

Is Yours a Learning Organization?

Using this assessment tool, companies can pinpoint areas where they need to foster knowledge sharing, idea development, learning from mistakes, and holistic thinking.

by **David A. Garvin, Amy C. Edmondson, and Francesca Gino**

LEADERS MAY THINK that getting their organizations to learn is only a matter of articulating a clear vision, giving employees the right incentives, and providing lots of training. This assumption is not merely flawed—it's risky in the face of intensifying competition, advances in technology, and shifts in customer preferences.

Organizations need to learn more than ever as they confront these mounting forces. Each company must become a *learning organization*. The concept is not a new one. It flourished in the 1990s, stimulated by Peter M. Senge's *The Fifth Discipline* and countless other publications, workshops, and websites. The result was a compelling vision of an organization made up of employees skilled at creating, acquiring, and transferring knowledge. These people could help their firms cultivate tolerance, foster open discussion, and think holistically and systemically. Such learning organizations would be able to adapt to the unpredictable more quickly than their competitors could.

Unpredictability is very much still with us. However, the ideal of the learning organization has not yet been realized. Three factors have impeded progress. First, many of the early discussions about learning organizations were paeans to a better world rather than concrete prescriptions. They over-emphasized the forest and paid little attention to the trees. As a result, the associated recommendations proved difficult to implement – managers could not identify the sequence of steps necessary for moving forward. Second, the concept was aimed at CEOs and senior executives rather than at managers of smaller departments and units where critical organizational work is done. Those managers had no way of assessing how their teams' learning was contributing to the organization as a whole. Third, standards and tools for assessment were lacking. Without these, companies could declare victory prematurely or claim progress without delving into the particulars or

comparing themselves accurately with others.

In this article, we address these deficiencies by presenting a comprehensive, concrete survey instrument for assessing learning within an organization. Built from the ground up, our tool measures the learning that occurs in a department, office, project, or division – an organizational unit of any size that

supportive learning environment, concrete learning processes and practices, and leadership behavior that provides reinforcement. We refer to these as the *building blocks of the learning organization*. Each block and its discrete subcomponents, though vital to the whole, are independent and can be measured separately. This degree of granular analysis has not been previously available.

Supportive learning environments allow time for a pause in the action and encourage thoughtful review of the organization's processes.

has meaningful shared or overlapping work activities. Our instrument enables your company to compare itself against benchmark scores gathered from other firms; to make assessments across areas within the organization (how, for, example, do different groups learn relative to one another?); and to look deeply within individual units. In each case, the power is in the comparisons, not in the absolute scores. You may find that an area your organization thought was a strength is actually less robust than at other organizations. In effect, the tool gives you a broader, more grounded view of how well your company learns and how adeptly it refines its strategies and processes. Each organization, and each unit within it, needs that breadth of perspective to accurately measure its learning against that of its peers.

Our tool is structured around the three building blocks and allows companies to measure their learning proficiencies in great detail. As you shall see, organizations do not perform consistently across the three blocks, nor across the various subcategories and subcomponents. That fact suggests that different mechanisms are at work in each building-block area and that improving performance in each is likely to require distinct supporting activities. Companies, and units within them, will need to address their particular strengths and weaknesses to equip themselves for long-term learning. Because all three building blocks are generic enough for managers and firms of all types to assess, our tool permits organizations and units to slice and dice the data in ways that are uniquely useful to them. They can develop profiles of their distinctive approaches to learning and then compare themselves with a benchmark group of respondents. To reveal the value of all these comparisons, let's look in depth at each of the building blocks of a learning organization.

Building Blocks of the Learning Organization

Organizational research over the past two decades has revealed three broad factors that are essential for organizational learning and adaptability: a

Article at a Glance

A learning organization is a place where employees excel at creating, acquiring, and transferring knowledge. There are three building blocks of such institutions: (1) a supportive learning environment, (2) concrete learning processes and practices, and (3) leadership behavior that reinforces learning.

The online tool presented here can help you assess the depth of learning in your organization and its individual units. The power of the instrument lies in the comparisons it allows users to make – within and among an institution's functional areas, between organizations, and against established benchmarks.

