Consequences and impacts of the global proliferation of megacities

For the first time in history, the majority of people on earth live in cities rather than rural areas.



Remarkable demographic and geographic transformation from 1950



30 percent of the earth's then 2.5B inhabitants lived in urban environments.

This growth brings a wealth of opportunities and also many challenges for corporations and other institutions.

A megacity commonly is defined as a metropolitan area with a total population

of more than 10 million people — whether

in a single city or through the convergence

of two or more adjacent metropolitan areas.

As of 2016, 35 metropolitan areas worldwide

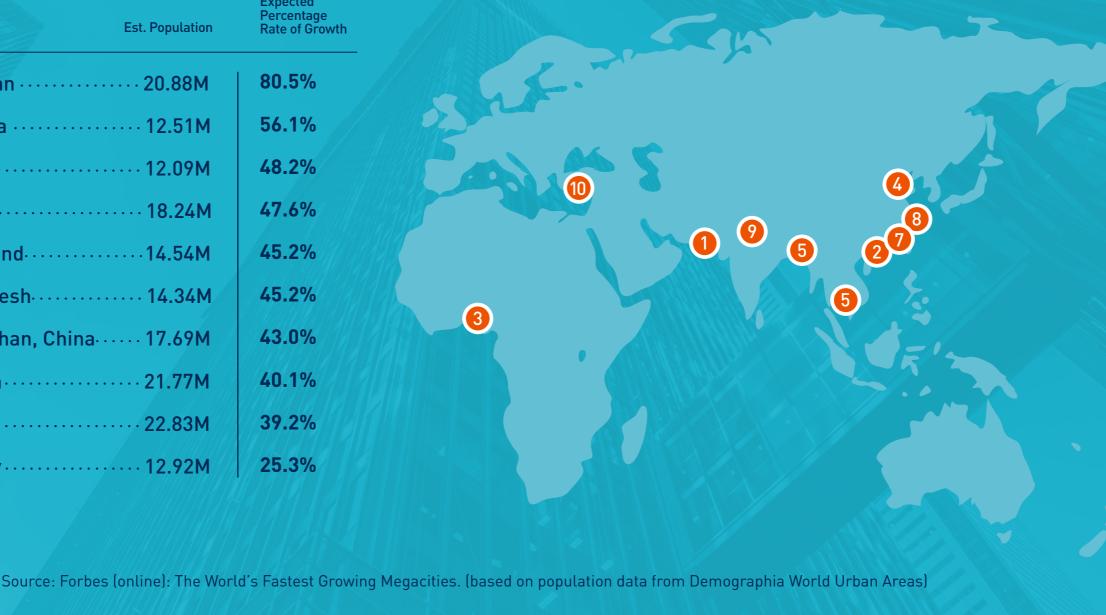
are classified as megacities. At least five

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more will join the list by 2025. The Fastest Growing Megacities and Expected Rate of Growth from 2000-2010



Megacity	Est. Population	Percentage Rate of Grow
1 - Karachi, Pakistan · · · · · ·	20.88M	80.5%
2 - Shenzhen, China ······	12.51M	56.1%
3 - Lagos, Nigeria·····	12.09M	48.2%
4 - Beijing, China·····	18.24M	47.6%
5 - Bangkok, Thailand·····	14.54M	45.2%
5 - Dhaka, Bangladesh·····	14.34M	45.2%
7 - Guangzhou-Foshan, Chir	na······ 17.69M	43.0%
8 - Shanghai, China·····	21.77M	40.1%
9 - Delhi, India · · · · · · · · · · · · · · · · · · ·	22.83M	39.2%
10 - Istanbul, Turkey · · · · · · ·	12.92M	25.3%



if Tokyo were considered a country, it would be the 31st largest in the world by 2025.1

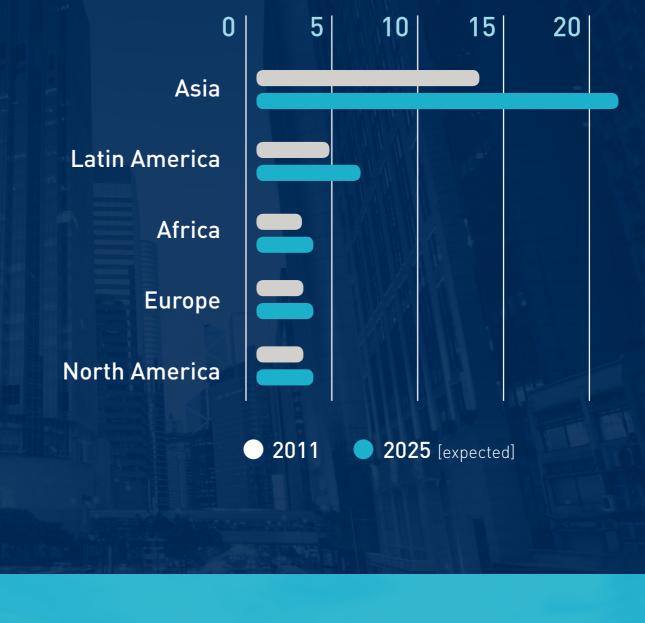
Tokyo is the largest of the megacities with a population of 38 million. To provide some perspective,

The vast majority of the world's largest and fastest

a very clear trend.

