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Practising Prevention

Helping agencies

SIMON A SMAIL

Although many programmes of preventive care can be put into effect using resources drawn solely from within the practice there are several other agencies whose help may be invaluable and who may contribute considerably to the success of preventive

Local agencies

HEALTH AUTHORITY SERVICES

Health authorities are concerned to ensure that there is an adequate level of preventive care in their areas, but an effective overall strategy in an area demands close co-operation between the community services provided by the authority and general practitioners. Health authorities often take responsibility for preventive care for certain groups of patients and may, for example, provide pacifiatries screening and immunisation clinics; provide pacifiatries screening and immunisation clinics; practice and deployment of resources varies from one authority to another, but it is vital that there is good communication between those who are responsible for running the clinical services of the authority and local practitioners to avoid obvious gaps in the provision of preventive care or, on the other hand, unnocessary duplication of effort. Many community medicine specialists are now more sensitive to the potential for practising preventive care in the practice, since it is often more logical for activities used as immunisation, antenatal care, family planning, and cervical cytology to be provided by the practitioner. Community medicine specialists will be able to provide practitioners with advice about local epidemiology but also can often

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give specific advice about the practicalities of initiating a preventive programme, such as a screening programme for

preventive programme, sturn as a sectioning programme. hypertension.

Carrying out a programme of preventive care in a practice will often require the services of district nurses, health visitors, and midwives, who are employed by the health authority. If a practice is planning a new initiative it is important to discuss the plans not only with the nursing staff but also with the nursing officer. There may be the need for resources, but often a need for further training as well. For example, if a treatment-room sister is to help to run an immunisation clinic the health authority will need to be satisfied that the nurse is competent to undertake the additional tasks. Usually the specialist in community medicine will be able to advise if any problems arise.

NEALTH EDUCATION OFFICER

Virtually all health authorities now have the services of at least one full-time health education officer (HEO). He or she is least one full-time health education officer (HEO). He or she is least one full-time health education officer (HEO). He or she is least of the full time of time

Some practices have now set up patient participation groups, which can supply a valuable framework for a preventive campaign. The group itself may help to run the campaign and organia meetings of patients. In some areas Community Health Councils have become interested in preventive care and run co-ordinated local campaigns. Some CHGA have taken a particular interest in tertury prevention (managing extablished disease) by seeking out and publiching facilities for patients with helpful. Mother and haby groups are often attended by the health visitor who may be able to influence the health beliefs of those attending the group, but subsequently individual members of the group may have a more general effect by disseminating ideas of preventive care in the community.

Although there has been a bistory of difficult relationships between some self-help groups and the medical profession there is no doubt that many self-help groups, such as branches of the Ezerma Society, British Diabetic Association, British Epichpy, Association, Alcholie's Anonymous, or weight control groups, can be invaluable for many patients and can supplement the efforts of the practitioner in both econdary (early detection of disease) and tertary prevention.

LOCAL ATTHORITY

The local authority must also be seen as an important resource. The education department is responsible for health education in schools and may welcome advice from local health visitors or doctors. Adult education programmes always include keep fit classes of various kinds. Patients can often be encouraged to take a little more exercise by joining a keep fit class, but other classes that into teach new hobbies may also be valuable in helping patients to find new interests. Cooking classes may even help people to learn something about nutrition. Recently some local authorities have started to run classes that are based on the Vourself! "and include straightforward advice about diet and exercise. Social services departments are responsible for running day centres for elderly people and in England and Wales employ occupational therapistis—both of importance in terriary prevention. They also have details of local self-help groups.

LOCAL MODA

Local newspapers often run features or series on aspects of preventive care. This may stimulate local interest that a practice can use to advantage. Editors always welcome ideas, and practitioners can often act as a resource themselves, either by writing for the newspaper or by providing material or ideas for a features writer. Local radio also has a considerable impact and many practitioners act as the popular local "radio doe." Although any present of the providing material or idea for a features writer. Local radio also has a considerable impact and may practitioners act as the popular local "radio doe." Although any providing material or all the providing modern and the providing material or a feature of the programme. Producers always like doctors to discuss the latest headline-catching miracle cure, but most radio doctors manage to temper their producers' enthusiasm and include regular preventive advice in their programmes.

