Associations between parental mental health and other family factors and healthcare utilisation among children and young people: a retrospective, cross-sectional study of linked healthcare data

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ABSTRACT

Objective To identify the degree to which parental diagnosis of depression or other long-term conditions, parental health-seeking behaviours and household factors were associated with a healthcare utilisation among children and young people (CYP) (0–15 years).

Design Retrospective, cross-sectional study of electronic health records, from 25 252 patients registered at a large, London-based primary care provider. The associations between children’s healthcare utilisation and the characteristics of the child, their parents/carers and their household structure were examined using multivariable regression.

Results Controlling for parental utilisation, parental depression (vs not) was significantly associated with increased healthcare utilisation for CYP. Odds ratios for CYP with siblings: 1.41 (95% CI 1.10 to 1.80) for emergency department (ED) attendances, 1.67 (95% CI 1.32 to 2.11) for outpatient appointments, 1.47 (95% CI 1.07 to 2.03) for inpatient admission, and rate ratio = 1.28 (95% CI 1.04 to 1.78) for general practitioner (GP) consultations. After adjusting for child and parental characteristics, parental general practice attendance (+1 from mean) was predictive of increased CYP general practice attendance, rate ratio 1.07 (95% CI 1.06 to 1.08) for CYP with siblings. Parental ED attendance also increased the risk of CYP ED attendance, with OR 1.27 (95% CI 1.12 to 1.44) for CYP with siblings.

Conclusions Parental depression is associated with increased utilisation of ED, outpatient and inpatient services by CYP, as well as with increased GP consultations among adolescents. Our results demonstrate that healthcare utilisation by CYP is associated with the health-seeking behaviour of adults in their household.

INTRODUCTION

The rising rates of emergency department attendance and inpatient admissions in children and young people in England¹ are of concern to clinicians and policy makers. While much emergency and inpatient care is often an appropriate form of treatment, increasing rates of care in an acute setting results in high and potentially avoidable spending. There are also wider opportunity costs, such as scarce skilled paediatric staff being based in hospitals delivering acute care, rather than in community settings delivering preventive care and health promotion.

Numerous studies have shown that interventions and new models of care have significant potential to reduce demand for emergency department attendance.²-⁴ However, it has proved difficult to realise these reductions in practice, which may reflect lack of research...
or interventions to address wider determinants of healthcare seeking behaviour among children.

While there has been extensive research into the role that health inequalities play in healthcare activity and into system-level factors that influence emergency admissions, there has been little consideration as to the influence that family context might play on the healthcare utilisation of children. There is some evidence that family context may have an important role influencing the healthcare utilisation and needs of their children, through the availability of knowledge, skills, social support and health-seeking behaviour and preferences. Poor parental mental health is associated with negative health outcomes for children, and parental anxiety is a contributing factor to a child’s utilisation of healthcare services. Furthermore, shared genetic risks and the wider social determinants in the household could account for a clustering of health behaviours in households. However, there has been surprisingly little focus on family context and the role this plays on child healthcare activity.

A large portion of the evidence regarding the impact of parental health on children’s healthcare utilisation comes from small, retrospective studies, relying on self-reported health and care information, and survey data where parents report their previous healthcare utilisation. Few studies have used person-level data from electronic health records in primary care. Previous studies failed to account for all aspects of parental health, with some focusing on specific long-term conditions or only examining one parent. Furthermore, there is limited evidence from countries with healthcare systems that are free at the point of use and offer universal coverage, as most analyses originate from the insurance-based US system.

In this paper, we analyse electronic health records from 25,252 patients registered at a primary care provider in London. We created household groups by identifying patients living at the same address, and then modelled the impact of parental healthcare utilisation and long-term conditions on four types of children’s healthcare utilisation (emergency practice appointments, emergency department attendance, inpatient admissions and outpatient appointments), controlling for child, parental and household characteristics.

