

# SHENYANG, China

		Source	Year
Population (millions)	<b>4.94</b>	<a href="http://citymayors.com/statistics/urban_2006_1.html">http://citymayors.com/statistics/urban_2006_1.html</a>	2006
Land Area (sq. km)	<b>453</b>		
GDP (\$ billions)	<b>44</b>	PriceWaterhouse Coopers	2008
Human Development Index (country)	<b>0.69</b>	<a href="http://hdrstats.undp.org/en/tables/default.html">http://hdrstats.undp.org/en/tables/default.html</a>	2011
<b>Core city</b>			
Population (millions)			
Mayor	Li Yingjie	<a href="http://citymayors.com/statistics/largest-cities-mayors-1.html">http://citymayors.com/statistics/largest-cities-mayors-1.html</a>	2011
City administrator (or equivalent)			
<b>Characteristics of the urban area</b>			
Population growth (average annual %)	1.64	UN Habitat, State of the World's Cities 2010-11	2010-2015
Population Density (per sq. km)	10905		
Climate Classification <sup>†</sup>	Continental	<a href="http://koeppen-geiger.vu-wien.ac.at/">http://koeppen-geiger.vu-wien.ac.at/</a>	
<b>Economy</b>			
GDP per capita (\$)	8907	PriceWaterhouse Coopers	2008
Real GDP growth rate (% per annum)	4.0	PriceWaterhouse Coopers	2008-2025
Income Distribution (Gini Index)	0.32	UN Habitat, State of the World's Cities 2010-11 (national value for urban areas)	
City unemployment rate (%)			
<b>Energy</b>			
Total energy consumption per capita (GJ)			
Total energy consumption per GDP (MJ/\$)			
Total electrical use per capita (kWh)	6976	Clean Air Initiative - Asia (national value for urban areas)	2010
Population with authorized electrical service (%)	100	World Development Indicators (national)	2008
<b>Emissions and pollution</b>			
GHG Emissions per capita (tCO <sub>2</sub> e/cap)	7.8	estimated based on sectoral activity and national emission factors	
GHG Emissions per GDP (ktCO <sub>2</sub> e/\$bn)	872.5	estimated based on sectoral activity and national emission factors	
PM <sub>2.5</sub> Concentration (mcg/cu.m)			
PM <sub>10</sub> Concentration (mcg/cu.m)	110	Clean Air Initiative - Asia	2009
<b>Water, sanitation and waste management</b>			
Total water consumption per capita (litres/day)			
Population with sustainable access to an improved water source (%)	98	World Development Indicators (national value for urban areas)	2008
Average water revenue (\$/cu.m. sold)			
Collection ratio (% billed water service)			
Population served by wastewater collection (%)	58	World Development Indicators (national value for urban areas)	2008
Percentage of untreated wastewater			
Solid waste generation per capita (kg)	371.3	World Bank, What a Waste 2012	
Percentage of solid waste recycled			
Population with regular solid waste collection (%)			

<b>Climate and disaster resilience</b>			
Multi-hazard risk (cyclones, floods, landslides)	Medium	UN PREVIEW Global Risk Data Platform	
Earthquake risk	Extreme	UN PREVIEW Global Risk Data Platform	
Aggregate disaster vulnerability index	(to be developed)		
Environmental Protection Index	49	<a href="http://hdrstats.undp.org/en/tables/default.html">http://hdrstats.undp.org/en/tables/default.html</a>	2011
Up-to-date Local Agenda 21 (or equivalent)?	Y/N		
Up-to-date Urban Risk Assessment?	Y/N		
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<b>Shelter</b>			
Jobs/Housing ratio			
Population living in slums (%)	31	UN Habitat, State of the World's Cities 2010-11 (national value for urban areas)	2007
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<b>Governance</b>			
Voter participation (% of eligible voters)			
Time to start a business (days)	41	World Bank, Doing Business Report Subnational Case Studies	2008
Debt service ratio (%)			
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<b>Transportation</b>			
Average commute time to work (minutes)			
High capacity public transit system (km per 100,000 population)			
Light passenger transit system (km per 100,000 population)			
Number of personal automobiles per capita			
Annual number of public transit trips per capita			
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<b>Education, technology and innovation</b>			
Education Index	0.54	London School of Economics, Cities Health and Well-Being	2011
Student/teacher ratio			
Students completing primary education (%)			
Students completing secondary education (%)			
Internet connections (per 100,000 population)			
New patents (per 100,000 per year)			
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<b>Health</b>			
Health Index	0.62	London School of Economics, Cities Health and Well-Being	2011
Average life expectancy (years)			
Under age five mortality (per 1,000 live births)			
Prevalence of HIV (in adults aged 15 to 49, %)	0.1	WHO Global Health Observatory (national value)	2009
Deaths due to malaria (per 100,000 population)	0	WHO Global Health Observatory (national value)	2008
Prevalence of tuberculosis (per 100,000 population)	108	WHO Global Health Observatory (national value)	2010
In-patient hospital beds (per 100,000 population)			
Physicians (per 100,000 population)			

**Note: Unavailable data to be provided by city or Global City Indicators Facility (GCIF), unless otherwise specified**

+ Koppen Climate Classification System