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Information systems for general practitioners for quality assessment: III Suggested new prescribing profile

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Introduction

Although British general practitioners prescribe less frequently than most of their counterparts on the Continent, they are constantly encouraged to prescribe more economically and more rationally. To achieve these goals "future progress will be heavily dependent upon the continuous supply of good data on the prescribing plastics of individual dectors and practices because clinical performance review is successful only if doctors have details of their own prescribing patients and costs readily available to occurred when they were provided with feedback and with opportunities for discussion with their colleagues. Whith two years, however, doctors had mostly reverted to their previous patient of prescribing, and it was thought that," amore usustanted intervention is needed to bring about more lasting change."

Since 1956 all brints general practitioners have received annual Since 1956 all brints general practitioners have received annual Authority (or equivalent bodies outside England: distributed through the relevant family practitioner committee (or equivalent bodies outside England). The prescribing database consists of all prescriptions issued and dispensed in a family practitioner committee or equivalent bodies outside England. The prescribing patient prescription issued and dispensed in a family practitioner committee or equivalent behavior and practice of the prescribing rates of individual doctors are also included, using the number of patients on the practice list as a denominator. More detailed reports that itemise every prescription (PDB) can be provided on request. The system was primarily developed as a means of cost corrors that itemise every prescription (PDB) can be provided on request. The system was primarily developed as a means of cost corrors that itemise every prescription (PDB) can be provided on reposes. The system was primarily developed as a means of cost corrors that itemise every prescription (PDB) can be provided on reposes. The system was primarily developed as a means

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BRITISH MEDICAL JOURNAL. VOLUME 291 7 DECEMBER 1985 intended to take part did not do so. The other participants persuaded a further 23 of their partners to non — net guina (73—size all members of the practice had to take partners to so me, — net guina (73—size all members of the practice had to take partners + A total of 56 practices participated (34 (73%) in Locationalization and 2.2 (22%) in Locationalization, representing 24% of all those, 33% (167 of 202) collected details of their contacts with patients throughout the month of the study.

Tables I-IV show some of the new prescribing predicts. The figure relate to the same Lecentreshing group practice throughout. Comparative data for Laccolinalize provided for Laccolinalize precises. Prescribing frequency when of first to the same Lecentreshing study period were calculated as follows: prescribing frequency. No first to fix to fix period for laccolinalized precises of fixed period for the study period were calculated as follows: prescribing frequency. No fix to to face prescribing frequency. No fix to to face to face prescribing frequency. No fix to face to face prescribing frequency. No fix to face to face prescribing in the study of the study period were calculated as follows: prescribing frequency.

Before judging the extent to which doctors might be prepared to contribute to and participate in the system of prescribing feedback several factors need to be considered. The 182 doctors who had been invited to participate in the prescribing carerises had been indentified from their stated whise in the questionnair. "To receive a breakdown of the number of (their) repeat prescriptions." Their only commitment then was to use specially married prescription pads, which inferred a follow up practical careries, but this was not considered to the participating doctors gave a more interesting and useful insight into patterns of personal and practice prescribing than had originally been on offer. We believe that more doctors would have participated if they had been aware of this.

Nevertheless, 36% of respondents volunteered to participate and not only was their "fail out rate" negligible (4%) but they persuaded a further 28 of their partners to jon in . We expect that "peer persuaded a further 28 of their partners to jon in a. We expect that "peer persuaded with the increasingly important in carrying our audit and their personal prescribing rates being supplied since 38% were prepared to undertake more recording to enable the necessary calculations to be made.

We believe that we have identified a receptive and highly motivated minority of doctors who seem to value this approach to prescribing a flaudit. Because of the general increase in interest in prescribing in general practice that has occurred since our data were participated.

Our study was concerned with providing useful feedback on prescribing ability, and so we do not comment in detail on that information. Tables 1-IV, however, show large variations in all categories of prescribing activity, not only among doctors in the same practice but also among practices. These variations in all categories of prescribing activity, not only among doctors in the same practice but this on most of the data come greater in non-training practices. The way areaded to be found

encourage more doctors to review their prescribing.