METHODS
Study setting, dataset, inclusion and exclusion criteria
Our dataset contained electronic health records from 25,252 patients registered (as of September 2015) at a multisite general practice, in the borough of Greenwich, South East London. The records included patient demographic information, previous long-term condition diagnoses, a neighbourhood indicator and a unique household identifier. Long-term conditions were identified from the general practitioner (GP) record using Quality and Outcomes Framework (QOF) read codes; these included arterial fibrillation, asthma, cancer, chronic heart disease, chronic kidney disease, chronic obstructive pulmonary disease, dementia, depression and/or anxiety, diabetes, epilepsy, heart failure, hypertension, a learning disability, a mental health condition (schizophrenia, bipolar affective disorder and other psychoses), osteoarthritis, osteoporosis, peripheral artery disease, palliative care, rheumatoid arthritis and stroke or transient ischaemic attack.

Full details of the date and type of general practice appointments were available. Utilisation counts of secondary care services (emergency department attendances, inpatient admissions and outpatient appointments) were also available; these secondary care data were reported to the general practice by secondary care providers, and then recorded on patient electronic health records by well-trained coders.

We extracted information on the healthcare utilisation of all patients from 22 September 2015 to 21 September 2016. Patients living at the same address were identified using the unique household identifier. We defined ‘children and young people’ (CYP) as patients under the age of 16 years, and ‘parents’ as patients aged 18–55 years. Our cohort of interest were all children and parents in households with at least one CYP and one ‘parent’ where a ‘parent’ is any parent, carer or adult living in the household. Patients aged 16 and 17 years were excluded from this analysis. Furthermore, any person living at the same address that was not registered at the general practice was not included in this analysis.

Outcomes
Four different outcomes were investigated relating to CYP’s utilisation of healthcare services in primary and secondary care over the year: the number of general practice appointments, and any emergency department attendance, inpatient admission and outpatient appointment.

Covariates
The observed CYP characteristics were age, sex, socioeconomic deprivation and diagnosis of any long-term conditions using Quality and Outcomes Framework (QOF) read codes. We categorised age into three groups: ‘0–5’, ‘6–10’ and ‘11–15’. To determine a CYP’s socioeconomic status, we used the neighbourhood indicator associated with their household’s address and ranked the 2010 index of multiple deprivation scores to produce five quintiles (with 1 being the most deprived and 5 the least). An indicator variable was used to show whether a CYP had any long-term conditions present on their electronic health record, which were assigned from clinical notes by clinical coders at the practice.

Parental characteristics were mean age, mean count of healthcare utilisation and presence of long-term conditions; these variables were all calculated at the household level, using information from all parents.
To avoid data sparsity issues, only common long-term conditions which were present in the parents of at least 50 CYP were reported on and used in our model. For each CYP healthcare utilisation outcome modelled, the appropriate mean parental healthcare utilisation variable was included in the model.

Household characteristics included the number of adults aged 18–55 years (‘1’ or ‘2+’), the number of CYP aged 0–15 years, the presence of any patient aged 65 years and over and the total number of patients in the household.

Statistical methods
Adjusting for CYP characteristics, parental long-term conditions and mean parental healthcare utilisation, we used multivariable generalised linear models to examine the association between CYP healthcare utilisation and the characteristics of the CYP, their parents and their household structure, including clustering of behaviour among CYP with siblings. Rate and Odds Ratios (ORs) were produced to interpret the results. Further details on statistical methods used can be found in online supplementary appendix 1.

Subgroup analysis
To examine the different effects of the covariates across different age groups, a subgroup analysis was performed. The model was run on three different subgroups of CYP, the first only included those aged 5 years or younger, the second only included those between aged 6 and 10 years and the third included those aged between 11 and 15 years.

Sensitivity analysis
We performed two sensitivity analyses. The first restricted our analysis to examining the impact of characteristics of female adults in the household, in order to see whether maternal rather than parental health has different associations with CYP health. Finally, we increased the thresholds for our secondary care outcomes to at least two instances of use to determine whether the model is robust at higher levels of utilisation and to determine whether there were any notable changes (including statistically significant changes) in the results.

Ethics statement
 Routinely collected, retrospective, pseudonymised data were used for this analysis, with a data sharing agreement approved by the Valentine Health data holders. Data were analysed as part of an audit and quality improvement initiative with Valentine Health. No further ethics approval was required.

