PRACTICE OBSERVED

Occupational Medicine

Civil Service

P J CONSTABLE

After marily two decades in general practice and with the exuberant teaching of Donald Hunter impressed firmly on my teach of the control of

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uon at work. Safety officers monitor the environment in their own departments, but when more detailed investigations are required—such as an occupational hygiene survey—special skills are sought from within the Civil Service or from commercial or academic bodies.

Population at risk

The popular image of a Civil Service is that of a sedentary office worker in a low risk job, cocooned in the mysteries of policy making, administration, or clerical work. Although there are many staff so employed the range of occupations in the Civil Service is and the ministration interest to the occupations. In the Civil Service is an expectation of the company of the laboratory worker are prominent in our work. But in the Civil Service there are people in many specialised occupations, such as divers, air traffic controllers, forestry workers, printers, veterinarians, geologiests, engineers, and policementhe list is long and a variety of queries may arise. Moreover, civil servants come in all shapes and sizes and standards of health may range from the Olympic atblete to the severely physically handicapped person who requires special aids and supervision to work full time.

Nature of work

Some of my friends think that my work must be largely administrative. But mostly it is leg work with a large clinical content. Although the main policy and administrative centres are in London, the Civil Service is scattered throughout the country. I confess to wondering occasionally whether some malevolent body has deliberately placed those units with the most interesting problems in the least accessible sites. A particularly attractive feature of occupational medicine is that

not only has the patient to be examined but also his place of work. As in home visiting in family practice this sometimes gives a simple answer to what had seemed a complex problem. And, like family practice, there may be unexpected findings—eels living happily in laboratory drains in the middle of Whitehall or a stock of cutiasses and boarding pilea in a Ministry of Defence store, apparently for contemporary use. Enzy affect any of the Civil Service departments on the the work of one unit. Formaldehyde sensitivity a string from unsatisfactory cavity wall insulation or concern over the carcinogenic risks of a photocopier toner may affect any department. Other problems are more specific to a particular occupational group. For instance, the surveillance of marine inspectors who have been exposed to high concentrations of crossidolite in their careers or the uppervision of veternarians and milk samplers in the brucelloss of the store of the surveillance of marine inspectors who have been exposed to high concentrations of crossidolite in their careers or the uppervision of veternarians and milk samplers in the brucelloss of the surveillance of the store of the surveillance of the surveillanc

Interface with general practitioners

There is a lot of paper work, consisting mainly of referrals from personnel officers about staff who are thought to have health problems. For example, officers with lengthy spells of sickness absence and on whom advice is needed on a likely date of return to work and guidance on rehabilitation; or someone whose health has broken down and recovery seems unlikely, when the possibility of premature retirement must be considered and precise information on the patient's health is required to give a moremous.

precise information on the patient's health is required to give a prognosis.

Because the Civil Service has 900 vill employees it is clearly impossible for us to examine all the problems that are referred. Instead we rely on the services of general practitioners. Prequently, with consent, we seek information from the patient's family doctor who can usually give an informed and balanced comment on the circumstrates. When such a report might commend the circumstrates with remarked and doctor and the circumstrates. When such a report might predent assessment is sought from our local medical officer. Local medical officers are experienced family doctors who have an interest in occupational medicine and some knowledge of employment in the nearby. Civil Service establishments. With the information collected from these sources we can usually advoce the employing department. A valuable relationship is often established with the general practitioner. Exchanging informa-

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tion on difficulties at work, domestic problems, or progress of treatment can help us both in our attempts to rehabilitate the Medical Properties of the properties of the properties of the properties of the When inquiring about a patient's health we like to obtain his informed consent, pointing out that we are seking information from his doctor which, while remaining confidential between us, may be used as a basis for advice to management on his fitness for work. Patient confidentiality is an important and sensitive issue, and when seeking a report from general practitioners we are careful to point out whether this consent has been obtained, records that are available only to staff of the medical advisory service and are separate from other personnel records. Whereas the management needs to know when an employee suffers from a condition that inadvertently might be a hazard to himself or colleagues at work, an informed comment, expressed in general terms, is all that is usually required to help them.

