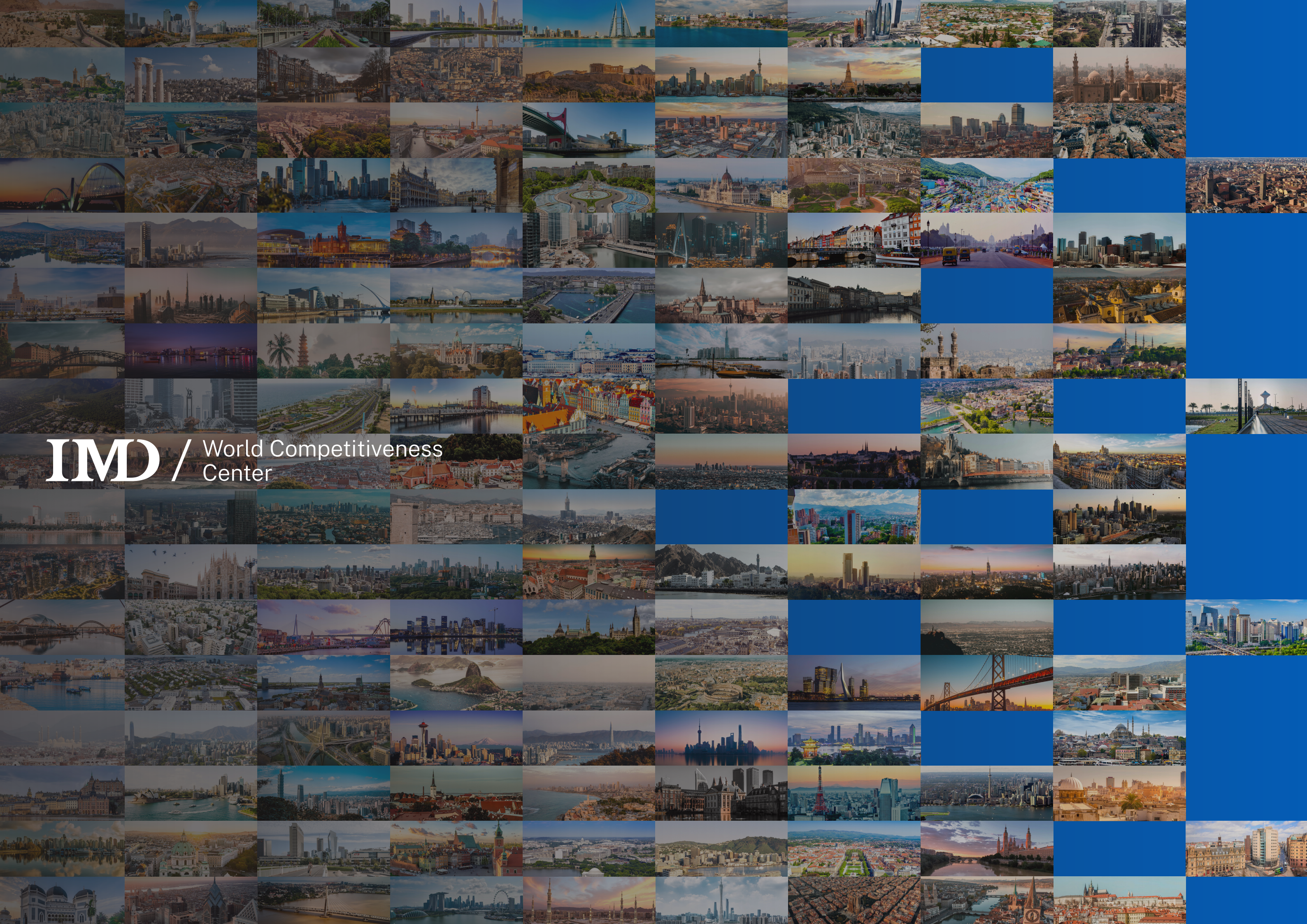


IMD Smart City Index 2025

The housing affordability challenge:
A growing concern





IMD / World Competitiveness
Center

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IMD Smart City Index 2025

The housing affordability challenge:
A growing concern

The housing affordability challenge: A growing concern

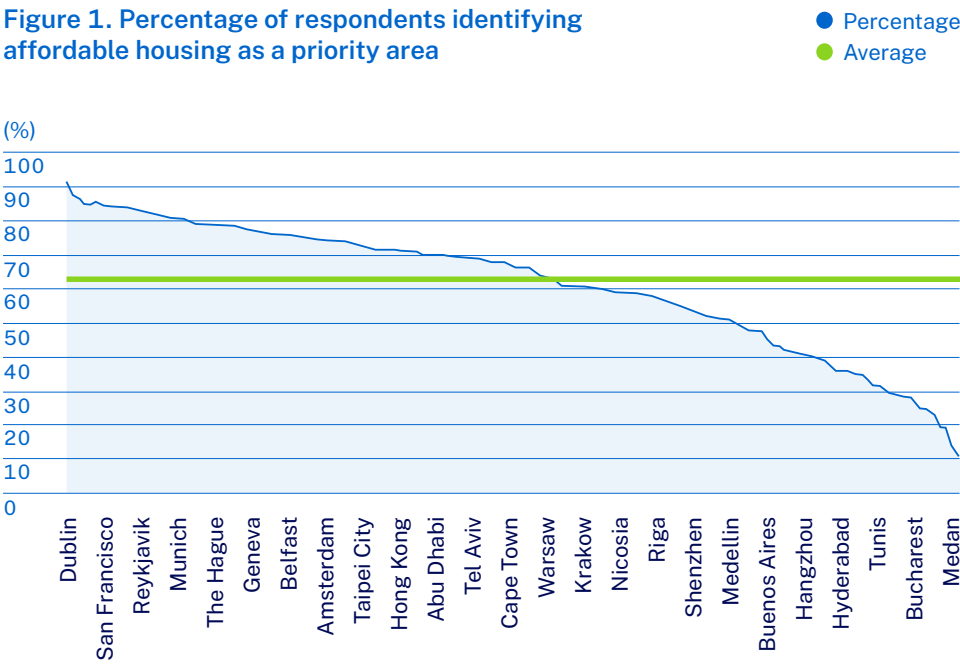
In a deglobalized world where countries seem more out for their own interests than in the recent memorable past, we remain united by the issue of affordable housing.

2025 has barely gotten underway and yet significant trade tensions, policy shifts, and weakened business and consumer confidence appear to have set the tone for the year. The aggressive trade stance adopted by the United States – which notably includes substantial tariff hikes on imports from China, Mexico, and Canada – has, as we know, triggered retaliatory measures, re-escalating trade wars. In 2018, during his first term, President Trump started increasing tariffs on goods from China -first on “only” 8% of Chinese exports but covering over 66% by early 2020.

While the extent, magnitude, and duration of current tariff increases remain uncertain, past lessons from the 2018 US-China trade war suggest that the direct participants will all experience economic losses (Caliendo and Parro, 2023), while the impact on other economies will be more difficult to predict; there may be some winners – especially in Southeast Asia where production can be more easily relocated (Fajgelbaum et al., 2024).

Inflationary pressures remain a concern, particularly in industries heavily reliant on imported materials, such as construction. Higher tariffs on steel (and potentially lumber) are expected to increase development costs, putting further stress on an already-constrained housing supply.

