# PRACTICE OBSERVED

### Practice Research

### Detection of patients with high alcohol intake by general practitioners

A L A REID, G R WEBB, D HENNRIKUS, P P FAHEY, R W SANSON-FISHER

Abstract
General practitioners have the potential to treat patients with
actools problems effectively. Despite the medical implications of
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the transport of the problems of the problems of
the transport of the problems of the problems. The
aim of the study was to investigate the accuracy of 5 randomly
chosen general practitioners in detecting which of their patients
were recruited in general practitioners with a problems of the problems of
substitute of the problems of the problems of the problems of
substitute of the problems of the problems of the problems of
practitions general practitioners were asked to indicate the
patients level of alcohol intake. The results showed that general
practitioners correctly identified only 75.7% of patients who were
classified as "moderate to heavy" drinkers,
defined by them as drinkers who consume four or more standard
drinks a day. These findings have important implications for
clinical practice since they indicate that general practitioners are
failing to perform adequately in an important area of preventive
medicine. This issues needs to be addressed in undergraduate and
postgraduate medical education.

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- . The study was part of a large research project undertaken by the Newcastle-Primary Care Research Group.

A curous paradox exists concerning alcoholism and the medical profession. On the oor hand, there is an insistence on the medical profession on the oor hand, there is an insistence on the medical oncerp of alcoholism and the necessity to treat alcoholism as a disease like any other. Alcoholism passes as sense beathy problems which can lead to a well documented partern of medical problems as well as to discusse the suppose of the passes of the pass

atcholocs among general practice patients are recognised as such by their doctors.

Studies that have investigated general practitioners' knowledge of patients with frunking problems have generally relied on medical records or on the practitioners' recall of the numbers of alcoholics in their practices." Such methods are notoriously unreliable owing to the inadequacy of medical records' and faulty memory. A more recent attempt to gauge the accuracy of doctors in detecting patients with alcohol problems entailed a direct comparison of general practitioners' inadigeness about alcohole, pusients with those identified as "probably alcoholic." By the Michigan Alcoholism of the tracking of the test, when used with general practice populations, to classify patients incorrectly as alcoholic." Difficulties in identifying alcoholics for researchs studies can be traced to problems of defination. Thus in this study it was decided to focus on the quantity of alcohol consumed by patients, assuming that excessive consumption indicates a risk to physical health. The aim of the study was to ascertina the degree to which general practitioners detect patients who consume alcohol excessively.

Method

Data for this study were collected as part of a large descriptive study to
unwestages quality of care provided by general positioneers. A random
snapple of 100 general practisioners was absided to participate in the study, in
which a videotage of doctor-patient interactions was examined. The simple
of \$252 patients was recruised in the watney from of consenting general
practitioners. Patients were elaphile for archinos of they were aged 18 years
or more, could speak and read Edglanh, were willing to have their
consistancies videotosped, and were not too ill, or in too much pain. To
complete questionation.

### PROCEDURE

PROCEDIE

Prizers two basered to pericapite completed questionnairs while writing to see their general practitioners. The questions relating to alcohol consumption employed a quantity frequency format. The first question relating to alcohol consumption employed a quantity frequency format. The first question "How often do you usually drink alcohol-live marked the frequency component. The patient was asked to induction one for all retractives, ranging from no consumption of alcohol to dauly drinking. The second question. "This all we when you drink alcohol-live many drinks do you consumed on a drinking day. One standard drink was defined as the consumed on a drinking day. One standard drink was defined as the questioned of the price of t

of lights, moderate, and heavy alcohol consumption in standard drinks per Migh rail drinkers among the pittents were destudied in two ways. The first method used the criteria set by the Australian Medical Association as moderative of alcohol consumption levels that are insurrous to health—that is 60 g of alcohol it day for men and 40 g a day for women. Such drinkers were potentially that the second of the second in the second of the second properties with the properties of consumption into grants of alcohol consumed per day. The general practitioners level of accuracy in detecting these high risk drinkers was jueged by comparing potents who had been destinated as work of the second properties. Second of the second properties who had been destinated as well destinated as the second properties. The second properties who had been destinated as well destinated as the second properties of the second properties of

