

# Public Health England Behavioural Science Reference Cell Literature Report 05/05/2020

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## INTRODUCTION

Welcome to the first weekly literature report from the Public Health England Behavioural Science Reference Cell. This report aims to capture a range of sources, from traditional academic papers, to news articles and podcasts, to provide a snapshot of the behavioural and social science work being conducted in the response to the COVID-19 pandemic. As this is the first edition it contains both current and slightly older articles to allow readers to get up to speed on behavioural science activity in response to COVID-19. Whilst many of the entries are discovered by the authors own searches and therefore do not represent fully comprehensive lists, in future editions we intend to top up the research papers lists with some systematic searches of relevant databases. We have also cross-checked these lists with the Public Health England daily COVID-19 Literature Digest and we are grateful to the work of that team.

If you have any suggestions for the context of the report, feedback on this mailing, or content for inclusion in future reports please email: [WNCov.behaviour@phe.gov.uk](mailto:WNCov.behaviour@phe.gov.uk)

## HIGHLIGHTS

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

1. 'Effectiveness of isolation, testing, contact tracing and physical distancing on reducing transmission of SARS-CoV-2 in different settings', Adam Kucharski et al., CMMID Repository, 23<sup>rd</sup> April 2020. [LINK](#)
2. 'Behavioural science and disease prevention: Psychological guidance', Guidance article from the BPS, 14<sup>th</sup> April 2020. [LINK](#)
3. 'The two psychologies and Coronavirus', Stephen Reicher et al., The Psychologist article, 1<sup>st</sup> April 2020. [LINK](#)

## RESEARCH PAPERS

### Pre-prints (not peer-reviewed)

'Communicating with patients and families about difficult matters: A rapid review in the context of the COVID-19 pandemic', Stuart Ekberg et al., medRxiv preprint, 1<sup>st</sup> May 2020. [LINK](#)

'Face masks to prevent community transmission of viral respiratory infections: A rapid evidence review using Bayesian analysis', Olda Perski et al., Qeios Preprint, 1<sup>st</sup> May 2020. [LINK](#)

'Strategic Thinking in a Pandemic: A Blueprint for Government-Led National Hygiene Communication Campaigns to Combat COVID-19', Valerie Curtis et al., Preprints, 1<sup>st</sup> May 2020. [LINK](#)

'Literature summary on vulnerable groups' management and communication during COVID-19 epidemic', Boris Bikbov, OSF-PREPRINTS, 28<sup>th</sup> April 2020. [LINK](#)

'Comparing public policy implementation in Taiwan and Vietnam in the early stages of the COVID-19 outbreak: a review', Matias Acosta et al., SocARxIC Papers, 25<sup>th</sup> April 2020. [LINK](#)

'Factors Affecting Mental Health of Health Care Workers During Coronavirus Disease Outbreaks: A Rapid Systematic Review', Niels De Brier et al., PsyArXiv Preprints, 24<sup>th</sup> April 2020. [LINK](#)

'Compliance with COVID-19 Mitigation Measures in the United States', Benjamin van Rooij et al., PsyArXiv Preprints, 23<sup>rd</sup> April 2020. [LINK](#)

\* 'Effectiveness of isolation, testing, contact tracing and physical distancing on reducing transmission of SARS-CoV-2 in different settings', Adam Kucharski et al., CMMID Repository, 23<sup>rd</sup> April 2020. [LINK](#)

'Predictors of Adherence to Home Quarantine During COVID-19 Crisis: The Case of Health Belief Model in Jordan', Mohammed Qussay Al-Sabbagh et al., 23<sup>rd</sup> April 2020. [LINK](#)

'The Impact of COVID-19 on Public Space: A Review of the Emerging Questions', Jordi Honey-Roses et al., OSF-PREPRINTS, 23<sup>rd</sup> April 2020. [LINK](#)

'A Workable Strategy for Covid-19 Testing: Stratified Periodic Testing rather than Universal Random Testing', Matthew Cleevly et al., COVID Economics Vetted and Real-Time Papers, Centre for Economic Policy Research Press, 22<sup>nd</sup> April 2020. [LINK](#)

'How is Coronavirus Affecting Europeans' lives', Andreas Lieberoth et al., 20<sup>th</sup> April 2020, OSF. [LINK](#)

'Social network-based distancing strategies to flatten the COVID 19 curve in a post-lockdown world', Per Block et al., arXiv Preprints, 15<sup>th</sup> April 2020. [LINK](#)

'Self-Isolation Compliance In The COVID-19 Era Influenced By Compensation: Findings From A Recent Survey In Israel', Moran Bodas et al., 9<sup>th</sup> April 2020. [LINK](#)

## **Published**

'Public health messaging and harm reduction in the time of COVID-19', Karamouzian et al., The Lancet: Psychiatry, May 2020. [LINK](#)