Making housing more affordable is the top priority for most of the respondents of the 2025 IMD Smart City Survey. In 110 out of 146 cities, affordable housing is mentioned as a priority by at least half of the respondents in the city. The issue is particularly felt in Dublin or Vancouver, where about 90% of the IMD Smart City Survey respondents expressed concern over housing affordability. Respondents in the Middle East agree: about 80% of respondents from ALUla or Dubai identify affordable housing as a priority area.



Housing has become increasingly unaffordable for many households over the past couple of years.

According to IMF data, it is currently less affordable than during the house price bubble that preceded the 2007-08 global financial crisis (Biljanovska et al., 2023). This harsh statistic is reflected in the responses in the IMD Smart City Survey: in cities as far apart geographically as Lisbon, Vancouver, Dublin, and Reykjavik some nine in 10 respondents report difficulties finding housing that costs less than a third of their income.

Conversely, in Chinese cities such as Guangzhou (a Tier 1 city) and Hangzhou and Chongqing (both new Tier 1 cities), perceptions of affordability are significantly more optimistic: just three in 10 respondents report difficulties finding housing that costs less than a third of their income. However, this finding needs to be viewed in the context of China’s ongoing real estate downturn. In 2020, China introduced measures to curb excessive leverage in real estate and de-risk the sector. Stalled projects and liquidity shortages led to defaults by major developers like Evergrande and Country Garden, further deepening the sector’s slump. Despite efforts to stabilize the market through public investments and interest rate cuts, business and consumer confidence remains low, far below pre-pandemic levels.

