Organisational culture and quality of health care

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“A student of management and organisation theory could only be stunned by how little the efforts to improve quality [in health care] have learnt from current thinking in management and from the experience of other industries.” Christian Koeck BMJ 1998;317:1267–8.

Introduction

Health policy in much of the developed world is concerned with assessing and improving the quality of health care. The USA, in particular, has identified specific concerns over quality issues and a recent report from the Institute of Medicine pointed to the considerable toll of medical errors. In the UK a series of scandals has propelled quality issues to centre stage and made quality improvement a key policy area.

But how are quality improvements to be wrought in such a complex system as health care? A recent issue of Quality in Health Care was devoted to considerations of organisational change in health care, calling it “the key to quality improvement.” In discussing how such change can be managed, the authors of one of the articles asserted that cultural change needs to be wrought alongside structural reorganisation and systems reform to bring about “a culture in which excellence can flourish.”

A review of policy changes in the UK over the past two decades shows that these appeals for cultural change are not new but have appeared in various guises (box 1). However, talk of “culture” and “culture change” beg some difficult questions about the nature of the underlying substrate to which change programmes are applied. What is “organisational culture” anyway? It is to this issue that this paper is addressed.

Although often referred to, it is unclear whether talk of “cultural transformation” is merely a convenient metaphor or is, instead, shorthand for a more tangible raft of specific changes. If the latter, then it would seem essential to have some clear idea about the meaning of organisational culture, the extent to which this culture can be managed within health care, and the nature of the organisational cultures which underpin quality improvement activity in health care. This paper draws on a wide social science literature to open this debate. It explains some of the current conceptualisations of organisational culture and explores the implications of these for health systems (such as the NHS) or healthcare providers (such as hospitals and primary care networks) that are seeking organisational transformation.

Organisational culture

Notions of “culture” have deep roots in the anthropological literature going back many decades. The application of these ideas to organisations rather than indigenous peoples began in the United States in the immediate post war period but came to popular attention in the 1980s. During this period a number of best selling management books proved influential in instilling the notion that “organisational culture” was a crucial variable in the management of organisational performance. Over the last decade interest in organisational culture has grown apace and it has received extensive study across many industry settings including some work on healthcare organisations.

THE CONTESTED NATURE OF ORGANISATIONAL CULTURE

Although the notion of organisational culture is now frequently invoked in the organisations and management literature, it remains an elusive concept, fraught with competing interpretations and eluding a consensual definition (one review cites 15 different descriptions). Despite such diverse views, two broad schools
Many previous policy reforms in the National Health Service (NHS) have invoked the notion of cultural change. In the early 1980s the reforms inspired by Sir Roy Griffiths led to the development of general management in hospitals and the greater involvement of clinicians in budgeting through resource management initiatives. Many of the themes of these reforms were extended by the market reforms of the early 1990s which separated out the functions of purchasers and providers. Central to these changes were attempts to increase management and accountability in the NHS, and to develop more of a “business culture”. Resistance and resilience to these changes was more evident than wholesale transformation.

Since the election in 1997 the Labour Government has succeeded in making quality the central reform issue in the NHS. The new quality strategy as set out in the White Paper and supporting policy documents represents an ambitious attempt to develop an over-arching framework for health care quality. These documents articulate a detailed set of interlocking strategies, tactics, and supporting initiatives aimed at three factors:

- defining appropriate quality standards;
- delivering health care congruent with these standards;
- monitoring to ensure that uniformly high quality of care is achieved (fig 1).

It is in the second of these, the delivery of health care, that a consideration of organisational culture has most to offer.

In articulating the strategy needed to reinvigorate health care delivery, official documents stress the interlinking of three different strands: clinical governance, lifelong learning, and professional self-regulation (fig 1). Underpinning and binding each of these is the notion of cultural transformation as a primary driver to delivering improved quality of care. “... achieving meaningful and sustainable quality improvements in the NHS requires a fundamental shift in culture, to focus effort where it is needed and to enable and empower those who work in the NHS to improve quality locally . . . .” and “Clinical governance needs to be underpinned by a culture that values lifelong learning and recognises the key part it plays in improving quality” (paragraphs 5.6 and 3.28).

