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# PRACTICE OBSERVED

# Practice Research

### Five preventive activities carried out during general practice consultations

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More and more emphasis is being placed on preventive medicine, particularly in general practice. Indeed, the BMJ has recently published a sense of articles on the subject. 11 Moreover, the exceptional potential of the consultation in general practice for carrying out preventive activities has been discussed. 11 Suitable preventive activities include measuring blood pressure, performing cervical cytology, modifying smoking behaviour, offering contraception, and immunising susceptible grist and women agreement practice. 12 The subject of these have been carried out in entertain practice. 12 The subject of these have been carried out in accordance of the subject of the subjec

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Methods

A random one-in-three selection of records of all women registered with the practice was taken using the age-sex register. Because the wind practice was taken using the age-sex register. Because the 1981 and 146 in 1982. Thirty eight patients were included in the sample for both years. Of these, 15 were not sear all during this time. The case notes were searched after one and two years for data on the five active study blood pressure was massured in the right. Throughout the study blood pressure event subsquared in the right. Throughout the study blood pressure close and the search of the throughout the study blood pressure close and the search of the searc

Results ——Sixty foot of the sample of 100 women had consulted me during the first year, which compares with other surveys.\*\* Over the two years 101 (96°), women had consulted me. This figure is lower than expected and is probably due to the high mobility of the population in this age group, with patients inoring and leaving the list frequently. For all activities the results were either maintained or showed improvement between the two years. Only for ruledli ammunity were the differences statistically significant. On the proposition of the

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Occupational Medicine

### Adventures in industry and aviation

During the same year that I became medical superintendent for Cunard I was approached by the newly appointed chief executive of an old firm of gas appliance manufacturers in Liverpool who also ran a brass foundry. He was fresh from ICI, where he was accustomed to occupational medical services, and he wanted such a service for his new company; The company's medical department was reached by crossing a machine Museum, running through a mist of cutting oil and a continuous haid of brass turnings, and finally reaching a filthy lawatory like enclosure. Here, an elderly man with emphysema and alcohol dependence dispensed elastoplasts without pausing between mouthfuls of crab sandwires, which he always seemed to be eating, and with a greasy index finger deffly removed brass foreign bodies from minuted eye. Committee, selected a safety officer, appointed two full time state registered nurses, and built into a gutted portion of a warehouse a medical centre of which I was very proud. Indeed it is still used. The factory had many occupational health hazards, in common with other light engineering works. Abbestos was a major problem and there were all the risks of a chrome plating plant. The noise and heat from the power presses that were inferno like foundry had luring in it a man with one eve who fettled brass castings without eye protection on a huge grind wheel that was also unguarded.

Know the workplace

An understanding of occupational medicine comes not from having a good medical unit or from a knowledge of legislation, or even from a training in toxicology, but from a basic appreciation of the workplace and the workforce. It is vitally important therefore to walk round the plant frequently and to look, listen, and talk to the workers. Then the job and its effect on their health Slowly but surely, with enormous help from management and the nurses, the attitude of the employees at all levels to health and safety was changed—not without resistance from many. Pre-employment medical examinations, executive screening, reviews of those working in hazardous areas as well as initial treatment on site were starred. It was most important to establish and maintain good working relationships among general practitioners, hospitals, cassairly departments, and consultants in the area. Reviews of the working environment enabled us to improve the factory and its safety and efficiency. An increase in productivity naturally resulted.

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My weekly visit was and still is preceded by lunch with the directors so that they may sak their own medical questions, many of which are unassociated with the factory. This regular meeting allows me to give my views on their occupational health needs. It also gives me an overview of the state of the business—when to develop a screening programme and when to remain tactfully silent behind a gin and tonic.

The formula was so successful that after a few years the group's cheft executive invoited me to extend the programme to all 10 states and the states of the states of

	No of women in sample	No who were rubella immune	No who had blood pressure recorded	No who had cervical smear	No with smoking history	No with contra- ception history
1981	too (64 seen)	19 (30)	17 (89)	37 (58)	49 (76)	55 (86)
1982	146	56 (55)	92 (91)	71 (70)	87 (86)	92 (91)

TABLE 11—Number of cigarettes smoked by women in sample (and percentage of women whose smoking behaviour unknown)

	No of women		
No of cigarettes a day	1981	1982	
1-10	10 (20)	9 (10)	
11-20	9 (18)	(5 (19)	
- 20	0	2 (2)	
Non-smokers	30 (61)	61 (69)	
No date	15	14	

pressure of -140 mm Hg or a diastolic pressure -90 mm Hg or both. Of these, only one was known to be hypertensive, one had polycystic disease of the kidneys, one was grossly obese and one was undergoing endocrinological investigations. In 1982, 12 patients (12"-) had raised blood pressure—wo of these were grossly obese. on the proportion of non-amokers in the sample, but this difference was not statistically significant. The roal contracepties pill was the most popular form of contraception in 1981 (64"-) and 1982 (60"-), as might have been expected. In both years the percentages of women who were pregnant, trying to get pregnant, or were virgins were similar. A few used barrier methods of contraception, and no create the husband "was sareful."

