

Night calls in a single-handed rural practice

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SUMMARY. Night calls attended by one doctor during five consecutive years (1973 to 1977) in a single-handed rural practice, were analysed and divided into two categories: (a) reasonable; (b) unreasonable. Half the night calls were genuine emergencies but 17 per cent were quite unnecessary.

Introduction

LOCKSTONE (1976) classified night calls in a group practice in Whitby in 1974, and Morton (1979) provided a similar study in North Berwick.

Aim

My aim was to ascertain the incidence of night calls and assess their urgency and their management.

Method

This single-handed rural practice is situated in Hovingham, North Yorkshire and serves several villages reaching a radius of eight miles from the Family Medical Centre. It has a list of 1,760 patients and about 100 temporary residents a year. The practice is completely rural and there are many retired people (18 per cent of the patients are over 65 years of age). The nearest general hospital is York District Hospital 18 miles away.

The practice midwifery is carried out in a new general practitioner unit at Malton Hospital eight miles away, but maternity calls have been excluded from this study.

All calls were recorded between 23.00 hours and 07.00 hours on Form EC18 the next day and the details entered into the practice diary on returning from the calls. These details included time of call, name and age of patient, diagnosis, and management, in one of three categories: admitted to hospital, revisited the next morning, or no follow-up visit required.

The calls were classified simply into two categories: (a) reasonable; (b) unreasonable. Reasonable calls were defined as any severe conditions requiring treatment to

save life or prevent unacceptable deterioration in health; to alleviate pain, distress, or discomfort (hence there are a few terminal care calls in this group); or to provide requisite reassurance. No treatment was given to the group of patients whose calls were considered unreasonable. Only 'abusive' and quite unnecessary calls (such as drunkenness) were put into this category.

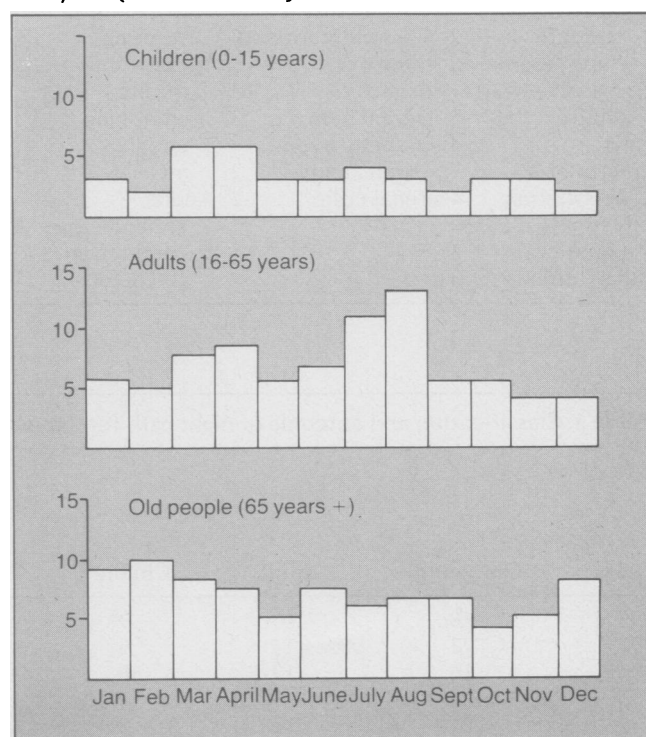
Results

The total number of night calls was 211. The rate has remained remarkably constant at 23.9 night calls per 1,000 patients per year: 41 in 1973, 42 in 1974, 43 in 1975, 42 in 1976, and 43 in 1977.

The calls divided into roughly 80 per cent for medical conditions and 20 per cent for surgical conditions.

When the rate is analysed by age group per 1,000 patients per year, the results are: old people (65 years +) 6.3; adults (16 to 65 years) 6.5; and children (0 to 5

Figure 1. Night calls by age group and month of the year (1973 to 1977).



However, this enthusiasm for 'moonlighting' has to be tempered with discretion for "it is certainly more difficult, as one gets older, to cope with loss of sleep and still perform reasonably effectively the next day" (Higgins, 1978).

Conclusions

The Hovingham survey completely refutes the original contention that night calls are largely unnecessary in general practice. Although the number of night calls has been consistent for the years 1973 to 1977, the number of unnecessary calls has steadily decreased from 26 per cent in 1973 to only eight per cent in 1977. This because a few difficult and unreasonable families have chosen to leave my list and I have fortunately been able to educate the other previous abusers. Meanwhile, the number of patients with serious conditions who need help from the doctor during the night has increased. (Incidentally, the number of unnecessary calls for the old people has remained constant at the very low figure of two per cent, it is in the adult section that most of these have occurred.) My figures agree remarkably with those of Lockstone (1976) and Morton (1979) and my conclusions are the same as Lockstone:

1. There is a low incidence of patient abuse (especially when patient and doctor get to know each other).
2. There is a high incidence of real illness requiring prompt skilled attention. (This is increasing in my practice, especially amongst old people.)
3. Most emergencies require initial and sometimes life-saving treatment before transfer to hospital. (Eighteen miles is a long journey in a bumpy ambulance at night and in winter roads can be hazardous in rural areas.)
4. Patients and their relatives cannot be expected to make a differential diagnosis when confronted with a frightening, distressing, and often painful problem.

References

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