

Witness Name:

Dr Louise Smith

Dated:

Ref: M2/SAGE/01/LXS

COVID-19 INQUIRY – MODULE 2

Questionnaire Response – Dr Louise Smith

1: Overview of qualifications, career history, professional expertise and major publications:

Qualifications

1.1. The following table outlines my qualifications:

Table 1 – Qualifications

2012	MA Experimental Psychology (Oxon) (2:1), University of Oxford
2014	MSc Mental Health Studies (distinction), King's College London
2019	PhD Psychology (minor corrections), King's College London
2021	Associate Fellow of the Higher Education Academy

Employment History

1.2. The following table outlines my employment history:

Table 2 – Employment History

2014 – 2015	Research worker, King's College London
2019 – Present	Research Fellow, King's College London

Professional expertise

- 1.3. I am an early career researcher. My research focuses on psychological factors associated with somatic symptom perception, and uptake of protective behaviours such as vaccination. I am an expert in survey design and quantitative analysis.

Major publications

- 1.4. A full list of my publications can be found on [Scopus](#). My major publications include:

- (1) Webster R.K., Brooks S. K., **Smith L. E.**, Woodland L., Wessely S., Rubin G.J. (2020). How to improve adherence with quarantine: rapid review of the evidence. Public Health. <https://doi.org/10.1016/j.puhe.2020.03.007>
- (2) Sherman S.M.*, **Smith L. E.***, Sim J., Amlot R., Cutts M., Dasch H., Rubin, G. J., Sevdalis, N. (2020). COVID-19 vaccination intention in the UK: Results from the 'COVID-19 Vaccination Acceptability Study' (CoVAccS), a nationally representative cross-sectional survey. Hum Vaccines Immunother. <https://doi.org/10.1080/21645515.2020.1846397> (*Joint first authors.)
- (3) **Smith, L. E.**, Amlôt, R., Weinman, J., Yiend, J., & Rubin, G. J. (2017). A systematic review of factors affecting vaccine uptake in young children. Vaccine. <https://doi.org/10.1016/j.vaccine.2017.09.046>
- (4) Brooks S. K., Webster R. K., **Smith L. E.**, Woodland L., Wessely S., Greenberg N., Rubin, G. J. (2020). The psychological impact of quarantine and how to reduce it: rapid review of the evidence. Lancet. [https://doi.org/10.1016/S0140-6736\(20\)30460-8](https://doi.org/10.1016/S0140-6736(20)30460-8)
- (5) **Smith L. E.**, Potts H.W.W., Amlot R., Fear N.T., Michie S., Rubin G.J. (2021). Adherence to the test, trace and isolate system: results from a time series of 37 nationally representative surveys in the UK. BMJ. <https://doi.org/10.1136/bmj.n608>

2: List of groups I participated in and the relevant time period:

- 2.1. Scientific Pandemic Insights Group on Behaviours (SPI-B) – February 2020 to March 2022.

3: Overview of involvement in groups between January 2020 and February 2022:

When and how I became a participant

- 3.1. I came to be a participant in SPI-B in February 2020, through my involvement on the COVID-19 Rapid Survey of Adherence to Interventions and Responses (CORSAIR) study (<http://epr.hpru.nihr.ac.uk/our-research/research-themes/response/corsair-study>). The CORSAIR study was a series of cross-sectional surveys commissioned by the Department of Health and Social Care investigating public responses to the pandemic. The first survey was conducted on 28 to 30 January 2020, with surveys conducted weekly or fortnightly thereafter. Approximately 2000 participants completed each survey, and there were a total of 73 survey waves (last survey conducted 11 to 13 April 2022; total n=149,640).

Number of meetings I attended and my contributions

- 3.2. I attended a total of 18 meetings between 24 February 2020 and 15 September 2020. As a junior member of the group, my contributions to the meeting were limited to providing updates on results from the CORSAIR study (<http://epr.hpru.nihr.ac.uk/our-research/research-themes/response/corsair-study>).

My role in providing research, information and advice.

- 3.3. I was the lead post-doctoral researcher on the CORSAIR study, carrying out analyses supported by the rest of the team (<http://epr.hpru.nihr.ac.uk/our-research/research-themes/response/corsair-study>).