Both general practitioners and doctors in community medicine have suggested that general practice is the most logical setting for carrying out preventive medicine for organisational and financial reasons. \*1 'Others have argued that there is insufficient time in busy surgeries to practice worthwhile prevention. This study shows that it is possible to carry out a "package" containing five preventive activities within the time constraints of the consultation and that reasonable levels of preventive activities within the time constraints of the consultation and that reasonable levels of preventive activities patients is below average and that a consultation time of 10 minutes may be considered by some as a luxury. But these

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BRITISH MEDICAL JOURNAL VOLUME 286 4 JUNE 1983 figures are in line with the projected aims of the Royal College of General Practitioners for the further where levels of prevention are to the shows the general practitioner where levels of prevention are shows the general practitioner where levels of prevention are shows the general practitioner at some simple state of the property of the state of the property of

A package of five preventive activities, consisting of blood pressure measurement, cervical cytology, data on smoking, contraception, and rubella immunity is carried out in a north London health centre. Analysis of the results of these activities in a subgroup of young women aged 17-30 showed that it is possible to carry out reasonable levels of preventive activity in the ordinary consultation in general practice. If such a package the ordinary consultation in general practice, if such a package is a package of the proportion of the population could be screened in a short time.

I thank Dr Mary Boothroyd-Brooks and Ruth Garland, department of general practice and community medicine, Royal Free Hospital, for their help and advice.

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## Diary of Urban Marks: 1880-1949

Dlary of Urban Marka: 1800-1848
Marshall came comettion in June and Ivent over to Brook. I had had a very happy time with Eliworth, under whom I learnt a good deal of surgery. He operated once only in the week and that was on a Monday afternoon. We started at 2 pm and did the maior cases. We broke off at 4 30 pm for tea and cagneties and then resumed, often excepting Eliworth himself, who seemed to have an ineshasitible fund of energy and at the end of the operations appeared as fresh and cool as a daisy. The reason for the one long operating afternoon was well as the second of the company of the co

thermitic purpure. He was very decisive and the manner of his closest and burst were in keeping with this characteristic control of the day night he was suddenly seared with internal pains and comting after eating meat pies. He called in Dr Begg and told him that this was cerebral vomiting due to hearnorhage on the brain and quietly remarked that he would be deal before morning. Begg, of course, Elsworth became unconscious and died about 4 am on Sunday morning. At daybreak on Monday he was bursed at Oystermouth Cemetery, the sole mourner being Dr Begg. This was in accordance Cemetery, the sole mourner being Dr Begg. This was in accordance stable, very tiny at that, on which are carred his initials RCE. Underneath are his welf's initials. She survived him a short time but hereif was a chronic invalid through paralysis. Elsworth had taken a house internal pains which her husband diagnosed as gail stones. Without more ado he bundfed her into an ambulance car and himself drove her into Swanses, put her into a nutring horne, and with superme self confidence in himself operated then and these successfully. She death had devoloped paralysis. Truly Dr Elsworth was a remarkable man.

QE II

This led to perhaps the most interesting assignment in my carret in occupational health. I was asked to design and equip the hospital of the QE II., at ask very much to my liking, for as an architect's son I was well used to plans and planning. I worked with one of Cauradt's young naval architects, planning what was to be the largest and most modern floating hospital in the world. I was 58 at the time and calculated the working life of the ship to the world it was 58 at the time and calculated the working life of the ship to eremainder of my own. I sho was conscious of the role played by the Queen Mary and Queen file. But his world it was 10 at the world. I was 50 at the world it was 10 at 10 BRITISH MEDICAL JOURNAL VOLUME 286 4 JUNE 1983

Tuesday morning. After the collapse of British Eagle the Civil aviation Authority allowed me to examine all categories of

Avation Authority allowed me to examine all categories of aircrew. Most of my work with Ellerman's was providing primary care to seafarers on their ships berthed in the port. Once more my continued general practitioner status was extremely important, and I was again brought into contact with Indian and Pakistani crews, the nationalities now on separate vessels owing to the conflict between their countries. The experience I had gained years before with Clan Line and Brocktebank proved invaluable. My passion for Asian food on board was recharged, and again I suffered from a penistent "curry gastritis." This condition is very prevalent in the crew members and the highly spiced diet causes peptic ulceration in many of them.

## Oil refineries

Oil refineries

The large oil refineries of Merseyside were supplied with crude oil by enormous tankers, and when an opportunity arose to provide them with general practitioner services during their rapid turn rounds I accepted. The position was well paid but on the provide them with general practitioner services during their paid turn rounds I accepted. The position was well paid but opportunity dangerous. Waiting on a windwest planding stage in the middle of a winter's night for one of these huge ships to come alongside, never at the scheduled time, then to climb seemingly endless ladders swinging limply from their oily, salty black hulls, was difficult and often frightening. I can remember no occasion on which the seafarers, whatever their nationality, were not particularly kind and courteous grateful for every help that was given, even if sometimes a triffe demanding and insulated from the trequest for 40 heters are yearniamons, with no advance notice, at 400 pm on a Sunday afternoon and full reports by 6 00 pm was unreasonable whether through the National Health Service or the private sector of medicine on Merseyside.

Ship owners know that to divert one of their tankers for any reason, including illness, is extremely costly. None of the vessels that I was concerned with carried a doctor but they were manned to course of instruction in various disciplines and with well developed learning skills. I suggested to Shell Tankers UK that the normal first ad course was inappropriate for their needs, even if coupled with the advice contained in that excellent volume The Ship Capitani's Medical Guide, which I had contributed to years before on behind of the then Board of Trade. I therefore ran for several years a two day course held every two model links to of a multistropy car parks the promitty of pubs, clubs, and "brottels" careered for the sailor's every tast after the ciulis of the day and made attendance on the course convenient and opopular. Instruction was given by demonstrations, visual and other aids, and