

# PUBLIC HEALTH ENGLAND BEHAVIOURAL SCIENCE REFERENCE CELL LITERATURE REPORT

05/06/2020

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## INTRODUCTION

Welcome to the fifth weekly literature report from the Public Health England Behavioural Science Reference Cell. This report captures a range of COVID-19 related work in the field of Behavioural Science (mostly) released from the 29<sup>th</sup> May – 5<sup>th</sup> June 2020. We have also cross-checked these lists with the Public Health England daily COVID-19 Literature Digest and Daily Alert Report and we are grateful to the work of those teams. 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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## 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:

1. Physical distancing, face masks, and eye protection to prevent person-to-person transmission of SARS-CoV-2 and COVID-19: a systematic review and meta-analysis, Derek K Chu et al., The Lancet, 1<sup>st</sup> June 2020.
2. We are learning a lot, including how to do it better next time, Patrick Vallance, The Telegraph, 30<sup>th</sup> May 2020.
3. Communication about Coronavirus, David Spiegelhalter, Winton Centre for Risk and Evidence Communication, University of Cambridge, 2<sup>nd</sup> March 2020.

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## RESEARCH PAPERS

### Pre-prints (not peer-reviewed)

Factors associated with adherence to self-isolation and lockdown measures in the UK; a cross-sectional survey, Louise E. Smith et al., medRxiv, 2<sup>nd</sup> June 2020.

Loneliness during lockdown: trajectories and predictors during the COVID-19 pandemic in 35,712 adults in the UK, Feifei Bu et al., medRxiv, 29<sup>th</sup> May 2020.

Factors affecting healthcare workers' compliance with social and behavioural infection control measures during emerging infectious disease outbreaks: Rapid evidence review, Samantha Brooks et al., medRxiv, 29<sup>th</sup> May 2020.

Mental health outcomes and associations during the coronavirus disease 2019 pandemic: A cross-sectional survey of the US general population, Bella Nichole Kantor et al., medRxiv, 28<sup>th</sup> May 2020.

Public attitudes towards COVID-19 contact tracing apps: a UK-based focus group study, Simon Nicholas et al., PsyArXiv Preprints, 15<sup>th</sup> May 2020.

Scoping review of mobile phone app uptake and engagement to inform digital contact tracing tools for covid-19, Rachael Thorneloe et al., PsyArXiv Preprints, 7<sup>th</sup> May 2020.

Perceptions and behavioural responses of the general public during the COVID-19 pandemic: A cross-sectional survey of UK Adults, Christina J Atchison et al., medRxiv, 3<sup>rd</sup> April 2020.

## **Published**

Mental Health Outcomes of the CoViD-19 Pandemic, Dalila Talevi et al., Rivista di Psichiatria, May – June 2020.

Racial disparities in knowledge, attitudes and practices related to COVID-19 in the USA, Wilson M Alobuia et al., Journal of Public Health, 3<sup>rd</sup> June 2020.

Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study, Nicholas G Davies et al., The Lancet Public Health, 2<sup>nd</sup> June 2020.

The need for privacy with public digital contact tracing during the COVID-19 pandemic, Yoshua Bengio et al., Lancet Digital Health, 2<sup>nd</sup> June 2020.

Physical distancing, face masks, and eye protection to prevent person-to-person transmission of SARS-CoV-2 and COVID-19: a systematic review and meta-analysis, Derek K Chu et al., The Lancet, 1<sup>st</sup> June 2020.

Mental Health of Young Physicians in China During the Novel Coronavirus Disease 2019 Outbreak, Weidong Li et al., JAMA Network Open, 1<sup>st</sup> June 2020.

The Social Psychological Impact of the COVID-19 Epidemic on Medical Staff in China: A Cross-Sectional Study, Zai-Quan Dong et al., European Psychiatry, 1<sup>st</sup> June 2020.

A social identity perspective on COVID-19: Health risk is affected by shared group membership, Tegan Cruwys et al., British Journal of Social Psychology, 31<sup>st</sup> May 2020.

COVID-19 pandemic and mental health consequences: Systematic review of the current evidence, Nina Vindegaard et al., corrected proof in Brain, Behavior, and Immunity, 30<sup>th</sup> May 2020.

Covid-19: ensuring equality of access to testing for ethnic minorities, Catherine Dodds et al., BMJ, 29<sup>th</sup> May 2020.

Americans' COVID-19 Stress, Coping, and Adherence to CDC Guidelines, Crystal L. Park et al., Journal of General Internal Medicine, 29<sup>th</sup> May 2020.

Coping With COVID-19: Exposure to COVID-19 and Negative Impact on Livelihood Predict Elevated Mental Health Problems in Chinese Adults, Jung Guo et al., International Journal of Environmental Research and Public Health, 29<sup>th</sup> May 2020.

