

PRACTICE OBSERVED

Practice Research

Area variations in the process of care in urban general practice

D WILKIN, D H M METCALFE, L HALLAM, M COOKE, P K HODGKIN

Abstract

One hundred and eighty three practitioners collected data on 110 000 consultations. Case mix and pattern of care are compared for doctors practising in different urban areas...

Introduction

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Work in London has shown an association between certain features of practice such as manpower, training, equipment, premises, staff—and patterns of morbidity and mortality.

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mortality.¹ Such work suggests that having an area strategy for improving general practice would identify areas of both great need and poor standards of care.

Wood described a large survey of general practitioners conducted by the Primary Care Research Unit in Manchester, the results of which showed that in contrast to London there were few differences between the inner city and outer areas of Manchester in the structural characteristics of general practice.

The research unit then undertook a study of the process of care which was to show whether there were systematic differences in the pattern of care provided in different parts of the city of Manchester.

This paper reports the findings of that study in terms of both a simple distinction between inner and outer areas and a more complex classification of different types of neighbourhood.

Methods

The population for the first study reported by Wood was made up of general practitioner principals practising in Manchester, Salford, and Trafford.

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they would collect data on all doctor-patient contacts for one day at a time on 20 selected days spread over one year. 208 (57%) doctors agreed to take part and 183 (50%) completed the collection of data.

Table 1 - Representativeness of general practitioners participating in study. Includes demographic data and practice characteristics.

two important limitations. Firstly, it permitted recording of only a few relatively clear cut "events", thus excluding reference to such things as the thoroughness of examination or the quality of the interaction between doctor and patient.

Table 11 - Reliability of data recorded by general practitioners compared with that recorded by independent interviewers. Includes kappa coefficients for various medical and personal items.

On "recording days" each general practitioner was asked to complete one line of the encounter form (fig 1) for every face to face contact with a patient, whether in the surgery or at home.

Fig 1 - Doctor-patient encounter form. A structured form for recording patient consultation data, including patient details, presenting symptoms, and clinical findings.

The reliability of the encounter form was tested for all items except diagnosis by comparing information recorded by general practitioners with that obtained by independent interviewers for a sample of 500 consultations.

Table 12 - Types of cases by ward clusters. A grid showing percentages of cases across different ward clusters (A, B, C, D, E) for various clinical categories.

areas and the highest proportions of elderly people in the more affluent areas. Although differences were not large, subsequent analyses were based on age weighted samples.

Table 13 - Types of cases by ward clusters. Similar to table 12, showing percentages of cases across ward clusters for different clinical categories.

structure in inner city and outer areas seems to be mirrored by the similarity in the pattern of care provided. Patients who attend general practitioners in the inner city present much the same types of problems as those in other areas and receive similar patterns of care in terms of prescriptions, investigations, and referrals.

It may be argued, however, that the crude administrative boundary used by the Department of the Environment to identify areas of need is insufficiently sensitive since areas of deprivation are not entirely concentrated around the city centre.

Table VIII shows small overall differences in the types of cases among areas and no consistent pattern between the most and the least deprived areas.

Table IX - Actions taken by general practitioners by ward clusters. Shows percentages of actions (Home visits, Laboratory tests, etc.) across different ward clusters.

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