<u>Department</u> of Health & Social Care

Public Health **England** 

Home > Coronavirus (COVID-19) > Health and wellbeing during coronavirus > Education, schooling and health

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Research and analysis

Education, schooling and health summary

Public Health England's (PHE's) COVID-19 response.

Methods **Findings Bibliography** 

Contents

Introduction

Print this page

Introduction

This brief paper aims to summarise the existing evidence of the health and wellbeing

Produced by the Public Health Advice, Guidance and Expertise (PHAGE) function of

• the wider impacts on mental and physical health and wellbeing of being in school • the observed impacts of the loss of education in the last 18 months In doing this it is important to note the distinctions between:

- the health benefits of being educated
- the opportunities to access specific health-related interventions that schools offer this includes personal, social, health and economic education (PHSE), nutrition and
- Methods

benefits of school-age education, including:

The bibliography documents all the sources that have been used and the findings are largely illustrative of the evidence that exists rather than being a definitive summary of that evidence.

addresses these issues and presents the outcomes of some limited literature searches

school and education. Rather, it identifies relatively well-known literature that

### The sources include pre and intra-COVID-19 periods. The latter largely focus on the harms of missing education or school, while the former are more to do with the benefits

on specific elements.

of attending school and of being educated. They include: • academic journals government policy and guidance third sector publications and research

**Findings** 

School attendance and impacts of the COVID pandemic

Some specific examples include:

# France, R. and Vigurs, C., 2021).

School attendance and improved health outcomes

 school closure is associated with reduced access to universal services such as school nursing, and specialist therapy services such as educational psychology and play therapy to children with special educational needs and disability (SEND) (Care Quality Commission and Ofsted, 2020)

• adults with a tertiary education are 16% less likely to smoke, on average, than those with below upper secondary education (Organisation for Economic Co-operation and Development, 2013)

as likely to be obese as those with only below upper secondary education

- Currie C., 2012) • as well as improved individual health outcomes, school attendance provides interpersonal, social and occupational opportunities essential to health and development
- (Feinstein, L., Sabates, R., Anderson, T., Sorhaindo, A., Hammond, C. 2006; The Health Foundation, 2018) • educational attainment is a key determinant of health throughout the life course. As such, "it is important that no child is left behind at the beginning of their school life"
- development. Schools are essential to the development of effective speech and language skills. An EEF survey identified that 97% of participating primary schools' (n=58) staff had concerns about children's speech and language skills as a result of the pandemic (EEF, 2020).

School attendance promotes social integration, civic engagement, and widens social

networks (Feinstein L, Sabates R, Anderson TM, Sorhaindo A, Hammond C, Anderson,

School attendance therefore has a wider impact on skills for future employment (The

## School attendance, mental health and resilience

School attendance for social development

NHS data suggests rates of probable mental health disorders in 5 to 16 year olds have increased, rising from 1 in 9 in 2017 to 1 in 6 in July 2020 (DfE and Spi-B 2020). National child mortality database for England reports deaths by suicide in young people (under 18 years) increased by about 40% during lockdown. There are caveats around

this data with the sample size too small to reach statistical significance (DfE and Spi-B

 pre-adolescent children showed greater deterioration in mental health (Waite et al., 2021) • girls were more likely to experience mental health problems than boys (Raw et al., preprint)

The lifelong and generational impact of education Better education for parents improves health outcomes for children. The 1970s education reforms which increased school leaving age for girls led to a reduction in overweight boys (Nakamura 2012, accessed via Kings Fund).

School attendance provides a host of opportunities for children to develop essential life

### • universal social and emotional learning (SEL) interventions have good evidence of enhancing young people's social and emotional skills and reducing symptoms of depression and anxiety in the short term • there is good evidence that universal and targeted cognitive behavioural therapy

mental health (Clarke et al., 20201) showed that:

to prevent suicide and self-harm

experiencing sexual violence

school closures (NSPCC, 2021).

**Bibliography** 

**Vulnerability** 

with elevated but subclinical symptoms. [footnote 1]

there are fewer 'eyes on the child' when they are not at school.

educational needs and disabilities provision, November 2020

interventions. Early Intervention Foundation.

human behaviour, 2(2), 117-125.

and considerations.

Throughout the last 18 months, all school closures have resulted in reductions in the number of referrals to children's social care. In the first few weeks of March 2021, referrals were 11% lower than the 3-year average for the same time period (DfE,

School closures reduce the visibility of vulnerable children to protective services –

Department for Education (2018). Mental health and behaviour in schools. Department for Education (2020). State of the nation 2020: children and young people's wellbeing.

Department for Education (2021). Vulnerable children and young people survey, April

2021. Vulnerable children and young people survey: summary of returns waves 1 to 22.

Department for Education and SPI-B. The benefits of remaining in education: evidence

Early Intervention Foundation (2021). Adolescent mental health: a systematic review

Education Endowment Programme (2021). 62,000 reception-age pupils in England to

Feinstein, L., Sabates, R., Anderson, T., Sorhaindo, A., Hammond, C. (2006). What are

DELVE. July 2020. Balancing the risks of pupils returning to schools.

on the effectiveness of school based interventions.

take part in early language programme.

the effects of education on health?.

abuse during and after the coronavirus pandemic. Organisation for Economic Co-operation and Development (2013). Education at a glance 2013: highlights.

Pearcey et al. (NIHR) (2020). Young people's mental health during the COVID-19

PHE and Institute of Health Equity (2014). <u>Building children and young people's</u>

Public Health England (2020). What works in schools and colleges to increase physical

Public Health England (2021). Best start in life and beyond – improving public health

National Society for the Protection of Children. Social isolation and the risk of child

Waite et al (2021). How did the mental health of children and adolescents change during early lockdown during the COVID-19 pandemic in the UK?