4: Summary of documents to which I contributed for the purposes of advising the groups:

- 4.1. My main contribution was through the CORSAIR study. A summary of reports and manuscripts from the CORSAIR study can be found at <http://epr.hpru.nihr.ac.uk/our-research/research-themes/response/corsair-study>.
- 4.2. I contributed to some papers produced by SPI-B, through my involvement in the CORSAIR study (analysis of data). These are:
- (1) SPI-B: Insights on combined behavioural and social interventions, 4 March 2020 (<https://www.gov.uk/government/publications/spi-b-insights-on-combined-behavioural-and-social-interventions-4-march-2020>)
 - (2) SPI-B: Insights on public gatherings, 12 March 2020 (<https://www.gov.uk/government/publications/spi-b-insights-on-public-gatherings-12-march-2020>).
 - (3) SPI-B: Current adherence to behavioural and social interventions in the UK, 22 March 2020 (<https://www.gov.uk/government/publications/spi-b-current-adherence-to-behavioural-and-social-interventions-in-the-uk-22-march-2020>)
 - (4) SPI-B: Self-reported adherence to social distancing measures, 7 April 2020 (<https://www.gov.uk/government/publications/spi-b-self-reported-adherence-to-social-distancing-measures-7-april-2020>).
 - (5) SPI-B: How behaviour may change following testing - initial response, 22 April 2020 (<https://www.gov.uk/government/publications/spi-b-how-behaviour-may-change-following-testing-initial-response-22-april-2020>).
 - (6) SPI-B: Symptom-based contact tracing in comparison to test-based approaches - note, 29 April 2020 (<https://www.gov.uk/government/publications/spi-b-symptom-based-contact-tracing-in-comparison-to-test-based-approaches-note-29-april-2020>).

- (7) SPI-B: Consensus on reintroduction of measures and their impact on rate of infection, 22 June 2020 (<https://www.gov.uk/government/publications/spi-b-consensus-on-reintroduction-of-measures-and-their-impact-on-rate-of-infection-22-june-2020>).
- (8) Adherence to the test, trace and isolate system: results from a time series of 21 nationally representative surveys in the UK, 3 September 2020 (<https://www.gov.uk/government/publications/adherence-to-the-test-trace-and-isolate-system-results-from-a-time-series-of-21-nationally-representative-surveys-in-the-uk-3-september-2020>)
- (9) Non-pharmaceutical interventions (NPIs) table, 21 September 2020 (<https://www.gov.uk/government/publications/npis-table-17-september-2020>)
- (10) SPI-B: What are the potential behavioural effects of reducing the duration of quarantine for contacts?, 11 November 2020 (<https://www.gov.uk/government/publications/spi-b-what-are-the-potential-behavioural-effects-of-reducing-the-duration-of-quarantine-for-contacts-11-november-2020>)
- (11) SPI-B: How important is symptom recognition in leading people to seek a test for COVID-19, 30 November 2020 (<https://www.gov.uk/government/publications/spi-b-how-important-is-symptom-recognition-in-leading-people-to-seek-a-test-for-covid-19-30-november-2020>).
- (12) EMG/SPI-B/SPI-M: Reducing within- and between-household transmission in light of new variant SARS-CoV-2, 14 January 2021 (<https://www.gov.uk/government/publications/emgsbi-bspi-m-reducing-within-and-between-household-transmission-in-light-of-new-variant-sars-cov-2-14-january-2021>).
- (13) Testing when symptomatic, and staying at home with influenza-like illness, during autumn and winter 2021, 30 September 2021 (<https://www.gov.uk/government/publications/testing-when->

[symptomatic-and-staying-at-home-with-influenza-like-illness-during-autumn-and-winter-2021-30-september-2021\)](#)

5: Summary of articles, interviews and/or evidence:

5.1. Below is a list of peer-reviewed articles I have written investigating COVID-19, including work conducted as part of the CORSAIR study:

Published in or after April 2022

- (1) **Smith L. E.**, Potts H. W. W., Amlôt R., Fear N. T., Michie S., Rubin G. J. (2022). How has the emergence of the Omicron SARS-CoV-2 variant of concern influenced worry, perceived risk, and behaviour in the UK? The COVID-19 Rapid Survey of Adherence to Interventions and Responses (CORSAIR) study. *BMJ Open*. doi: <http://dx.doi.org/10.1136/bmjopen-2022-061203>
- (2) Davies R., Mowbray F., Martin A. F., **Smith L. E.**, Rubin G. J. (2022). A systematic review of observational methods used to quantify personal protective behaviours among members of the public during the COVID-19 pandemic, and the concordance between observational and self-report measures in infectious disease health protection. *BMC Public Health*. doi: <https://doi.org/10.1186/s12889-022-13819-0>
- (3) **Smith L. E.**, Potts H. W. W., Amlôt R., Fear N. T., Michie S., Rubin G. J. (2022). Psychological wellbeing in the English population during the COVID-19 pandemic: a series of cross-sectional surveys. *J Psychiatr Res*. doi: <https://doi.org/10.1016/j.jpsychires.2022.06.040>
- (4) **Smith L. E.**, Potts H. W. W., Amlôt R., Fear N. T., Michie S., Rubin G. J. (2022). Patterns of social mixing in England changed in line with restrictions during the COVID-19 pandemic (September 2020 to April 2022). *Sci Rep*. doi: <https://doi.org/10.1038/s41598-022-14431-3>
- (5) Rubin G. J.,* **Smith L. E.*** Amlôt R., Fear N. T., Potts H. W. W., Michie S. (2022). Do people with symptoms of an infectious illness follow advice to stay at home? Evidence from a series of cross-sectional surveys about

presenteeism in the UK. BMJ Open. doi:
<http://dx.doi.org/10.1136/bmjopen-2021-060511> (*Joint first authors.)

- (6) Woodland L., Hodson A., Webster R. K., Amlôt R., **Smith L. E.**, Rubin G. J. (2022). A Qualitative Study Evaluating the Factors Affecting Families' Adherence to the First COVID-19 Lockdown in England Using the COM-B Model and TDF. Int J Environ Res Public Health. doi: <https://doi.org/10.3390/ijerph19127305>

Published in or before March 2022

- (7) **Smith L. E.**, Potts H.W.W., Amlot R., Fear N. T., Michie S., Rubin G.J. (2022). Engagement with protective behaviours in the UK during the COVID-19 pandemic: A series of cross-sectional surveys (the COVID-19 Rapid Survey of Adherence to Interventions and Responses [CORSAIR] study). BMC Public Health. doi: <https://doi.org/10.1186/s12889-022-12777-x>
- (8) Woodland L., Mowbray F., **Smith L. E.**, Webster R. K., Amlôt R., Rubin G. J. (2022). What influences whether parents recognise COVID-19 symptoms, request a test and self-isolate: A qualitative study. PLOS ONE. <https://doi.org/10.1371/journal.pone.0263537>
- (9) **Smith L. E.**, Potts H. W. W., Amlôt R., Fear N. T., Michie S., Rubin G. J. (2022). Who is engaging with lateral flow testing for COVID-19 in the UK? The COVID-19 Rapid Survey of Adherence to Interventions and Responses (CORSAIR) study. BMJ Open. doi: <http://dx.doi.org/10.1136/bmjopen-2021-058060>
- (10) Cai S., Zhang T., Robin C., Sawyer C., Rice W., **Smith L. E.**, Amlôt R., Rubin G. J., Yardley L., Hickman M., Oliver I., Lambert H. (2022). Learning about COVID-19 across borders: Public health information and adherence among international travellers to the UK. Global Public Health. doi: <https://doi.org/10.1016/j.puhe.2021.11.015>
- (11) **Smith L. E.**, Potts H. W. W., Amlôt R., Fear N.T., Michie S., Rubin G. J. (2022). Worry and behaviour at the start of the COVID-19 outbreak: results from three UK surveys. Prev Med Reports. doi: <https://doi.org/10.1016/j.pmedr.2021.101686>

