What is preventable?

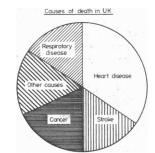
GODFREY FOWLER

"Prevention is better than cure." But it is one thing to know the cause and another to remove or modify it—and yet another, by doing so, to prevent the disease. One difficulty is that there are many uncertainties about the effectiveness of various preventive measures. Not that this is peculiar to preventive measures. Not that this is peculiar to preventive measures. Not that this is peculiar to preventive the properties of the properties activities are effective.

The general practitioner is particularly well placed to practise preventive medicine because he has ready access to a defined population; is in frequent contact with those most in need; can identify those at particular risk; will be concerned with the management of any problems detected; and can combine prevention with cure and care. Most importantly, opportunities for intervention arise during normal care when the patient has sought medical help, albeit for an unrelated problem.

Immunisation against infectious diseases is one form of primary prevention, the value of which is undisputed. For most doctors diphtheria is a disease of historical interest only, but many will have personal knowledge of the effects of others such as polio and measles before effective immunisation was introduced. More recently the resurgence of whooping cough after the decline in persuasis immunisation has been a reminder of the importunce of this from of prevention. Moreover, despite the availability of the feliable working, there are tail about 100 in the contract of the contractions, there are still about 100 in the contraction of the contractions, there are still about 100 in the contraction of the contractions o

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cases of tetanus (with its high fatality rate) each year and several hundred babies born with congenital malformations due to rubella.

Contraception is another important aspect of primary prevention and one in which general practitioners have played a greater part in recent years—95", now provide family planning services. Despite this, more than 100 000 pregnancies are

The Course Organiser

A case for change?

P M HIGGINS. C W SAVILE

We worry about our course organisers in this region; too few have grown old along with us. We have lost 11 of the 16 who were in post in 1977 and only seven of those now serving have worked with us for more than three years. Some would say that this is a good thing—new ideas can flourish and enthusiasm is kept high. But they make two assumptions: that the job can be learnt and performed effectively in a relatively short time and that many are cager to take up the challenge. Neither is true. Others would ask, "Do we need course organisers at all?" All regional advisers would at the fast feel a pane or the course, containing the course of the course, the course of the course of the course, sance, inevitably more responsibility would pass to the centre.) We believe that course organisers are an essential part of the whole structure of training for general practice and that it could not work without them. The expansion of such posts in every region demonstrates that others feel the same.

That region has more reason than most to make this assertion; it recognised the need early and claims to have conceived and pathents in 1980 was the appointment of a "turo"—a general practitioner, Do I your Flaire. Until his death last year he took each trainee for the early weeks in general practice and was responsible for the trainee throughout the three-year course. The pattern was set and general practitioner "turos" were appointed to the pattern was set and general practitioner "turos" were appointed to the presentation of the presenta

indispensable resource in launching vocational training in un-region.

In 1972 progress was reviewed, Six schemes were in operation with 29 trainees in post. A target of training 90 doctors a year was suggested, and the case argued for a proper local structure both for training and for continuing education for general practitioners. As a first stage, "advisers" should be appointed in each area to supervise training programmen, to develop course for trainees and for trainers, and to help meet the educational needs of established principals; later a network of general practitioner tutors similar to the network of clinical tutors should be established. For these teats we needed general practitioners who had a long-term commitment to education; much that was new and unfamiliar had to be learnt, and when learnt it should be put to use over a long time.

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A paper on these lines was presented to and accepted by the Conference of Advisers of the United Kingdom. Soon afterwards the Department of Health authorised the appointment of what the appointment of what were called "local course organisers." Each was to be responsible for running a course for up to 30 trainness; the dustice thus were limited to training and covered several districts. The course organiser was to be paid from Executive Council funds at the same rate as a trainer and on the same terms except that, payable to General Practitioners in England and Wales), be would "not normally be expected to assume responsibility for an individual trainee concurrently with undertaking course organising duties."

An anomaly

The consequences of classing organisers as non-training trainers is a curious restriction; since only one training grant is present to the control of the contr

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Pregnancy and childhood

Other preventive activities that have been incorporated into the routine work of many practices for some considerable time are antenatal care and predictire surveillance. Antenatal care was the first screening procedure to be widely adopted in general practice. Identifying those women at greater risk of having an abnormal pregnancy or confinement is an important function of antenatal care, and though many of the procedures conducted on pregnant women remain unevaluated the overall benefits of antenatal care are generally accepted. The value of routine screening examinations in childhood is more debatable, though few would dispute the worth of selective ones.

Cancer of cervix and breast
Although cervical cytology was the first screening procedure
to be introduced for the detection of mulignant disease its
effectiveness has only executly become fully acknowledged. The
major problem is implementing screening, particularly applying
it to those most at risk of having cancer of the cervis. The case
for breast cancer screening is, however, less clearly established.
Although this is the commonent malignancy in women, killing
about 12 000 every year (more than five times as many as those
killed by cervical cancer) and is the commonent cause of death
in women aged 25 to 54, scope for its prevention seems limited.

