Trust in performance indicators?

H T O Davies, J Lampel

A system that does not trust people begets people that cannot be trusted

Abstract
The 1980s and 90s have seen the proliferation of all forms of performance indicators as part of attempts to command and control health services. The latest area to receive attention is health outcomes. Published league tables of mortality and other health outcomes have been available in the United States for some time and in Scotland since the early 1990s; they have now been developed for England and Wales. Publication of these data has proceeded despite warnings as to their limited meaningfulness and usefulness. The time has come to ask whether the remedy is worse than the malady: are published health outcomes contributing to quality efforts or subverting more constructive approaches? This paper argues that attempts to force improvements through publishing health outcomes can be counterproductive, and outlines an alternative approach which involves fostering greater trust in professionalism as a basis for quality enhancements.

Keywords: health outcomes; league tables

Introduction
Controlling costs while improving quality and increasing access are challenges facing all healthcare systems. In response, the past decade has seen unprecedented reform of health systems. Although great diversity remains between different national systems (and even within some nations), recognisable within most healthcare systems in the developed world are the combined features of managed care and managed competition.1

If competition is to succeed in raising quality and controlling costs then good measures of quality are needed to inform the market. Further, if managers are to intervene successfully in the doctor-patient relationship then they too need information to counterbalance doctors’ professional knowledge. It is no coincidence that the rise of managed care and managed competition has been accompanied by an explosion in performance indicators. The United States healthcare system has always been awash with data because of the need to bill patients—the problem has been turning that data into worthwhile information. However, even in the supposedly data sparse National Health Service (NHS), performance indicators have mushroomed (box 1).

Performance measurement in the NHS has a history of seeking control and accountability. Performance measures have proliferated since the early 1980s, rising to 2500 indicators by 1988.23 Amalgamating different measures into indices of performance such as the NHS late but unlanterned efficiency index and the NHS labour productivity index has made for blunt instruments which have received less than enthusiastic support.35–37 Subsequent measures may go under different guises—for example, the Patient’s Charter and The NHS Performance Guide—but the intention is still the same: an ever-expanding collection of carrots and sticks with the hope of influencing quality improvements and cost control within the NHS.

The proposed new outcomes league tables8 are merely a continuation of this trend. They reflect the underlying philosophy that more and better data, collated at the centre, will be a useful tool to bring about beneficial change further down the hierarchy. The NHS quasimarket reforms have further contributed to this culture with purchasers demanding detailed monitoring, and placing contractual obligations on providers to achieve given outcomes.3 The latest white paper7 and national performance framework2 show little slackening of this philosophy and it is clear that the NHS can expect continued attention to measured indicators of performance in the context of national comparisons.

Box 1 Performance measurement in the NHS.

More recently, attention has turned away from performance indicators which measure processes (what was done), to those that measure outcomes (what was the result).2 3 In this the United Kingdom lags far behind the United States in the extent and complexity of its published outcome measures—but recent initiatives are increasing the information in both professional and public domains.4–6 The publication of consultation papers on a
national framework for assessing performance makes it clear that this trend towards greater use of outcome measures will continue in the United Kingdom. Proliferation and publication of outcome measures at local and national level is also an increasing phenomenon in other developed nations.10–11

Pitfalls in performance indicators
Three main problems are apparent with this approach. Firstly, it reflects end of process error detection rather than built in quality. Delays can often amount to years in producing the data and acting on the findings. It is not reassuring to patients to know that serious problems may only be detected and corrected years later.

Secondly, there are severe methodological problems with routinely gathered observational data which greatly limit their interpretation. This is particularly so of outcomes data which are prone to many serious and subtle biases.16 Ambiguity over causation means that strong assertions and punishing actions are not warranted by the weak evidence provided by performance measures.

Thirdly, there is a concern that performance measurement, which is in essence motivational or even coercive in nature, may in fact pervert behaviour and engender an adversarial and defensive culture detrimental to quality.17–19

Escalation and supposed legitimacy
So far, the response to these perceived difficulties has been more of the same: more performance measures; more contextual variables; more complex case-mix adjustment; and, of course, more expensive information technology to support the entire fragile edifice. This escalation is analogous to the ancient practice of blood letting: temporary relief was offered as proof of efficacy but the underlying condition actually remained unchanged. The ensuing return of the original symptoms simply provoked more vigorous application of treatment. Far from recognising that the treatment was part of the problem, the ministering physician saw an intractable condition that had to be attacked without compromise. Could the same be true of performance measurement in the NHS?

