

Tall Buildings In Numbers

Worlds Tallest 50 Urban Agglomerations, Projected 2010

Rank ⁽¹⁾	City	Country	Urban Agglomeration Population ⁽²⁾	City Population ⁽³⁾	# of Buildings over 100m ⁽⁴⁾⁽⁵⁾	Combined Heights (m) ⁽⁵⁾⁽⁶⁾	People/Meter ⁽⁶⁾	People/ Building ⁽⁶⁾
1	Hong Kong	China	7,200,000	6,857,100	2354	333,836	22	3,059
2	New York	USA	21,900,000	8,143,197	794	109,720	200	27,582
3	Tokyo	Japan	33,800,000	8,489,653	556	73,008	463	60,791
4	Dubai	UAE	1,540,000	1,089,000	403	66,248	23	3,821
5	Shanghai	China	17,900,000	14,348,535	430	59,958	299	41,628
6	Bangkok	Thailand	8,750,000	6,858,000	355	48,737	180	24,648
7	Chicago	USA	9,850,000	2,842,518	341	48,441	203	28,886
8	Guangzhou	China	15,300,000	8,524,826	295	42,865	357	51,864
9	Seoul	South Korea	23,900,000	9,895,217	282	39,308	608	84,752
10	Kuala Lumpur	Malaysia	4,700,000	1,145,342	244	34,035	138	19,262
11	Singapore	Singapore	4,700,000	4,483,900	238	33,735	139	19,748
12	Shenzhen	China	9,400,000	7,008,831	235	33,435	281	40,000
13	Chongqing	China	6,350,000	5,087,197 ^a	226	31,475	202	28,097
14	Toronto	Canada	5,650,000	2,503,218	216	27,867	203	26,157
15	Panama City	Panama	1,330,000	484,261	185	27,478	48	7,189
16	Manila	Philippines	19,200,000	1,581,082	186	26,307	730	103,226
17	Jakarta	Indonesia	15,100,000	8,640,184	170	23,674	638	88,824
18	Sao Paulo	Brazil	21,000,000	11,016,703	194	22,794	921	108,247
19	Osaka	Japan	16,700,000	2,628,811	172	22,754	734	97,093
20	Beijing	China	13,200,000	11,509,595	172	22,192	595	76,744
21	Macau	China	502,113	498,852	131	19,597	26	3,833
22	Moscow	Russia	13,500,000	10,433,869	132	18,504	730	102,273
23	Tianjin	China	8,200,000	7,499,181	131	18,259	449	62,595
24	Nanjing	China	4,700,000	3,624,234	110	16,784	280	42,727
25	Mumbai	India	22,300,000	11,914,398	118	16,331	1,365	188,983
26	Miami	USA	5,500,000	386,417	137	18,385	299	40,146
27	Buenos Aires	Argentina	13,800,000	2,965,403	122	15,254	905	113,115
28	Sydney	Australia	4,400,000	4,255,954	102	13,933	316	43,137
29	Mexico City	Mexico	22,900,000	18,204,964	114	13,862	1,652	200,877
30	Dalian	China	3,450,000	3,245,191	93	12,803	269	37,097
31	Houston	USA	5,800,000	2,016,582	86	12,614	460	67,442
32	Doha	Qatar	370,700	339,847 ^b	78	12,254	30	4,753
33	Istanbul	Turkey	12,500,000	9,555,719	90	11,897	1,051	138,889
34	Honolulu	USA	876,156	377,379	104	11,855	74	8,425
35	San Francisco	USA	7,300,000	739,426	88	11,582	630	82,955
36	Wuhan	China	9,000,000	8,312,700	79	11,236	801	113,924
37	Busan	South Korea	3,700,000	3,662,884	64	10,556	350	57,813
38	Shenyang	China	5,150,000	4,596,785 ^c	76	10,479	491	67,763
39	Atlanta	USA	5,700,000	470,688	73	10,471	544	78,082
40	Chengdu	China	5,600,000	4,333,541	81	10,453	536	69,136
41	Los Angeles	USA	18,000,000	3,844,829	70	10,062	1,789	257,143
42	Melbourne	Australia	3,900,000	3,635,508	69	9,868	395	56,522
43	Paris	France	10,000,000	2,125,017	78	9,558	1,046	128,205
44	Qingdao	China	3,275,000	2,720,972	68	9,404	348	48,162
45	Rio de Janeiro	Brazil	12,500,000	6,136,652	73	8,867	1,410	171,233
46	Xiamen	China	1,990,000	1,454,450	66	8,584	232	30,152
47	Hangzhou	China	4,025,000	2,451,319	62	8,463	476	64,919
48	Las Vegas	USA	1,950,000	545,147	59	8,241	237	33,051
49	Dallas	USA	6,350,000	1,213,825	53	7,879	806	119,811
50	Tel Aviv	Israel	3,200,000	381,650	59	7,679	417	54,237

For an expanded version of this research please visit:
www.TallestAgglomerations.ctbuh.org

Notes

(1) Rank determined by the combined height of all tall buildings greater than or equal to 100m in height within the urban agglomeration.