Rising interest rates, persistent inflation, and elevated energy costs have priced large segments of the population out of both homeownership and rental markets. A major driver of rising housing costs is the imbalance between supply and demand. Restrictive zoning laws and regulatory barriers have contributed to high housing costs in countries such as the US (Glaeser et al., 2005), the UK (Hilber and Vermuelen, 2016), and other OECD countries (Caldera and Johansson, 2013). This evidence is echoed in our data: over 70% of respondents from an American or a British city list housing as a priority area. Moreover, about eight in ten respondents in San Francisco, Denver, Seattle, Boston, Cardiff, or Glasgow report that finding housing that costs less than a third of their income is problematic. The rapid growth of urban populations and demographic shifts have further intensified demand pressures.

The affordability “crisis” as it has come to be called is no longer limited to low-income households, but it is increasingly affecting the middle classes. Brueckner and Rosenthal (2009) underscore the cyclical nature of gentrification and neighborhood evolution, highlighting how rising costs can lead to displacement and exacerbate wealth inequalities. Respondents in the IMD Smart City Survey who expressed concern about housing affordability also showed apprehension towards the availability of employment and critical services such as healthcare and education. The housing burden is, in addition, constraining labor mobility, leading to a misallocation of workers with potentially severe effects on economic growth (Glaeser and Gyourko, 2018). Cities like New York and San Francisco have adopted stringent regulations for new housing, de facto making housing affordable only to high-productivity workers able to command higher wages (Hsieh and Moretti, 2019).

The recent surge in immigration has sparked a debate about the role of immigrants on housing costs.

The argument is that when housing supply is constrained (for example, because of stringent regulations), the additional demand for housing by migrants would fuel housing prices. Empirical evidence supports this conjecture: a 1% increase in international immigration translates into a 1% hike in (flat) rental prices (Card, 2007 for the US; Unal et al., 2024 for Germany). The effect is larger when focusing on high-skilled immigrants (Ottaviano and Peri, 2012): US states with a higher share of high (rather than low)-skilled migrants witness larger rent increases.

Seeing these results through the lenses of our sample would imply that in talent-importing cities, such as Zurich, Geneva, and Dubai, the inflow of foreign professionals has contributed to rising rental costs and housing shortages. In Dubai, over 40% of the value of all residential property is held by foreign nationals, thanks to a 20% increase between 2020 and 2022 in foreign-owned residential real estate. Conversely, in talent-exporting cities, such as Mumbai, the outflows of skilled workers ease the pressure on the real estate market. Half of Mumbai’s respondents find affordable housing problematic – a relatively low share compared to other cities. Supply-side constraints and investment-driven speculations may still pose challenges to housing affordability.

The COVID-19 pandemic initially caused a sharp decline in downtown residential prices due to increased teleworking and underutilized commercial spaces, but it was short-lived (Duranton and Handbury, 2023). However, suburban housing prices surged, which led to a lasting “doughnut effect”, where suburbs became preferred over downtown areas by both people and businesses (Ramani and Bloom, 2024). These shifts have further reshaped urban housing demand and affordability dynamics.



Housing affordability is closely tied to transportation infrastructure. Expanding access to affordable housing can be achieved by increasing housing density and improving public transport networks.

Take London and Brussels, two cities where congestion costs commuters over 110 hours per year (TomTom Traffic Index, 2024), and, unsurprisingly, traffic congestion is perceived as problematic by at least three in four respondents in Brussels or London (IMD Smart City Survey). These citizens lament inadequate public transportation - about two in five respondents in Brussels and one in three in London - and deem bike-hiring or car-sharing as rather ineffective tools to reduce congestion - only about half of respondents find these tools useful, and a similar share of respondents agrees that apps that direct drivers to an available parking space have reduced journey times.

City governments play a crucial role in addressing housing challenges through urban planning and transportation policies. The OECD emphasizes the importance of leveraging local policy tools to enhance housing accessibility and affordability. For instance, investments in efficient public transport can expand viable residential areas, connecting lower-cost suburban regions with urban job markets (Ewing and Cervero, 2010). Additionally, streamlining permitting processes and promoting high-density development could help mitigate supply shortages.

The availability of funding – both public and private – plays a crucial role in housing affordability.