For a long time the legitimacy of quality control through performance measurement has been internal, based on the record of past success. Policy makers and administrators have reduced waste and limited professional autonomy through tightened control and accountability systems. Performance measurement and the associated administrative reforms have borne fruit: more is now done in the NHS than ever before and the rate of increase in expenditure on health care in the United Kingdom actually diminished in the 1980s. More recently, the legitimacy for doing more of the same has come from emulating the private sector. The private sector, it is claimed, shows how waste and inefficiency can be reduced by following new methods of process control.

Ironically this justification comes at a time when the private sector is increasingly abando...
avoid falling down the table, and published outcomes to promote reflection on policy and practice.26–28
At the same time, it is important to emphasise that adopting a hands off approach will not in itself deliver high quality efficient services. Giving over control and trusting individuals and institutions implies much more than simply abdicating responsibility. There will always be a need for some monitoring and constraints—for example, budgets, statements of objectives, and broad operational parameters. Further, senior management have a right to expect placement of appropriate local systems which foster quality. These should encourage sharing of information and expertise in a way that acknowledges contextual factors and tacit knowledge. Practitioners need time and space to reflect on their practice in an atmosphere free from threats; they then need room to manoeuvre so that opportunities for improvements can be exploited. It is management’s role to ensure that just such an environment is created. Alongside this, managers should recognise that hard data offer only a limited view of operational performance and difficulties. Therefore, although information systems are essential to support internal quality mechanisms, their use must be constrained to prevent data being overinterpreted and re-emerging as part of new control mechanisms.

Learning organisations

Some of the most successful private sector organisations have embraced the concept of organisational learning as a means to providing better products or services, greater competitiveness, and higher profits.29–31 In health care too some organisations are waking up to this approach.32 Learning organisations are the antithesis of bureaucracies: they are decentralised, team based, and encouraging of open communication; collaboration replaces hierarchy, and the predominant values are those of openness and trust.

Learning organisations have learning and adaptation as central characteristics rather than an emphasis on maintaining stability (box 2). They assume that those closest to the end product know most about key activities, and managers therefore encourage and support front line workers in identifying and implementing change. This requires explicit recognition of the importance and value of tacit knowledge and thus a rejection of command and control as the high road to better management. Hence knowledge is mobilised at the operational level to improve performance rather than wielded at a managerial level to demand (but not facilitate) ill specified improvements.

The rapid growth of evidence-based practice and the widespread uptake of clinical audit show that, given the opportunity, healthcare professionals are well motivated to pursue quality improvement and self development. Policy makers and senior managers should recognise and capitalise on this untapped potential. What healthcare professionals need are systems which empower and enlighten rather than those which punish or reward.

Balancing carrots and sticks

Shifting trends in performance management (especially in the public sector) have shown a declining reliance on mutuality or trust in professionalism as a basis for control and accountability. Instead, with quantitative measures of performance, emphasis is placed on competition, regulation, and supervision.3 But monitoring of performance is just one way of tackling the principal-agent problem. Other approaches rely on encouraging a better alignment of objectives between principal and agent. If this can be achieved, then the...
principal can trust the agent not to indulge in opportunistic behaviour. In turn the agent can trust that his or her activities will be judged in context, rather than evaluated in terms of abstract and often misleading measures—thus diminishing gaming.

In contrast, regulation, measurement, monitoring, close supervision, and exposure to (possibly damaging) competition may therefore be counterproductive: undermining trust and leading to a diversion of effort into unwanted (and wasteful) defensive practices. We have to ask then, what are the implications for performance management in health care of jetisoning trust in professional practice? And what is the role of performance indicators in contributing to a climate of (mis)trust?

Conclusion

No single approach to performance management is likely to be supreme. For example, it seems likely that different systems will be better for ensuring basic competence, compared with those needed to foster clinical excellence. Performance indicators cannot capture the range and complexity of health service activity and are blunt and sometimes dangerous tools when used in the pursuit of quality—that is, if they have any impact at all! Rather than escalating attempts at control a new paradigm is required whichcedes that control generates greater trust and unlocks human potential.

We are grateful to numerous colleagues for many helpful discussions during the development of these ideas. In particular, we would like to thank Ian CroSBie, Russell Mannion, Sandra Nutley, Peter Smith, Richard Thomson, and Kieran Walsh. The authors alone bear full responsibility for the view expressed.

2 Davies HTO, Crombie IK. Assessing the quality of care: measuring well supported processes may be more enlightening than monitoring outcomes. BMJ 1995;311:766.