

Are poor management practices holding back middle-income countries? **Renata Lemos** and **Daniela Scur** look at evidence for private firms and public organisations in India – in manufacturing, retail, healthcare and education.

Bad management: a constraint on economic development?

For years, economists have documented surprising differences in the productivity performance of firms, even among those operating in the same narrow sector. One factor that may help to explain these differences is the quality of management practices, something that has been systematically measured since 2001 by CEP's World Management Survey (WMS, <http://worldmanagementsurvey.org>).

The WMS uses an interview-based evaluation tool that defines and scores a set of between 18 and 23 basic management practices from one ('worst practice') to five ('best practice'). It has now collected data on over 7,500 manufacturing firms, nearly 900 retail firms, 1,700 hospitals and 1,400 schools across middle- and high-income countries.

Research using these data finds consistent evidence that management practices – defined in terms of monitoring, targets and incentives – are linked to firm and national performance. Furthermore, competition, ownership, skills and labour market regulations play a major role in explaining variations in management practices across firms and countries.

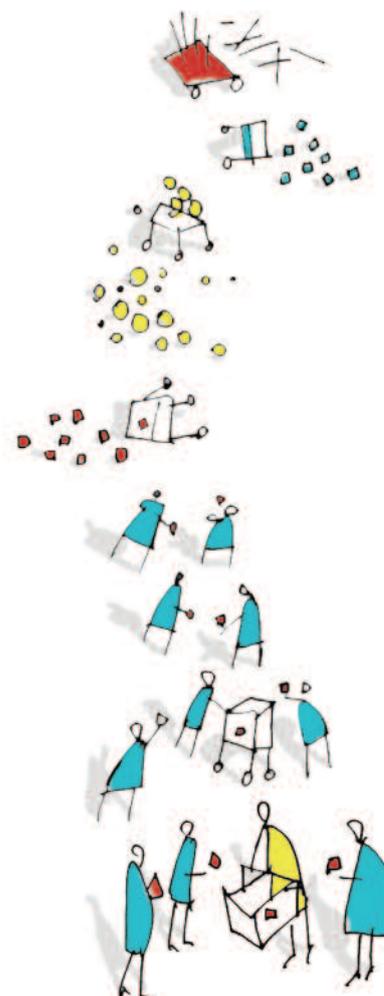
The research also finds that firms in middle-income countries have much worse management practices, on average, than firms in high-income countries (see

Figure 1). This seems to be due to a large tail of badly managed firms co-existing with firms with world-class management. Indeed, 63% of the variation in management practices in the manufacturing sector can be attributed to variation within countries, while only 21% can be attributed to variation between countries. This suggests that bad management could be an important factor behind the lower levels of productivity and development of many countries.

Management and productivity across sectors

The WMS initially surveyed manufacturing firms. As the data set grew to encompass more than 7,500 firms, a telling picture of the state of management across the world started to emerge: the usual suspects – the United States, Germany, Japan and Sweden – have the best management practices, while emerging economies such as Brazil, China and India have worse management practices on average.

Since then, the survey has been adapted to other sectors of the economy. In 2012, data collection was expanded to the retail, healthcare and education sectors in India. Comparison between middle- and high-income countries tells the same story across all sectors: management quality varies in tandem with levels of development.



he could avoid the over- or under-stocking of items as they are sold, as well as having to leave part of the stock on the shop floor. And better scheduling of his employees based on the hourly foot traffic of the store would reduce stress on the staff while perhaps even improving the customer service he values so highly.

There are similar examples in education and healthcare. Managers in many hospitals noted the bad layout of patient pathways. We listened to tales of patients being moved from the emergency room across the parking lot to reach other areas of the hospital, and of doctors and nurses transporting patients since no other staff were available for the job. We also heard of the frustration of long waits for incoming patients while recently vacated rooms were being cleaned and prepared. Once, we even spoke to a patient who

ended up answering our call since the receptionist was nowhere to be found. As with retail stores, it is clear that a study of patient flows – to schedule arrivals and discharges more effectively – could help hospitals to reduce their waiting times.

In education, many head teachers told us that there was no way of tracking pupils across grades, as teachers did not discuss pupils' progress in a systematic manner or share class results from previous years. They also described teaching practices focused solely on preparing the pupils for passing their end of year exams. Implementing a system to keep track of pupils across grades with regular teacher meetings could also help identify problem pupils early on, raising the chances of improving their learning. Instead of doing observation rounds, some head teachers monitored their teachers

Indian management practices in retail, education and healthcare are, on average, poorer than in Europe and North America

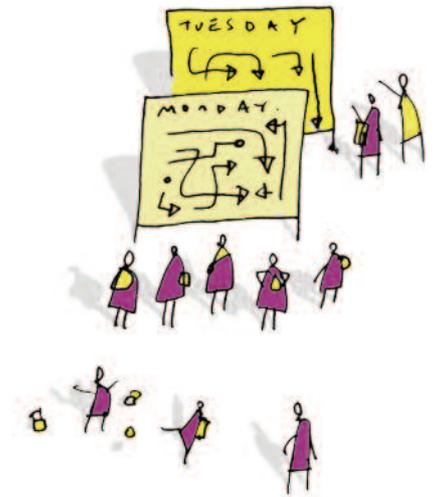
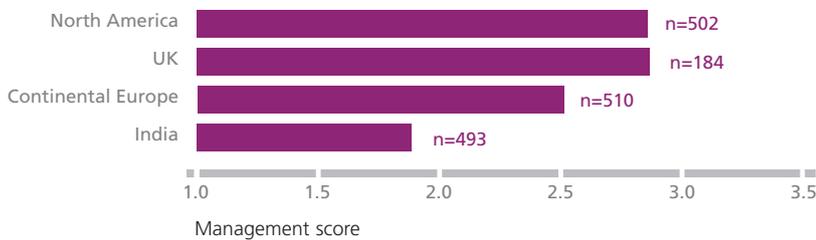