Exploring how well your company learns relative to others reveals both the multidimensionality of the organizational learning process and the specific areas where your company needs to improve.

David A. Garvin (dgarvin@hbs.edu) is the C. Roland Christensen Professor of Business Administration and the chair of the Teaching and Learning Center, and Amy C. Edmondson (aedmondson@hbs.edu) is the Novartis Professor of Leadership and Management and the chair of the doctoral programs, at Harvard Business School in Boston. Francesca Gino (fgino@andrew.cmu.edu) is a visiting assistant professor of organizational behavior and theory at Carnegie Mellon University in Pittsburgh.

BUILDING BLOCK 1: A supportive learning environment. An environment that supports learning has four distinguishing characteristics.

Psychological safety. To learn, employees cannot fear being belittled or marginalized when they disagree with peers or authority figures, ask naive questions, own up to mistakes, or present a minority viewpoint. Instead, they must be comfortable expressing their thoughts about the work at hand.

Appreciation of differences. Learning occurs when people become aware of opposing ideas. Recognizing the value of competing functional outlooks and alternative worldviews increases energy and motivation, sparks fresh thinking, and prevents lethargy and drift.

Openness to new ideas. Learning is not simply about correcting mistakes and solving problems. It is also about crafting novel approaches. Employees should be encouraged to take risks and explore the untested and unknown.

Time for reflection. All too many managers are judged by the sheer number of hours they work and the tasks they accomplish. When people are too busy or overstressed by deadlines and scheduling pressures, however, their ability to think analytically and creatively is compromised. They become less able to diagnose problems and learn from their experiences. Supportive learning environments allow time for a pause in the action and encourage thoughtful review of the organization's processes.

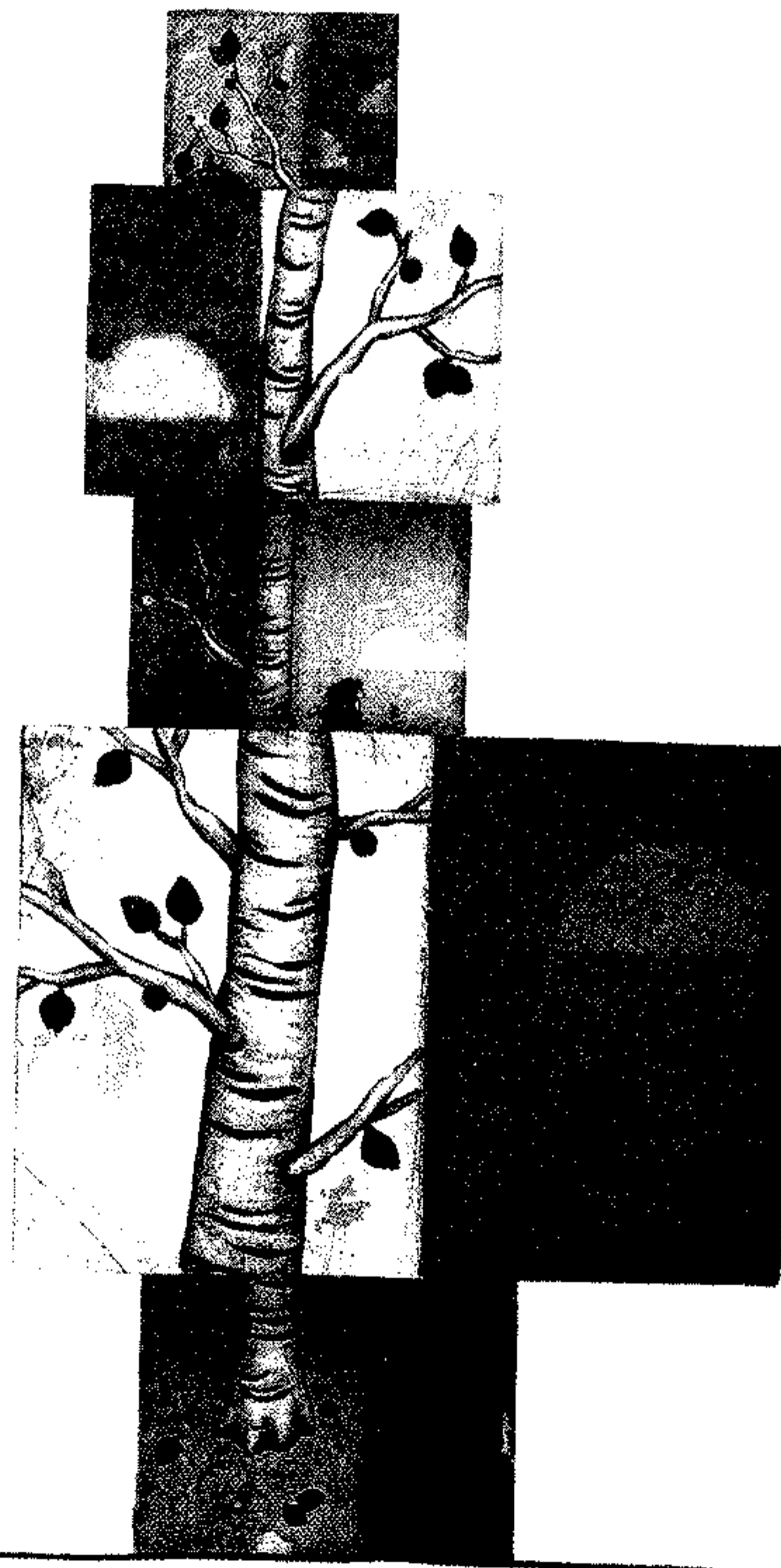
To change a culture of blame and silence about errors at Children's Hospitals and Clinics of Minnesota, COO Julie Morath instituted a new policy of "blameless reporting" that encouraged replacing threatening terms such as "errors" and "investigations" with less emotionally laden terms such as "accidents" and "analysis." For Morath, the culture of hospitals must be, as she told us, "one of everyone working together to understand safety, identify risks, and report them with out fear of blame." The result was that people started to collaborate throughout the organization

