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probably requiring large numbers of elementary nutritionists working in the community as members of primary care teams.

Severe familia hypercholesterolaemia is rare, causing less than 1% of all hyperlipidaemias. Homozygotes mostly die from coronary occlusion under age 30 unless they are controlled by arduous dieting supported by drugs. With a heterozygote frequency of 1:500, screening of the first-degree relatives of every case of coronary occlusion under 50 would detect children at a treatable stage."

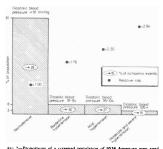


FIG. 2—Proportions of a screened population of 9538 American men aged 55 to 64 in four categories by mean diastolic pressure, mean of three readings, from the National Health Examination Survey, 1980-62: and the relative risks of myocardial or brain infarction during one year for the same categories, from the Framingham "Dule books." Source: Espetio."

Raised total or low-density lipoprotein (LDL) cholesterol increases the risk for myocardial infarction synergistically with the other major risk factors—smoking and hypertension. The association is high in young men and women and ediclines with age. High-density lipoprotein (HDL) cholesterol, on the other hand, protest against coronary disease; it probably reflects cholesterol mobilisation, while LDL cholesterol reflects deposits as atheromatous plaque. The protective effect of HDL cholesterol persists in elderly people," but this fraction is influenced advice about date the data for concentrated on protective advice about date the data for concentrated on protecting body weight to within 10°, of its ideal level. This can be cassily calculated by the formula for body mass index (BMI)—metric weight divided by the square of metric height. BMI should lie between 20 and 25 for sudul men and 19 and 24 for women. Triglyceride concentrations, which are also a positive risk factor for coronary diseases, are so closely linked to fatness that there is little point in measuring them.

The safe and effective way to creduce LDL cholesterol is to. The safe and effective way to creduce LDL cholesterol is a considered to a desire the control of LDL the control of LDL the control of LDL the letter of the control of the co

cholesterol are probably occurring now because of changes in public opinion about the wholetomeness of foods. In 1980 the consumption of sugar in Britain went down by 8°,, egges by 10°,, milk by 10°,, white bread by 20°,, and butter by 22°,, whereas consumption of potates rose by 23°,, margarine by 27°,, and brown bread by 41°,... All the indications are that people are able and valling to change, but in ad, kino to needing people are able and valling to change, but in ad, kino to needing turrers will have to make labels more informative and less promotive. Perhaps as a profession we need to press for the legislation to secure such a change.

Retrospective studies tend to show lower coronary risks for those who take vigorous daily exercise, though the differences are less than those attributable to smoking, hypertension, or hyperipidaems." "I Such people, however, obviously differ from those who make other uses of their leisure time. Concardial infarction in people under 57 showed no improvement in survival after four years, though fitness as measured by a bievicel ergometer was appreciably improved, and effort tolerance in those with angina had increased 100"..." Regulae exercise, however, could have an important indirect effect on other, more potent risk factors by providing an essential part of a more general changed lifestyle emphassing active creativity rather than passive consumption. Much more needs to be done to link primary care with local sports facilities (as in the siting of health centres at Milton Keynes new town), to assist those over 30 to acquire or maintain non-competitive sporting activity.

### A plan for general practice

A plan for general practice

Looking at the whole field of atheromatous arterial disease, stroke as well as coronary occlusion, the Royal College of General Practitioners wirking party on prevention<sup>27</sup> recommended immediate action on three points for the whole adult of the control of the property of the college of General Practitioners within the college of General Practicioners in the fight of the Australian trial); (ii) personalised advice on smoking; and (iii) measurement of weight and height in all who look fat, calculation of ideal weight, and advice and support for those who want to try to attain it. Three further points for immediate action were suggested for subgroups; refrise factors, particularly smoking and hypertension, and diet should be reviewed to reduce the total amount of fat; women on oral contraceptive pills should have their arreial pressure monitored regularly and be advised on smoking; and the need for thizarde dureties should have their arreial pressure monitored regularly and be advised on smoking; and the need for thizarde dureties should have their arreial pressure monitored regularly as word unnecessary use of these eventually dubetogenic drugs. \*\*\* Substitute of the college of the college

