LETTERS

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Statistical Medicine

With respect to the articles "Problems in clinical trials go far beyond misconduct" and "Ignorance is not bliss" by Rachel Nowak (Special News Report, 10 June, p. 1538), I agree with Richard Peto that "ignorance is the biggest form of misconduct," and it has been for n generations of doctors and others. Physicians often receive no training in conducting clinical trials, and the budding physician-cum-researcher is usually offered only a course in biostatistics "covering everything you ever wanted to know."

The symptoms are old, hence the patent medicine being offered (one good course for every doctor) is patently wrong. And the syndrome is worse than that because (i) there are long gaps between the course and the need for its lessons, and (ii) most statistics courses focus only on statistical analysis, not on how to collect good data in surveys, experiments, and clinical trials. Specialists in statistics are needed to guide the path to good data, and the doctors should be led to those paths.

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Corrections and Clarifications

a hospital visit by a patient would result in

a higher probability of infection by a resis-

tant strain than would a visit to a physi-

cian's office. Because a disproportionate

number of hospital emergency-room visits

are from individuals without regular access to health care, infection with resistant strains of bacteria may occur disproportionately among those with the least resources

to cope with them. Indeed, total popula-

tion mortality from these resistant strains

could easily be enhanced because of the reduced availability of health care available

to these individuals after the hospital visit

would have a higher probability of main-

taining a resistant strain. This implies that

foci of infection could develop more readi-

ly before detection in multiphysician part-

nerships and clinics than in smaller clinics

or those with a single physician. The

dwindling number of single-physician

practices therefore could have a significant

epidemiologic impact on the spread of

from epidemiologic data on resistant strains

and could have important public health consequences and provide further motiva-

tion for the expansion of infectious disease

surveillance, as Ruth L. Berkelman et al.

suggest (Policy Forum, 15 Apr., p. 368). It

would be prudent at this stage for epidemi-

ologists to ensure that observational designs

are being developed to track these and

other implications of antibiotic resistance.

Similar hypotheses can readily be tested

resistant strains.

Another reasonable assumption is that locations with a greater flow of patients

during which infection occurred.

In the Perspective by Donald G. York (8 July, p. 191), figure 1 was printed incorrectly. The correct figure and caption appear below.



Fig. 1. Abundances compared to atomic number for the main dust cloud in the spectrum of ζ Oph. Open rectangles are from Copernicus data (*11*). Solid dots are new values from HST or high-resolution results from ground-based data (in the case of Ti II). The ×'s represent results from trace ionization stages (*12*), relative to neutral sulfur. Data for Na, Li, K, Al, and Ca, not covered by Cardelli's summary, are included.



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