to talk about and change behaviors, policies, and systems that put patients at risk. Over time, these learning activities yielded measurable reductions in preventable deaths and illnesses at the institution.

BUILDING BLOCK 2: Concrete learning processes and practices. A learning organization is not cultivated effortlessly. It arises from a series of concrete steps and widely distributed activities, not unlike the workings of business processes such as logistics, billing, order fulfillment, and product develop-

ment. Learning processes involve the generation, collection, interpretation, and dissemination of information. They include experimentation to develop and test new products and services; intelligence gathering to keep track of competitive, customer, and technological trends; disciplined analysis and interpretation to identify and solve problems; and education and training to develop both new and established employees.

For maximum impact, knowledge must be shared in systematic and



clearly defined ways. Sharing can take place among individuals, groups, or whole organizations. Knowledge can move laterally or vertically within a firm. The knowledge-sharing process can, for instance, be internally focused, with an eye toward taking corrective action. Right after a project is completed, the process might call for post-audits or reviews that are then shared with others engaged in similar tasks. Alternatively, knowledge sharing can be externally oriented – for instance, it might include regularly scheduled forums with customers or subject-matter

experts to gain their perspectives on the company's activities or challenges. Together, these concrete processes ensure that essential information moves quickly and efficiently into the hands and heads of those who need it.

Perhaps the best known example of this approach is the U.S. Army's After Action Review (AAR) process, now widely used by many companies, which involves a systematic debriefing after every mission, project, or critical activity. This process is framed by four simple questions: What did we set out to do? What actually happened? Why

did it happen? What do we do next time? (Which activities do we sustain, and which do we improve?) In the army, lessons move quickly up and down the chain of command, and laterally through sanctioned websites. Then the results are codified by the Center for Army Lessons Learned, or CALL. Such dissemination and codification of learning is vital for any organization.

BUILDING BLOCK 3: Leadership that reinforces learning. Organizational learning is strongly influenced by the behavior of leaders. When leaders actively question and listen to em-

Assess the Depth of Learning in Your Organization

This diagnostic survey, which you take online, is designed to help you determine how well your company functions as a learning organization. The complete interactive version, available at los.hbs.edu, includes all the self-assessment statements to the right; they are divided into three sections, each representing one building block of the learning organization. In the first two blocks, your task is to rate, on a seven-point scale, how accurately each statement describes the organizational unit in which you work. In the third block, your task is to rate how often the managers (or manager) to whom you report exemplify the behavior described.

