

See discussions, stats, and author profiles for this publication at: <https://www.researchgate.net/publication/331015316>

Low mood, low grades? Child and adolescent depression and later educational attainment

Poster · February 2019

DOI: 10.13140/RG.2.2.24647.55201

CITATIONS

0

READS

37

4 authors:



[Alice Wickersham](#)

King's College London

4 PUBLICATIONS 5 CITATIONS

[SEE PROFILE](#)



[Johnny M Downs](#)

King's College London

44 PUBLICATIONS 303 CITATIONS

[SEE PROFILE](#)



[Tamsin Jane Ford](#)

University of Exeter

273 PUBLICATIONS 9,584 CITATIONS

[SEE PROFILE](#)



[Robert Stewart](#)

King's College London

591 PUBLICATIONS 13,438 CITATIONS

[SEE PROFILE](#)

Some of the authors of this publication are also working on these related projects:



Children and adolescents with ADHD in transition between children's services and adult services (CATCH-uS) [View project](#)



The Bambui Study [View project](#)

Low mood, low grades?

Child and adolescent depression and later educational attainment

Alice Wickersham, Johnny Downs, Tamsin Ford and Robert Stewart

Background

- In England, 2.1% of children and young people aged 5 to 19 years meet criteria for a depressive disorder (1).
- A meta-analysis found child and adolescent depression to be associated with later failure to complete compulsory education and low grades (2).

- Few community-based longitudinal studies have investigated these issues.

Aim: To investigate the association between child and adolescent depression, educational attainment, and subsequent clinical outcomes.

Data Sources

National Pupil Database

Department for Education

- Sociodemographic characteristics
- Results of academic assessments
- Special educational needs indicators
- School exclusion and absenteeism
- Social care data

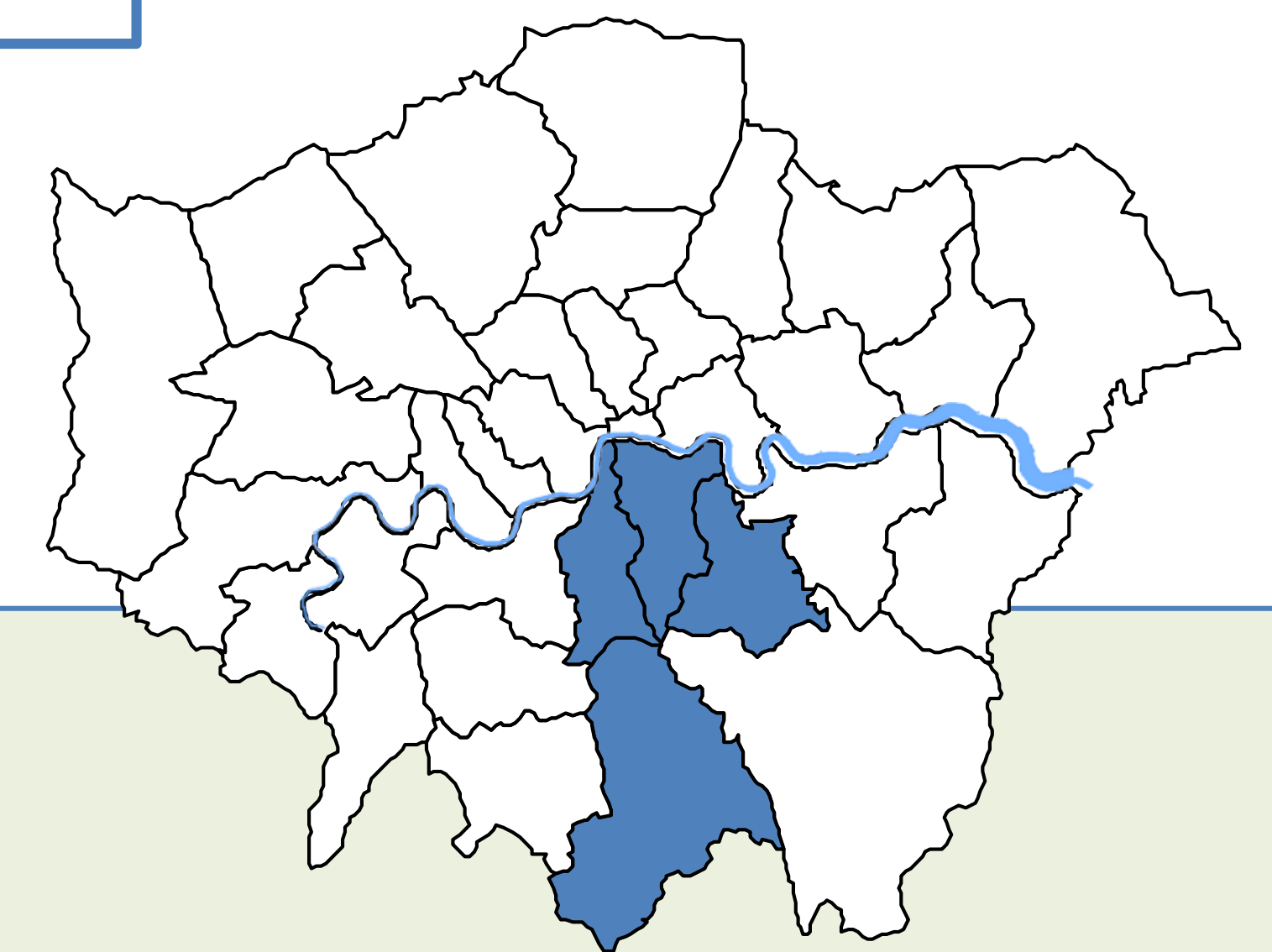
NHS Child and Adolescent Mental Health Services data

