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PRACTICE OBSERVED

Practice Prescribing

General practitioners to prescribe oxygen concentrators

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From 1 December 1985 general practitioners can prescribe oxygen concentrators for patients at home who need long term oxygen treatment—that is, 15 hours or more a day. Oxygen concentrators are electrically driven machines which separate a high proportion of nitrogen and other components of amborn air and deliver gases enriched in oxygen. The use of concentrators may be the most convenient way of delivering oxygen, thus relieving patients of the enriched in oxygen. The use of concentrators may be the most convenient way of delivering oxygen, thus relieving patients of the enrichment of a concentration of the long term treatment. The Department of Health and Social Security therefore assumes that general practitioners will exercite responsibility and see that patients are assessed properly before prescribing, bearing in mind that the injudicious use of concentrators could be counterproductive.

Use and cost

It has been estimated that roughly 50 000 patients in the United Kingdom use oxygen each week from the traditional standard F aized (1360 mi) oxygen cylinders. Roughly 83% are only occasional users and orquire fewer thas 20 cylinders of oxygen a month, but you also patients on year to make the long term treatment. Findings from Nasional Institutes of Health in the United States,"showed that long term oxygen treatment improved the survival time of patients who had chronic obstructive lung disease with byoxacemia. After being pressured by respiratory physicians in the UK the DHSS commissioned a study of oxygen use at home which showed that oxygen concentrators were the most cost effective way of providing halt users with oxygen.

commissioned a study or oxygen upon the oxygen concentrators were the most cost effective way of providing high users with oxygen.
It is estimated that the National Health Service spends £8m to £9m a year on oxygen treatment of patients at home. Over a fifth of this is spent on 1% of patients who are high users. Given that some

Suitable patients

Suitable patients

The patients who are likely to benefit from long term oxygen treatment are those with chronic obstructive airways disease in which hypotaemas can be demonstrated. The minimum criteria that are considered necessary to show this are a forced expiratory volume in one second (FEV.) of <15 litres, a forced vital capacity (FVC.) of <2 litres, an arterial oxide tentano of <10 keV litres, and the second of the

One contractor in each of nine geographical areas of England and Wales will be selected by the DHSS by competitive tender to supply

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Results

Table I shows the extent to which the prescribing labits of practitioners are influenced by three different sources of focusi information about drugs. The information from the Department of Health and Social Security compares relative costs of drugs presented in histograms. The other two sources provide more general therapeutic information in a warrey of topics mainly in review format—for example, the treatment of hypertension in any interest of format for example, the treatment of hypertension in Ballons, both of which are sent to all general practitioners in the Nisional Health Service, and least by the regional service.

The Prescription Princing Authority (or equiralem) bodies in other period of the prescription of the animal practice prescribing for a sample month every year. These details include the number and cost of prescriptions in the details of their prescription of the control of the prescription of the sample of the control of the prescription of the control of the prescription of the control of the prescriptions, 50% settlement of the prescription of the control of the prescriptions of the control is settlement of the prescriptions of the control is settlement of the prescriptions of the prescription of

DATA FROM FAMILY PRACTITIONER COMMITTEE

Each quarter all committees provide practices with data on the registered practice population and patient moves and a financial statement detailing the

TABLE 1—Effects of DHSS cost comparison charts, Drug and Thera-pentics Bulletin (DTB), Treu Regional Health Authority periodic drug circulars (Trent RHA) (n = 508 respondents)

	DHSS	DTB	Trent RHA
rescribing influenced	85*	71	61
rescribing not influenced	13	20	32
Do not read	1		4
Not known	i	i	3

*Prescribe cheaper drug (almost always 13%, occasionally 72%)

Item of information	Frequency requests	
Number of		
Immunusetoons	63	
Gerrycal smears	61	
Patients currently on list	61	
Contraceptive claims	60	
Nucht visits	60	
Materiaty service claums	58	
Patients removed and registrations	57	
Patients removed with reasons	37	
Comparison of any of the above items with the average per principal in your family practitioner committee area	18	

Item of information	requested of provided	Prepared to collect within practice
sumber of		
New outpatient referrals	62	50
Emergency admissions	56	39
Radiology requests	52	36
Haemstology tests	49	30
Specialist domicibary visits	47	33
Bacteriology tests	47	27
Cervical amears	46	35
New referrals to accident and emergency department	39	25
Histology tests	33	18
comparison of any of the above with the average per		
principal in your area	57	_