Some governments, particularly in the Middle East, have adopted aggressive strategies to increase supply through massive real estate investments.

As part of UAE Vision 2030, significant efforts were made to diversify the economy and prop up the real estate sector. Large-scale residential investments were facilitated by government-backed initiatives and partnerships with private developers. Dubai's housing boom is driven by favorable taxation and ownership regimes, as well as extensive urban planning

efforts. Some of these elements, such as incentives for foreign investors, are also behind the expansion of the real estate sector in Manama, a new entrant in the Smart City Index ranking.

For cities struggling with affordability, significant dividends could come from leveraging both public and private capital to develop high-density and support transit-oriented housing.

Climate change adds another layer of complexity to the housing crisis

In the US, homeowners insurance premiums have increased by 13%, in real terms, between 2020 and 2023 (Boomhower et al., 2024). Some insurance companies are no longer offering writing policies in some areas. Climate change is raising insurance premia, as the increased frequency and intensity of natural disasters have led to higher insurance losses.

Rising sea levels, extreme weather events, and natural disasters influence also housing location choices and long-term sustainability. Government interventions, such as constructing sea walls or flood defenses, may unintentionally encourage development in high-risk areas (Hsiao, 2023). Increasing transparency over climate-related risks can shape buyer behavior and help prevent undesirable outcomes. Fairweather et al. (2024) find that when homebuyers have access to flood risk data, they tend to favor safer locations and adjust their willingness to pay accordingly. Policies that enhance the acquisition and diffusion of reliable and accessible data can thus pay large dividends.

In China, research by Zhang et al. (2016) suggests that simply providing buyers with an information card detailing the benefits of green buildings significantly increases their willingness to invest in sustainable housing. This finding underscores the potential of targeted information campaigns to drive environmentally responsible development without excessive costs.

Addressing the housing crisis requires a multipronged approach that integrates regulatory reforms, economic policy adjustments, and innovative urban planning.

Combining infrastructure investments, incentives, and institutional frameworks will help build a more resilient and inclusive housing market (Ashraf, Glaeser, and Ponzetto, 2016). Implementing such a broad range of interventions can be challenging for advanced economies and even more so for emerging markets given their often-limited implementation capacity. However, confronting the crisis by tackling supply constraints, fostering affordability, and incorporating sustainability into housing policies can create more livable and more inclusive urban environments, delivering positive economic dividends at the same time.





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Six new cities

– AlUla, Astana (formerly Nur Sultan), Caracas, Kuwait City, Manama, and San Juan – were added to the 2025 Smart City Index (SCI), bringing the total number surveyed from 142 in 2024 to 146 in 2025. Due to a lack of sufficient data, Tianjin and Zhuhai were excluded from the sample considered.



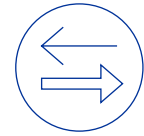
The methodology remains consistent over time.

The ranking assesses how urban technologies and infrastructure perform in five key areas – health and safety, mobility, activities, opportunities, and governance. To ensure accuracy and mitigate the influence of potential outliers, we employ a three-year moving average of residents’ perceptions along the different issues considered.



The SCI is based on the survey responses of residents from a heterogeneous group of cities.

To enable comparability across similar environments, responses are calibrated to the local context by incorporating the city-level Subnational Human Development Index (SHDI) from the Global Data Lab.



Once again, the rankings remain stable with minimal shifts among the top 20 cities.

The only changes here relative to last year concern Taipei City, which slid from 16th in 2024 to 23rd in 2025, and Ljubljana which jumped from 32nd to 16th.



Zurich holds onto the top spot for another year, continuing the existing trend of strong performances

by Swiss cities across all dimensions the SCI evaluates. Middle Eastern cities such as Dubai and Abu Dhabi rose in the 2025 ranking from 12th and 10th position to fourth and fifth, respectively.

The top 20 cities

1	Zurich	11	Helsinki
2	Oslo	12	Prague
3	Geneva	13	Seoul
4	Dubai	14	Beijing
5	Abu Dhabi	15	Shanghai
6	London	16	Ljubljana
7	Copenhagen	17	Amsterdam
8	Canberra	18	Stockholm
9	Singapore	19	Hong Kong
10	Lausanne	20	Hamburg

The IMD World Competitiveness Center

For over thirty years, the IMD World Competitiveness Center has pioneered research on how countries and companies compete to lay the foundations for sustainable value creation. The competitiveness of nations is probably one of the most significant developments in modern management and IMD is committed to leading the field.