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of low to medium risk drinkers, as defined by the criteria, identified correctly by the general practitioners. But risk drinkers used the alcohol onouniques levels that the general practitioners perceived to reflect moderate to beav's drinking. They were not asked to indicate separal levels for men and women. The general practitioners' ability to direct moderate to beav's drinking. They were not asked to indicate separal levels for men and women. The general practitioners' ability to direct moderate to heavy akolod consumption in their patients, using their own criterion, was then compared, and sensitivity and specificity values were determined.

Results
From the random sample of 108 general practitioners, 56, 54% agreed to
participate in the study. Of the 5253 patients approached, 2934 69% met
the critera for elaphibity, 497 declined to participate, and questionnaises
from 556 patients were not completed, leaving a sample of 2081 Of theedata from four patients were not another decause the vera anot destinide
After transforming the quantity frequency data obtained from the
potential form of the study of the study of the study of the form of the
form of the study of the study of the study of the study of the
folial Association critera. The detection by general practitioners of this
high risk group is given in their assessment of a patient as a moderate to
heavy dranker. Table I summarises the results
Sincery per cross of the general practitioners indicated at the end of the
study that four or more dranks afor constituted moderate to heavy dranking
classified at moderate to heavy dranker. Table II summarises the detection
of drankers using this definition of high risk.

TABLE 1-General practitioners' detection of drinkers at risk, as defined by the Australian Medical Association criteria

	Colera	
Detection	High risk drinker n = 40	Low to medium risk drinker n - 203*
Risk detected	11	1,
Rask not detected	.90	1952

Sensitivity = 11 40 × 100 × 27 5 Specificity × 1952 2037 × 100 = 95 8

TABLE II—General practitioners' detection of droikers at risk, as defined he the general practitioners' criterion

	Criterion		
Detection	Moderate to heavy drinkers n=168	Light and non-drinkers n - 1911	
Rask detected	76	173	
Rusk nex detected	92	1746	

Discussion

The apparential low rate of participation by general practitioners in the study can be attributed to the potentially intrusive nature of the procedures, which included violeotaping consultations. Pre-liminary analysis of the larger study, of which this was one part, indicates that participants tended to be young and were likely to be members of the Australian Medical Association and of the Royal Australian College of General Pactitioners upophished data; which rause questions of the representativeness of the sample of general practitioners between the Australian Medical Association.

The discrepance between the Australian Medical Association of drinking confirms previous findings that what general practitioners believe are limits for safe alcohol consumption are lower than the recommended standards. Unfortunately, because the practitioners were not asked to indicate different consumption

BRITISH MEDICAL JOURNAL VOLUME 293 20 SEPTEMBER 1986 levels for men and women it is not known whether they perceive different risk levels for each sex.

The general practitioners identified correctly as moderate to heavy drinkers only 27.9% of patients who were classified as high risk drinkers using the Australian Medical Association circitanguist drinkers with high levels of alcohol consumption are probably a relatively small proportion of the general practice population. The high specificity value of 95.8% therefore is especied. In addition, general practitioners is denified only 45.7% of patients who drinks at levels which the doctors considered to be moderate to heavy dinking—the state of the drinks of the state of the sta

general practitioners with such patients," this is unfortunate. The reasons for the low level of detection need to be examined and the subject dealt with in undergraduate and posigraduate medical education. Emphasis must be given to the responsibility of general practitioners in detecting, treating, and referring patients with alcohol problems.

- References

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## Essays on Practice

### Quality in general practice: case for the consumer

D P KERNICK

In the British system of general practice patients are free to choose between equal general practitioners who act with minimum regulations and with clinical and organisational freedom. In common with other professions they are able to determine the nature and extent of their work, existable the content and requirements of training, and organise the delivery of primary care.