Dynamic scoring online synthesizes your ratings (some are reverse-scored because they reflect undesirable behaviors) and yields an estimated score for each building block and subcomponent. Synthesized scores are then converted to a zero-to-100 scale for ease of comparison with other people in your unit and other units in your organization. In addition, you can compare your scores with benchmark data that appear in the table on page 114.



Visit learning.tools.hbr.org for a short version of this survey and for recommended lists of learning resources that are tailored to your results. For the complete interactive tool, including scoring, go to los.hbs.edu.

BUILDING BLOCK 1

Supportive Learning Environment

Psychological Safety

In this unit, it is easy to speak up about what is on your mind.

If you make a mistake in this unit, it is often held against you.*

People in this unit are usually comfortable talking about problems and disagreements.

People in this unit are eager to share information about what does and doesn't work.

Keeping your cards close to your vest is the best way to get ahead in this unit.*

Appreciation of Differences

Differences in opinion are welcome in this unit.

Unless an opinion is consistent with what most people in this unit believe, it won't be valued.*

This unit tends to handle differences of opinion privately or off-line, rather than addressing them directly with the group.*

In this unit, people are open to alternative ways of getting work done.

Openness to New Ideas

In this unit, people value new ideas.

Unless an idea has been around for a long time, no one in this unit wants to hear it.*

In this unit, people are interested in better ways of doing things.

In this unit, people often resist untried approaches.*

Time for Reflection

People in this unit are overly stressed.*

Despite the workload, people in this unit find time to review how the work is going.

In this unit, schedule pressure gets in the way of doing a good job.*

In this unit, people are too busy to invest time in improvement.*

There is simply no time for reflection in this unit.*

ployees – and thereby prompt dialogue and debate – people in the institution feel encouraged to learn. If leaders signal the importance of spending time on problem identification, knowledge transfer, and reflective post-audits, these activities are likely to flourish. When people in power demonstrate through their own behavior a willingness to entertain alternative points of view, employees feel emboldened to offer new ideas and options.

Harvey Golub, former chief executive of American Express, was renowned for his ability to teach employ-

ees and managers. He pushed hard for active reasoning and forced managers to think creatively and in unexpected ways. A subordinate observed that he often “came at things from a different angle” to ensure that conventional approaches were not accepted without first being scrutinized. “I am far less interested in people having the right answer than in their thinking about issues the right way,” Golub told us. “What criteria do they use? Why do they think the way they do? What alternatives have they considered? What premises do they have? What rocks

are they standing on?” His questions were not designed to yield particular answers, but rather to generate truly open-minded discussion.

The three building blocks of organizational learning reinforce one another and, to some degree, overlap. Just as leadership behaviors help create and sustain supportive learning environments, such environments make it easier for managers and employees to execute concrete learning processes and practices smoothly and efficiently. Continuing the virtuous circle, concrete processes provide opportunities

BUILDING BLOCK 2

Concrete Learning Processes and Practices

Experimentation

This unit experiments frequently with new ways of working.

This unit experiments frequently with new product or service offerings.

This unit has a formal process for conducting and evaluating experiments or new ideas.

This unit frequently employs prototypes or simulations when trying out new ideas.

Information Collection

This unit systematically collects information on

- competitors
- economic and social trends
- customers
- technological trends

This unit frequently compares its performance with that of

- competitors
- best-in-class organizations

Analysis

This unit engages in productive conflict and debate during discussions.

This unit seeks out dissenting views during discussions.

This unit never revisits well-established perspectives during discussions.*

This unit frequently identifies and discusses underlying assumptions that might affect key decisions.

This unit never pays attention to different views during discussions.*

Education and Training

Newly hired employees in this unit receive adequate training.

Experienced employees in this unit receive

- periodic training and training updates
- training when switching to a new position
- training when new initiatives are launched

In this unit, training is valued.

In this unit, time is made available for education and training activities.