Box 1 Cultural reform in the National Health Service.

of thought can be distinguished. Firstly, there is the family of approaches that regard culture as something that an organisation is (here culture serves as a metaphor for describing an organisation rather than being seen as something readily identifiable or separable from the organisation itself). Indeed, post-modern perspectives on organisational culture dispute the very notion of organisations and their cultures as concrete entities (box 2). In contrast, there is the group of approaches that conceive of culture as something that an organisation has: aspects or variables of the organisation that can be isolated, described, and manipulated.

This distinction is crucial for, if culture is something that an organisation has, then it may be possible to create, change, and manage culture in the pursuit of wider organisational objectives. However, if organisations simply are cultural entities, then their study may help us to understand the processes of social construction at work but offers less in terms of shaping change or assisting with management control. It is clear that much of the prescriptive advice aimed at organisations from the management literature assumes that cultures are an attribute of organisations that are open to manipulation. Indeed, the current NHS reforms in the UK also embody this view (see box 1). Given the critiques of such an approach in the literature, we would not like to go too far down this road: our working assumption in this paper is that an organisation’s culture is an emergent property of that organisation’s constituent parts—that is, the culture may emerge somewhat unpredictably from the organisation’s constituents (making it not necessarily controllable), but nonetheless characteristics of that culture may be described and assessed in terms of their functionality vis à vis the organisation’s goals.

CULTURAL ATTRIBUTES AS ORGANISATIONAL VARIABLES

There is substantial agreement among those who conceive of culture as an organisational variable: organisational culture emerges from that which is shared between colleagues in an organisation, including shared beliefs, attitudes, values, and norms of behaviour. Thus, organisational culture is reflected by a common way of making sense of the organisation that allows people to see situations and events in similar and distinctive ways. It is “the way things are done around here”, as well as the way things are understood, judged, and valued.

In attempting to untangle the various elements of organisational culture, several levels can be identified. At the most basic level are the underlying assumptions that represent the unconscious and “taken for granted” beliefs that structure the thinking and behaviour of an individual. These assumptions then give rise to organisational values that operate at a more conscious level and represent the standards and goals to which individuals attribute intrinsic worth. Then, more visible still are those artefacts that represent the concrete manifestations of culture. These might include, for example, the ceremonies, traditions and the incentive structures peculiar to an organisation. Some examples in health care of these different cultural levels are given in box 3.

In terms of health care, such differentiation of cultural levels is both important and helpful. Whereas the more visible artefactual elements of culture may be readily manipulated, deep-seated beliefs and values may prove more resistant to external influence. Indeed, there is some evidence from the NHS to suggest that
previous attempts at cultural transformation may have succeeded only at a superficial level. For example, the Griffiths' reforms of the 1980s tried to overlay an overt management culture onto an organisation with an otherwise extant public service orientation. These reforms succeeded in changing some of the surface manifestations of medical culture—for example, the development of budgets and contracts—but they were less successful in penetrating the deeply entrenched values and beliefs (and power bases) that underpin clinical practice. Thus, clinician autonomy remained largely unchanged. Similarly, there is evidence to suggest that the internal market reforms, despite their apparent revolutionary nature, had little impact on the culture of the organisation, at least initially. The cultural found within an organisation may be far from uniform or coherent. Indeed, looking for commonality may be less rewarding than an examination of differences (see box 5). Although some cultural attributes may be seen across an organisation, others may be prominent only in some sections of that organisation. Thus different cultures may emerge, for example, within different occupational or professional groups. These groups may even seek to differentiate themselves from one another by their cultural artefacts or values. Such subcultures may be associated with different levels of power and influence within the organisation, whose dynamics may alter over time—witness, for example, the dominance of the medical culture in the NHS and the relatively recent rise of the management culture.