Cardiovescular disease.

But the main cause of death in developed countries is arterial disease—particularly coronary heart disease and strokes. As the figure illustrates, together they account for roughly half of all deaths and coronary heart disease alone for almost half of all deaths in middle-aged men. A recent review said that "about half of all strokes and a quarter of all deaths from coronary heart disease in people under 10 are probably preventable by the application of existing knowledge."

This presents a major challenge for general practitioners, particularly because it requires a shift towards doing more health education. The need for this arises out of the fact that arterial disease—and coronary heart disease in particularsement to be largely determined by an unhealthy lifestyle and harmful habits. Smoking, overeating, faulty diets, excessive

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- synantric disorders Prevention of psychiatric illness has been especially neglected. The importance of psychosocial factors in illness presented to the general practitioner and the high proportion of patients consulting their general practitioner who have psychological illness highlight the potential scope for its prevention. Preventive action at times of life change, such as parenthood, retirement, and bereavement, may avert the development of psychiatric disorders and alcoholism and reduce the risk of self-injury and suicide.

Chronic disease

Chronic disease
Finally there are opportunities in general practice for tertiary
prevention—managing established disease so as to prevent or
limit disability or handicap. The careful supervision of patients
known to have diabetes, hypertension and other chronic diseases
is preventive medicine in a form which is perhaps mor readily
identified with the therapeutic role of the doctor.

All these aspects of preventive medicine require not only action by doctors—be it advice or "clinical" action—but also co-operation or "compliance" by patients. In case it should be thought that this problem is peculiar to prevention, we should remember that the fate of the medication we prescribe may be at least as uncertain as that of our advice.

entitle him to be so called; the second is the prevalent opinion that, in pursuit of the study of his great theory, he worked from morning him incepable of prolonged thought for more than about three hours daily. His success was due to the fact that he concentrated all his powers of thought on one subject, so that the yearly sum of the very few hours decorded on each day to such thought mounted to the his works, and by the great influence they have exercised on modern science and philosophy. More than one daily peper has compared Darwin to White, of Schoene fame; but they only resembled each other in being gential and scholarly gentlemen, lings in the country, by deficient worldly means. The author of the Natural History of Schoene stan as a profound thinker on deep hological questions, but rather an active observer of the habits and instancts of animals, which we had believed in that percursage manner and a pleasant literary by device we had believed in the percursage name and a pleasant literary with the sub-trivial process.

to have his own trainer; 13 had actually had a trainee since their appointment.

Reasons given for resignation (and for the lack of new applicants) were that the job is unpopular with wives and families and that, since in many instances the remuneration represents an insignificant addition to the income of a practice, partners although willing to accept time spent on the day-release course seldom make allowance for the six and a half hours a week our average course organiser devotes to his other duties.

Next we sent a questionnaire to the 180 course organisers in taking tainners. The response new two 50° c, 10° (80° c) replied to our first mailing and a further 18 to a single reminder. The table shows the numbers of course organisers in each region who were in post in December 1980. In two regions some course

	No	Age		Length of service (years)		
		Average	Range	. 2	2-5	5+
Nombern	12	45	35-56	3	5	4
Yorkshire	12	49	36-61	ì		5
Trent*	16	43	29-55	,	9	3
East Anglia	8	36	33-43	4	3	1
NW Thames	13	46	33-65	4	3	
NE Thames	14	48	36-55	3	4	6
SE Thames	19	47	38-61		7	•
SW Thames	9	43	33-51	3	2	4
Wessex	10	49	33-64	5	3	2
Oxford	10	44	34-57	3	2	
South West	13	48	36-61	2	•	6
West Midlands	17	43	32-56	5	9	3
Mersey	6	47	36-55	2	3	1
North West	ě	48	35-61	1		3
Wales	12	48	32-57	4	3	5
Total*	180	46	29-65	51	69	58

*Length of service unknown for one course organiser in each of these regions.
*Includes some course organisers with half-time appointments.

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Discussion

It seems that less than a third of course organisers have been in post for more than five years. This and the experience in our own region suggests that we do not have the network of general practitioners with a long-term commitment to education that we desired. A rapid turnover cannot be good for the well-being of training, and since there is no formal way of identifying and training, and since there is no formal way of identifying and training, and since there is no formal way of identifying and training, and since there is no formal way of identifying and training, and since there is no formal way of identifying and training, and since there is no formal way of identifying and training a successful that the course organizers with to take a trainer. About half the course organizers with to take a trainer as trainers, just as are those who are paid by the family practitioner committees should not also be eligible for further payment as trainers, just as are those who are paid from other sources. It can surely be left to trainer selection committees to judge whether those appointed can do both jobs. Is that all that needs to the committees of the commi

Our thanks are due to the course organisers, who responded so magnificently to our questionnaire, and to Michael Curwen for advice and help.

Whitfield MJ, Hughes RCW. The course organiser. Br Med J 1961;280: 21-3.