The IMD World Competitiveness Center Team

Professor Arturo Bris
Director
Christos Cabolis
Chief Economist & Head of Operations
José Caballero
Senior Economist
Fabian Grimm
Research Specialist
Odete Madureira
WCC Coordinator
William Milner
Associate Director
Francesca de Nicola
Senior Economist
Chinar Sharma
Projects Analyst
Alice Tozer
Content Manager

IMD Smart City Index 2025

User guide

How to read a profile

SMART CITY RANKING

17

Out of 146

▲

18 in 2024

Out of 142

SMART CITY RATING

A

A in 2024

FACTOR RATINGS

AA

STRUCTURES

AA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

Smart City Ranking

Smart City Ranking: The Ranking position of the city amongst the 146 cities measured, based upon the Rating and its components.

Group: Each city is assigned to one of four groups, based upon its HDI values.

Smart City Rating and Factor Ratings: The Ratings for each city are calculated from the city’s performance relative to the other cities within the group.

The Methodology section provides the exact procedure for these calculations.


The 2024 Ranking and Rating are also shown for the 142 cities included in the last edition’s index.

BACKGROUND INFORMATION

City

Population1,180,000
(UN World Urbanization Prospects)

HDI0.964
(Global Data Lab)



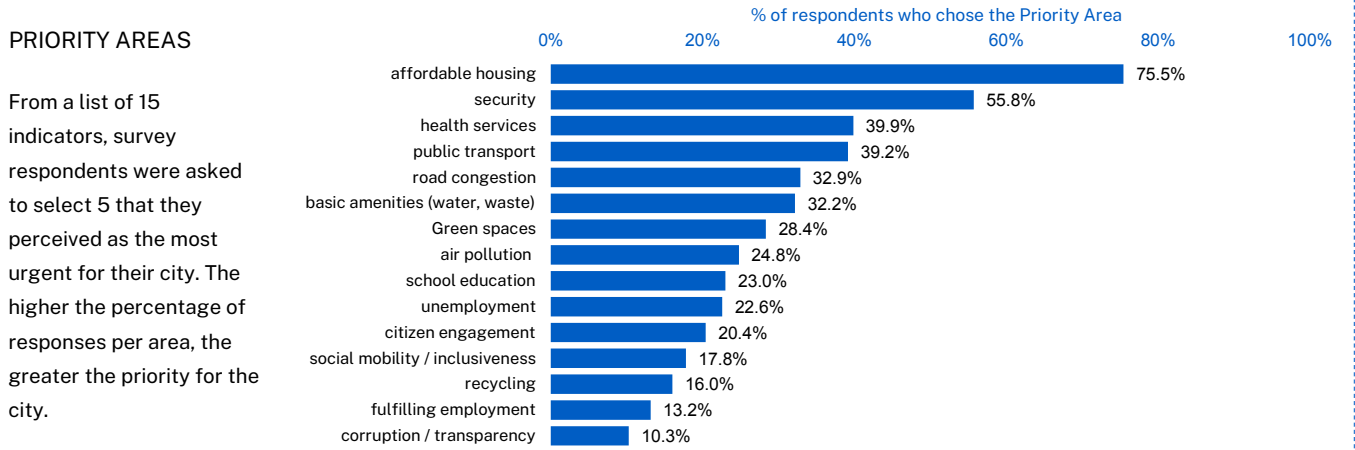
Country

Netherlands

	2019	2020	2021	2022	1 yr change
HDI	0.932	0.933	0.936	0.939	+0.003
Life expectancy at birth	82.0	81.6	81.7	82.5	+0.8
Expected years of schooling	18.4	18.4	18.6	18.6	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP \$)	55,628	52,500	55,355	57,278	+1,923

Priority Areas

Summarizes the areas that the respondents perceive as the priority area for their city. From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The total bar indicates the percentage of the respondents that included a given area as one of their five choices. The higher the percentage of responses per area, the greater the priority for the city.



