



FIG 2—The probability of having at least one, two, etc. visits within a certain time period. (The smallest values are at the top.)

(national average 15%), it has to be said that communications are good and it is relatively easy to get to surgery. The rates would obviously be much higher in a rural area or with an elderly population. Note, incidentally, that for three days out of five 1

can expect no new visits. Fig 2 shows why. The horizontal axis is the average daily visit rate. The vertical axis is the probability of the event occurring. The curved diagonal lines represent the probability of having at least one, two, three, or more visits. My own average visiting rate is 1.2 a day, and this is represented by the dotted vertical line. Going back to the practice with four new visits a day, assuming a very generous 30 minutes a visit, they have allocated themselves enough time for 10 a day. This is an event which is probably not going to occur as often as once in four years.

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Practice Research

Mental illness in inner London

CONRAD M HARRIS

Abstract

From the perspective of general practice, hospital data indicating that the prevalence of mental illness is much higher in inner London than elsewhere in Britain may be misleading. A study in five inner London practices found morbidity patterns for mental disorder similar to those recorded in a national survey.

Introduction

Figures from sources outside general practice, such as hospital and other data quoted in *A Survey of Primary Care in London*,

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indicate that the prevalence of mental illness is much greater in inner London than in other parts of the United Kingdom, for example, high rates of suicide, addiction to narcotics, and admission to mental hospital. It is safe to assume, therefore, that in inner London general practitioners' experience of looking after the mentally ill is very different from that of general practitioners elsewhere?

Methods and results

Five practices located in Kensington, Chelsea, and Westminster in Camden and Islington collaborated with the department of general practice of St Mary's Hospital Medical School from 1979 to 1981 to collect data about all their patients and consultations. The data used here relate to 1980, and at the midpoint of the year the practices had 32 524 registered patients. As expected in this part of London, the proportion of young adults and the ratio of women to men were both very high; consultations rates and patients' consulting rates have therefore been directly standardised to the population of England and Wales for 1981 to facilitate comparisons with other sources of data, the calculations being based on five year age groups for men and women. Up to two diagnoses could be recorded at each consultation; they were made without agreed criteria and coded according to the ninth

Data relating to mental disorders: five inner London practices (1980) compared with the second National Morbidity Study (1979-81) (NMS2)

	Anxiety		Depression		Schizophrenia		Alcohol dependence and drug dependence	
	Study population NMS2	Study population NMS2	Study population NMS2	Study population NMS2	Study population NMS2	Study population NMS2	Study population NMS2	
Consultations/1000 patients	238*	208	63*	73	94*	105	15*	8.4
No. of consultations as % of total	10	12	2.5	3.5	2.0	2.8	0.4	0.21
No. of individuals consulting/1000 patients	96*	110	41*	34	41*	36	5*	1.4

* Standardised to population of England and Wales, 1981.

revision of the International Classification of Diseases (ICD).¹ There were 80 893 consultations, including 3674 with temporary residents; 101 277 diagnoses were recorded, and 20 818 individuals consulted at least once. Of the 7966 consultations for mental disorder, 448 were with temporary residents.

Discussion

There are inherent problems in comparing the two sets of data. Neither study laid down firm criteria for diagnosis, and diagnostic fashion may well have changed during a decade. Some combining of data has been required to equate the headings of the eighth revision of the International Classification of Diseases used for the national study with those of the ninth revision. The overall annual consultation rate of the London practices was only 2.5 per patient, even with temporary residents added to the numerator, whereas that of the national sample was 3.0. The London doctors could record two diagnoses for each patient, and did so in a quarter of their consultations, but the doctors of the earlier survey were allowed only one. Despite these problems, the similarity of the two sets of data for mental disorder as a whole suggests that comparisons may still be valid. The most striking feature of the data is that anxiety and depression are found with roughly equal frequency in the two

surveys, but the figures for schizophrenia and for alcohol and drug dependence are very much higher in London. Though there is little doubt that the difference is a true one, these three conditions are not common enough to affect the overall pattern of morbidity greatly: anxiety and depression account for about two thirds of the mental illness in both samples.

Since the figures from the five practices are closely similar overall to those of the practices in the national study it seems fair to conclude that data which demonstrate a much greater psychiatric morbidity in London are misleading in the context of general practice.

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Child consultation patterns in general practice comparing "high" and "low" consulting families

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Abstract

All children's consultations with their general practitioner over a 12 month period in a small urban practice were analysed. Overall consultation rates ranged from 2.2 per child a year for 8 to 11 year olds, to 6.8 for those under 2. Families were grouped according to their average rate

of new consultations for children, standardised for age. Families with higher consulting rates scored higher on an index of economic disadvantage, with mothers who scored higher on a test of "tendency to consult" and who were less educated than those in lower consulting families. The presence of any doctor-defined "significant disease" in any child was highly correlated with the family's consultation rate.