- (12) **Smith L. E.**, Potts H. W. W., Amlôt R., Fear N. T., Michie S., Rubin G. J. (2022). Tiered restrictions for COVID-19 in England: knowledge and self-reported behaviour. Public Health. doi: <https://doi.org/10.1016/j.puhe.2021.12.016>
- (13) **Smith L. E.**, Potts H. W. W., Amlôt R., Fear N.T., Michie S., Rubin G. J. (2021). Intention to adhere to test, trace, and isolate during the COVID-19 pandemic (the COVID-19 Rapid Survey of Adherence to Interventions and Responses [CORSAIR] study). Br J Health Psychol. <https://doi.org/10.1111/bjhp.12576>
- (14) **Smith L. E.**, Sim J., Amlôt R., Cutts M., Dasch H., Sevdalis N., Rubin G. J., Sherman S. M. (2021). Side-effect expectations from COVID-19 vaccination: findings from a nationally representative cross-sectional survey (CoVAccS – wave 2). J Psychosom Res. <https://doi.org/10.1016/j.jpsychores.2021.110679>
- (15) **Smith L. E.**, Serfioti D., Weston D., Greenberg N., Rubin G.J. (2021). Adherence to protective measures among health care workers in the UK; a cross-sectional study. Emerg Med J. <https://doi.org/10.1136/emered-2021-211454>
- (16) Sherman S. M., Sim J., Cutts M., Dasch H., Amlôt R., Rubin G. J., Sevdalis N., **Smith L. E.** (2021) COVID-19 vaccination acceptability in the UK at the start of the vaccination programme: a nationally representative cross-sectional survey (CoVAccS – wave 2). Public Health. <https://doi.org/10.1016/j.puhe.2021.10.008>
- (17) **Smith L. E.**, Potts H. W. W., Amlôt R., Fear N. T., Michie S., Rubin G. J. (2021) Holding a stigmatising attitude at the start of the COVID-19 outbreak: A cross-sectional survey. Br J Health Psychol. <https://doi.org/10.1111/bjhp.12564>
- (18) Woodland, L., **Smith, L.E.**, Webster, R.K., Amlôt, R., Rubin, A., Wessely, S., Rubin, G.J. (2021) Why did some parents not send their children back to school following school closures during the COVID-19 pandemic: a cross-sectional survey. BMJ Paediatrics Open. <https://doi.org/10.1136/bmjpo-2020-001014>

- (19) Mowbray F., Woodland L., **Smith L. E.**, Amlôt R., Rubin G.J. (2021) Is my cough a cold or covid? A qualitative study of COVID-19 symptom recognition and attitudes towards testing in the UK. *Frontiers in Public Health*. <https://doi.org/10.3389/fpubh.2021.716421>
- (20) **Smith L. E.**, Potts H.W.W., Amlot R., Fear N.T., Michie S., Rubin G.J. (2021). Do members of the public think they should use lateral flow tests or PCR tests when they have COVID-19-like symptoms? The COVID-19 Rapid Survey of Adherence to Interventions and Responses [CORSAIR] study. *Public Health*. <https://doi.org/10.1016/j.puhe.2021.07.023>
- (21) Michie S., Potts H. W. W., West R., Amlôt R., **Smith L. E.**, Fear N. T., Rubin G.J (2021). Factors associated with nonessential workplace attendance during the Covid-19 pandemic in the UK in early 2021: evidence from cross-sectional surveys. *Public Health*. <https://doi.org/10.1016/j.puhe.2021.07.002>
- (22) Sherman S.M., Sim J., Amlôt R., Cutts M., Dasch H., Rubin G.J., Sevdalis N., **Smith L. E.** (2021). Intention to have the seasonal influenza vaccination during the COVID-19 pandemic among eligible adults in the UK. *BMJ Open*. <https://doi.org/10.1136/bmjopen-2021-049369>
- (23) Gnanapragasam S. N., Hodson A., **Smith L. E.**, Greenberg N., Rubin G. J., Wessely S. (2021). COVID-19 Survey Burden for Healthcare Workers: Literature Review and Audit. *Public Health*. <https://doi.org/10.1016/j.puhe.2021.05.006>
- (24) **Smith L. E.**, Potts H.W.W., Amlot R., Fear N.T., Michie S., Rubin G.J. (2021). Improving ventilation in the home to prevent the spread of COVID-19 (the COVID-19 Rapid Survey of Adherence to Interventions and Responses [CORSAIR] study). *Environ Health Insights*. <https://doi.org/10.1177/11786302211015588>
- (25) **Smith L. E.**, Potts H.W.W., Amlot R., Fear N.T., Michie S., Rubin G.J. (2021). Adherence to the test, trace and isolate system: results from a time series of 37 nationally representative surveys in the UK. *BMJ*. <https://doi.org/10.1136/bmj.n608>