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# Organising a Practice

## Clinical policies

### E GRAHAM BUCKLEY

In a previous article' I discussed policies concerned with the organisation of a general practice. Policies that affect clinical work may be more straightforward and easier to agree on owing to our clinical training. Discussion about managing patients with conditions such as urinary tract infections can proceed along rational lines and consider the criteria required for diagnosis, the cost of treatment in terms of efficacy, side effects, and the outside the criteria required for diagnosis, the cost of treatment in terms of efficacy, side effects, and the outside the criteria required for diagnosis, the cost of treatment in terms of efficacy, side effects, and the outside the cost of the cost o

### Chronic illness

Does your practice have an agreed policy about the manage-ment of patients with epilepsy, diabetes, or one of the other common chronic illnesses? Is a policy necessary? Published

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evidence\*\* shows that there are serious inadequacies in the care of patients with chronic illnesses. The finding that the attention to such patients is inadequate in hospital outpatient clinics as well as in general practices is no consolation. Effective policies for the management of chronic illness can only be laid down when there is collaboration between the patient, the general practitioner, and the hospital specialist. Before attempting the patients with a particular problems can be identified and specific policies developed to meet these problems. In a particular illness and the patient of care provided, and then in the light of these findings particular problems can be identified and specific policies developed to meet these problems. The attitude of the patient is crucial for determining the effectiveness of the medical intervention. In making any rational decision about his future health a patient should be adequately informed about his illness. Similarly, the doctor appropriate plans to help the patient. A precial policy may be to make available to the patient written information about his illness and also encourage him to contact the relevant voluntary organisation. In some practices the number of patients concerned make it worth while to set tup special clinics that can be held in collaboration with the specialist from the local hospital. In most practices, however, the problem for the doctors is but that individually they see only a few patients with each chronic sheet may help to remind the doctor about the agreed policies of management. The card could also be used as a shared medical record between hospital and the general practice.

### Assessment of older people at home

Assessment of older people at home

It is well recognised that many elderly people who live in their own homes have some unmet medical needs. These patients tend not to report to the doctor symptoms that they consider to be due simply to growing old. The systematic detection on established symptoms and disabilities in the differs fundamentally from classic screening profilementally from classic screening profilementally the content of the profilemental the profilemental pro re attention.

age/sex register is essential if systematic surveillance of

every five years, and to search actively for maturity-onset diabetes by screening fat people over 50 for glycosuria, again using case-fining. This is likely to double work load in both these categories. Step three is to ascertain the smoking status of the whole population aged 12 to 64, and to offer sustained, personalised advice and support in subsequent consultations.

Resources and organisation

Preventing coronary disease requires two big changes in practice organisation. Firstly, means must be found to expand the consultation to include an active search for needs as well as the more passive satisfaction of wants. Now, at least in the over-worked areas where coronary disease is most prevalent, we have an average face-to-face consulting time of five minutes. We can do this in three ways: by delegating clinical measurements to employed staff, by taking on more partners whole-time or part-time, and (doubtfully) by reducing time spent on less useful tasks.

The proposition of the proposition of the whole adult population, or of special groups in it, a normal and necessary part of practice. This requise a necessary part of practice. This requise a necessary part of practice. This requires a necessary that the colour tagging, structured display of data, and means of readily identifying usats not yet done. I do not believe that this can be done within the limits of the Lloyd-George record, and the need to change to A4 has to be faced. It also requires staff time, as well as the support and interest of at least one partner in the group. There can be no greater illusion than that complete the staff and medical time devoted to their use. To get beyond our present passive response to breakdown and organize active search for need requires a transformation in the way we work that must precede delegation to machines. Until we have mastered the task it will not be defined or understood, and therefore cannot be computerised. The data inputs will be local, personal, and specific, and can come only from our own work; we cannot by it off-the-thelf as computer software.

will be local, persona, and provided the shelf as computer software.

Our immediate need is more staff, and this should not be a difficulty. Though GPs are each entitled to employ two whole and the shelf and the

## Conclusion

The present state of general practice is too variable to permit a cookery book solution for coronary prevention. GPs are the most highly educated health workers in their communities. Each of us must adapt, as best we can, the general conclusions of medical science to the specific problems and resources of our local community. Few of us can as yet do all the simple things that need to be done; but even fewer are truly unable to make a start on some of them—not for some, but for all of the people.

