



The long term impact of COVID-19 on mental health: comparisons between health record linkage and observed longitudinal data

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Background



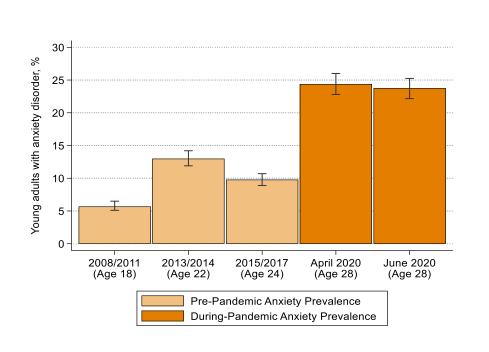
- We have previously shown poorer mental health during COVID-19 in two longitudinal population cohorts
 - Worse for different groups
 - For example: young people, pre-existing mental health or financial concerns
 - Just an initial reaction to an unprecedented event or something more long term?
- Also several reports of a decrease in service use during the pandemic
 - So **higher** rates of poorer mental health but a **decrease** in service use
 - What is happening to those people who are NOT getting help?
 - Why?
 - What are they doing to alleviate symptoms?

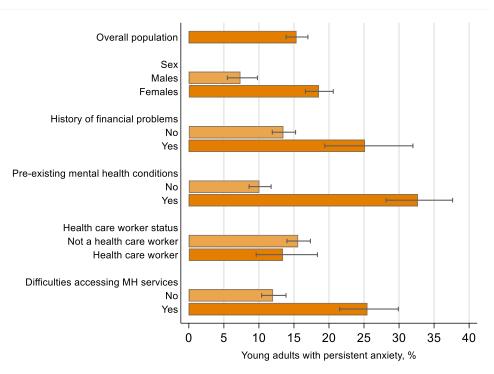




MH longitudinally in young people







<u>Left:</u> Anxiety is much higher across COVID-19 compared to previous waves <u>Right:</u> The number of young people with <u>anxiety</u> at both COVID-19 waves (persistent anxiety) by subgroups





Data



- Avon Longitudinal Study of Parents and Children (ALSPAC)
 - 14,500 families recruited in 1991-1992
 - 3 generations: G0 (original parents) / G1 (offspring) / G2 (offspring of G1)
- All include wealth of longitudinal pre-pandemic data
- COVID-19 Qs developed in collaboration with Wellcome Trust
 - Collected April and July (and now in November)
 - Includes mental health (depression, anxiety and wellbeing)
 - + COVID-19 symptoms, impact of mitigation & lifestyle factors
 - Linkage to health records







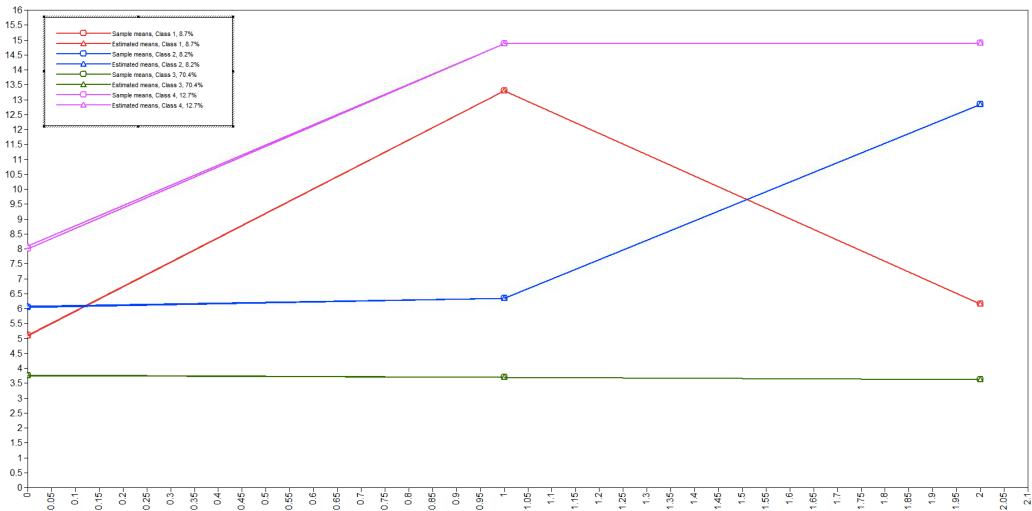
- RQ1: How has mental health and wellbeing changed across the pandemic, and for whom?
 - Establish trajectories of anxiety, depression and mental wellbeing from before the pandemic across three waves of data collection in ALSPAC
 - What factors are associated with worse mental health trajectories during COVID-19?
 - I.e., pre-existing mental health conditions, financial problems, poorer physical health
 - Are these trajectories associated with poorer outcomes at the latest data collection?
 - I.e., social anxiety, poorer relationships, worse physical health





RQ1











- RQ2: How has mental health service use changed during the COVID-19 pandemic?
 - Identify if mental health service patterns have changed during COVID-19 compared to pre-pandemic times
 - I.e., March 2020 November 2020 **VS** March 2019 November 2019
 - Is poorer reported mood related to mental health service use?
 - And if not, why?
 - Is poorer reported mood related to other forms of help?
 - I.e., private counselling, online or smartphone apps
 - Replication in Generation Scotland





Outputs



• RQ1:

- Rapid descriptive reports shared with HDRUK, SAGE and PHE
- Trajectories manuscript
- Further mental health information for secondary data analysis

• RQ2:

- Rapid descriptive reports shared with HDRUK, SAGE and PHE
- Linkage manuscript
- Further access to linkage for a digital health PhD student to expand on
- Health linkage for additional projects using mental health in ALSPAC















Thanks to:

- ALSPAC and GS participants for their responses and time
- ALSPAC and GS study teams
- Wellcome Trust and MRC for core and COVID-19 specific funding
- EBI and Rosetrees for this award

