BRITISH MEDICAL JOURNAL VOLUME 291 21 SEPTEMBER 1985

PRACTICE OBSERVED

Vocational Training

Is the distribution of training practices appropriate for the needs of general practice?

T S MURRAY

Health Issaed	No of general practicament principals	Noval trainers	Transcrium "o of general practitioner principals
Argell and Clyde	790	25	14
Avrahere	224	18	10
Dumfrier and Gallen in	10,	16	15.7
Lanarkuburc	.790	16	**
Forth Valley	178	16	***
Gresser Glasgow	6,7X		**
Lotal in region	1713	140	* 2

Area	No of general practitioner principals	No of trainers	framers as Newl general practitioner principals
Hamilton Lau Kalbride	110	9	1.2
Motherwell 5 Indeedale	96	3	3.1
Monklands Cumbernsold	12	4	4.9
Local on Lanarkshore	290	16	***

Area	No of doctors	No (N) of trainers
Voters	140	11 .7 91
Nontern	120	11 .9 2
antern	123	1 (6.5)
outh cmt	152	4 :5.9.
South west	43	10 10 7
	621	49 (7.8)

RRITISH MEDICAL INCIRNAL VOLUME 291 21 SEPTEMBER 1985

BRITISH MEDICAL JOURNAL VOLUME 291 21 SEPTEMBER 1985 disillusionment followed by the adoption of the standards of those who practise around them. Thus a month's elective might provide the trainer with some experience of working in adeptived area. It would also be unvaluable and the series of practice was not be particularly relevant now as the choice of practice was not be particularly relevant now as the choice of practice was not be particularly relevant now as the choice of practice was not be particularly relevant now as the choice of practice was not be particularly relevant now as the choice of practice was not as the series provide a high quality of care, which is desirable for the trainer to see. But in the doctor who has trained in this environment prepared see. But in the doctor who has trained in this environment prepared to be seen to the series of the series

BRITISH MEDICAL JOURNAL VOLUME 291 21 SEPTEMBER 1985

Practice Research

Clinical trial of common treatments for low back pain in family practice

J R GILBERT, D W TAYLOR, A HILDEBRAND, C EVANS

of Family Medicine and Clinical Es viology and Biostatistics, University, Canada T. MD. professor of family medicine and c. voil epidemiology and

INCLUSION OF EXCLUSION CHITRIA FOR PATIENTS.

All prisers who presented with two beck pain to 22 perticipating physicians over 10 months were considered for the truit. Provision over 10 months were considered for the truit. Provision of the provision over 10 months were considered for the truit. Provision in urban areas, and cared for an average of 2000 patients. Plant eighbei of the weare over 16 years of age, had pain in the humboust with or without radiation down the leg, and had been free of back plant 30 and potenties the current epached. Plantints were excluded if abnormal sensation, motor power, or refuses or if their support in the provision of the provision of the provision particular disease, presented of the provision particular disease, presented disease. Preparation disease. Preparation disease. Proparation disease. Proparation disease. Proparation disease. Proparation disease. Proparation disease. Proparation of the provision of these Provisions and the provision of the provision

BRITISH MEDICAL KNIBNAL VOLUME 291 21 SEPTEMBER 1985

795

BRITISH MEDICAL JOURNAL WOLUME 291 21 SEPTEMBER 1985

	Bed rest and physicitherapy and refusition in 65	Physiotherapy and education in 62	Bed rest (a - 66)	Cantrol n = 65
Agr (years)	40 7:141	41.7 (15.3)	40 0 (14-9)	40 1 14 5
Sea (M. P)	32 43	29-11	30:30	37 28
Referred pass (%)	28	11	33	29
Workman's compressation				
control %	12	16	15	11
Straight leg raising (worst leg				
· 70 degrees · S	42	47	54	54
Lumber Graces (cm)	40 (24)	4.6 (1.8)	4 2 2 0	40 19
Activities of dealy living* 0-100	40 4 16 4	15 9 (13 7:	No. 1 (11-1)	16 6:12 4
No of prior epinodes				
• ' '	21	11	17	21
14	25	27	29	24
7-5	19	16	12	17
McGrill pear scale				
Total score	240 74	22.7.4.7	25 2 (# 6)	25 1 (6.9
Word count	14.7:25:	117.25	14 9 3 4	14 8 11 0
Duration of pain 0-54 - days	41.24	10 12	29.31	35:30
Pain intensity mederate severe	36.79	97.25	31 29	40-25
Para medication make make	42 23	44 18	45 15	46.19

Nor Referred pain: pain radiating into one or both legs. "Higher scores indicate preser impairment."