(2) Urban Agglomeration is defined as a city (or group of cities) in association with surrounding suburbs that create a continuous built up area where the population is economically and culturally linked to the city (or cities). Urban Agglomeration population data taken from Thomas Brinkhoff: City Population, <http://www.citypopulation.de>

(3) City is defined as an urban area determined according to legal/political boundaries that is usually characterized by some form of local government. Population data taken from United Nations Statistics Division, 2006 Demographic Yearbook, Table 8: Population of capital cities and cities of 100 000 and more inhabitants: latest available year, 1987-2006 (Released: 29 July 2008), unless otherwise noted.

(4) Building count includes the buildings the CTBUH expects to be completed by the end of 2010.

(5) Due to a lack of publicly available building height information, in some instances building height has been estimated from the building story count. In these instances the formula:

Unknown = 3.55s + 9.75 + 2.65(s/25)
 has been utilized where:
 s = Storey Count
 H = Building Height

To see how formula was arrived at please visit www.HeightCalculator.ctbuh.org

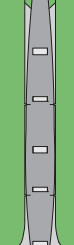
(6) Numbers relate to urban agglomeration, not city

^{a c d} City population data from <http://www.citypopulation.de>


^b City population data from Qatari Census 2004.

Region	Number of Tallest 50 Urban Agglomerations	% of Tallest 50 Urban Agglomerations
Asia	26	52%
North America	11	22%
Middle East	3	6%
South America	3	6%
Europe	3	6%
Central America	2	4%
Australia	2	4%


Credits: Marshall Gerometta, Paul Kazmierczak, Matthew Lacey, Philip Oldfield, and Antony Wood



Hong Kong has more buildings over 100m than the next 4 cities combined (New York, Tokyo, Dubai, and Shanghai).

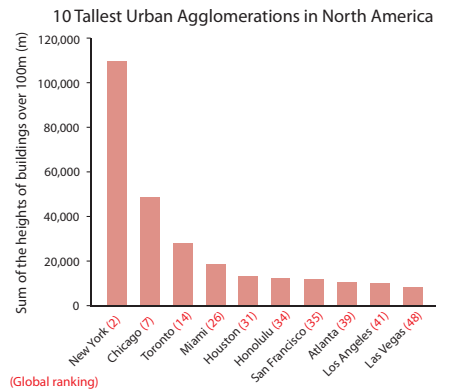
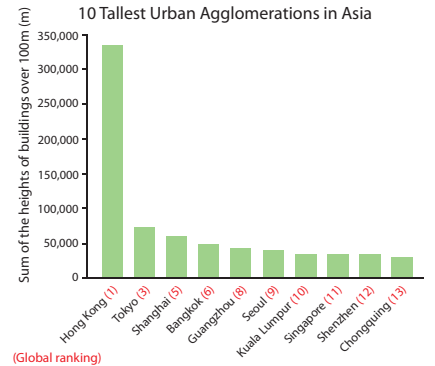
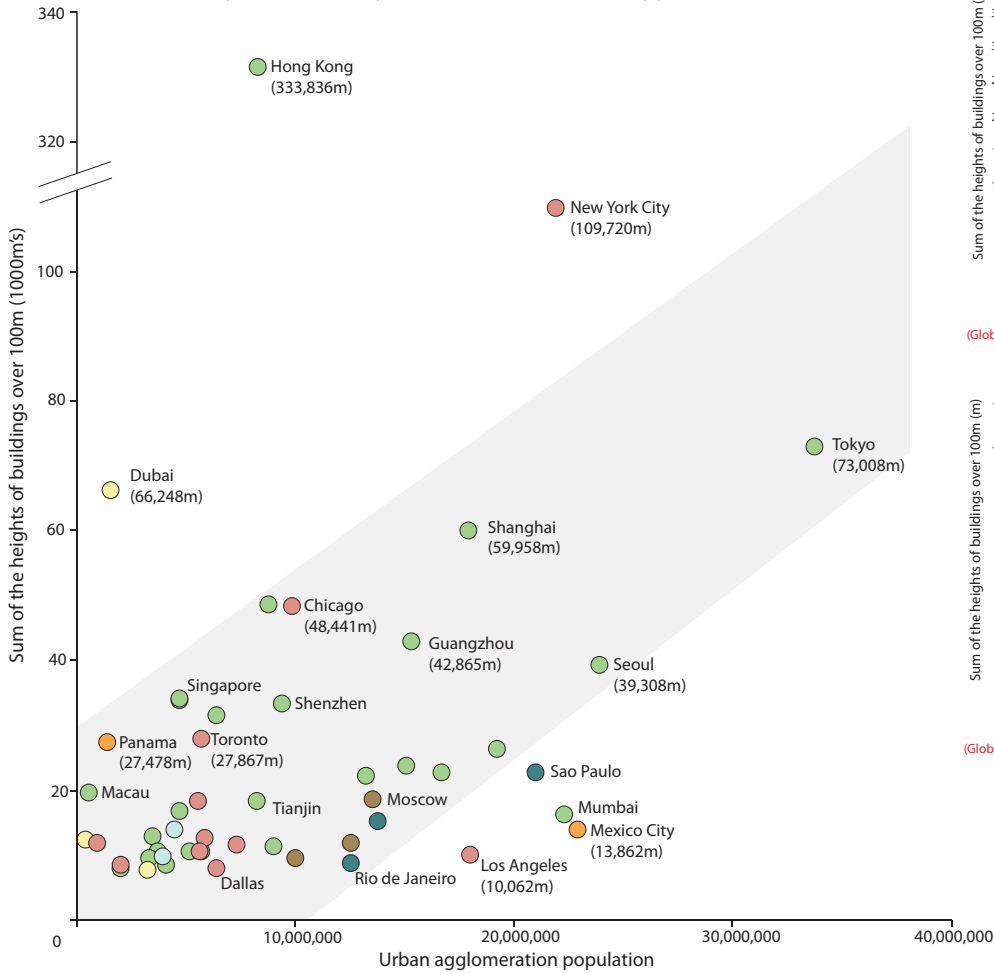