Clinical Record Interactive Search system

- ICD-10 psychiatric diagnoses
- Appointments attended
- Routine outcome measures
- Risk assessment details

NPD-CAMHS dataset

A linked and anonymised administrative dataset containing mental health and education data (3,4)



$n=1676$

Number of children and young people in the linked dataset who between 2007 and 2013:

- Were a new referral to Child and Adolescent Mental Health Services
- Received a first diagnosis of depression (ICD-10 code F32)
- Were resident within the SLaM boroughs (Southwark, Lambeth, Lewisham and Croydon)

Planned Studies

Study 1: Does receiving a depression diagnosis at primary school age predict poorer GCSE performance?

- **Analysis:** Logistic regression modelling
- **Main exposure:** Presence or absence of a depression diagnosis at primary school age
- **Main outcome:** Presence or absence of five A* to C grades at GCSE
- **Covariates:** Age and gender

Study 2: Among children who received a depression diagnosis at primary school age, do different educational trajectories emerge over time?

- **Analysis:** Longitudinal trajectory modelling
- **Indicator variable:** Standardised assessment scores at Key Stages 2, 3 and 4
- **Predictor:** Year of assessment score
- **Covariates:** Age and gender

Study 3: Does educational trajectory class membership in turn predict later clinical outcomes among children who received a depression diagnosis at primary school age?

- **Analysis:** Linear regression modelling
- **Main exposure:** Probable educational trajectory class membership
- **Main outcome:** Routine outcome measure scores at age 17
- **Covariates:** Age and gender

References

- (1) Sadler, K., Vizard, T., Ford, T., Goodman, A., Goodman, R., and McManus, S., 2018. Mental Health of Children and Young People in England, 2017.
- (2) Riglin, L., Petrides, K.V., Frederickson, N. and Rice, F., 2014. The relationship between emotional problems and subsequent school attainment: A meta-analysis. *Journal of adolescence*, 37(4), pp.335-346.
- (3) Downs, J., Gilbert, R., Hayes, R.D., Hotopf, M. and Ford, T., 2017. Linking health and education data to plan and evaluate services for children. *Archives of disease in childhood*, 102, pp.599-602.
- (4) Downs, J.M., Stewart, R.J., Epstein, S., Shetty, H., Little, R., Jewell, A., Broadbent, M., Deighton, J., Mostafa, T., Gilbert, R., Hotopf, M.H. and Hayes, R.D., Accepted/In press. An approach to linking education, social care and electronic health records for children and young people in South London: a linkage study of child and adolescent mental health service data. *BMJ Open*.

Corresponding author: Alice Wickersham, Department of Psychological Medicine, King's College London

Email: alice.wickersham@kcl.ac.uk

Map image: Contains Ordnance Survey data © Crown copyright and database rights.

Funding: This poster represents independent research funded by the National Institute for Health Research (NIHR) Biomedical Research Centre at South London and Maudsley NHS Foundation Trust and King's College London. The views expressed are those of the authors and not necessarily those of the NHS, the NIHR or the Department of Health and Social Care.