RESULTS
There were 6738 CYP (aged 0–15 years) in the dataset; 614 did not live with an adult (aged 18–55 years) leaving 6124 CYP in our cohort living in 3373 households. Where a CYP was identified as living with no adult, based on the opinion of the practice staff, we assumed the adults were registered at other practices. Forty-one per cent (2485) of the CYP lived in households with one potential parent, 41% (2503) with two and 19% (1136) with three or more adults between 18 and 55. Seventy-four per cent (4519) CYP had siblings and 26% (1605) CYP did not. The most common parental long-term condition was depression (depression and/or anxiety), with 16% (980) of CYP having a diagnosed parent (see table 1).

A full description of the characteristics of the CYP cohort is provided in supplementary appendix 2–4. Seventy-four per cent (4510) of CYP had at least one general practice appointment, and the mean number of appointments was 2.7 (SD 3.3). In the study year, 20% (1203) of CYP had an emergency department attendance, 9% (562) an inpatient admission and 18% (1114) an outpatient appointment (see online supplementary appendix 3). Six per cent (395) of CYP had at least one long-term condition (see online supplementary appendix 3).

Characteristics for children with siblings are not notably different to characteristics of children without siblings, and results from modelling CYP with siblings and CYP without siblings were consistent. For the purposes of brevity, only results for CYP with siblings are reported on here, but results for CYP without siblings are available as supplementary material. The best fitting models for each outcome of interest, including inpatient admissions and outpatient appointments, are given in online supplementary appendix 5.

When controlling for the characteristics of CYP only (model 1), we found that being older and not having any long-term condition diagnoses was significantly associated with reduced utilisation of all four types of healthcare (p<0.01) (see tables 2 and 3, and online supplementary appendix 6).

Controlling for other CYP and parental characteristics (model 2), parental healthcare utilisation was associated with increased CYP healthcare utilisation across all four healthcare services: general practice rate ratio: 1.07 (95% CI 1.06 to 1.08); emergency department attendance OR: 1.27 (95% CI 1.12 to 1.44); inpatient admission OR: 1.43 (95% CI 1.06 to 1.93); and outpatient appointment OR: 1.08 (95% CI 1.01 to 1.15). For example, a one point increase in parental emergency department utilisation is associated with a 27% increased odds of child emergency department attendance. Parental depression (vs not) was positively associated for all secondary care utilisation, with OR for emergency department attendance 1.41 (95% CI 1.10 to 1.80), inpatient admissions 1.47 (95% CI 1.07 to 2.03) and outpatient appointments 1.67 (95% CI 1.32 to 2.11). A parental diagnosis of osteoarthritis was positively associated with increased attendance at general practice, rate ratio of 1.24 (95% CI 1.01 to 1.52) (see tables 2 and 3, and online supplementary appendix 7).

In CYP aged 11–15 years, the association between parental depression and general practice utilisation was significant and stronger than in the younger age groups (rate ratio: 1.28 (96% CI 1.04 to 1.57)). A similar
<table>
<thead>
<tr>
<th>Table 1</th>
<th>Children’s parents’ and household’s characteristics by healthcare utilisation, mean value (SD) or count (percentage (%))</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of general practice appointments per child per year</td>
</tr>
<tr>
<td></td>
<td>0 (n=1614)</td>
</tr>
<tr>
<td>Parent with asthma, n (%)</td>
<td>125 (8)</td>
</tr>
<tr>
<td>Parent with depression, n (%)</td>
<td>222 (14)</td>
</tr>
<tr>
<td>Parent with diabetes, n (%)</td>
<td>112 (7)</td>
</tr>
<tr>
<td>Parent with epilepsy, n (%)</td>
<td>15 (1)</td>
</tr>
<tr>
<td>Parent with hypertension, n (%)</td>
<td>249 (15)</td>
</tr>
<tr>
<td>Parent with an acute mental health condition*, n (%)</td>
<td>23 (1)</td>
</tr>
<tr>
<td>Parent with osteoarthritis, n (%)</td>
<td>62 (4)</td>
</tr>
<tr>
<td>Mean parent long-term conditions, n (SD)</td>
<td>0.3 (0.5)</td>
</tr>
<tr>
<td>Mean parent general practice appointments, n (SD)</td>
<td>2.9 (4.5)</td>
</tr>
<tr>
<td>Mean parent emergency department attendances, n (SD)</td>
<td>0.2 (0.6)</td>
</tr>
<tr>
<td>Mean parent inpatient admissions, n (SD)</td>
<td>0.1 (0.3)</td>
</tr>
<tr>
<td>Mean parent outpatient appointments, n (SD)</td>
<td>0.5 (1.2)</td>
</tr>
<tr>
<td>Mean parent age, n (SD)</td>
<td>36.8 (6.4)</td>
</tr>
<tr>
<td>Number of parents (aged 18–55 years) band, n (%)</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>656 (41)</td>
</tr>
<tr>
<td>2</td>
<td>629 (39)</td>
</tr>
<tr>
<td>3+</td>
<td>329 (20)</td>
</tr>
<tr>
<td>Siblings (%)</td>
<td>1253 (78)</td>
</tr>
<tr>
<td>Number of siblings, n (SD)</td>
<td>2.5 (1.3)</td>
</tr>
<tr>
<td>Number of people in the household, n (SD)</td>
<td>4.7 (1.9)</td>
</tr>
</tbody>
</table>