Check what you need to do

**Brexit** 

exercise-focussed interventions and the wider healthy schools programme

Children from the most deprived backgrounds have experienced the most adverse

impact of the pandemic. It is likely that they will require further support on return to

school. (Moss, G., Alice Bradbury, A., Sinéad Harmey, S., Rosie Mansfield. R., Candy, B.,

 4 more years of schooling is associated with reduced mortality and reduced risk of heart disease and diabetes (Lleras-Muney and Cutler 2006) • people with less education are more likely to be obese, to smoke, and to experience

alcohol-related harm (Department of Health 2008)

active adults (PHE, 2020, Vinert et al, 2021).

(Public Health England, 2015)

2006).

2020).

During school closure:

skills. These include:

feeling empowered and valued

(Health Foundation, 2018)

Health Foundation, 2018).

• sleep patterns and diets have been shown to be worse when children are out of schools (The Delve initiative, 2020). Children in receipt of free school meals are disproportionately impacted adults with tertiary education are likely to live longer than those without, and are half

schools provide opportunities for physical activity, the benefits of which for mental

and physical health are well established. Active children are more likely to become

- improved educational attainment, greater social mobility, fewer co-morbidities and longer life expectancy (Strategic Review of Health Inequalities in England post-2010 (SRHIE), 2010 and Viner, R., Ozer E., Denny S., Marmot M., Resnick M., Fatusi A., and
- Schools provide a wealth of opportunities for essential social and interpersonal
- School attendance can impact on children's mental health. Schools play an important role in supporting the mental health and wellbeing of children (Department for Education (DfE), 2018), and are well-placed to provide interventions to build resilience in children, which is essential to mental health, learning and development (PHE, 2014).

challenges with mental health and wellbeing (Pearcey et al., 2020) it has also been identified that young people who identify as LGBTQ+ and those who were experiencing anxiety before the lockdown may need extra support on return to school (Widnall et al., 2020) • schools are well placed to provide interventions to build resilience in children, which

is essential to mental health, learning and development (PHE, 2014)

young people from low-income families and those with SEND faced particular

- developing supportive social connections accessing good work developing an aptitude for life-long learning and problem-solving
- Schools and specific school-based interventions Schools offer the opportunity to engage with specific health-oriented interventions and

programmes on nutrition, exercise and physical activity, PHSE and mental health. A

systematic review on the effectiveness of school-based interventions on adolescent

 violence prevention interventions have been shown to have a small but positive effect on aggressive behaviour in the short term • there is promising evidence on the effectiveness of interventions designed to reduce sexual violence and harassment when delivered to young people at risk of

prevention interventions tends be stronger when they are targeted at young people

the impact of depression and anxiety prevention interventions and violence

(CBT) interventions are effective in reducing internalising symptoms in young people

there is limited evidence on the effectiveness of school-based interventions designed

Vulnerable children and young people survey, 2021). There has been an increase in the number of referrals linked to domestic abuse and increased complexity of cases.

There are concerns about increased exploitation of vulnerable children, child sexual

Care Quality Commission and Ofsted. COVID-19 series: briefing on special educational

needs and disabilities provision, November 2020. COVID-19 series: briefing on special

Clarke, A., Sorgenfrei, M., Mulcahy, J., Davie, P., Friedrich, C. & McBride, T. (2021).

Davies, N. M., Dickson, M., Davey Smith, G., van den Berg, G. J., & Windmeijer, F.

Adolescent mental health: a systematic review on the effectiveness of school-based

(2018). The causal effects of education on health outcomes in the UK Biobank. Nature

Department for Education (2016). <u>Just one day off can hamper children's life chances</u>.

exploitation, online abuse and increased participation in county lines as a result of

evidence. Moss, G., Bradbury, A., Harmey, S., Mansfield. R., Candy, B., France, R. and Vigurs, C., (2021). Mitigating impacts of the COVID-19 pandemic on primary and lower secondary children during school closures: a rapid evidence review.

Lleras-Muney and Cutler (2006). Education and health: evaluating theories and

outcomes for children, young people and families. Guide 1: background information on commissioning and service model. Strategic Review of Health Inequalities in England post-2010. (2010). Fair society, healthy lives: the Marmot review.

1. Statements taken directly from Clarke et al. (2021) Adolescent mental health: A systematic review on the effectiveness of school-based interventions (Copyright EIF, 2021). 亡

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**Driving and transport** Working, jobs and pensions

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• the health benefits of being in or attending school

This paper does not reflect a systematic review of the literature on the benefits of

This paper does not explore any disbenefits of school attendance.

• school closure is associated with fewer admissions to hospital and ED presentations, and has the potential to impact on routine vaccination coverage (Viner et al, 2021)

higher levels of education are associated with a range of health benefits, including

The King's Fund (n.d.). Healthy schools and pupils. The Health Foundation (2018). How do our education and skills influence our health? Viner RM, Ozer EM, Denny S, Marmot M, Resnick M, Fatusi A, Currie C. Adolescence and the social determinants of health. Lancet. 2012. Apr 28;379 (9826):1641-52. Viner, R; Russell, S; Saulle, R et al (2021). Impacts of school closures on physical and mental health of children and young people: a systematic review.

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Childcare and parenting

Crime, justice and the law

Disabled people

**Coronavirus (COVID-19)** Coronavirus (COVID-19): guidance and support

Services and information Births, deaths, marriages and care

Yes No

pandemic.

activity.

resilience in schools.

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