The advantages of this system are:

(1) In assessing prescribing patterns a distinction can be made between repeat and face to face prescriptions. This is important for accountability since repeat prescriptions are usually a collective responsibility of the practice, whereas face to face prescriptions usually reflect the personal decisions of a doctor.

(2) The information more accurately represents personal prescribing patterns of doctors. Thus the feedback would be of more relevance to an individual doctor and more likely to induce changes.

(3) The information has a high potential of identifying possible proposition of the prescribing possible proposition of the prescribing proposition of the responsible proposition for execution of practice data and the figures for local colleagues. Consequently, it is more likely that review will be carried out.

Table I shows, for example, that Dr A can readily determine that

the unitary of the control of the co

(2) Practitioners who wish to receive valid feedback on their personal prescribing should use only their personalized prescription pads. Special prescription pads should be introduced for individual trainer general practitioners to that they may receive accurate feedback on their prescribing, helping to inculcate prescribing receives as a lifetime habit.

(4) Feedback on the frequency of face to face prescribing based on a demonitation of the number of patients seen should be available to all practices whose doctors wish to provide the necessary information.

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2 Irone D.H. The primitive agencia in repensible procedure, Quality in prairier Ballerin 13.
2 Irone D.H. The primitive agencia in repensible procedure, Quality in prairier Ballerin 13.
3 Herric C.M. (Lorent M. Avidana E. et al. (Lorenthing - material custo for pressures Lauden, Resol.
Chillege of General Princisseums, 1984. Colournel page 14.
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100 YEARS AGO

On Sunday, November 29th, a mad dog ran about the streets of a French village, and bit six people, including a polic-sergeant. The preliminary precautions were taken, and the six patients were conveyed to M. Pisteur's laboratory. There are sasty-two people now under M. Pisteur's reatment, they have travelled from all parts of the world after readings his communication to the Academic des Sciences. We are authorised to state that M. Pisteur will receive for treatment auyone who has been britten by and dog, and six in danger of being seized by hydrophobia. (Branis Medical Journal 1885), in 1744.)

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Source of prescription	Prescribing frequency (%)	Average cost per prescription (£)	No of stems per prescription	Average cou per stem (£)
Your practice:				
Dr A	92	5.9	16	3.6
Dr B	76	7.9	20	4.0
Dr C	71	3.9	1.5	2.6
Dr D	69	6-5	18	3.6
Dr E	56	5.0	1.5	3.5
Dr F	55	4.1	1.4	2.9
Others	48	41	1.4	2.8
Practice average	67	5.5	16	3:4
Participating practices in Leacestershire				
Individual doctors				
Average	66	5-3	1.5	3.5
Range	40.97	2 4 16 7	1 0 4 46	2 1-6 1
Practice				
Average	66	5.3	1:5	3-5
Range	40-87	19.83	1 2-2 2	2549

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provide general practitioners with more pertinent information to help them to assess their personal and practice prescribing. Since the doctors would need to contribute to the data collection we also wished to find out how willing they would be to collaborate. Lastly, we wanted to gauge how many doctors might not participate when stated intentions in the questionnaire needed to be translated into action.

patient.

Data for individual doctors and practices, separated into repeat and face to face prescribing, were returned by the Prescription Pricing Authority to the

Source of prescription	No of prescriptions usued	Annual prescribing frequency per 100 perictive patients	Average gross cost per prescription (£)	Average No of items per prescription	Average gross cost per stem (£)
Your procince	1695	161	8 -15	1 95	4 20
Participating practices in Leicestershire Average Range		122 17-234	8 50 5 60-10-80	1-70 1-37-2-13	. 4.71 2.69.7.34