Paneus daily duary—Bed rest produced a significant, but small, increase in patients 10 day report of "restrictions in daily activities" (p-0.048). No est of both ers of physiotherapy was observed for the 10 day total score (p-0.048) and "improvement" (table II). Analysis using the Cox model owed that both ers patients took 47% longer to report having achieved a ormal level of activities" (p-0.004), whereas patients who were random-

	Bed rest and physiotheraps Physiotheraps and edication and edication		Bed rest	Control	
	. 40	n 41	n 47	n 48	
Improvement	22.27.5.14	21.30 6.92	21 mm m 54	21.54 6 11	
Activities	24 35 B 75	21 44 9 22-	24 34 10 04	20 90 1 46	
Pan	24 77 5 22	25.94 7.47	24 15 7:12	22 88 5 88	

TABLE 111:—Rate of change in physical and prochelogical scales during physicane tollow up mean SD

Personal and personal personal personal columns and columns and columns and columns are	Physiotheraps and robustness	Bed rest	Centrol
0 41 10	0 % 1 57	1 96 1 11	1.21 7.96
0.15.0.40			0.18 0.24
7 04 1 91.		2.41.2.34	2.29 1.99
1.22 0.88	1.27 (1.29)	1 46 1 44	165 131
0.71.048	(1 M) (1 h)	most mark	1 01 6 72
	0 % 1 70 0 15 0 40 2 04 1 91 1 22 0 88	physiotheraps and observed and observed 0.94 (1.70) 0.94 (1.52) 0.15 (0.40) 0.12 (0.24) 2.04 (1.91) 1.54 (1.39) 1.22 (0.38) 1.27 (1.29)	physiotheragis Divisiotheragis and otheration Bed rest 0 ma 1 20 0 % 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1 %

No. Arright kig resing and further those are expressed indiviewe and incompressioning per date respectively. The actions of dath forms and Metall Milevik pure scores those average reduction in actions sections and pumper date respectively.

physiotherapy and education programme on the activities of daily living scale (p=0.05). Although no other significant effects of either bed rest or the physiotherapy and educatiou programme were observed, the trend in the other four measures also went against the physiotherapy and education

	Bed rest and physiotheraps and education	Physiotherapy and color at no	Bed rest	Control
		No treels		
	n 61:	n 40	n 4	n SE
Present pain				
None	- 44			11
Miki	14	15		
Marc than mild	11	12	14	16
Rosentines				
Nume	41	45	21	81
1 attic	13	12	12	15
More than a little	12	13	le	12
		/2 synth		
	m 61	n 62	n 57	9 60
Process peus				
None	47		44	41
Make			4	10
Mary than mild	10			10
Besterings				
*	43	47		40
Lattle	10			13
More than a little	10	7	12	

Recovery analysis—Recovery was defined as either the first follow up assessment by the physication on which both the patient and physication reported that pain was no worse than mild, or, failing this, the telephone follow up on which the patient reported that pain was no worse than mild Analysis using the Cox model showed no effect of either hed rest or the physication year. The contraction of the patient properties of the patient properties of the physication years contracting the patient patient of the physication years contracting the patient patie

TABLE V-One year	lollot: up
------------------	------------

	Hed rest and physiotheraps and education a not	I'm so theraps and oducation p. 39	Red resi	Gentre n St
	4.0			
Present pain				
Note	1"	14	· · ·	45
Mald		12	11	1.1
More than maki	17	14	10	
l'es tre monto				
Frourts v of rest				
None	14	le.	14	16
Once a month		.70	.00	1.6
More often	20	79	19	30
Internals of page				
Sugar	14	le.	14	16
Maki	18	. 12	12	16
Norw.		ü	37	37
Residentes				
No. of C	4.7	47		41
Oncertan	- 0		11	11
More office	17	15	14	
Seath hele from				
a providence and	4			

No beneficial effects on clinical outcomes were observed for either bed rest or a physiotherapy and education programme among patients who presented with low back point to 22 physicians in family practice. In fact the diary and final follow up assessments by the

BRITISH MEDICAL JOURNAL VOLUME 291 21 SEPTEMBER 1985

that from this starting point the cart will follow the horse and debates on the role of health visiting in the antenatal period will be grounded on a better knowledge of practice and not prescription.