Rivalry and competition between groups may appear as a key feature of the overall organisational culture (health care is notoriously tribal in this respect). Different subcultures may be more or less malleable (susceptible to managed change of their artefacts, values, or beliefs) or may even be avowedly resistant to change (perhaps developing the status of "counter cultures"). Indeed, it is apparent that some organisations function more or less successfully with discordant subcultures, with each subculture being no more than "loosely coupled" to other subcultures or subsystems. Nonetheless, different subgroups may still share certain key...
Examples of different levels of culture within the NHS

Assumptions are the basic “taken for granted” views of the world and how one can understand and intervene in it—that is, ontology and epistemology. For example, medical research has traditionally been predicated on the use of rational scientific methods as the basis of generating and accumulating knowledge (controlled trials rather than qualitative and interpretative methods). Thus, assumptions about measurability, aggregation, and transferability of knowledge are deeply ingrained in medical care.

Values constitute the basic foundations for making judgements and distinguishing “right” from “wrong” behaviour. In the medical profession conduct has traditionally been based on the Hippocratic principle of placing the needs of individual patients above broader economic and corporate objectives; this, in turn, has led to clinical freedom being a highly prized cultural “value”.

Artifacts include the physical and behavioural manifestations of culture. In the medical profession these may include such diverse issues as dress codes (the doctors’ ubiquitous white coat and tie), standard ways of running services (the physician’s beds, the surgeon’s list, juniors attached to seniors), or methods of performance assessment (the dominance of confidential peer review, the reliance on professional self-regulation).

Box 3 Levels of culture

Cultural attributes while conflicting on others; for example, while doctors and managers may differ culturally they both “inhabit a shared culture of medical autonomy”.44 It remains an open question as to whether it is even desirable that an organisation should seek an integrated set of cultural attributes.

Finally, organisations receive many cultural influences from outside the organisation and these influences may be at odds with the internal culture. Thus, the medical culture within a hospital will be influenced not just by aspects of that organisation but also, most prominently, by the current prevailing culture of the medical profession (nationally and even internationally), as well as by greater secular trends. Dealing with dissonance between the organisational culture and the prevailing professional culture will be difficult.

CULTURE AND PERFORMANCE

For all the interest in defining and assessing organisational cultures, the crucial generic question of whether and how organisational culture impacts on organisational success or performance remains empirically poorly explored. A simple causal relationship between cultural characteristics and success has not yet been demonstrated—unsurprisingly, any relationship is highly contingent on definitions of success and a wide range of other internal and external factors.45 46 Such evidence as exists is equivocal at best.47 48 Nonetheless, organisational culture appears to be a crucial factor in understanding the ability of any organisation to perform and compete,15 16 and some work in health care confirms this.23 24 Indeed, many organisations—public and private—place great store by shaping their cultures as a means of improving organisational fitness.25 It is clear from policy documents that the current UK government also takes the activist view that managing the culture is one route towards improving health care:

“We are looking at major cultural change for everyone. There is a need to develop organisations to support a change in culture and to deliver change” (paragraph 5.21).9

Attitudes to innovation and risk taking: whether the organisation encourages and rewards new ways of doing things, or instead values and maintains traditional approaches.

Degree of central direction: the extent to which objectives and performance expectations are set centrally rather than being devolved.

Patterns of communication: the degree to which communication, instruction and reporting are restricted to formal hierarchies of authority (compared with informal channels).

Outcome or process orientation: the extent to which control and reward mechanisms are focused on tasks compared with the end product/service.

Internal or external focus: the extent to which attention is directed at external stakeholders, especially customers and the wider community, compared with an emphasis on internal organisational issues.

Uniformity or diversity: the attitudes and expectations within the organisation that either value consistency or encourage diversity.

People orientation: this dimension encapsulates the attitudes towards, support for, and valuations of, the organisation’s human resources.