Source and type of prescription	No (%) of prescriptions assued	Average cost per prescription (£)	Average No of stems	Average cost per item (f)
Your practice				
Face to face	2521 (59:8)	5.53	1.62	3 40
Repeat	1695 (40-2)	8 15	1.95	4:20
Total	4216 (100)	6.58	1.75	3 80
Pariscipaning practices in Lescenershire Face to face and repeat				
Average		6 20	1 60	3-92
Range		4 40-8 90	1 20-2 20	2 61-5 31

Source of prescription	Prescriptions usued (%)	Prescription costs (%)	Items assued (%)	Item cost (%)
Your practice	40	44	45	55
Participating practices in Lincosteribure: Average Runge	36 10-57	4 14	39 5-57	57 46-66

One hundred and eighty two (36% of respondents) were invited to participate in the prescribing study. Only eight (4%) doctors who had

Audit Reports

Thiazide treatment in elderly patients: the metabolic cost

This metabolic consequences of this zide treatment are well documented in certain populations. The elderly, who commonly receive these agents, 'may be particularly at risk because of the failure of homocostatic mechanisms, poor diet, and the concurrence of other diseases.' The recent interest in treating hypertension in elderly patients is likely to increase this acide usage, making it imperative to define the long term metabolic cost, particularly as the benefits of treatment are less certain in these patient. It is possible to the control of the control

plasma potassium concentration was significantly lower in the patients taking thazzdes (3.94 mmol(mEq/t)) compared with the controls (4.22 mmol/t) (p=0.03). The 32 patients who were not (p=0.0005). The plasma magnesium concentration was similarly reduced in the patients taking thiszides (0.69 mmol/t) compared with the controls (0.77 mmol/t) (p=0.0001). Both erythrocyte potassium and magnesium concentrations were significantly reduced in the patients taking thiszides, suggesting true depletion rather than redistribution. Overall, 28% of the patients taking thiszides, suggesting true depletion rather than redistribution. Overall, 28% of the patients taking thiszides were typotalizemic, and 46% were hypotalizemic, and 46% were hypotalizemic, accentral assistance,—MIGMAEL PETRI, senior registrar, RICHARD BRYANT, general practitioner trunce, and PETRE CUMBER, senior bouse officer, Department of Geriatric Medicine, St Martin's Hospital, Bath, and The Surgery, Colford'. (Correspondence to Dr M Petri, Poole General Hospital, Poole, Dorset.) (Accepted 30 October 1985)

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 Macleod CC, Nutrition of the elderly at home: III. Intake of materials. Agr Agring 1975;4-49-57.

Measles immunisation

In our suburban practice of five partners and 12 864 patients the records of all the children who were born between 1 January 1977 and 31 December 1983 were examined for evidence of messles immunisation and infection. Of a total of 817 children, 128 (16%) had not been immunised. Thurteen (2%) of these non-immunised children had had confirmed messles infection after the age of 2 years and were not considered further, leaving 115 (14%) children who model children had had more discussed at meetings of the practice bealth visitors, treatment room nurses, and general practitioners to decide on who was the most appropriate member of the team to contact each child's parents. All members of the team agreed to use the recommendations contained in the 1984 edition of the Department of Health's memorandum Immunisation Against Infectious Dissass.¹ Although most parents (69%) said that they had been advised against having their child immunised in the past, not one of these 115 children had a valid DHSS contraindication. As a result of a campaign and approaching parents personally 96 (12%) further

children were immunised and the measles immunisation rate in the practice for children born over the seven years increased from 84% to 96%.

This is the highest rate published from a British general practice. Previously the best figure reported was 90% by Ross in Glasgow for children born between 1975 and 1980. This exercise suggests that even though many parents have decided not to have their children immunised against measles in the past most are prepared to reconsider and consent when encouraged to do so by a known member of the primary health care team. If this rate of measles immunisation or something close to it could be reproduced nationally then Britain might become free of measles.—PATRICK ANDERSON, general practitioner, Balmor Park Surgery, 594 Herndean Road, Caversham, Reading RG4 73S. (Accepted 30 October 1985)

Joint Committee on Vaccination and Immunistron. Immunistron agency inferious dissent London: Department of Heishh and Social Security, 1984.

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