Note: percentages may not sum to 100% due to rounding.

* An acute mental health condition is defined as schizophrenia, bipolar affective disorder and other psychoses.
trend can be seen in outpatient utilisation with OR 2.13 (95% CI 1.38 to 3.27) for children aged 11–15 years (see online supplementary appendix 7). Although not significant, the same trend can be seen for emergency department attendances. The association between osteoarthritis and general practice appointments was consistent with the main results; however, the subgroup analysis did not inform any specific trends as the sample size of the subgroup by age was too small. Further research is needed to understand what is driving the association between osteoarthritis and general practice utilisation. Samples size was too small to conduct a subgroup analysis for CYP without siblings.

Our findings from the sensitivity analyses, which included restricting parental characteristics to maternal characteristics only, and increasing the thresholds for our secondary care outcomes, were consistent with our main results (see supplementary appendix 8 and 9).

**DISCUSSION**

Parental depression was associated with a statistically significant increase in secondary care utilisation. We also found that parental and CYP healthcare utilisation were associated in both primary and secondary care.

The mechanism behind this association is complex, bidirectional and likely to be a combination of factors, including increased parental perception of vulnerability of the CYP, recognising a need for medical support from the health system, a lack of social support and underlying patterns of parental behaviour. For example, parental anxiety is well recognised as a contributing factor in healthcare-seeking behaviour, especially for young children. However, parental depression may also be a consequence of prolonged illness in a child. For parents with depression, our findings highlight the wider impact mental health conditions have on outcomes for families and paediatric care and the potential benefits to those suffering from depression from proposed increased investment in mental health services.

To our knowledge, there have only been two studies examining the general healthcare utilisation of CYP in relation to their parents in the National Health Service; one of which was quantitative which found that living with an adult with a mental health condition was associated with a 17% increase in emergency admissions.

Our results are consistent with findings from previous international studies, with one paper finding that parental depression was associated with between a 15%
and 35% increase in emergency department attendances for children. In contrast, studies that examined both parental healthcare utilisation and self-reported measures of parental health have found that parental health is not associated with child healthcare utilisation.

This study has a number of strengths. We analysed the electronic health records of all registered patients at a large general practice and did not rely on self-reported healthcare utilisation. As the practice provides care to all residents in the local area and is free at the point of use, it provides a unique insight into family and community structures within its catchment area. The completeness of our sample means that we were properly able to account for those registered with the practice and accurately include parental diagnoses of long-term conditions, as well as accurately account for healthcare utilisation. We also benefited from being able to analyse all children in a household at the same time, taking account of clustering at the household level in order to more accurately examine the impact of parental health.

