Population and Tall Buildings: Number, Height, and Age

Tall buildings, once almost exclusively a product of North America, are spreading across the globe at an ever-increasing rate. The global number of buildings 200 meters or more in height has risen from 286 to 602 in the last decade alone. Currently, these buildings exist in 32 countries across the world. This study examines these countries by juxtaposing population and tall building statistics, and investigates the average height and age of each country’s tallest buildings.

The recent dramatic increase in tall buildings has been fueled by a large variety of local and global motivations, and therefore cannot be directly related to any single factor (such as an area’s population, density, government, etc.). The historical and statistical contexts of the “tall typology” thus vary dramatically across the globe. At one end of the spectrum is the UAE, which can now boast 44 buildings over 200 meters in height. For a country of 4.7 million people, this means that there are only 100,000 citizens for every 200 m+ building. In contrast, China, with 200 buildings at the 200 m+ level, has nearly seven million citizens for every 200 m+ building. Perhaps unsurprisingly, the research demonstrates that the lowest population-to-building-ratios can be found in Middle Eastern countries like the UAE, Bahrain and Qatar. The highest population-to-building ratios, meanwhile, are less geographically predictable, with India, Vietnam, France, and Mexico topping the list.

Notes:
1. All tall building data has been sourced from the CTBUH Tallest Database (http://buildingdb.ctbuh.org/).
2. Unless otherwise noted, all population data has been sourced from the United Nations Population Database (http://esa.un.org/unpp/).
3. Where noted, population data has been sourced from the US Census Bureau Database (http://www.census.gov/ipc/www/idb/rank.php)

Key
- number of buildings 200m+ in height in country and percentage of global total
- country’s population and percentage of total global population (TGP)
- height of country’s tallest building
- silhouette of country’s tallest building
- average height of country’s tallest ten buildings
- average age in years of country’s tallest ten buildings
- country population (in millions) divided by the number of 200m+ buildings

At an average height of 421 meters, China has the tallest top ten buildings in the world, followed by the UAE (376 meters) and the USA (357 meters).

Of the 32 countries with buildings 200m+, Austria’s tallest ten are the shortest, with an average height of only 128 meters.
Middle East & Africa

Population: 1,265,745,000
18.3% of total global pop.

200m+ buildings: 60
10% of total

Europe

Population: 732,759,000
10.6%

200m+ buildings: 22
3.7% of total

Asia & Australasia

Population: 3,969,877,000
57.5% of total global pop.

200m+ buildings: 472
56.8% of total

Oldest tallest: the USA is home to the world’s oldest tallest ten, with an average age of 32 years, followed by South Africa (28) and Canada (25).

Youngest tallest: Qatar, Panama and Vietnam contain the youngest top ten buildings, with an average age of just 3 years.

Europe, where most developed countries and 10.6% of the world’s population is located, contains only 3.7% of the world’s 200m+ buildings.