Overseas civil service

Overseas civil service

Many civil servants work overseas, and this expatriate group, together with their families, present particular problems for both the occupational physician and the general practitioner. The standard of finitess for service oversean needs to be higher than at home. We expend much effort in careful selection, health screening, immunisation programmes, and health education of lazards from their colleagues at home but also to the distinguish tresses of separation from their family and domestic upheavail. Despite all these efforts, they still fall sil, often where health services are less developed than at home and thus it may be necessary to evacuate the patient to the United Kingdom for assessment and treatment. Surprisingly, the most difficult medical problems faced by people working abroad are not the tropical problems faced by people working abroad are not the tropic monitorial problems faced by people working abroad are not the tropic monitorial to the service and exposure to alcohol. When medical evacuation occurs families may feel the absence of their family doctor; their National Health Service records have often been irretrievally swallowed by the recall system and their home is usually let during their absence overseas, so preventing return to familiar surroundings. An important part of our work is to try to fill this pap in medical care, when necessary to arrange that the properties of the properti

Postgraduate training

Apart from following our own in-service postgraduate training in, for example, epidemiology, occupational medicine, and tropical medicine, we also have a teaching commitment. Many occupational physicians have been general practitioners. This is invaluable, because these areas of medical care are complementary and close cooperation between tambity practice and occupational health services may be mutually advantageous and improve the quality of patient care. Despite the large ment to occupational health services may be mutually advantageous and improve the quality of patient care. Despite the large ment to occupational health, the sumest savicely figures in the programmes of most postgraduate centres. In an attempt to bridge this gap our exercise contributes in a small was to postgraduate elducation by giving short courses on occupational health of common interest to both general practitioners and occupational physicians.

The separation that has occurred between occupational medicine and general practices artificial and mappropriate. The dispersal of the Cavil Service from London gives us an opportunity to develop intias with finally doctors who are interested in other areas of occupational medicine.

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Practice Research

Whooping cough: what proportion of cases is notified in an epidemic?

DOUGLAS JENKINSON

The assessment of changes in the morbidity and mortality from whooping cough over recent decades and the evaluation of the risks versus the benefits of immunisation depend on accurate data on incidence. The principal source of these data is statutory reflect the rule incidence. One possible source of inaccuracy is a change in the notification practice of doctors when the incidence of the disease is high or at a time of public and professional debate about it.¹ This study attempted to measure the notification rate of whooping cough in a large health authority at a time of high incidence and of raised public and professional concern about the disease.

Of 202 general practitioners who were asked for information, 244 replied (8) 6%). Three doctors gave a number range; the average number was used. Two doctors qualified their estimate with "possible"; these were discounted. The total estimated number of whooping cough diagnoses made during September 1982 was 51s tuble 1. The second of the control of

TABLE 1—Number of cates of whooping cough diagnosed by doctors in the Nottingham Health Authority during September 1982

No of cases reported 0 1 2 3 4 5 6 7 8 10 12 24 No of doctors reporting 109 23 32 30 15 4 13 3 6 8 1

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TABLE 11—Number of notified cases of tubooping cough in Nottingham Health Authority between 1 August and 11 November 1982 by date of onset

	Week of the year												
	August				September					October			
	31	32	33	34	35	16	37	38	39	40	41	42	
No of cases	14	18	32	20	27	35	26	23	22	9	25	21	

onset of the disease stated on the form (table II). To compare the estimated number with the notified number it was necessary to compensate for the interval between the date of onset as stated on the for inclusion in the control between the date of onset as stated on the for inclusion in the estimate. Since there is no clear point in the evolution of the disease that can be defined as onset the date stated on the form is probably a fairly arbitrary one. It may, however, be assumed to find the disease that can be defined as onset the date stated on the form is probably a fairly arbitrary one. It may, however, be assumed. The mean interval was 10.2 days (median 4, range 0-62, information mixing from 9.2 days (median 4, range 0-62, information mixing from 9.2 days (median 4, range 0-62, information the mid-point of five days is taken. The applicable number is then 116. There were three forms that did not value the date of onset but the first of the days is taken. The applicable number is then 116. There were three forms that did not value the date of onset but were also included. Twelve nouffections from hospital were also included. Twelve nouffections from hospital were also included. Twelve nouffections from hospital were also included. It is not called by that the had the same number of cases as responders, in which case 518 cases represents only 816% and the total equivalent estimate for all 1s 620. The proportion notified is therefore 116 620 or 187%.