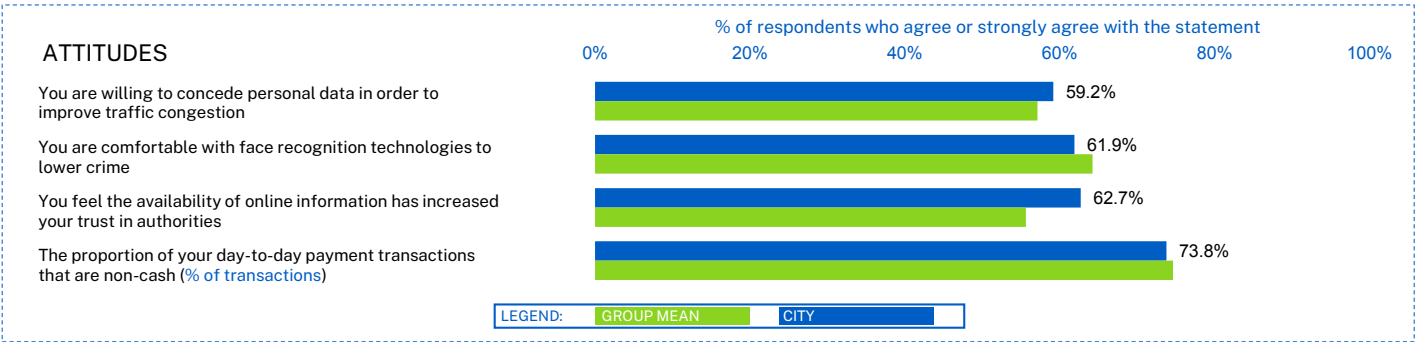
Background Information

This section presents the Human Development Index (HDI) at the city level taken from the Global Data Lab, and the population of the city as defined through the United Nations World Urbanization Prospects for the majority of cities, or Eurostat for some of European cities.

It also presents the United Nations HDI (country-level - for the parent economy of a given city) and its four components, as well as the city’s position on the map. Please note: for Taipei City only, the data is calculated using the same methodology and comparable data.

Attitudes

Shows and compares the responses to three key privacy aspects (willingness to concede personal data, comfort vis-à-vis face recognition, and whether online information has increased trust in authorities) and the percentage of day-to-day transactions that are non-cash. The city is represented by the blue bar, while the group average is shown by the green bar.



Structures and Technologies

Key survey data collected on Structures (left side) and Technologies (right side), under five key areas: health and safety, mobility, activities, opportunities, and governance.

Each indicator presents the Score for the city and a comparison with its Group (1-4). Showing the Group's Minimum, Mean, and Maximum Scores (green bar) alongside with the city (blue circle) allows a clear comparison of the city's performance in this indicator. The Methodology section provides the exact calculation of the Score.

This table can be read in two ways: down to examine all Structures or Technologies indicators, or across to examine a key area in both Structures and Technologies.



Methodology

- 1

The IMD Smart City Index 2025 assesses the perceptions of residents on issues related to structures and technology applications available to them in their city.
- 2

This edition of the SCI ranks 146 cities worldwide by capturing the perceptions of 120 residents in each city. The final score for each city is computed by using the perceptions of the last three years of the survey, with the weight of 3 : 2 : 1 for 2025 : 2024 : 2023.
- 3

There are two pillars for which perceptions from residents are solicited: The Structures pillar referring to the existing infrastructure of the cities, and the Technology pillar describing the technological provisions and services available to the inhabitants.
- 4

Each pillar is evaluated over five key areas: health and safety, mobility, activities, opportunities, and governance.

- 5

The cities are distributed into four groups based on the Global Data Lab's Subnational Human Development Index (SHDI) score of the city they are part of.

Within each SHDI group, cities are assigned a 'rating scale' (AAA to D) based on the perceptions-score of a given city compared to the scores of all other cities within the same group.

For group 1 (highest SHDI quartile), scale

AAA-AA-A-BBB-BB

For group 2 (second SHDI quartile), scale

A-BBB-BB-B-CCC

For group 3 (third SHDI quartile), scale

BB-B-CCC-CC-C

For group 4 (lowest SHDI quartile), scale

CCC-CC-C-D
- 7

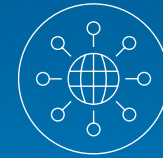
Rankings are then presented in two formats:

 - an overall ranking (1 to 146)
 - a rating for each pillar and overall

Sources



The SCI is derived from survey responses collected from residents of participating cities. To **encourage the comparability of results across diverse global contexts**, these responses are calibrated using the region-level Subnational Human Development Index (SHDI), provided by the Global Data Lab.