CENTRAL INFORMATION SERVICE FOUNDATION

An information service is available free of charge to all practitioners in Britain and provides information and advice about all aspects of practice management. For example, practitioners may obtain advice about setting up an age/sex register,

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a recall register, or a morbidity register—any of which may be valuable in providing preventive care in the practice.

HEALTH EDUCATION COUNCIL. SCOTTISH HEALTH EDUCATION GROUP

Both the HEC and SHEG have similar functions as central co-ordinating bodies for health education activities. They publish leaflets and pamphlets, many of which are co-ordinated with national campaigns. Some are now specifically designed for general practice—for example, the Girc Up Smoking kit. The HEC also has a resources centre, which consists of a lending library and a collection of health education material including audiovisual aids and facilities for viewing. A bibliographic service is also available.

VOLUNTARY ORGANISATIONS

Many charitable bodies produce educational material for patients with chronic disease—for example, the British Diabetic Association and, the British Epilepsy Association produce excellent pamphiles. Epilepsy Association produce excellent pamphiles. Some charities also produce learliest and audiovisual aids that can be used when giving talks in the practice, in school, and in youth clubs, for instance. Many of these are of a general nature and not necessarily linked to specific disease. A comprehensive index of this material is published bianually, and a full list of charitable organisations concerned in health care is available from the Family Welfare Association.

Useful addresses

BMA BLAT Film Library BMA House Tavistock Square London WC1H 9JP Tel: 01-387-4499

Central Information Service Foundation

14 Princes Gate London SW7 1PU Tel: 01-581-3232

Family Planning Information Service St Andrew's House 27-35 Mortimer Street London W1N 7RJ Tel: 01-636-7866

Health Education Council 78 New Oxford Street (Resources Centre, 71-75 New Oxford Street) London WCIA 1AH Tel: 01-637-1881

Scottish Health Education Group Woodburn House Canaan Lane Edinburgh EH10 4SG Tel: 031-447-8044

Reference

Anonymous. Health education index and guide to coluntary agencie. London: B Edsall and Co. 1980.

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Practice Research

Drug treatment in elderly patients: GP audit

CEDRICK R MARTYS

The percentage of elderly people in the population is growing; more than 14°, are aged 65 years and over.' Half of these people may be on drug treatment.' It non survey of elderly inpatients' the average number of drugs prescribed was 3.3. Older patients are at greater insk than younger people from polypharmacy, drug interactions, and adverse effects of drugs.'* Most reported work, however, is based on studies and experience in hospital.' As a step towards identifying problems associated with drug treatment of elderly patients in the community 1 studied patients in my practice. I aimed at identifying and the proposed properties of the proposed properties of the proposed properties of the proposed properties. The properties of the properties

Method

All patients over the age of 65 who were on drug treatment were identified from the age-ws, register and the prescription record card identified from the age-ws, register and the prescription record card who is on long-term treatment. Each of these patients was interviewed over six months, wheth during attendance at surgery or on a home visit, and questioned about his or her treatment. Symptom complicated at the time of the interviewed recorded to the surgery of the patients were also saked if they had taken their drugs as recommended.

After patients were also saked if they had taken their drugs as recommended.

After patients are given an opportunity to state in their own words. After patients and developed any new or unexpected symptoms since starting treatments a checklist of specific symptoms was then gone through. Information was particularly required concerning symptoms that might be draign-induced, and though the use of checklists has been criticated on account of suggestibility they have been successfully used the supplication of the

In a practice population of 3300 patients 538 (16",...) were over the age of 65 years at the start of the survey, and 167 patients (31",...) had been taking at least one drug for more than a month (table 1). The average number of drugs taken was 32, but 61 patients (36",... of those

Darley Dale, Derbyshire DE4 2HJ CEDRICK R MARTYS, MD, MRCGP, general practitioner

on treatment) were taking four or more (figure). Of the 167 patients on drug treatment, 137 (80°) thought that they were taking their drugs of the control of the control of the control of the control of the case of the cas

