Mental health of children and young people during pandemic

Deterioration is clearest among families already struggling

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Has covid-19 and the resulting restrictions precipitated an epidemic of mental health conditions among children and young people? Many peer reviewed and non-peer reviewed studies have reported fluctuating mental health and suicide risk during the pandemic, but few focused on children and young people under the age of 18.1 The signal to noise ratio is high and few studies include pre-pandemic measures of mental health. Interpretation of those that do is difficult because of differences in sampling frame, respondent (parent or child), response rates, timing of data collection, and underlying trends in the prevalence of mental health conditions.2 3 Studies of service use are confounded by pandemic related changes in seeking help and in assessment, recognition of mental health conditions, diagnostic practice, and provision of services.1

The mental health of the UK’s children and young people was deteriorating before the pandemic, while health, educational, and social outcomes for children with mental health conditions are worse than for previous cohorts.4 6 Between 2004 and 2017 anxiety, depression, and self-harm increased, particularly among teenage girls.2 Self-harm is an important risk factor for suicide, so it is not surprising that rates of suicide among the UK’s children and young people also increased,8 though numbers remain low compared with other age groups—fewer than 100 people aged under 18 died by suicide each year in England between 2014 and 2016.9

Studies carried out during the pandemic suggest that although some families are coping well, others are facing financial adversity, struggling to home school, and risk experiencing vicious cycles of increasing distress.1 10 11 Probable mental health conditions increased from 10.8% in 2017 to 16% in July 2020 across all age, sex, and ethnic groups according to England’s Mental Health of Children and Young People Survey (MHCYP).12 A self-selected sample of 2673 parents recruited through social media reported deteriorating mental health and increased behavioural problems among children aged 4 to 11 years between March and May 2020 (during lockdown) but reduced emotional symptoms among 11-16 year olds.13 The more socioeconomically deprived respondents had consistently worse mental health in both surveys—a stark warning given that economic recession is expected to increase the numbers of families under financial strain.1 10

Deteriorating mental health is by no means uniform. A sizeable proportion of 19 000 8-18 year olds from 237 English schools surveyed during early summer 2020 reported feeling happier (range 25% to 41% by school year group).13 Similarly, a quarter of young people in the MHCYP survey reported that lockdown had made their life better.15 While there was no overall change in anxiety, depression, or wellbeing among roughly 1000 13-14 year olds in south west England between October 2019 and April 2020, those who were struggling at baseline significantly improved on all three measures.14 Twelve longitudinal studies of adolescents (10 in the US, one the Netherlands, one Peru), with data both before and during the pandemic (follow-up May to September 2020, when mean age was 15.4 years) detected a moderate increase in depressive symptoms.15 Age did not moderate this increase, and those living under lockdown restrictions at the time of follow-up fared worse.

Early data from England’s National Child Mortality Database for 23 March to 17 May 2020 raised concerns about suicides among young people aged under 18 years during the first lockdown,16 although numbers were too small (25 deaths) to be definitive. A more reassuring picture emerged from Japan, where suicide rates in children under 20 years seemed unchanged up to May 2020.17 Although the English database shows the incidence of child suicide has returned to pre-pandemic levels (www.ncmd.info/, personal communication), more recent data from Japan flag a concerning rise in children and adolescents during the second wave and resulting school closures.18

The incidence of self-harm recorded in primary care was substantially lower than expected for 10-17 year olds in April 2020 but returned to pre-pandemic levels by September 2020.19 Similar patterns were detected for all mental health referrals in England,20 with reductions in urgent psychiatric presentations reported across Europe,21 suggesting possible unmet need.

The national referral statistics for eating disorders in England show a doubling in the number of urgent referrals during 2020 and a smaller increase in non-urgent referrals.22 Known triggers for self-harm and poor mental health are aggravated by pandemic restrictions, including separation from friends, arguments with parents, unresolvable arguments on social media, strained finances, academic stress, and feelings of isolation. School closures are particularly difficult for families facing other adversities.12 13 23-25

The evolving consequences of the pandemic are set against longstanding concerns about deteriorating mental health among children and young people, and the inadequacy of service provision. Although children are at lowest risk of death from covid-19, concerning signals remain about the pandemic’s effects on their mental health, which are unevenly
The long term effects also remain uncertain. What we do know is that education has been disrupted and many young people now face an uncertain future. Policy makers must recognise the importance of education to social and mental health outcomes alongside an appropriate focus on employment and economic prospects. As “children are the living message we send to a time we will not see,” we urgently need to improve our efforts to meet their needs and to ensure that this generation is not disproportionately disadvantaged by covid-19.

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18 Tanaka T, Okamoto S. Increase in suicide following an initial decline during the covid-19 pandemic in Japan. Nat Hum Behav 2021;5:229-38. doi: 10.1038/s41562-020-01042-z; p. 33451298
25 Lewis SJ, Munro APS, Smith GD, Pollock AM. Closing schools is not evidence based and harms children. BMJ 2021;372:mm1265. doi: 10.1136/bmj.m1265; p. 33628685