A number of limitations of this study should be noted. Patients are all registered at, and live in the proximity of, one general practice in South East London, and there may be area-level effects or specific policies at this general practice that influence patient behaviour. As a result, this cohort may not be representative of the general population. This impacts the generalisability of these results to other areas across the country. The sample size limited our ability to perform subgroup and sensitivity analyses and to detect significance of parental conditions in models of families with no siblings. We classified all patients living at a single address as families and as being either a parent or a child; however, there may be multiple families at a single address or unrelated people that are included in the analysis. The number of parental long-term conditions across households is low due to the sample size, which reduces the power of our models. As a result, conditions, which may be significant in predicting healthcare utilisation in CYP, may not be identified. Secondary care data were reported to the general practice by secondary care providers; there is a risk that some secondary care utilisation is unreported. Furthermore, although the dataset was comprehensive, there are several factors that were not available, including social support, either through grandparents or other family living in the area but not living in the household or through more formal structures. Each of these factors may influence both healthcare utilisation and children’s health outcomes. Finally, we were only aware of patients registered at the practice, so our households may be missing people who live there that are not registered or

<table>
<thead>
<tr>
<th>Child characteristics</th>
<th>Model 1 OR (95% CI)</th>
<th>P values</th>
<th>Model 2 OR (95% CI)</th>
<th>P values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child age band (vs 0 to 5)</td>
<td></td>
<td></td>
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<tr>
<td>6–10</td>
<td>0.18 (0.14 to 0.22)</td>
<td>&lt;0.001</td>
<td>0.18 (0.14 to 0.22)</td>
<td>&lt;0.001</td>
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<tr>
<td>11–15</td>
<td>0.19 (0.15 to 0.25)</td>
<td>&lt;0.001</td>
<td>0.19 (0.15 to 0.25)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Child female (vs male)</td>
<td>0.75 (0.63 to 0.89)</td>
<td>0.001</td>
<td>0.74 (0.62 to 0.88)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Child Index of Multiple Deprivation (IMD) quintile (vs 1)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2</td>
<td>1.02 (0.77 to 1.37)</td>
<td>0.672</td>
<td>1.06 (0.79 to 1.41)</td>
<td>0.671</td>
</tr>
<tr>
<td>3</td>
<td>0.91 (0.67 to 1.23)</td>
<td>0.521</td>
<td>0.95 (0.70 to 1.29)</td>
<td>0.498</td>
</tr>
<tr>
<td>4</td>
<td>0.96 (0.71 to 1.30)</td>
<td>0.791</td>
<td>0.99 (0.73 to 1.34)</td>
<td>0.749</td>
</tr>
<tr>
<td>5</td>
<td>1.05 (0.78 to 1.41)</td>
<td>0.766</td>
<td>1.07 (0.80 to 1.45)</td>
<td>0.135</td>
</tr>
<tr>
<td>Child long-term condition (vs not)</td>
<td>2.64 (1.88 to 3.71)</td>
<td>&lt;0.001</td>
<td>2.58 (1.84 to 3.63)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Parent characteristics</td>
<td></td>
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<tr>
<td>Parent with asthma (vs not)</td>
<td>-</td>
<td>-</td>
<td>0.95 (0.68 to 1.31)</td>
<td>0.741</td>
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<tr>
<td>Parent with depression (vs not)</td>
<td>-</td>
<td>-</td>
<td>1.41 (1.10 to 1.80)</td>
<td>0.007</td>
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<tr>
<td>Parent with diabetes (vs not)</td>
<td>-</td>
<td>-</td>
<td>0.97 (0.64 to 1.46)</td>
<td>0.872</td>
</tr>
<tr>
<td>Parent with epilepsy (vs not)</td>
<td>-</td>
<td>-</td>
<td>1.17 (0.48 to 2.85)</td>
<td>0.728</td>
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<tr>
<td>Parent with hypertension (vs not)</td>
<td>-</td>
<td>-</td>
<td>0.86 (0.64 to 1.15)</td>
<td>0.310</td>
</tr>
<tr>
<td>Parent with a mental health condition (vs not)</td>
<td>-</td>
<td>-</td>
<td>0.67 (0.31 to 1.46)</td>
<td>0.319</td>
</tr>
<tr>
<td>Parent with osteoarthritis (vs not)</td>
<td>-</td>
<td>-</td>
<td>0.95 (0.56 to 1.62)</td>
<td>0.860</td>
</tr>
<tr>
<td>Parent emergency department attendance</td>
<td>-</td>
<td>-</td>
<td>1.27 (1.12 to 1.44)</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

Models first control for just child characteristics (model 1), and then both child and parent characteristics (model 2).
are registered at another practice. While we would expect all CYP to be registered at a general practice, and CYP in the same household to be registered at the same practice as their parents, we could be missing parents, especially those with no long-term conditions or healthcare utilisation and families with parental disharmony where parents live in different areas.