Urban growth data reveals

growing megacities are in developing countries.² While entire new cities are forming in countries like China and India, the rapid expansion of existing major cities Brazil, Mexico, Nigeria, South Africa and Turkey³ is more typical.

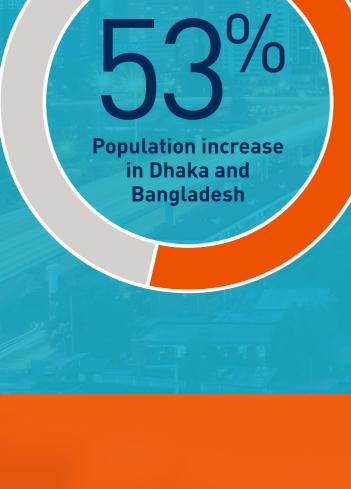


Change in Number of Megacities Per Region

China is expected to add dozens of new megacities over the next 30 years.⁴ Some of the fastest growth

will occur in Dhaka, Bangladesh, where the city will see a population increase of 53 percent. Beijing is set

to expand by 44 percent, while New Delhi's population will grow by 43 percent.⁵







of sustainability and infrastructure to support businesses and city dwellers become critical.⁶ Strong institutions — from government to

Public Policy Implications

As these urbanization trends accelerate, issues

businesses to cultural groups — are critically needed to strategically manage growth and pre-empt or address problems and externalities. Megacities are in competition with each other and the winners will be the ones with welldeveloped infrastructure, or at least the capital and political will to deliver it.



Accompanying this massive growth is the

demand and competition for labor skill sets

that did not exist even three years ago. This

is a challenge public and private institutions

will need to tackle together.



today that we expect will significantly reshape the landscape in 2020," points out Byron Carlock, U.S. real estate practice leader at PwC.8 This investment activity will trigger new

real estate opportunities for urban density

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Rapid urbanization within emerging markets

will propel real estate investment during the

foreseeable future.7 "The real estate industry

is currently undergoing fundamental changes

housing, transit-oriented development and urban high street retail.9 China India





a clear strategic view of whether and

how a megacity will be sustainable.

Corporate Mobility Program Implications Globally active companies that are hiring or transferring employees should stay informed on individual and global megacity trends. Some cities are experiencing the type of growth that can significantly impact real estate and

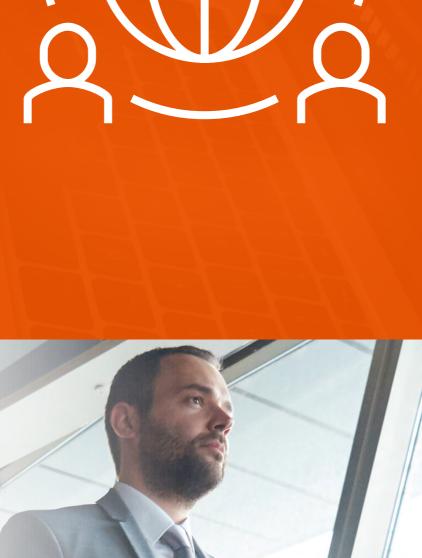
infrastructure situations. Relocation budgets,

support services, housing options and other

elements of a relocation program will hinge

on the rate of local urban growth, how it is

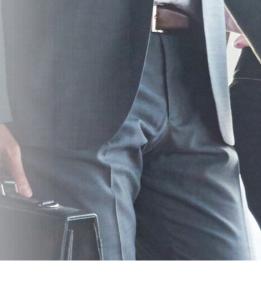
being managed and the condition of the local residential and commercial real estate markets. **KEY TAKEAWAYS**





There's a very clear, direct relationship between global relocation activity and urban growth. It's never too early to begin exploring relocation options in these fast-growing megacities. Not all megacities are managing growth well,

so global corporations will need to tailor their assignee support for the local conditions.



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10 Jenny Jones. Global Construction to Jump 70 Percent by 2025. Civil Engineering Magazine, August 20, 2013.

11 Real Estate 2020: Building the future. PwC, 2014.



Here's to the Vorld Ahead.

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SOURCES: 1 www.statista.com 2 Ariel Schwartz. The 10 Fastest Growing Megacities in the World. Fast Company, April 16, 2013. 3 Real Estate 2020: Building the future. PwC, 2014. 4 John W. Schoen. Megacities' explosive growth poses epic challenges" CNBC, March 21, 2014. 5 www.statista.com 6 John W. Schoen. Megacities' explosive growth poses epic challenges. CNBC, March 21, 2014. © 2016 Graebel Companies, Inc. All rights reserved. All trademarks are property of their respective owners. 7 Real Estate 2020: Building the future. PwC, 2014. 8 Global Investable Real Estate Estimated to Grow by More than 55 Percent to \$45 Trillion by 2020, According to PwC Report. February 27, 2014.