TABLE 1-Patients over 65 years of age on drug treatment

No patients No ("...) taking over 65 years one or more 218

70 (32)

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Symptom sign	No of patients (total 61)	Drug treatment	No or patient
Dyspepsia flatulence		Prednisolone	5
		Indomethacin	1
		Naproxen	2
		Ibuprofen	1
		EC aspirin	i
		Destroproposyphene	i
Dry mouth	20	Bendroffweride	10
		Frusemide	
		Bumetanide	4
Constipation	2	Bendrofkuzide	i
		Paramol 118	i
Dizzyness fainting	10	Propranelol	4
		Bethanidine	,
		Methyldona	- 1
		Paramol 118	í
Tremor	2	Bendroffuazute	,
		Salbutamol	- 1
		Chlordiazepoxide	,
Headache	4	Glyceryl trinitrate	- 5
		Prepranolol	- 5
Paraesthesian		Salbutamol	î
Drowsings	2	Distroam	- ;
Confusion	3	Destroproposyphene	î
	-	Sedaum amytal	i
Depression	2	Destroproposyphene	i
,	-	Disteram	i

Diuretic	Normal K	Low K (+ 3.5 mmol(mEq. 1)		
		Diuretic - K	Diuretts alone	Not on diure
Bendroffuszide	23	12	N	
Frusemide	25	ī	1	
Other	14	0	0	-
Total No in	62 (74	13:15:	9 / 11 /	3 ()

been caused by increased occult blood loss from the bowel as a result of drug treatment. There was evidence of impaired renal function in ol patients (80°) with raised blood urea concentrations, and 55 (30°), had impaired creatinine clearance. Many of these patients were taking disjount, diurettes, slow-release potassums, and analgesies, all of which are excreted by the kinder, and thus were at greater risk from drug toxicity owing to abnormally high blood concentrations because of impaired renal exerction of these drugs.

Fourteen per cent of the British population are now aged over 65 and account for 33°, of national expenditure on drugs. 1° Some prescribing for elderly people may be unnecessary, ineffective, or inappropriate, 1° and they are particularly at risk from both adverse effects of drugs and polypharmacy, 10° My survey identified many prescribing problems and suspected adverse effects.

survey identified many prescribing problems and suspected adverse effects. Drug-induced symptoms—Thirty-six per cent of patients were "certainly" or "probably"" suffering from symptoms that were drug-induced. This is higher than the 15°, reported for suspected intergenic disease in elderly patients in hospital, "but suspected intergenic disease in elderly patients in hospital," but Although most drug-related symptoms were mild serious potential problems were identified, such as postural hypotension in patients taking diseasement altopic method to the patients and the state of the patients and the state of the

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Potassium—No life-threatening adverse effects owing to abnormal potassium concentrations in patients taking discretise were detected. These are rare even among hospital inputents, were also as the properties of the patients of the cause. Hypochalaemia was detected in 26% of patients in the survey, but it is doubtful if this needs to be corrected unless the serum concentration falls below 30 mmo/melhyLP Potassium supplements were of little benefit to patients taking discretis. Although severe hypochalaemia (30 mmo/melhyLP) potassium supplements were of little benefit to patients taking discretis. Although severe hypochalaemia (30 mmo/melhyLP) and potentiate digoxin toxicity it is unlikely that mild hypochalaemia is insued in all elderly patients who take thazed discretis, and all the patients who take the more discretis, and the patients who take the more potent loop discretis, such as frusemide, and have good renal function continue to take possium replacement treatment builing disjoin had clinically additionable to the patients while discretis and also in those who have evidence of impaired renal function. But patients who take the more potent loop discretis, and the patients while discretis and the charge to preparation is ensured to determine the spitimum therapeutic dose in general when the patient is taking the drug but serum connectrations are below the accepted range discontinuing treatment produces no ill effects. 10° .

Anti-inflammatory drugt—When anaemia was found in patients taking or all controlled the patients will offer a seal patient. Illustration and a discretis and the patients will be a restricted with the patients wi

Conclusions

In a semirural practice every patient over the age of 65 years who had been receiving treatment with at least one drug for more