Introduction

"Illness behaviour": the processes by which symptoms are differentially perceived, evaluated, and acted on, is the normal antecedent to the act of consulting a doctor, particularly the general practitioner. Thus it has been shown that parents of

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children who show any signs of illness go through a complex process of decision making, which includes reference to past experience, the advice of others, and the estimation of risk, cost, and likely benefits.¹

Blaxter and Patterson, in a detailed study of families in social classes IV and V in Aberdeen, showed that families who were more disadvantaged (in social and economic terms) were more likely to consult less than other families, and they suggested that the mothers might both perceive illness in their children less readily and also consult less readily.² Collins and Klein reanalysed data in the General Household Survey and concluded that there was no evidence for "over usage" of general practice by people in poorer socioeconomic groups, and that the reverse might be true.³

The consultation patterns of children differ from adults in apparent social gradients, and other evidence suggests that the "rules" applied to the decision to consult are different for adults and children,⁴ so we decided to study the consultation patterns of children in a small urban general practice to identify socioeconomic factors that might be associated. The aim of the study was to relate children's consultation patterns to social factors and to attitudes expressed by mothers about their children's health.

Method

A long established single handed Dundee practice, based in the doctor's house, was taken over by the university department of general practice in 1977 and after two years in separate premises it moved to a new health centre with two larger practices. During the study period (1982-3) three established practitioners (members of the department) and a trainee worked in the practice, which had a list size of just under 2000 patients. Out of hours calls were covered by a rota with the other six doctors in the health centre. One casualty department serves the whole of the city and sends carbox copies of all attendance records to the patient's general practitioner.

All families with children under 12 years were invited by letter to be included in the study. Of 120 families, only one refused to take part. Three were excluded because the mother was not registered with the practice, and three moved away during the study.

CONTACT RECORDING

All face to face contacts with doctors were recorded on contact sheets, noting the type of contact (doctor or patient initiated), and at home, in surgery, or in a baby clinic), and up to three problem statements. Doctors were asked to record only sufficient details appropriate to the circumstances, such as symptom, syndrome, or cause of disorder or illness, if known. Casualty attendances were recorded from the duplicate hospital notes, routinely sent after each attendance. The problem statements were coded according to the International Classification of Health Problems in Primary Care.⁵

Results

The problems that had been recorded on contact sheets were classified into the main ICD (International Classification of Diseases) groups and further amalgamated when numbers were small. Table I relates to contacts initiated by the family, usually the mother, and table II to contacts initiated by the doctor or health authority (in the case of immunisation and screening). All such preventive work was done by the practice for all families on the list. There is a clear gradient in overall contact rates, most contacts initiated by patients showing the same trend, but only prevention in the doctor initiated category.

TABLE I—Distribution by age and problem category of 502 contacts initiated by patients during the study year (rates per child in parentheses)

ICD group	Age group (years)			
	Under 2 (n=36)	2-4 (n=48)	5-7 (n=42)	8-11 (n=54)
I Infections	28 (0.7)	17 (0.4)	13 (0.3)	16 (0.3)
II Mental and sense organs	6 (0.2)	17 (0.4)	16 (0.4)	9 (0.2)
III Respiratory	15 (0.4)	12 (0.3)	7 (0.2)	10 (0.1)
XIV Skin	15 (0.4)	11 (0.3)	7 (0.2)	10 (0.1)
XV Sensory organs, and all defined conditions	15 (0.4)	11 (0.3)	11 (0.3)	16 (0.3)
XVI Trauma	15 (0.4)	10 (0.2)	10 (0.2)	12 (0.2)
All others	10 (0.3)	6 (0.1)	10 (0.2)	8 (0.1)
All conditions	106	141	116	107
Overall rates per child per year	2.4	2.9	2.6	1.7

TABLE II—International Classification of Diseases

ICD group	Age group (years)			
	Under 2 (n=36)	2-4 (n=48)	5-7 (n=42)	8-11 (n=54)
I Infections	2 (-)	2 (-)	6 (0.1)	5 (0.1)
II Mental, nervous system and sense organs	0 (0.0)	21 (0.5)	24 (0.6)	2 (-)
III Respiratory	0 (0.0)	12 (0.3)	18 (0.4)	4 (0.1)
IX Genitourinary	0 (0.0)	1 (0.0)	1 (0.0)	1 (0.0)
All others	0 (0.0)	4 (0.1)	1 (-)	0 (0.0)
All conditions	0	27	49	28
Overall rates	0	1.5	1.5	0.9

TABLE III—Comparison between study data and Second National Morbidity Survey (1979-81)

Source	NMS		Ratio		NMS		Dundee		Ratio	
	Age group	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
All conditions	3.03	5.53	1.5	1.93	3.06	1.6				
Infections	0.26	0.36	2.2	0.22	0.42	1.9				
Respiratory	0.28	0.22	0.66	0.66	0.68	1.9				
Other	0.29	0.60	3.1	0.13	0.25	1.9				
Acute otitis media										

noticeable discrepancy that requires explanation. Consultation rates north of the border are generally reported to be higher than in England.⁶ The difference in age grouping for the older age group might have a small effect on those figures, but the lower age groups are exactly comparable. The twofold increase in preventive contacts could represent a real change in practice over the 12 years between the studies. Otherwise, the difference probably represents a difference in illness behaviour of this small group of mothers compared with a very large sample of the general population.

We wished to identify those families in which one or more children had had "serious" or at least "significant" disease, by medical criteria, to see how this influenced the overall consultation rate for the family. List size of such disorders was drawn up (table IV) from the list of all problems encountered, representing the most serious or important medical problems. Just over half the families had had at least one such problem in the study year, and these problems accounted for nearly one third of all contacts. The relation between this variable and the consultation index is shown in table V. As might be expected, there is a positive correlation between the two, and indeed this

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