Team orientation: does the organisation encourage and reward individualism, or are internal structures designed to foster and value close teamwork?

Aggressiveness/competitiveness: this dimension captures the prominent attitudes in the organisation towards other external players in the same arena. To what extent are organisational attitudes focused on dominating rather than coexisting, cooperating, or even learning from other similar organisations?

Attitudes to change: to what extent is the organisation focused on internal stability rather than dynamic concerns (such as increasing size, scope or competitiveness)?
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**Integrated**: Integrated cultures occur when there is wide consensus on the basic beliefs and appropriateness of behaviours within the organisation. Although often assumed, such integration may exist only in broad aggregate or may be more wishful thinking than practically realised.

**Differentiated**: Differentiated cultures occur when multiple groups within an organisation possess diverse and often incompatible views and norms. The development of subcultures, misunderstandings, and conflicts is then to be expected. The NHS has long existed as a collection of loosely coupled differentiated cultures (medical, nursing, professions allied to medicine, administrative and, more recently, managerial groups).

**Fragmented**: At the most extreme, differentiated cultures may diverge and fragment to such an extent that cross-organisational consensus and norms are absent. Even within specific groups, differences may be more marked than commonality, and agreements that are seen may be only fleeting and tied to specific issues. Thus, the organisation is characterised by shifting alliances and allegiances, considerable uncertainty and ambiguity, and unpredictability.

This typology is not intended to suggest that organisations have cultures that are either integrated, differentiated, or fragmented. Instead, each of these views may be applied to the same organisation to reveal, rather than hide, an overall lack of coherence.

**Cultural formation and transformation**

Although certain cultural traits may endure within an organisation, culture is more dynamic and shifting than static. It is dynamic in that there may be rapid swings in organisational norms—for example, in response to organisational crises—and shifting in that longer term and more consistent drifts may occur—for example, the gradual acceptance of the management culture in the NHS. Newcomers to an organisation may bring with them prior expectations about the culture when they join, but culture is also transmitted to new arrivals by established staff, sometimes explicitly but more often implicitly. The organisational culture is shaped and articulated not just by individuals but also by new and old organisational features. The organisational structures, routines, command and control expectations, and operational norms all have influence. Large gaps may develop between overt statements about cultural variables (such as the values outlined in hospital mission statements) and the implicit communication of the same—for example, in the ways in which services are managed and delivered.

Organisational culture can also be influenced by factors outside of the organisation. The strong professional ethic and sense of professional identity seen in the health professions attest to the importance of supra-organisational norms. Public opinion, media reporting, and regulatory frameworks also exert influence. All these observations have implications for those attempting to manage a cultural shift.

**MANAGING CULTURE**

Given that an attempt is to be made at a cultural transformation within healthcare providers (as it surely is within the NHS with the advent of clinical governance), what are the issues that need to be considered? Firstly, wholesale and simultaneous change on all the many different aspects of organisational culture is unfeasible and probably not even desirable. For example, several valuable cultural traits already exist in the NHS on which any new quality strategy can build, most notably a commitment to equity and belief in the founding principles—that is, a universal comprehensive service available to all without regard to ability to pay. More recent helpful values that are beginning to emerge include, for example, the centrality of patient care, a belief in evidence, and a growing willingness to examine quality issues, although these values may be conceptualised rather differently by different professional groups. Thus, any strategy for cultural change should be selective, aiming for a balance between continuity and renewal, identifying those cultural aspects to keep and reinforce, and those which need to be reworked.

Secondly, the nature of the cultural destination for the NHS and other healthcare organisations is currently far from clearly specified. Shortell et al. identified what they termed “characteristics of the new moral fabric” which may help to define some of the future directions (Box 6). In addition, a close reading of official policy documents and accompanying commentaries allows elucidation of other possible aspects of the desired cultural change (see Box 7). However, what these shifts mean for

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**Box 5** Commonality and difference in organisational cultures. Adapted and extended from Martin.

