

cians are aware of this and may deliberately co-prescribe, particularly for short term treatment. The alert system we designed identified the potential interaction but only fired an alert if the serum potassium was rising or exceeded predefined limits. If serum potassium concentration had not been monitored for a predefined period of days the alert also fired. This allows patients' safety to be ensured without flooding clinicians with potentially irrelevant alerts.

As Ferner says, no system is completely error free, and we are fortunate to have the safety net of a pharmacist check of prescriptions, which has been shown to reduce error.⁴⁻⁵

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- 1 Ferner RE. Computer aided prescribing leaves holes in the safety net. *BMJ* 2004;328:1172-3. (15 May)
- 2 Hughes DK, Farrar KT, Sree AL. The trials and tribulations of electronic prescribing. *Hosp Prescr Eur* 2001;1:74-6.
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Electronic prescribing is helpful in children too

EDITOR—We concur with Ferner in his review of computer aided prescribing.¹ Our centre's experience of e-prescribing started in 1996 as part of the overhaul of the clinical management system. Voluntary reporting of prescribing errors was the only mechanism before the introduction of the computer system and was certainly an ineffective way of notification. From our own experience, the prescribing error rate went from an average of 10 per year in 1994 to over 100 per year in 1997, indicating previous underreporting. With proper electronic documentation and monthly clinical audits, we have seen the prescribing error rate reduced to 40 last year (a drop of 60%).

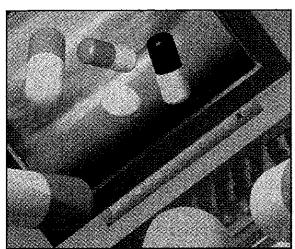
As Farrar et al say in their rapid response (previous letter), we believe that the reduced error rate was due partly to improvement in the legibility and completeness of prescriptions, as well as to the increased awareness of the prescriber to automatic logging. Errors in prescribing may be more likely to occur with a change of junior medical staff every three months, as in our centre. This is even more important in the case of paediatric prescribing, when any wrong dosage may result in detrimental

consequence.² An informal survey has shown that most junior medical staff working with children welcome the computer system and we therefore have no doubt that the introduction of the electronic prescribing system has been a success.

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1 Ferner RE. Computer aided prescribing leaves holes in the safety net. *BMJ* 2004;328:1172-3. (15 May)

2 Farrar K, Caldwell N, Robertson J, Roberts W, Power B, Sree A. Use of structured paediatric-prescribing screens to reduce the risk of medication errors in children. *Br J Healthcare Comput Inf Manage* 2003;20:25-7.

core data set,⁴ are currently being developed (www.healthinformatics.unimelb.edu.au).

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Competing interests: None declared.

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Amoxicillin for non-severe pneumonia in young children

Stop skimping, start investing in antibiotic treatment

EDITOR—The limitations of the paper on three v five days of antibiotic treatment for pneumonia merit additional emphasis.¹ The paper had an inadequate selection of indicators of treatment failure, an insufficiently discriminating treatment comparison (also pointed out by Borja and Rigau (next letter)), insufficient detailing of patients' history, dismissiveness towards caregivers' assessments, deficient survivor data, and difficulties in applying the conclusion of the study to broader populations.

If the conclusion was acted on, predictable deaths might occur, particularly in undiagnosed asthma. Roughly 54 000 people die in Britain each year from complications related to respiratory infections.

Skimping on antibiotics is a contested tactic. False economy is evident when patients are admitted to hospital and intubated for infections that could have been managed less invasively with appropriate antibiotics.

Skimping does not address the need for a new generation of antibiotics. No one seriously doubts that antibiotics are at times prescribed unnecessarily. But the tokenism is inappropriate, and dangerous skimping is likely to give a false comfort, which displaces the need for real action on the antibiotic problem.

Lobbying governments to support research and development in antibiotics and antiviral medicine and for adjunct changes in public policy is essential. A review of protocols for pharmaceutical approvals is also required, if the necessary developments for the future are to be viable.

Sacrificing people in the name of the species, when the real reason is poor economics, is no longer politically credible. We ought to be particularly sensitive, when it is a vulnerable group such as children, who are called on to make the sacrifice.