In addition, **data on city population is included for context**, although it is not factored into the rankings or ratings. Population figures are sourced from the UN's World Urbanization Prospects, Eurostat, or, when necessary, the respective national census authority.



IMD Smart City Index 2025

Results

IMD Smart City Index 2025: Results

In 2025 city ranking order and 2024 comparison

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Zurich	1	AAA	AAA	AAA	1	—
Oslo	2	AAA	AAA	AAA	2	—
Geneva	3	AAA	AAA	AAA	4	▲1
Dubai	4	A	A	A	12	▲8
Abu Dhabi	5	A	A	A	10	▲5
London	6	AA	AAA	AAA	8	▲2
Copenhagen	7	AAA	AAA	AA	6	▼1
Canberra	8	AAA	AAA	A	3	▼5
Singapore	9	AAA	AAA	AAA	5	▼4
Lausanne	10	AAA	AA	AA	7	▼3
Helsinki	11	AA	AA	AA	9	▼2
Prague	12	AA	AA	AA	15	▲3
Seoul	13	BBB	AA	AAA	17	▲4
Beijing	14	BB	BB	BB	13	▼1
Shanghai	15	BB	BB	BB	19	▲4
Ljubljana	16	AA	AA	AA	32	▲16
Amsterdam	17	A	AA	AA	18	▲1
Stockholm	18	AA	AA	A	11	▼7
Hong Kong	19	BBB	A	AAA	20	▲1
Hamburg	20	AA	A	BBB	14	▼6
Reykjavik	21	AA	A	A	26	▲5
Tallinn	22	A	A	A	24	▲2
Taipei City	23	A	A	A	16	▼7
Munich	24	A	A	A	21	▼3
Auckland	25	A	A	AA	31	▲6

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Vienna	26	A	A	A	23	▼3
Riyadh	27	BB	BB	BB	25	▼2
Warsaw	28	BBB	A	A	38	▲10
Bilbao	29	A	A	BBB	29	—
Wellington	30	A	A	BB	28	▼2
Luxembourg	31	A	A	BBB	27	▼4
Sydney	32	A	A	A	22	▼10
Doha	33	BB	BB	BB	48	▲15
Vilnius	34	BBB	A	A	47	▲13
Boston	35	A	BBB	BBB	36	▲1
Manama	36	BB	BB	BB		NEW
Berlin	37	A	BBB	BBB	37	—
Madrid	38	BB	BBB	A	35	▼3
Mecca	39	BB	BB	BB	52	▲13
Gothenburg	40	BBB	BBB	BB	39	▼1
Rotterdam	41	BB	BBB	BBB	41	—
Ottawa	42	A	BBB	B	46	▲4
The Hague	43	BBB	BBB	BBB	42	▼1
Melbourne	44	BBB	BBB	BB	33	▼11
Dusseldorf	45	BBB	BBB	BB	44	▼1
Riga	46	BBB	BBB	BBB	59	▲13
Jeddah	47	B	BB	BB	55	▲8
Brussels	48	BB	BBB	A	40	▼8
New York	49	BB	BBB	BBB	34	▼15
Shenzhen	50	CCC	CCC	CCC	60	▲10

IMD Smart City Index 2025: Results

In 2025 city ranking order and 2024 comparison

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Brisbane	51	BBB	BBB	BB	30	▼21
Zaragoza	52	BBB	BBB	BBB	57	▲5
Vancouver	53	BBB	BB	BB	43	▼10
Hangzhou	54	CCC	CCC	CCC	64	▲10
Guangzhou	55	CCC	CCC	CCC	65	▲10
Seattle	56	BBB	BB	BB	63	▲7
Bratislava	57	BB	BB	BBB	56	▼1
Nanjing	58	B	B	B	62	▲4
Hanover	59	A	BBB	B	53	▼6
Busan	60	B	BB	A	45	▼15
Al-Khobar	61	B	B	B	99	▲38
Washington D.C.	62	BB	BB	BB	50	▼12
Toronto	63	BBB	BB	BB	51	▼12
Manchester	64	BB	BB	BBB	71	▲7
Kuala Lumpur	65	B	B	B	73	▲8
Dublin	66	BB	BB	BBB	69	▲3
Medina	67	CCC	B	B	74	▲7
Denver	68	BB	BB	BB	66	▼2
Chongqing	69	CCC	CCC	CCC	82	▲13
Krakov	70	B	B	B	76	▲6
Paris	71	BB	BB	A	49	▼22
Leeds	72	BB	BB	B	72	—
Lyon	73	B	BB	BB	61	▼12
Kiel	74	BBB	BB	CCC	79	▲5
Newcastle	75	BB	B	CCC	77	▲2