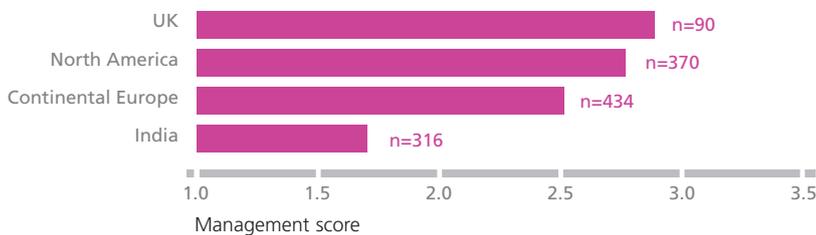
Figure 2: Country management practice scores in hospitals, schools and retail firms follow similar patterns to country management practice scores in the manufacturing sector

Hospital management scores



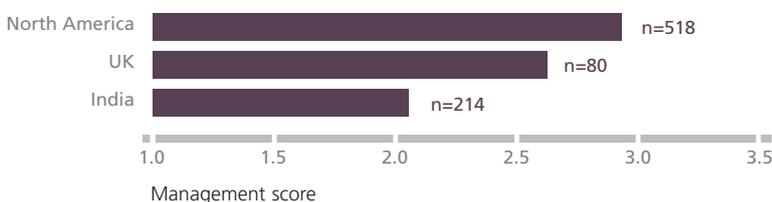
Note: Data from the World Management Survey. North America includes Canada and the United States. Continental Europe includes France, Germany, Italy and Sweden.

School management scores



Note: Data from the World Management Survey. North America includes Canada and the United States. Continental Europe includes France, Germany, Italy and Sweden.

Retail management scores



Note: Data from the World Management Survey. North America includes Canada and the United States.

through a few closed-circuit television cameras installed in the classrooms, which transmitted video but no audio.

In the manufacturing sector, we have some experimental evidence showing that lower quality management is constraining firms' productivity but that both can be improved. A field experiment with large, multi-plant textiles firms in India found that adopting modern management practices raised productivity by 17% on average in the first year; after three years, it had led to firms expanding through more plant openings. So it is clear that better management practices can be adopted in Indian firms and can lead to significant improvements in performance.

Alongside the examples of badly managed establishments, there are also some shining stars comparable to the top stores, schools and hospitals in the United States and the UK. Stores that are part of multinational chains often follow many of the same practices as their US counterparts. For example, we interviewed some managers who detailed their clear problem documentation process to ensure that there are no recurrent mistakes in shop floor organisation, and many even have balanced performance-based pay schemes. We were also able to visit some of these stores in Mumbai, where our temporary office was based, and see these practices in action.

We also visited a Mumbai hospital and were thoroughly impressed by their management practices. The manager systematically tracks a wide set of indicators across a balanced set of categories (such as quality, financial, safety and human resources), and uses these to

evaluate employees and set pay. The hospital even has a medicine delivery tube connecting the pharmacy on the ground floor to all other floors – something that we have only seen in the top hospitals in the United States and Europe.

Finally, we visited a school that had implemented many best practices, including posting class and pupil results on public boards, as well as creating standardised lesson plans so all classes at the same grade level are receiving consistent education.

If it is clearly possible to implement 'best practice' management in these establishments, why are these practices not adopted more widely? It seems that 'informational barriers' as well as constraints on the efficient reallocation of resources are the most likely culprits. At the end of each interview, we asked managers to evaluate the quality of management practices in the rest of the company/hospital/school (excluding themselves) on a scale of one to ten. We then re-scaled their answers to match our one-to-five scale and compared the results.

The gap between the actual management score, as measured by our survey, and the managers' self-score for each sector is astounding. There is a striking pattern of Indian managers significantly over-scoring the quality of management of their establishments across all sectors. This is a key point for policy as it is unlikely that managers – or stakeholders in general – will push for change if they believe that their practices are good enough already.

The evidence also points to a significant gap in understanding of what are best practices and how to implement them properly. An important question for further research is what drives this information asymmetry: would changing people's perceptions and informing them of their shortcomings lead to immediate implementation of best practices – or are there deeper structural issues (such as lack of education and specialised training) that would prevent managers from implementing the practices, even if they knew about them? What are the patterns of information diffusion and knowledge spillovers that lead best practices to reach only a subset of establishments?

These are important questions for research and policy. Many of these

Indian managers in all sectors significantly over-rate the quality of their organisations' management



changes in management practices require relatively little capital investment and can yield significant improvements in productivity. In the context of tight capital markets, cash-strapped governments and a generally harsh economic climate, improvements in organisational capacity and management could be a way to drive future productivity growth.

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Some Indian organisations have top-notch management practices, but there is a large tail of badly managed ones