Only 3 of the 50 tallest urban agglomerations have a population less than 1 million people- Doha, Macau, and Honolulu.



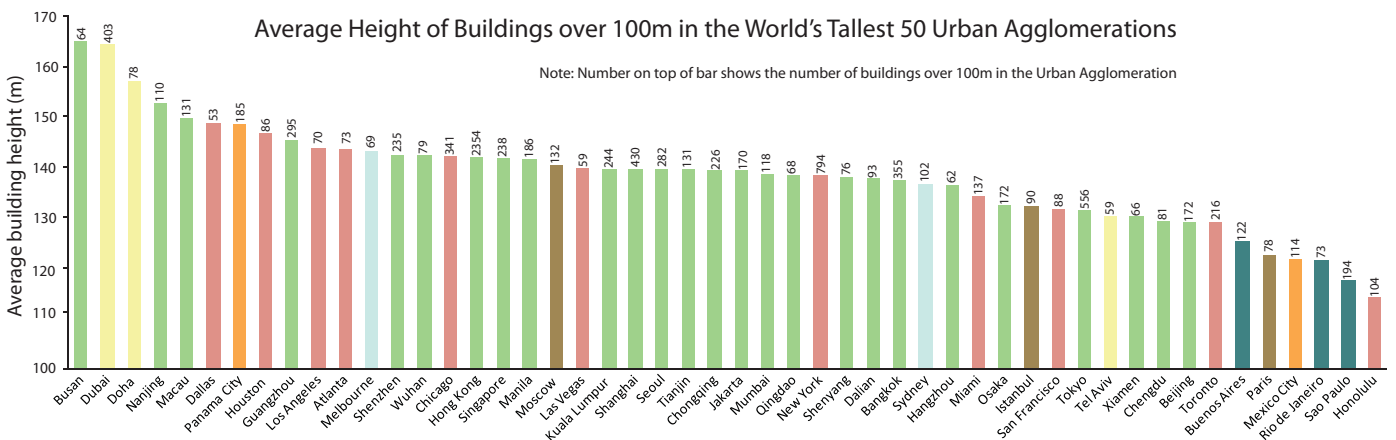
For every building over 100m in Los Angeles there are over a quarter of a million people, whereas in Hong Kong there are just over 3,000 people.

Combined Heights of Buildings over 100m vs. Urban Agglomeration Population



Note
The scatter graph to the left shows the tallest 50 urban agglomerations in terms of population, and the sum of all building heights over 100m. The grey band represents the typical range for these urban agglomerations, with 86% falling within this band.

Average Height of Buildings over 100m in the World's Tallest 50 Urban Agglomerations



Panama City is the tallest city in the Americas outside the USA/Canada, with a comparable number of tall buildings to Sao Paulo, but 6% of the population.



7 of the 10 tallest urban agglomerations in the world are located within a 2,000 mile radius of Hong Kong.



The combined heights of the buildings over 100m in the 3 tallest European cities (Moscow, Istanbul, and Paris) is less than the combined heights of buildings over 100m in Guangzhou, China