Discussion

Discussion

It is the statutory duty of doctors to notify cases of whooping cough, but it is known that many cases are unnotified. Workers at different times and places, using various methods, have stocked in the control of the con

nationally were the highest since 1957—that is, about six per 100 000 population a week—and the month of September chosen because it was the peak of the epidemic. The pattern of notifications in Nottingham was closely similar to the national one. The peak occurred at the same time and the number over the month was about four and a half per 100 000 population a week. During this period there was also much public discussion as the peak occurred at the same time and the number over the month was about four and a half per 100 000 population as week. During this period there was also much public discussion as the peak of the pe

Two hundred and ninety two general practitioners practising in the Nottingham Health Authority were asked to estimate

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the number of cases of whooping cough that they had diagnosed during September 1982. Two hundred and forty four (830°), of them reported \$18 cases, 116 cases were notified during the same period. If it is assumed that non-responders diagnosed as many cases as responders then about 19°, are notified. This study was undertaken at the peak of the reent repidemic yet the results show a similar level of undernotification as previous studies during non-epidemic times, which suggests that the official control of the peak of the discount of the incidence of this disease.

I am indebted to Dr K Mason and the health departments officers of Broxtowe. Getling Rushelffe, and Notingham City councils for analysing data; to all the general practitioners who responded to the inquiry so splendidly; and to Abbott Laboratories Ltd for meeting postal expenses.

¹ PHLS Communicable Disease Surveillance Centre. Whooping cough surveillance. Br Med J 1982;285:1583-4.

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* Haward RA. Scale of undernotification of infectious diseases by general practitioners. Lancet 1973;1874-5.

Diary of Urban Marks: 1880-1949

One attention a man of 73 was brought in. He had a large cancer of the tongue and it was obvought fulle to attempt to give either elherotom or ether by the usual method. Either was at that time given from a Clover Inhaler, which consisted or a muntiproce which into which the patient breathed while the either was in a chamber between the bag and facepiece. The patient was put straight on to the operation table and the surgeous debated what to do and how to in a serious manner. "Now Dr Maries. You finely sourced at anaesthetics, what do you suggest here." It asked him first why he wanted to operate on such a case that such oviously dwing from sufficient on greater on such a case that such oviously dwing from sufficient on the operation table and that I would give an anaesthetic, but if the man died under it he would have to back me up at the ringues or I would tell the coroner a few things which would surprise him. Bates looked with the containing the which would surprise him. Bates looked with the containing the which reversed the containing chlorotom with a tube feet of the first part of the containing chlorotom with a tube tended that the would size chinorform and oxygen together. None of them had ever head of this. They visited round with I made my pregrations. I fixed up a bettle containing chlorotom with a tube trachecomy tube I put the other two, one with oxygen, and the other with, cloroform. So I got the man under and the old Bates to perform a real-protein surprise the operation was not got in the round the containing the own for the man under and the rould be trachecomy tube I put the other two, one with oxygen, and the other with, cloroform. So I got the man under and the rould be accepted in the containing table.

Afterwards the patient was vest to repeal and we to me a performed by custing off as much feet of the tongue as performed by custing off as much feet of the tongue as performed by custing off as much feet of the tongue as one of the oxygen.

ne date. To stand a standard of the following occasion operating table.

Afterwards, Bates never said a word but on the following occasion asked me to give chloroform and oxygen, of course without the tracheotomy. Apparently he wanted the mixture to be given in every

case, which of course was abund but quite natural in coming from Bares. I fold him! I would do no such thing but if he were now convinced that I was an expert on anestheries? I would proceed to administer them if he would not interfere. He agreed to leave me aione and all went well until one Sunday afternoon when costing was about to operate on a woman who had a cancer of the lower part to make the patient unconscious so that she could be sent into the operating come. She was a small ownsoan and very wasted. The porter brought her into the theatre on a wheeled stretcher and lifted her into his arms from the stretcher to the table. But he slipped in so well as the stretcher and lifted her into his arms from the stretcher to the table. But he slipped in so if yield to him to stop making a fool of himself if posted and to cut down over the heart. He nad to confess that the datin of the date of the slipped in so if yield to him to stop making a fool of himself if posted he and to cut down over the heart. He had to confess that the bods her had not to confess that the datin of the slipped in the slipped