'COVID-19: remaking the social contract', Editorial, The Lancet, 2<sup>nd</sup> May 2020. [LINK](#)

'Public Health Measures and the Reproduction Number of SARS-CoV-2', Thomas Inglesby, JAMA Insights, 1<sup>st</sup> May 2020. [LINK](#)

'Using social and behavioural science to support COVID-19 pandemic response', Van Bavel et al., Nature: Human Behaviour, 30<sup>th</sup> April 2020. [LINK](#)

'Coronavirus (COVID - 19) in the United Kingdom: A personality - based perspective on concerns and intention to self - isolate', Alison Bacon et al., British Journal of Health Psychology, 29<sup>th</sup> April 2020. [LINK](#)

'Functional Fear Predicts Public Health Compliance in the COVID-19 Pandemic', Craig Harper et al., International Journal of Mental Health and Addiction, 27<sup>th</sup> April 2020. [LINK](#)

'Using effective hand hygiene practice to prevent and control infection', Mark Hillier, Nursing Standard, 27<sup>th</sup> April 2020. [LINK](#)

'Recovering from the COVID-19 Pandemic: A Focus on Older Adults', Nancy Morrow-Howell et al., Journal of Aging & Social Policy, 26<sup>th</sup> April 2020. [LINK](#)

'The COVID-19 Pandemic Crisis: The Loss and Trauma Event of Our Time', Eric Miller, Journal of Loss and Trauma, 25<sup>th</sup> April 2020. [LINK](#)

'An Empirical Study about the Intention to Hoard Food during COVID-19 Pandemic', Nguyen Long et al., EURASIA Journal of Mathematics, Science and Technology Education, 24<sup>th</sup> April 2020. [LINK](#)

'Is returning to work during the COVID-19 pandemic stressful? A study on immediate mental health status and psychoneuroimmunity prevention measures of Chinese workforce', Wanqui Tan et al., Brain, Behaviour, and Immunity, 23<sup>rd</sup> April 2020. [LINK](#)

'A multinational, multicentre study on the psychological outcomes and associated physical symptoms amongst healthcare workers during COVID-19 outbreak', Nicholas Chew et al., Brain, Behaviour, and Immunity, 21<sup>st</sup> April 2020. [LINK](#)

'How to improve adherence with quarantine: Rapid review of the evidence', Becca Webster et al., Public Health, 30<sup>th</sup> March 2020. [LINK](#)

'The psychological impact of quarantine and how to reduce it: rapid review of the evidence', Samantha Brooks et al., The Lancet, 26<sup>th</sup> February 2020. [LINK](#)

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

'Coronavirus Government Response Tracker', Oxford University, updated regularly. [LINK](#)

'Internal and External Effects of Social Distancing in a Pandemic', Maryam Farboodi et al., Becker Friedman Institute, April 2020. [LINK](#)

'Using Behavioural Science to Improve Hand Hygiene in Workplaces and Public Places', Robert Murphy, Irish Department of Health, April 2020. [LINK](#)

'Coronavirus and the social impacts on Great Britain: April 2020', ONS, 30<sup>th</sup> April 2020. [LINK](#)

'Statement: COVID-19 and the basics of democratic governance', Statement from the Nuffield Council on Bioethics, 25<sup>th</sup> April 2020. [LINK](#)

'Multidisciplinary research priorities for the COVID-19 pandemic: a call for action for mental health science', The Lancet: Psychiatry, 15<sup>th</sup> April 2020. [LINK](#)

\* 'Behavioural science and disease prevention: Psychological guidance', Guidance article from the BPS, 14<sup>th</sup> April 2020. [LINK](#)

'Open letter to the Uk Government regarding COVID-19', 16<sup>th</sup> March 2020. [LINK](#)

'Why a Group of Behavioural Scientists Penned an Open Letter to the U.K. Government Questioning Its Coronavirus Response', Behavioral Scientist editorial, 16<sup>th</sup> March 2020. [LINK](#)

## **BLOGS**

'Does COVID-19 need a different kind of journalism?', Fiona Fox, Science Media Centre, 4<sup>th</sup> May 2020. [LINK](#)

'Keeping our distance', Holly Carter at al., The Psychologist article, 4<sup>th</sup> May 2020. [LINK](#)

'Contact-tracing apps are not a solution to the COVID-19 crisis', Ashkan Soltani et al., Brookings Institute, 27<sup>th</sup> April 2020. [LINK](#)

'Internet-mediated Research', Personal blog of Dr Linda Kaye, 27<sup>th</sup> April 2020. [LINK](#)

'Science in inaction', Jana Bacevic, LSE blog, 27<sup>th</sup> April 2020. [LINK](#)

'Why the UK is complying by consent rather than compulsion', Jonathan Jackson, LSE blog, 27<sup>th</sup> April 2020. [LINK](#)