Our research demonstrates the utility of the household linkage and its clinical relevance; further research is needed on a fully linked dataset across the health economy, which also contained information on household structure (including but not limited to a maternal link).

Parental long-term conditions are a predictor of CYP utilisation of secondary healthcare services, in particular parental depression is a predictor of emergency admissions for CYP. The results presented in this paper suggest that a holistic assessment of family needs, particularly parental mental health and social support, may be an effective approach to improving the health and well-being of CYP. A number of studies have provided evidence of the benefits of integrated care on meeting patient needs and managing the demand for healthcare services.\(^6\) \(^33\) \(^34\) Innovative models of integrated care, such as Connecting Care for Children, \(^33\) may be able to facilitate family appointments that allow for an authoritative diagnosis or reassurance about the child’s medical needs, while taking account of parental health and family needs. Strong primary and social care provision for a whole family could provide efficacious and efficient care, increasing equity in health outcomes for children.

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Contributors SRD and RAPW conceived the study. SRD and RAPW designed the statistical analysis plan. RR prepared the data extract. KD and RAPW carried out the analysis. All authors drafted and finalised the paper.

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Disclaimer The funding body had no role in the design of the study; collection, analysis or interpretation of data; writing the manuscript; or decision to submit.

Competing interests None declared.

Patient consent Not required.

Ethics approval This study meets national guidelines set out by the Research Ethics Service for the National Health Service in England.

Provenance and peer review Not commissioned; externally peer reviewed.

Data sharing statement The data that support the findings of this study are available from Valentine Health but restrictions apply to the availability of these data, which were used under a data sharing agreement for the current study, and so are not publicly available. Data are, however, available from the authors on reasonable request and with permission of Valentine Health.

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REFERENCES


Parental depression linked to kids' increased use of health services

Odds of emergency care use rose by 41 percent in these circumstances

Parental ill health, especially depression, is linked to heightened use of health services, including emergency care, among their children, finds research published today in the online journal BMJ Paediatrics Open.

Family context may be an influential driver of healthcare needs and use, suggest the researchers.

Survey data have pointed to a link between parents' use of health services and patterns of use among their children. To explore this issue further, the researchers reviewed the electronic health records of more than 25,000 patients registered with one family doctor (GP) practice in London, covering a period of 12 months.

They created 'household' groups of patients living at the same address and then calculated the impact of parents' long term conditions and use of health services on their children's health seeking behaviour in four domains of care: GP appointments; emergency department attendance; hospital admissions; and outpatient appointments.

The children were divided into three age groups: 0-5; 6-10; and 11-15, and potentially influential factors, such as deprivation levels, derived from postcode; parental age; and gender were taken into account.

Some 6738 children up to the age of 15, living in 3373 households with parents aged 18-55 were included in the final analysis. Nearly 2500 (41%) children lived in a single parent household; the same proportion lived with two parents; and nearly one in five (19%) lived with three or more adults.

The most common long term condition their parents had was depression. Nearly 1000 (16%) children had a parent who had been diagnosed with this.

After taking account of parents’ use of healthcare, the analysis showed that parental depression was associated with increased odds of a child’s use of health services.

The odds of attendance at an emergency department rose by 41 percent; while odds of admission to hospital and an outpatient appointment rose by 47 percent and 67 percent, respectively. And the risk of a GP appointment rose by 28 percent.

Parental GP consultations were associated with a 7 percent greater risk of the child seeing the GP as well, while the parent’s attendance at an emergency care department was associated with 27 percent greater odds of the child also seeking emergency care.

This is an observational study, and as such, can’t establish cause. What's more, given that the study focused on one general practice, the findings might not readily apply elsewhere, say the researchers. Nor was it possible to assess the degree of social support these families had from relatives, such as grandparents, who didn’t live in the same household.

But there are several possible explanations for the findings, they suggest, including parents' perception that their children might be more susceptible to health problems, or that parental depression might be a consequence of prolonged illness in a child.

“The results presented in this paper suggest that a holistic assessment of family needs, particularly parental mental health and social support, may be an effective approach to improving the health and wellbeing of children and young people," they conclude.