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elderly people is to be attempted. The register will give the total number of patients who might be concerned in a case-finding programme, and the register will also identify individuals. Subsequent estamination of their medical records will eviduals be a subsequent estamination of their medical records will wish this information it should be possible to devise new policies that would make more efficient use of the existing doctor-patient contacts. For example, hypnotic and psychotropic medications are together the commonest group of drugs prescribed for elderly patients. Making repeated home wists to renew prescriptions for such drugs may be inefficient and possibly inappropriate. The strategy used to identify their unmet medical needs will depend on the characteristics of the elderly patients in the practice and on the resources of the primary care team. It is possible to be dogmatic about one policy, however: foot problems are so common in old people or proposed to the proposed of 75 years should be offered an assessment by a chiropodist.

Prescribing

A general practitioner's prescribing pattern is one of the most easily measured clinical activities. In addition to the regular analysis provided by the Prescription Pricing Bureau there have been many surveys and studies of prescribing by general practitioners. Marsh' showed how a definite policy of encouraging self-medication for minor self-imiting illnesses can be implemented and assessed the impact that such a policy has one properties of the properties of the properties of the properties. Several policies for prescribing can be discussed. The doctors could try to restrict the range of analgesics and antibiotics that are prescribed, for example. Such a policy could be of direct benefit to the pharmacist as well as to the Treasury. There will necessarily be many deviations from an agreed policy of this kind, and the reasons for such deviations are themselves instructive and will help to develop the policies further.

The dispersion of different prescribed by general practitioners exceeds the own income, and the emphasin on the huge cost of prescribing is understandable. In addition to the existing analysis of prescribing costs, the new computer analysis provided by the Prescription Pricing Bureau will allow general practitioners to assess their own prescribing of different groups of drugs and will permit the evaluation of prescribing policies in more detail.

REPEAT PRESCRIBING

It is easy to forget how recent is the phenomenon of repeat prescribing. Before 1950 it would have been unusual for patients to receive a prescription without seeing a doctor. Nowadays repeat prescribing is an accepted part of general practice, and systems have been introduced to cope with the numbers of scripts required. A sad comment on our times is that computers can now memorite and print the repeat prescription for psychotropic drugs to patients whose problems of automation. Policies should aim to clarify the reasons for starting to give repeat prescriptions and also to ensure that patients who receive such prescriptions are seen regularly.

A typical system might be: the decision to initiate repeat prescribing is stated in the medical record; a special card is given to the patient describing the drugs, their purpose, dosage, and time of administration; the card also informs the patient how to obtain repeat prescriptions and gives the number of occasions that this can occur before an appointment with the doctor is required. Every request for a repeat prescription results in the doctor having placed in front of him a blank

BRITISH MEDICAL, DURNAL. VOLUME 285 31 JULY 1982 prescription form, the special card, and the medical record of the patient. Details of the prescription are entered on the special card and also put in the medical record. The system may be experienced to the property of the system may be consistent with special prescription and Examination of individual medical records will then show whether the policy is being implemented and whether there are any differences in the pattern of repeat prescribing by different doctors. Evaluation of this kind may lead to modification of the policy and may also lead to changes in the doctors' prescribing habits.

Mospital referrals made to hospital by general practitioners are for outpatient appointments rather than for emergency admissions, and of these referrals the most common are to ear, experience of the common are to ear, experience of hospital resources? It is clearly inefficient to refer children for tonsillectomy in large number to an otolaryangologist whose own policy is to carry out tonsillectomic only in unusual cases, where the common are common are common are common and the common are common and the case of the common are common and the case of the common area of the common area

## Conclusion

Conclusion

In our training in clinical medicine we have become accustomed to the concept of curative medicine, which requires the skills of diagnosts and treatment. Much of general practice is in the sphere of caring and prevention rather than curing, and managerial qualities of accessibility, organisation, and effectiveness are essential. Practice policies should be seen as a tool in the development of such qualities. They are simply guidelines that should help to make medical care more rational and more efficient. Deviations from such guidelines are to be expected, efficient, deviations from such guidelines are to be expected, are impossible. They prepresent our best attempts to reconcile infinite patient needs with finite medical resources.

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