Information Transfer

This unit has forums for meeting with and learning from

- experts from other departments, teams, or divisions
- experts from outside the organization
- customers and clients
- suppliers

This unit regularly shares information with networks of experts within the organization.

This unit regularly shares information with networks of experts outside the organization.

This unit quickly and accurately communicates new knowledge to key decision makers.

This unit regularly conducts post-audits and after-action reviews.

My managers listen attentively.

My managers encourage multiple points of view.

My managers provide time, resources, and venues for identifying problems and organizational challenges.

My managers provide time, resources, and venues for reflecting and improving on past performance.

My managers criticize views different from their own.*

BUILDING BLOCK 3

Leadership That Reinforces Learning

My managers invite input from others in discussions.

My managers acknowledge their own limitations with respect to knowledge, information, or expertise.

My managers ask probing questions.

* Reverse-scored items

for leaders to behave in ways that foster learning and to cultivate that behavior in others.

Uses for the Organizational Learning Tool

Our online diagnostic tool is designed to help you answer two questions about the organizational unit that you lead or in which you work: “To what extent is your unit functioning as a learning organization?” and “What are the relationships among the factors that affect learning in your unit?” People who complete the survey rate how accurately a series of brief, descriptive sentences in each of the three building blocks of learning describe their organization and its learning culture. For the list of statements in the complete survey, information about where to find it online, and details about how it works, see the exhibit “Assess the Depth of Learning in Your Organization.”

There are two primary ways to use the survey. First, an individual can take it to get a quick sense of her work unit or project team. Second, several members of a unit can each complete the survey and average their scores. Either way, the next step is to compare individual or group self-evaluations with overall benchmark scores from our baseline group of organizations. The benchmark data are stratified into quartiles – that is, the bottom 25%, the next 25%, and so on – for each attribute, arrayed around a median (see the exhibit “Benchmark Scores for the Learning Organization Survey”). Once you have obtained your own scores online, you can identify the quartile in which your scores fall and reflect on how they match your prior expectations about where you stand.

Having compared individual or unit scores with the benchmarks, it’s possible to identify areas of excellence and opportunities for improvement. If employees in multiple units wish to take the survey, you can also make the comparisons unit-by-unit or companywide. Even if just two people from different

Benchmark Scores for the Learning Organization Survey

Our baseline data were derived from surveys of large groups of senior executives in a variety of industries who completed an eight-week general management program at Harvard Business School. We first conducted the survey in the spring of 2006 with 100 executives in order to evaluate the statistical properties of the survey and assess the underlying constructs. That autumn we surveyed another 125 senior executives to use as our benchmark data.

After you’ve taken the complete survey at los.hbs.edu, compare the average scores for people in your group with the benchmark scores in the following chart. If your group’s scores fall at or below the median in a particular building block or subcomponent – especially if they are in the bottom quartile – consider initiating an improvement effort in that area. One possibility is to assemble a team to brainstorm specific, concrete strategies for enhancing the area of weakness. In any building block or subcomponent where your group’s scores fall above the median – especially if they are in the top quartile – consider partnering with other units in your organization that may benefit from specific, concrete strategies that you can articulate and model for them in the area of weakness.

Building Blocks and Their Subcomponents	Scaled Scores				
	Bottom quartile	Second quartile	Median	Third quartile	Top quartile
Supportive Learning Environment					
• Psychological safety	31–66	67–75	76	77–86	87–100
• Appreciation of differences	14–56	57–63	64	65–79	80–100
• Openness to new ideas	38–80	81–89	90	91–95	96–100
• Time for reflection	14–35	36–49	50	51–64	65–100
Learning environment composite	31–61	62–70	71	72–79	80–90
Concrete Learning Processes and Practices					
• Experimentation	18–53	54–70	71	72–82	83–100
• Information collection	23–70	71–79	80	81–89	90–100
• Analysis	19–56	57–70	71	72–86	87–100
• Education and training	26–68	69–79	80	81–89	90–100
• Information transfer	34–60	61–70	71	72–84	85–100
Learning processes composite	31–62	63–73	74	75–82	83–97
Leadership That Reinforces Learning					
Composite for this block	33–66	67–75	76	77–82	83–100

Note: The scaled scores for learning environment and learning processes were computed by multiplying each raw score on the seven-point scale by 100 and dividing it by seven. For learning leadership, which was based on a five-point scale, the divisor was five.

parts of a firm compare scores, they can pinpoint cultural differences, commonalities, and things to learn from one another. They may also discover that their unit – or even the company – lags behind in many areas. By pooling individual and unit scores, organizations as a whole can begin to address specific problems.