How might the NHS protect the mental health of health-care workers after the COVID-19 crisis?, Neil Greenberg et al., The Lancet Psychiatry, 28<sup>th</sup> May 2020.

Digital Contact Tracing for Pandemic Response: Ethics and Governance Guidance, Jeffrey Kahn et al., online version, 25<sup>th</sup> May 2020.

Psychological Intervention on COVID-19: A Protocol for Systematic Review and Meta-Analysis, Gu Renjun et al., Medicine (Baltimore), 22<sup>nd</sup> May 2020.

Perceived Stress and Sleep Quality Among the Non-Diseased General Public in China During the 2019 Coronavirus Disease: A Moderated Mediation Model, Xiaolin Zhao et al., Sleep Medicine, 21<sup>st</sup> May 2020.

Adolescents' Motivations to Engage in Social Distancing During the COVID-19 Pandemic: Associations With Mental and Social Health, Benjamin Oosterhoff et al., corrected proof in Journal of Adolescent Health, 8<sup>th</sup> May 2020.

Supporting Adults Bereaved Through COVID-19: A Rapid Review of the Impact of Previous Pandemics on Grief and Bereavement, Catriona R. Mayland et al., article in press in Journal of Pain and Symptom Management, 7<sup>th</sup> May 2020.

Privileges and Immunity Certification During the COVID-19 Pandemic, Mark A. Hall et al., JAMA, 6<sup>th</sup> May 2020.

The effects of communicating uncertainty on public trust in facts and numbers, Anne Marthe van der Bles et al., Proceedings of the National Academy of Sciences, April 2020.

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

### **LITERATURE**

Covid-19: Physical distancing of at least one metre is linked to large reduction in infection, Elisabeth Mahase, BMJ, 3<sup>rd</sup> June 2020.

Physical distancing, face masks, and eye protection for prevention of COVID-19, C Raina MacIntyre et al., The Lancet, 1<sup>st</sup> June 2020.

Covid-19: Doctors need proper mental health support, says BMA, Ingrid Torjesen, BMJ, 1<sup>st</sup> June 2020.

Getting used to life under lockdown? Coronavirus in the UK, Bobby Duffy, The Policy Institute King's College London, May 2020.

Coronavirus and the social impacts on Great Britain: 29 May 2020, ONS, 29<sup>th</sup> May 2020.

Research on covid-19 is suffering "imperfect incentives at every stage", Stephen Armstrong, BMJ, 28<sup>th</sup> May 2020.

Ethnicity and COVID-19: an urgent public health research priority, Manish Pareek et al., The Lancet, 21<sup>st</sup> April 2020.

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## **BLOGS**

The psychology of physical distancing, John Drury et al., The Psychologist, 1<sup>st</sup> June 2020.

Don't say it makes you "immune" – how you frame coronavirus antibody results matters, BI Team, 29<sup>th</sup> May 2020.

Communication about Coronavirus, David Spiegelhalter, Winton Centre for Risk and Evidence Communication, University of Cambridge, 2<sup>nd</sup> March 2020.

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## **PODCASTS, WEBINARS, AND RECORDINGS**

Maudsley Philosophy Group virtual seminar, 14<sup>th</sup> July 2020.

Using Behavioural Science approaches to inform Covid-19 support/management, webinar collaboration from the BSPHN Hubs for North West & Yorkshire and the Humber, 15<sup>th</sup> June 2020.

The science of COVID-19, Lords Science & Technology Committee, UK parliament, 2<sup>nd</sup> June 2020.

Covid-19: is a second wave inevitable?, The Guardian Science Weekly podcast, 2<sup>nd</sup> June 2020.

Contact Tracing – Learning from Other Diseases, Isaac Newton Institute for Mathematical Sciences, 1<sup>st</sup> June 2020.

Uncharted territory – Using patient data to tackle COVID-19, \*use MY data webinar, 28<sup>th</sup> May 2020.

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## **NEWSPAPER ARTICLES AND OTHER JOURNALISM**

Medical Workers Should Use Respirator Masks, Not Surgical Masks, Apoorva Mandavilli, The New York Times, 1<sup>st</sup> June 2020.

We are learning a lot, including how to do it better next time, Patrick Vallance, The Telegraph, 30<sup>th</sup> May 2020.

There Are 3 Things We Have to Do to Get People Wearing Masks, Angela Duckworth et al., The New York Times, 27<sup>th</sup> May 2020.

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## **MISCELLANEOUS**

e-Bug 'Hand hygiene' and 'Cover coughs and sneezes' child-friendly posters, 4<sup>th</sup> June 2020.

Free Access to Cochrane's COVID-19 pandemic resources guaranteed, Cochrane, 26<sup>th</sup> May 2020.

Mind & Behaviour team COVID-19 resources, University of Oxford.

COVID-19 Longitudinal Research Hub, CLOSER UCL Institute of Education.

Understanding Society: COVID-19 Study, 2020, UK Data Service, ongoing.