- (26) Hodson A., Woodland L., **Smith L. E.**, Rubin G. J. (2021). Parental perceptions of COVID-19-like illness in their children. Public Health. <https://doi.org/10.1016/j.puhe.2021.02.013>
- (27) Zhang T., Robin C., Cai S., Sawyer C., Rice W., **Smith L. E.**, Amlot R., Rubin G. J., Reynolds R., Yardley L., Hickman M., Oliver I., Lambert H. (2021). Public health information on COVID-19 for international travellers: Lessons learned from a mixed-method evaluation. Public Health. <https://doi.org/10.1016/j.puhe.2021.01.028>
- (28) Denford S, Morton K. S., Lambert H., Zhang J., **Smith L. E.**, Rubin G. J., Cai S., Zhang T., Robin C., Lassetter G., Hickman M., Oliver I., Yardley L. (2021). Understanding patterns of adherence to COVID-19 mitigation measures: A qualitative interview study. J Public Health. <https://doi.org/10.1093/pubmed/fdab005>
- (29) Sherman S.M.*, **Smith L. E.***, Sim J., Amlot R., Cutts M., Dasch H., Rubin, G. J., Sevdalis, N. (2020). COVID-19 vaccination intention in the UK: Results from the 'COVID-19 Vaccination Acceptability Study' (CoVAccS), a nationally representative cross-sectional survey. Hum Vaccines Immunother. <https://doi.org/10.1080/21645515.2020.1846397>
(*Joint first authors.)
- (30) **Smith L. E.**, Mottershaw A.L., Egan M., Waller J., Marteau T.M., Rubin G.J. (2020) The impact of believing you have had COVID-19 on behaviour: Cross-sectional survey. PLOS ONE. <https://doi.org/10.1371/journal.pone.0240399>
- (31) **Smith L. E.**, Duffy B., Moxham-Hall V., Strang L., Wessely S., Rubin G.J. (2020). Anger and confrontation during the COVID-19 pandemic; a national cross-sectional survey in the UK. J R Soc Med. <https://doi.org/10.1177/0141076820962068>
- (32) Rubin G.J., **Smith L. E.**, Melendez-Torres G.J., Yardley L. (2020). Improving adherence to 'test, trace and isolate'. J R Soc Med. <https://doi.org/10.1177/0141076820956824>
- (33) **Smith L. E.***, Woodland L.*, Amlôt R., Rubin A., Rubin G.J. (2020). A cross-sectional survey of parental perceptions of COVID-19 related

hygiene measures within schools and adherence to social distancing in journeys to and from school. *BMJ Paediatrics Open*. <https://doi.org/10.1136/bmjpo-2020-000825> (*Joint first author.)

- (34) **Smith, L. E.**, Amlôt, R., Lambert, H., Oliver, I., Robin, C., Yardley, L., Rubin, G.J. (2020). Factors associated with adherence to self-isolation and lockdown measures in the UK: a cross-sectional survey. *Public Health*. <https://doi.org/10.1016/j.puhe.2020.07.024>
- (35) Brooks S. K., **Smith L. E.**, Webster R. K., Weston D., Woodland L., Hall I., Rubin, G. J. (2020). The impact of unplanned school closure on children's social contact: rapid evidence review. *Euro Surveill*. <https://doi.org/10.2807/1560-7917.ES.2020.25.13.2000188>
- (36) Webster R.K., Brooks S. K., **Smith L. E.**, Woodland L., Wessely S., Rubin G.J. (2020). How to improve adherence with quarantine: rapid review of the evidence. *Public Health*. <https://doi.org/10.1016/j.puhe.2020.03.007>
- (37) Brooks S. K., Webster R. K., **Smith L. E.**, Woodland L., Wessely S., Greenberg N., Rubin, G. J. (2020). The psychological impact of quarantine and how to reduce it: rapid review of the evidence. *Lancet*. [https://doi.org/10.1016/S0140-6736\(20\)30460-8](https://doi.org/10.1016/S0140-6736(20)30460-8)

5.2. I have not provided detailed summaries of the articles at this stage as I believe the titles of the articles should assist the Inquiry in determining their relevance.

6: Views as to whether the work of SAGE and / or its related subgroups in responding to the Covid-19 pandemic succeeded in its aims.

6.1. My involvement in SPI-B was limited, due to my junior position and the nature of the work I was carrying out. Therefore, I do not think I can appropriately answer this question.

7: Lessons that can be learned

- 7.1. For reason mentioned in paragraph 6.1 I believe I am not in a position to be able to answer this question. My work focused on analyses and I was not involved in the wider aspects of the work related to Covid-19 pandemic.

8: Documents that I hold

- 8.1. I currently have the following documentation related to my work for SPI-B:
- (1) Emails
 - (2) CORSAIR study data (January 2020 to April 2022)
 - (3) Datasets from polling conducted by the Cabinet Office (March 2020 to March 2022)