Holding Up the Mirror at Eutilize

Consider how managers from a major European public utility, which we will call Eutilize, used the survey to assess their company's readiness for and progress in becoming a learning organization. In the summer of 2006, 19 mid-level managers took the survey. Before learning their scores, participants were asked to estimate where they thought Eutilize would stand in relation to the benchmark results from other firms.

Virtually all the participants predicted average or better scores, in keeping with the company's espoused goal of using knowledge and best-practice transfers as a source of competitive advantage. But the results did not validate those predictions. To their great surprise, Eutilize's managers rated themselves below the median baseline scores in almost all categories. For example, out of a possible scaled score of 100, they had 68 on leadership, compared with the median benchmark score of 76. Similarly, they scored 58 on concrete learning processes (versus the median benchmark of 74) and 62 on supportive learning environment (versus the median of 71). These results revealed to the Eutilize managers that integrating systematic learning practices into their organization would take considerable work. However, the poorest-scoring measures, such as experimentation and time for reflection, were common to both Eutilize and the baseline organizations. So Eutilize was not unusual in where it needed to improve, just in how much.

The portrait that emerged was not unexpected for a public utility that had long enjoyed monopolies in a small

number of markets and that only recently had established units in other geographic areas. Eutilize's scores in the bottom quartile on openness to new ideas, experimentation, conflict and debate, and information transfer were evidence that changing the company's established culture would be a long haul.

Eutilize's managers also discovered the degree to which their mental models about their own ways of working were inaccurate. For example, they learned that many people in their firm believed that "analysis" was an area of strength for Eutilize, but they interpreted analysis to be merely number

When leaders demonstrate a willingness to entertain alternative points of view, employees feel emboldened to offer new ideas.

crunching. The survey results helped them to understand the term analysis more broadly – to think about the degree to which people test assumptions, engage in productive debate, and seek out dissenting views. Each of those areas was actually a weakness in the firm. This revelation led Eutilize's managers to understand that without a more open environment buttressed by the right processes and leadership, the company would have difficulty implementing a new strategy it had just adopted.

Eutilize's experience illustrates how our organizational learning tool prompts reflective discussion among managers about their leadership and organizational practices. Without concrete data, such reflection can become abstract and susceptible to idiosyncratic assessments and often emotional disagreements about the current state of affairs. With the survey data in hand, managers had a starting point for discussion, and participants were able to point to specific behaviors, practices, or events that might explain both high and low scores. The results also helped Eutilize's managers to identify the ar-

reas where their firm needed special attention.

Given that the survey-based scores derive from perceptions, the best use of the data at Eutilize was, as it would be at any company, to initiate conversation and self-reflection, not to be the sole basis for decision making. Discussions had to be conducted with a healthy balance of what scholars call "advocacy and inquiry." The communication allowed people the latitude to assert their personal observations and preferred suggestions for action, but it also ensured that everyone took the time to carefully consider viewpoints that were not their own. In addition, managers learned the

importance of using concrete examples to illustrate interpretations, to refer to specific practices or processes, and to clarify observations. Finally, the participants from Eutilize identified specific actions to be taken. Had they not done so, the discussions could have deteriorated into unproductive complaint sessions.

Moving Forward: Four Principles

Our experiences developing, testing, and using this survey have provided us with several additional insights for managers who seek to cultivate learning organizations.

Leadership alone is insufficient. By modeling desired behaviors – open-minded questioning, thoughtful listening, consideration of multiple options, and acceptance of opposing points of view – leaders are indeed likely to foster greater learning. However, learning-oriented leadership behaviors alone are not enough. The cultural and process dimensions of learning appear to require more explicit, targeted interventions. We studied dozens of organizations in depth when developing our

