

JOHANNESBURG, South Africa

		Source	Year
Population (millions)	3.44	http://citymayors.com/statistics/urban_2006_1.html	2006
Land Area (sq. km)	1645	http://citymayors.com/statistics/largest-cities-area-125.html	
GDP (\$ billions)	110	PriceWaterhouse Coopers	2008
Human Development Index (Country)	0.62	http://hdrstats.undp.org/en/tables/default.html	2011
Core city			
Population (millions)			
Mayor	Amos Masondo	http://citymayors.com/statistics/largest-cities-mayors-1.html	2011
City administrator (or equivalent)			
Characteristics of the urban area			
Population growth (average annual %)	0.9	UN Habitat, State of the World's Cities 2010-11	2010-2015
Population Density (per sq. km)	2091		
Climate Classification ⁺	Temperate	http://koeppen-geiger.vu-wien.ac.at/	
Economy			
GDP per capita (\$)	31977	PriceWaterhouse Coopers	2008
Real GDP growth rate (% per annum)	3.9	PriceWaterhouse Coopers	2008-2025
Income Distribution (Gini Index)	0.75	UN Habitat, State of the World's Cities 2010-11	2007
City unemployment rate (%)	37	NYC Global Partners Database	2011
Energy			
Total energy consumption per capita (GJ)			
Total energy consumption per GDP (MJ/\$)			
Total electrical use per capita (kWh)	1556	Siemens Green City Index	2007
Population with authorized electrical service (%)	90	Siemens Green City Index	2010
Emissions and pollution			
GHG Emissions per capita (tCO ₂ e/cap)	13.3	estimated based on sectoral activity and national emission factors	
GHG Emissions per GDP (ktCO ₂ e/\$bn)	415.2	estimated based on sectoral activity and national emission factors	
PM _{2.5} Concentration (mcg/cu.m)			
PM ₁₀ Concentration (mcg/cu.m)	66.1	WHO Outdoor Air Pollution Database	2009
Water, sanitation and waste management			
Total water consumption per capita (litres/day)	348.7	Siemens Green City Index	2008
Population with sustainable access to an improved water source (%)	54	IBNET	2009
Average water revenue (\$/cu.m. sold)	0.91	IBNET	2009
Collection ratio (% of billed water service)	98	IBNET	IBNET
Population served by wastewater collection (%)	37	IBNET	2009
Percentage of untreated wastewater			
Solid waste generation per capita (kg)	401.3	Siemens Green City Index	2007
Percentage of solid waste recycled			
Population with regular solid waste collection (%)			

Climate and disaster resilience

Multi-hazard risk (cyclones, floods, landslides)	Low	UN PREVIEW Global Risk Data Platform	
Earthquake risk	High	UN PREVIEW Global Risk Data Platform	
Aggregate disaster vulnerability index	(to be developed)		
Environmental Protection Index (Country)	50.8	http://hdrstats.undp.org/en/tables/default.html	2011
Up-to-date Local Agenda 21 (or equivalent)?	Y/N		
Up-to-date Urban Risk Assessment?	Y/N		

Shelter

Jobs/Housing ratio			
Population living in slums (%)	28.7	UN Habitat, State of the World's Cities 2010-11 (national value for urban areas)	2007

Governance

Voter participation (% of eligible voters)			
Time required to start a business (days)	19	World Bank, Doing Business Report (national)	2012
Debt service ratio (%)			

Transportation

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	0.18	http://urban-age.net/10_cities/_data/data_UAC.html	2011
Annual number of public transit trips per capita			

Education, technology and innovation

Education Index	0.62	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)			

Health

Health Index	0.3	London School of Economics, Cities Health and Well-Being	2011
Average life expectancy (years)	59.6	http://urban-age.net/10_cities/_data/data_UAC.html	2011
Under age five mortality (per 1,000 live births)			
Prevalence of HIV (in adults aged 15 to 49, %)	17.8	WHO Global Health Observatory (national value)	2009
Deaths due to malaria (per 100,000 population)	0.2	WHO Global Health Observatory (national value)	2008
Prevalence of tuberculosis (per 100,000 population)	795	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