Methods

All of the general practitioners in Lescestershure and central Birmingham, and the community molecules and health visitors from central Birmingham, and the community molecules are considered and the community molecules, and 12d health visitors who worked in each district health authority. Three hundred and fifty are greened precisioners, 4d community molecules, and 12d health visitors who worked in each district health authority. Three hundred and fifty are greened precisioners, 4d community molecules, and 12d health visitors who worked in each district health authority. Three hundred and fifty are greened and the community molecules. Responses from postal exceptable in relation to other comparable visitories. Responses from postal exceptable in relation to other comparable visitories. And 18d personal interviews were conducted with general cases and 18d personal interviews were conducted with general Gairy and the rest of the Lescestershire district health authority, which is namely a matter of or material towns and rural areas. Because the populations that health visitors were expected to deal with had different social characteristic and the control Birmingham. 3d I from Lescestershire, which is referred to here as the country.

1). Most health visitors had some qualification or training in antenial care and obscarion. Over half had midwitery qualifications, and nearly 69% had worked as midwise. Though mughts a quarter had not been trained in antenial education during health visitor training, just over half had been not training in an attenial education at training health visitor training in attenial education at least and training in attenial education at least and training in attenial education at least and training in attenial education at The average number of new bubbes born form January to November 1983 was 110 for Lexicistre City, 91 for central Brimigham, and 27 for the county. These disparant gigures cannot be affected in the proportions of those who worked part time and full time in each of the exerc smaller.

bifringionis.

A proposition of the proposition of

find histories — two often too will hear what they want you to hear, not what you want to hear.

This was emphasized by an Asian general practitioner who spoke everal Asian languages. — In the level of communication that is a bug problem— in Asian languages.— In the level of communication that is a bug problem— and practing the right word, using the right removleapy.— It is no difficult to communicate even for the children who are born in Braina. Sometimes children come with their mums and I say. — Look worr mum is perfectly well.— or She has worre, problem—moduling medical. "Children even to understand it very well. But the mothest won't latent. Even the children find it difficult to communicate with their on parent. It's be give problem—Thould difficult to communicate with their on parent. It's be give problem—Thould difficult to communicate with their on parent. It's be give problem—Thould difficult to communicate with their on parent. It's be given become "Thould difficult to communicate with their on parent. It's be given become "Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould their communicate with their one parent. They also problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent. It's being problem—Thould difficult to communicate with their one parent.

general practitioner focused on the blurred boundary between translating and interpreting in consultations which involve complex conceptual and wider cultural menaign held by lay people and professionals. Many health vasious agreed that "interpreters are bocoming more important for our job in an increasing minimized abscript," one fewer than 10 pregnent wement throughout their work during the month before the survey and a third had seen none. The few health visitors who alse end 25 or more pregnant women were concerned in parentical classes and were likely to work in the country. Though half the total sample reported that they were concerned to some and a half in Licicetter City made such a contribution compared with two thirds of the country group.

(5) Apart from parenticraft, bealth visitors were concerned very little in antennat care. Only seven work during the situation of the third work of the country in the contribution of the country of 40 health visitors. "Twenty-nine health visitors were involved in parenticraft classes and seven in antennat claims. Although all the health visitors left than they should meet pregnant women and visit them in the country of the present contribution compared works the contribution compared works the contribution of the country of the present contribution of the present in antennat claims which the visitors from mineratal work caused discontinuity between their antennat and postnatal care. Over half the central Birmingham and Leiester City samples had necesser to the antennatal period (table 1) the women whom they visited postnatally.

	Alm No		l co	than a	A.	-el press	Mor No	citon	2	١.
Lounter Cate p. 31	17	**	•	16	4	11		10	2	
Create a 61	21	44	10	16		11	16	26		10
Contral Bermmeham n 12	17	5.8		25	4	12			1	-

molewise.