AUDIT IN DEPTH

The answers given by the doctors indicate a high degree of selectivity both in their stated use of currently supplied information and in their information preferences. This makes their choices more meaningful than if, for example, they had merely asked to be supplied with very possible item of information suggested to them. This in turn suggests that the doctors know what they want and that efforts to provide them with improved flows of information which reflect their choices are likely to be rewarded by high levels of use.

concentrators. Under a contract devised by the department the contractor will be expected, on receiving a telephone message from the prescribing general practitioner, to supply a concentrator and equipment (cannulas mask, humbidier, etc), nattall it at a time convenient to the patient, and service the equipment regularly. The contractor will also be expected to train the patient in the use of the contractor will also be expected to train the patient in the use of the other patients of the patient of the patient

General practitioners' role
General practitioners may still prescribe oxygen cylinders.
Oxygen concentrators may be prescribed for any patient who is
considered suitable for long term oxygen treatment and has been
assessed according to the criteria above. When there is uncertainty
about this patients should be assessed by those who can give
opinions on suitability for oxygen concentrators.
The role of general practitioners will be confined to the following:
(a Identifying patients who may require long term oxygen
treatment: (b Making arrangements for patients' assessment when
Informing the family practitioner committee when the concentrator
is no longer needed.

Practice Research

Information systems for general practitioners for quality assessment: II Information preferences of the doctors

ROBIN C FRASER, JULIE T L GOSLING

Abstract la this part of the study we intended to determine (a) the extent to which currently supplied information was used by general precitioners to assess their performance and (b) the preferences activity cere investigated; prescribing, practice activity as shown by family practitioner committee quarterly returns, hospital use, and sudit in depth. The results are from 508 (76%) questionanizes returned from the 669 general practitioners circulated in Licicesterhine and Lincolashire.

The prescribing habits of most doctors are influenced both by feetual information about drugs from many sources and by frectual information about drugs from many sources and the frechal formation about drugs from many sources and the control of the

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(66%), the family practitioner committee (58%), and hospital sources (57%). Because doctors chose particular items of information that they would like to have, systems that are developed to provide such information are likely to be used. The need to incorporate comparison with peers is particularly important.

Generally speaking, more interest was expressed in data from the family practitioner committee than any of the other categories of information. Furthermore, many doctors would welcome comparing their personal or practice performance, or both, with that of their local colleagues, and this holds true for information feedback from family practitioner committees (58%), the Prescription Pricing Authority (66%), and hospital (57%) sources. This emphasises the importance general practitioners assign to peer

consensus.

Clearly, little use is made of data supplied by the family practitioner committee to assess practice activities. The quarterly

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prescribing were influenced by the figures, which indicated to them that their prescribing frequency and costs were "about average" [73%] or "below average" [10%]. This is another example of the impact of per data. Undoubtedly, the feedback provided by the Prescription Pricing Authority has a powerful influence on prescribing habits. Thus we believe that it would be worth while to devote considerable effort to maximising the unrealised potential which this system has. This requires changes in the way that the information is collected and presented, which in turn requires the collaboration of general practitioners. (See the third article in this series.)

			Doctors		
Information source or			endents	All doctors in Lexestershire and Lux-pinshire	
category	Information requested	No	٠,		
Family practitioner committee	Practice profile of selected items such as immunisations	345	68*	52	
	Practice profile with local comparisons	293	58	44	
Prescription Pricing Authority	Individual or practice prescribing profile with local comparisons	333	66	50	
	Prescribing profile by major therapeutic group	298	59	45	
Hospitals	Individual doctor outpatient referral profile	316	621	47	
	Individual doctor outpatient referral profiles with local comparisons	290	57	43	
	Individual doctor emergency admission profiles	284	56	42	

Rank	System or topic	No	٠,
	Cardiovascular	46*	19
2	Prescribina	30	12
3	Endocrane	28*	11
4	Practice organisation	27	- 81
5	Respiratory	241	10
6	Prevention	23	5
7	Psychiatry	17	2
	Obstetnes gynaecology	16	- 2
9	Musculoskejetal	12	
10	Others	23	- 5
	Total	246	100

This is the second of three papers.