**Box 6** Characteristics of the old and new “moral fabric” for physicians. Adapted from Shortell et al.
day to day practice has yet to be properly analysed, assessed, and communicated. Much work remains to be done on defining a vision for a “transformed NHS” in terms of its cultural assumptions, values, and artefacts.

Thirdly, cultural change cannot easily be wrought from the top down by simple exhortation. Successful strategies need to take into account the needs, fears, and motivations of staff at all levels. Furthermore, any attempt to influence key cultural dimensions (such as those described in box 4) needs to be part of a much wider assemblage of mutually reinforcing improvement activities. The organisational culture cannot be tackled in isolation from such issues as the organisational structure, financial arrangements, lines of control and accountability, strategy formulation, or human resource management initiatives. In particular, in the UK the much vaunted “clinical governance project” is central to cultural transformation. So this and supporting initiatives (in particular, the National Institute for Clinical Excellence, the Commission for Health Improvement, National Service Frameworks, and the National Performance Framework) need to be integrated with a clear and consistent set of cultural values. For example, application of the substantial set of measures outlined in the National Performance Framework and the growing public release of clinical performance data may inhibit the inculation of welcome cultural traits such as innovation and openness.

Finally, coherence within the organisation is necessary but may not be sufficient to bring about substantial change. The influence from outside professional bodies (such as the Royal Colleges in the UK), specialist societies, patient interest groups, and the media may cut across and sometimes work against efforts at internal reform. Identifying areas of consensus and consistency in the values espoused by these organisations and attempting limited cultural shifts in these areas may therefore be advantageous.

MANAGING CULTURAL DIVERSITY

One crucial relationship in making a reality of cultural transformation within clinical governance is that between health service managers and the medical profession. Yet these two groups are rooted in very different professional cultures (box 8). Thus, one challenge is to devise strategies on cultural transformation that successfully achieve a degree of “cultural fit” between these two key groups. Some general lessons for health care may be drawn from the literature on strategic alliances where various models have been developed to understand how “cultural fit” arises between strategic partners. Child and Faulkner developed a useful typology to classify the various approaches to managing cultural diversity. In essence, two fundamental policy choices in the management of cultural diversity were identified. The first is whether one partner’s culture should dominate,
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doubtful. More considered attempts at cultural

transformation will need to address explicitly the

dominance of a given group's culture—

for example, clinicians have largely

assumed this within the NHS.

Segregation is based on seeking an

acceptance of an acceptable balance between cultures by

virtue of maintaining separation rather than seeking integration. Many interpro-

fessional alliances within the NHS may

be seen to be of this type—for example, accomodation between the nursing

profession and doctors.

Breakdown occurs when one partner

seeks domination, integration, or mutu-

ally acceptable segregation but fails to

secure the acquiescence of the other

parties—for example, the Griffiths' re-

forms initially largely failed to usurp the

dominance of the medical profession.

Box 9 The meeting of cultures: achieving a cultural fit. Adapted and extended from Child and Faulkner.7

as opposed to striving for a balance of contribu-

tions from the contributory cultures. The

second choice addresses whether to attempt an

integration of the partners' cultures (with the

aim of deriving synergy from them) versus a

preference for segregating the cultures within

the organisation (with the aim of avoiding possi-

ble conflict and reducing the effort devoted

towards cultural management). These policy

choices give rise to four possible bases for

accommodating cultural diversity: synergy,

domination, segregation, or breakdown (see box

9). The first three offer a basis for establishing

cultural fit, whilst the fourth results in inaction

or organisational damage. At different times

each of these outcomes has been seen in UK

health care (box 9), although whether these were

as the result of deliberate policy choices is

doubtful. More considered attempts at cultural

transformation will need to address explicitly the

importance of managing cultural diversity in

order to achieve cultural fit.