17: Respondents overwhelmingly believed that a major reason for their low input into antenatal care was the unreliable communication procedures among members of the primary care team. Poor liaison isolated health viations from the general practice.

Three quarters of the health viations reported that they discussed individual pregnancies with midwives and two thirds did so with general practitioners. Such discussions were less hidely to lately place in certail Brimingham, where lever than ball of the health viation reported such exchanges with general practitioners. Such left. All the midwives and their midwives and their

dreument with	No	m; n 11	No.	٠."	Central Bermingham n
General crastimaner	21	0.7	45	24	14 44
Madwate	36	**	41	*1	21 65
America health visitor	14	6.	21	u	13 40

their discussed individual cases with general practitioners, which was confirmed by the general practitioners, who also pointed out the lack of contact with health visition in this regise; The coloition of the health visition became more apparent when data were obtained about meetings when general issues on internal dura and obtained with learned Tabbell failed practitioners and health visition, were held least frequently in central farmingham.

Variations in the organisation of the work of health visitions in each area may have contributed to the difference in the cities of their concern in wars have contributed to the difference in the cities of their concern in were attached to general practices, whereas this was rarely the case in central firmingham districts health authority. A Brimingham districts health authority.

physician favoured early mobilisation over bed rest and suggested that the physiotherapy and education programme was doing more harm than good. Although this trial was not designed to assess the efficacy of differing medication regimens, our analysis comparing minor emajor medications showed no significant differences on any of the clinical outcome measures. Since the assignment of medication regimens to patient was performed by clinical judgment, nor random allocation, this result must not be overniterpered. The physiotherapy and education programme was excellent these negative results cannot be explained by poop patient compliance. Moreover, further analyses which focused on clinically interesting patient subgroups (including scute e chronic case and subgroups defined by the severity and duration of the presenting episode) showed no subset of patients who benefited from either of the treatments under study. The proposed of the presenting episode is showed in subset of patients, who benefited from either of the treatments under study, thus do not appear to depend on characteristics of the patients who were entered into the trial. Although treatment effects were negative, several baseline patient variables were consistently related to the outcome measures in a clinically sensible direction. Recovery was slower with increasing age, longer duration of the presenting episode, and with greater impairment as assessed by both stratight leg raising and the activities of daily living scale. People who were receiving workman's compensation were dividence for the validity of the outcome measures used in this trial, as they are consistent with both the findings from other studies and the common clinical impressions about patient variables related to recovery.

We failed to identify any clinically important benefits or the

ecovery.

We failed to identify any clinically important benefits or other splanations for these negative results, and thus there is little reason.

BRITISH MEDICAL JOURNAL VOLUME 291 21 SEPTEMBER 1985 to prescribe either bed rest or isometric exercises to patients in family practice who suffer from low back pain.

We thank the following physicians for participating in the study: Drs P Barriager, M Beer, M Brennas, D Davis, C Evans, J Feghtner, N Pett. M Johnston, W Kellington, W Kennedy, D Kriftcheck, E Kwong, B McMeckin, C Moore, I. Nish, M Papros. R Parker, M Rafast, V Rudank, H Scholens, J Scheter, William.
This trail was supported by a grant from the Ontario Ministry of Health (DM 500).

References

Limit Water, M. Jorean MD. Young MSS, P. of Controlled 19th of Inhabition and Impalements of present sets to head pass a partial price. B Mod J 1976a 1318-00.

Rendel PH, John J. Electronic in Section 4: a depth below control of all Photological Control of P

Survey of health visiting in antenatal care

FRANCES McCABE. YVETTE ROCHERON

The range of the health visitor's work is expanding. To find out what antenatal work health visitors actually carry out and what their attitudes towards such work are we surveyed general practitioners, midwives, and health visitors in three district health authorities. The results indicate that health visitors are qualified and willing to work with women in the antenatis

Introduction

The debate in Britain about perinatal mortality rates and their relation to inequalities among the social classes has led to a discussion of the roles of health visitors in the care of women. For instance, an editorial article in the Health Vintor in 1979 agreed that "the active involvement of the health visitor in antennal care would appear to be essential in order to reduce the number of children who

Centre for Mass Communication Research, University of Leicester, Leicester LEI 7LT

