mortality Weekly Report, 16<sup>th</sup> April 2021.

Coronavirus and self-isolation after testing positive in England: 8 March to 13 March 2021, Office for National Statistics, 15<sup>th</sup> April 2021.

How the coronavirus pandemic is changing us, European Science-Media Hub, 14<sup>th</sup> April 2021.

Mental health impact of the COVID-19 pandemic: an update, Audrey Kearney et al., KFF, 14<sup>th</sup> April 2021.

Coronavirus and compliance with government guidance, UK: April 2021, Office for National Statistics, 12<sup>th</sup> April 2021.

Pandemic fans the flames of smoking and health inequity, The Lancet, 9<sup>th</sup> April 2021.

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## BLOGS

Britain must harness the social sciences to fight post-pandemic deprivation, Will Hutton, The Guardian, 15<sup>th</sup> April 2021.

The challenges of unravelling long Covid, Ed Cara, Gizmodo, 14<sup>th</sup> April 2021.

Covid-19 and clinical reasoning—we all became novices once more, Anna Hammond, BMJ, 12<sup>th</sup> April 2021.

Maintaining trust in the covid-19 vaccine programme will be essential in the months ahead, Linda Bauld, BMJ, 9<sup>th</sup> April 2021.

Pubs are reopening but research shows contact tracing still isn't working – here's how to fix it, Donia Waseem et al., The Conversation, 9<sup>th</sup> April 2021.

New COVID variants have changed the game, and vaccines will not be enough. We need global 'maximum suppression', Susan Michie et al., The Conversation, 5<sup>th</sup> April 2021.

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## PODCASTS, WEBINARS, AND RECORDINGS

### Upcoming

Communication in crisis: recommendations on management, approaches and tools for effective communication, No-Fear, 20<sup>th</sup> Mary 2021.

Making sense of behavioural insights: Addressing vaccine hesitancy, Behavioural Science and Public Health Network, 21<sup>st</sup> April 2021.

[Un]Truths: Trust in an age of disinformation, PERITIA Public Lectures, Zoom, 20<sup>th</sup> April 2021.

### Pre-recorded

Theresa Marteau on how to change behaviour, (27 min), The Life Scientific, BBC Radio 4, 13<sup>th</sup> April 2021.

Reopening the city with Behavioural Insights Experts, (52 min), City of York Council, YouTube, 30<sup>th</sup> March 2021.

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## NEWSPAPER ARTICLES AND OTHER JOURNALISM

COVID-19 vaccines, hesitancy and mental health, Katharine Smith et al., BMJ Journals, 13<sup>th</sup> April 2021.

Covid-status certificates could lead to deliberate infections, scientists warn, Sarah Boseley, The Guardian, 11<sup>th</sup> April 2021.

Covid-19: Debunking the latest wave of medical misinformation, Jack Goodman et al., BBC, 11<sup>th</sup> April 2021.

Covid-19 vaccines save lives, Beate Kampmann et al., BMJ, 9<sup>th</sup> April 2021.

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## MISCELLANEOUS

The collective service, Risk Communication and Community Engagement, no date.

Social media & COVID-19: A global study of digital crisis interaction among Gen Z and Millennials, Covid19-infodemic, no date.

COVID-19: vaccination case studies, Local Government Association, no date.

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International monitor: vaccine passports and COVID status apps, Ada Lovelace  
Institute, 22<sup>nd</sup> June 2020.