Concluding remarks

Recent commentators have asserted that im-

proving the quality of health care will involve

wholesale systemic change, not just tinkering

around the edges.7 51 In the UK the Govern-

ment's quality strategy seems to recognise just

this, emphasising the importance of cultural

transformation, and in the USA the Institute of

Medicine's ongoing investigations reveal a pre-

occupation with system change. However, if

such an approach is to bear fruit, a number of

assumptions that are currently implicit in the

approach must beverified as having some sub-

stance. Firstly, there must be such a thing as

"organisational culture"; secondly, the nature

of this culture must have some bearing on

clinical performance and health care quality;

thirdly, it should be possible to identify

particular cultural attributes that are facilitative

of performance (or at least, we should be able

to pinpoint those that are damaging); and,

finally, there must be some hope that interven-

tions and management strategies can have a

predictable impact on cultural attributes as a

precursor to bringing about performance

improvements. At the very least, this paper

demonstrates that these assumptions are far

from trivial or self-evident. Indeed, empirical

data are largely absent and conceptual thinking

illuminates contention rather than consensus.

This, in turn, suggests that a more sober

assessment of the task of cultural transforma-

tion in health care is warranted.

While some argue that culture cannot be

shaped as such but that patterns simply emerge

over time, others believe that culture can

indeed be adapted by conscious effort to

beneficial effect.5 55 56 Taking this view—as the

UK government clearly does—a number of

important issues emerge from the preceding
discussions:

• there is a rich literature from other indus-

tries (and, indeed, some from health care)

with much to teach organisations seeking

transformation. It would be a mistake to

neglect this resource, but empirical work

within the distinctive cultures of the health-

care industry is urgently needed to particu-

larise the findings to local circumstances;

• the scale and scope of the task facing health-

care providers is substantial. The changes

required are not just structural and proce-

dural but more fundamentally encompass

attitudinal change and the installation of

new values. The task is one of engaging

hearts and minds which will require actions

and words linked with an unusual level of

coherence and consistency;

• wholesale change of organisational cultures

will be problematic and probably inappro-

priate. This begs the questions of what

should be retained and how specific cultural

attributes can be selected and targeted;

• managing the cultural diversity exhibited in

health care to achieve fit and synergy

between diverse groups will be a challenge.

The recognition that much of the conflict

centres around issues of power and legiti-

macy may be an important precursor to

achieving that fit;

• conspicuously, we have not sought to

identify which cultural attributes most con-

tribute to high quality, effective, and efficient

health care, nor have we attempted to

articulate the strategies that may be helpful

in bringing these about. Although some

guidance here is available,57 58 these tasks

remain substantial;

• attempts to enact a cultural transformation

within health care can expect to meet with

resistance (passive or active), both from

reluctant organisations and resistant organi-

sational subgroups;
any strategy to change the culture within health care will need to heed the constraints imposed by external influences on cultural values, especially those arising from the various healthcare professions. Thus, national quality strategies will also need to influence more than just the activities of healthcare delivery organisations; attempts at cultural transformation may induce deleterious and unwelcome changes as well as the sought for cultural shifts. Avoiding these dysfunctional consequences (or even assessing whether they have been induced) may be difficult.

A certain amount of cultural fluidity in organisations is to be expected, and this may be exacerbated when organisations struggle to cope with a turbulent environment. Nonetheless, recognising that cultures do change need not imply that cultures can be changed in a predictable manner by policy or managerial interventions. Indeed, observation in other industries suggests that two circumstances must pertain if fundamental change is to be achieved: either the organisation must be facing imminent crises leading to possible extinction or there must be considerable organisational slack available. Whereas the upheaval wrought by managed care in the USA may provide such conditions, it seems doubtful that either of these circumstances currently prevails in the UK.

This paper has attempted to sharpen thinking on the nature of organisational cultures in health care as a means of underpinning debates on whether and how such cultures should, or indeed, can be transformed. It is our view that strategies aimed at revolutionising the quality of health services through cultural transformation need to be more articulate on the cultural destinations sought, and the mechanisms that will carry organisations towards these destinations.

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