FRANCES McCABE, sun, its, development officer YVETTE ROCHERON, no. 1910, research associate

are at a disadvantage even before birth." Long affer the Short report, which endorsed this view, the debate still reverberates. Perhaps this is not surprising since health visitors are now being asked to work for a wider range of client groups, especially the elderly. Furthermore, any appreciable changes in the role of a profession depend on various factors that affect renning, work and a state of the sta

Furthermore, the recent reorganisation of the health service had created some manageral disruptions in central Birmingham district health authority, whereas the boardners of the Leuceterishire district remained largely whereas the Sundaires of the Leuceterishire district remained largely whereas the Sundaires of the Sundaires o

Health courses meet	L.	estar .	41	Contract		Care	ral Birmungham n 3
General practications		.~		12	20		19
Materino		14					2.2
Other health restors	10			12	4x		41

This was not conductive to developing frequent and reliable communica-tion procedures among health visitors, general practitioners, and community andwives. When belieft to visitors were sheef how they were kept informed about new antensatal axes about half reported that they were constitutes told formal procedure. Only a third operated to "final one of the other through parentizati classes—that is, later in pregnancy, and a few through general practices," this the case of two OFF Leg en will continuous from their receptionist. With the other two OFFs, I fook in their antensatal notes bot Health visition generally had to rely on their own instatives, to get information about new antensatal cases, although occasionally meetings at the surgery provided lianous. "One a smith a last from the hospital is proceed round at group meetings. The secretary at the surgery gives me a typed list of "Hospitals were nother tera a source of information. Only I health visitors."

the utgest provided hands. "Once a month and from the hospital is passed prepared musics." The security as the surgest power as typed into the prepared musics. Hospitals were no better as a source of information. Only 14 health visuous were "often" informed of uses through their lead hospitals, smalls where a lianso health visuous was appointed, and only how were "often" informed information procedures were existinghed, health visuous could still be useful information procedures were existinghed, health visuous evaluated to see—than in, the promagnedus and somen with speech assisted to see—than in, the promagnedus and somen with speech assisted to see—than in, the promagnedus and somen with speech to the still the second of the second second to the second second to the second second to the second second second to the second second

Discussion

The results of this survey indicate that health visitors are well qualified and willing to extend health visiting to the antenatal period. Nevertheless, impediments to such work are wider ranging. These include heavy case loads, tack of adequate information about antenatal cases and missed antenatal appointments, and a lack of close lasson with general practices and obstetric units. Furthermore, the work of health visition in inner city areas is even more difficult because there are few language interpreters available. Geographical attachment may also contribute to the isolation of the Geographical attachment may also contribute to the isolation of the total process of the contribution of the colorious of the contribution of the colorious of the col

metrium MEDICAL JOURNAL VOLUME 291 21 SEPTEMBER 1985 between health visitors and midwives might include attachment to a practice for midwives: practice for midwives and the primary care team confirm that working relations and communication within the team can be inadequate. It as such areas, expecting health visitors to increase their antensata work might cause contention between the professional groups and demoralisation for health visitors, who do not have the resources to provide a preventive and supportive service for parents at house.

womains and contribute network for protessonal groups and womains and contribute of the provided a preventive and supportive service for parents at home.

This brings into question the value of further abstract recommendations on the role of health visiting in the antenatal period. Although this role urgently need to be clarified by training boards and professional associations, the discussion must go beyond its supported by the Health Visition? Association and the Roval College of Midwives. "Specific guidelines need to be developed to facilitate decision making at the level of the district health authority and general practice. Improvements can be made without major expenditure. Clear polices on animalat care that define not only the expenditure. Clear polices on animalate are that define not only the expenditure. Clear polices on animalate are that define not only the expenditure. Clear polices on animalate are that define not only the expenditure. Clear polices on animalate are that define not only the expenditure. Clear polices on animalate are that define not only the expenditure. Clear polices on animalate are that define not only the expenditure. Clear polices on animalate are that desire not only the animal proposed to be established minimal to the state of the expenditure. Such as the clear policy of the expenditure of the expendit

Acceptance in Notice tentral and acceptance of the design of Mark State 127-32 Mar. 2.

2 South Stress Continues to an adopted the first and arms commits 197-32 permand and stress from the state of more commits 197-32 permand and stress of the stress of