Since the GPT-Charter in 1985 general practice has had over 20

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years of isleal conditions in which to flourish: a monopoly position, a largely open ended budget, and independence to offer services. What has evolved, however, is a patchy, unintegrated, arbitrary, and often ineffective system of care, where financial incentive often loosely determines what is offered. This system has done little to narrow the division between morbidity and social class and in general provides the worst services in the areas of greatest need. Contraception, maternity care, developmental assessment, including the contraction of the contract

In the classical model of British general practice the consumers have freedom of choice. Doctors who provide good services attract patients and thus income from doctors who do not. In many countries there is direct competition not only among general practitioners but also with hospital specialists. In Britain, however, and the providers are supported by the providers when the providers were represented by the providers with college of General Practitioners highlighted these difficulties and also reported that there was discrimination against groups such as closlege of General Practitioners highlighted these difficulties and also reported that there was discrimination against groups such as closlege of General Practitioners highlighted these difficulties and also reported that there was discrimination against groups such as closlege of General Practitioners highlighted these difficulties and also reported that there was discrimination against groups such as clarely people and people who are chronically iii. Furthermore, many community who want to hange their doctor. The lack of information about the services and facilities offered by a practice also operates against consumer choice, though pressures from outside general practice are forcing changes in the restrictive and insular traditions of the profession. Thus, although the argument of consumer selection may be sound, in practice there is little direct competition between discorns, and they will now automatically lose patients of they provide account of the provider of the providers of the pr

no stiff, nearly two furths of deciron had no ophthalmoscope, just over half had a vaginal speculium, and one doctor had no sphygmonnanometer.

A report from the Royal College of General Practitioners on a survey of the care of common conditions highlighted "japs in clinical knowledge" and reported that some general practitioners provided answers that "suggested defective knowledge." In the treatment hypotentistion, for instance, lack of follow up has been tennent to the properties of the stance, lack follow up has been confirmed in several studies.

Perhaps the most relevant and unequivocal area of assessment is direct consumer review. In a study of terminal care in Sheffield Wilkes found that 37% or felatives were critical of general practicitioners and 16% resemful because visits were or grudging or rare. In a review of a highly selected group of general practitioners and 16% resemful because visits were significant to the advictor for the authors felt that this was a "disquieting and major criticism of general practice."

Furthermore, general practice has changed from a disease oriented discipline to one that takes in other aspects of care, including social and psychological, in which actificately health care workers are concerned. General practitioners are becoming part of a tender of the practition.

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Clearly, a dual system of care has evolved within the National Health Service. On the one hand, standards of care are high and generally progressive. On the other, a restricted range of services and clinical standards is offered, mainly in areas where need is

and clinical standards is offered, mainly in areas where need is greatest.

Most practitioners do not accept this thesis, although the Royal College of General Practitioners accepts the need for change and has proposed a doctor oriented package of training, self assessment, and financial incentive. The college also emphasises that change should come from within the profession and be gradual, though this truns that the profession and be gradual, though this truns has arisen from external pressure, and the recent introduction of the limited list confirms that change can be swift and successful. It does not augur well for the scope and speed of voluntary progress to know that the only universal achievement of the profession is that shortly trainers' notes will be arranged chronologically and include a summary of treatment.

More recently the government has offered an "agenda for due of the content of the content of the profession of the content of the con

Conclusion

In every profession there is a difficult balance between the rights of the consumer and the interests of its members. In general practice a dual system of care has evolved which is unacceptable in a national system of care has evolved which is unacceptable in a national system of care has evolved which is unacceptable in a national suppreciable change will not emerge from 3000 independent contractors. Most proposals to date offer financial incentive to improve practice, but this appreciable choice centred and ignores the more urgent needs of the consumer.

A consideration of other structures is beyond the scope of this page, but perhaps a more realistic and accountable system would primary health care system. The framework in which the doctor worked would be laid down by the family practitioner committee, working closely with the district health authority. The contract, possibly renewable, would include minimum standards of practice and premise and specify the services to be offered, which may vary continued to the contraction of the processing of a salared employee and ensure a more accountable and uniform level of practice without detriment to the areas where standards are already high.

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