'In defence of the role of psychology in the coronavirus crisis', Jonathan Breckon, KCL blog, 8<sup>th</sup> April 2020. [LINK](#)

'What can we learn from previous outbreaks about hygiene promotion for COVID-19 response?', Sian White, COVID-19 Hygiene Hub, 6<sup>th</sup> April 2020. [LINK](#)

'What happens to hygiene behaviour in an outbreak scenario?', Julie Watson, COVID-19 Hygiene Hub, 4<sup>th</sup> April 2020. [LINK](#)

'Don't touch the T-Zone—how to block a key pathway to infection with SARS-CoV-2', Robert West et al., BMJ opinion piece, 3<sup>rd</sup> April 2020. [LINK](#)

\* 'The two psychologies and Coronavirus', Stephen Reicher at al., The Psychologist article, 1<sup>st</sup> April 2020. [LINK](#)

'Don't trust the psychologists on coronavirus', blog by Stuart Ritchie, 31<sup>st</sup> March 2020. [LINK](#)

'How can we involve communities in managing the covid-19 pandemic?', Lucy Yardley et al., BMJ opinion piece, 17<sup>th</sup> March 2020. [LINK](#)

‘Slowing down the covid-19 outbreak: changing behaviour by understanding it’, Susan Michie et al., BMJ opinion piece, 11<sup>th</sup> March 2020. [LINK](#)

‘Behavioural strategies for reducing covid-19 transmission in the general population’, Susan Michie, BMJ opinion piece, 3<sup>rd</sup> March 2020. [LINK](#)

‘Behavioural science must be at the heart of the public health response to covid-19’, Susan Michie, BMJ opinion piece, 28<sup>th</sup> February 2020. [LINK](#)

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

‘App-based contact tracing as a way out of the lockdown’, Johannes Abeler, broadcast 5<sup>th</sup> May 2020. [LINK](#)

‘Work and Organisations’, webinar hosted by UC Dublin on the changing nature of work, free but registration required, broadcast 1<sup>st</sup> May 2020. [LINK](#)

‘Crafting communication during a crisis’, BIT webinar, broadcast 29<sup>th</sup> April 2020. [LINK](#)

‘UK Science, Research and Technology Capability and Influence in Global Disease Outbreaks’, speakers include Susan Michie and Matthew Gould, Science and Technology Committee UK Parliament, 28<sup>th</sup> April 2020. [LINK](#)

‘Research Comms: Fiona Fox COVID-19 Special’, podcast with Fiona Fox, 24<sup>th</sup> April 2020. [LINK](#)

‘Governments and COVID-19: The citizen perspective in the G7 nations’, Webinar series from Kantar. Available to watch on demand but registration required. Latest episode 20<sup>th</sup> April 2020. [LINK](#)

BBC radio 4 ‘The Briefing Room’ on the psychological impact of COVID-19, first broadcast on 16<sup>th</sup> April 2020. [LINK](#)

‘In the middle of the Pandemic - can you get people to do anything you want?’, podcast with Stephen Reicher, 11<sup>th</sup> April 2020. [LINK](#)

## **NEWSPAPER AND JOURNALISM ARTICLES**

‘Fearful Britons remain strongly opposed to lifting coronavirus lockdown’, The Observer article, 3<sup>rd</sup> May 2020. [LINK](#)

‘Three ways people are reacting to coronavirus: ‘accepting’, ‘suffering’ and ‘resisting’’, The Conversation article, 29<sup>th</sup> April 2020. [LINK](#)

‘The big nudge: here’s how the government could spread its coronavirus tracing app far, fast and wide’, Crikey article, 27<sup>th</sup> April 2020. [LINK](#)

'Tracing app 'needs 60% take-up to be successful', The Independent article, 27<sup>th</sup> April 2020. [LINK](#)

'Nudge theory is a poor substitute for hard science in matters of life or death', The Guardian opinion piece, 26<sup>th</sup> April 2020. [LINK](#)

'In a post-pandemic world, collective action must still be valued', The Observer article, 25<sup>th</sup> April 2020. [LINK](#)

'COVID-19 Superspreader Events in 28 Countries: Critical Patterns and Lessons', Jonathan Key, Quillette, 23<sup>rd</sup> April 2020. [LINK](#)

'What social science can offer us in a time of Covid-19', THE article, 18<sup>th</sup> April 2020. [LINK](#)

'Crushing coronavirus means 'breaking the habits of a lifetime', AAAS Science article, 16<sup>th</sup> April 2020. [LINK](#)

'No signs of lock-down fatigue in Ireland ... yet', The Irish Times article, 2<sup>nd</sup> April 2020. [LINK](#)

'The fear of coronavirus is changing our psychology', BBC article, 2<sup>nd</sup> April 2020. [LINK](#)

'People won't get 'tired' of social distancing – the government is wrong to suggest otherwise', The Guardian opinion piece, 16<sup>th</sup> March 2020. [LINK](#)