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Chengdu	76	CCC	CCC	CCC	93	▲17
Bordeaux	77	B	B	CCC	70	▼7
Bucharest	78	CCC	BB	BBB	100	▲22
Chicago	79	B	BB	BB	67	▼12
Birmingham	80	B	B	B	83	▲3
Montreal	81	BB	B	CCC	80	▼1
San Francisco	82	BB	B	B	75	▼7
Bologna	83	BB	B	B	78	▼5
Budapest	84	CCC	B	BBB	89	▲5
Zagreb	85	B	B	B	102	▲17
Bangkok	86	CC	CCC	B	84	▼2
Muscat	87	CCC	CCC	CCC	88	▲1
Hanoi	88	CCC	CCC	CCC	97	▲9
Cardiff	89	B	CCC	CC	92	▲3
Kuwait City	90	CCC	CCC	B		NEW
Los Angeles	91	B	B	BB	68	▼23
Barcelona	92	CCC	B	BB	81	▼11
Lille	93	CCC	CCC	CCC	85	▼8
Belfast	94	CCC	CCC	CC	101	▲7
Glasgow	95	B	CCC	CCC	87	▼8
Tel Aviv	96	B	CCC	B	94	▼2
Milan	97	CCC	CCC	BB	91	▼6
Ankara	98	CCC	CCC	CCC	96	▼2
Osaka	99	BB	CCC	CCC	95	▼4
Philadelphia	100	CCC	CCC	CCC	90	▼10

IMD Smart City Index 2025: Results

In 2025 city ranking order and 2024 comparison

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Ho Chi Minh City	101	CCC	CCC	CC	105	▲4
Astana	102	CC	CC	CCC		NEW
Jakarta	103	CC	CCC	CCC	103	—
Delhi	104	CC	CC	CCC	106	▲2
Phoenix	105	CCC	CC	C	98	▼7
Mumbai	106	CC	CC	CC	107	▲1
Marseille	107	CCC	CCC	CCC	104	▼3
Tokyo	108	BB	BB	BB	86	▼22
Hyderabad	109	CCC	CC	CC	111	▲2
Bengaluru	110	CC	CC	CC	109	▼1
Istanbul	111	C	CC	CCC	110	▼1
AlUla	112	CC	CC	CC		NEW
Medan	113	CC	CC	CC	112	▼1
Makassar	114	CC	CC	CC	115	▲1
Lisbon	115	CC	CC	CC	108	▼7
Islamabad	116	CC	CC	CC	116	—
Cairo	117	C	CC	CC	114	▼3
Medellin	118	CC	CC	CC	119	▲1
Mexico City	119	C	CC	CC	122	▲3
Santiago	120	C	CC	CC	117	▼3
Sofia	121	CC	C	CC	113	▼8
Nicosia	122	CC	C	C	118	▼4
Rabat	123	CC	C	C	126	▲3

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Cape Town	124	C	C	C	129	▲5
Manila	125	C	C	C	121	▼4
San José	126	CC	C	C	125	▼1
Amman	127	C	C	C	128	▲1
Algiers	128	C	C	C	124	▼4
Athens	129	CCC	CCC	CCC	120	▼9
Brasilia	130	C	C	C	130	—
Buenos Aires	131	C	C	C	123	▼8
San Juan	132	C	C	C		NEW
Abuja	133	C	C	D	135	▲2
Bogota	134	C	C	C	127	▼7
Lagos	135	C	C	D	136	▲1
Nairobi	136	D	D	C	131	▼5
Sao Paulo	137	D	D	C	132	▼5
Lima	138	C	C	C	134	▼4
Rome	139	CCC	CCC	CCC	133	▼6
Caracas	140	D	D	D		NEW
Accra	141	D	D	D	138	▼3
Tunis	142	D	D	D	137	▼5
Beirut	143	D	D	D	140	▼3
Guatemala City	144	D	D	D	142	▼2
Sana'a	145	D	D	D	141	▼4
Rio de Janeiro	146	D	D	D	139	▼7

IMD Smart City Index 2025

City profiles

Abu Dhabi

SMART CITY RANKING

5

Out of 146



10 in 2024
Out of 142

SMART CITY RATING

A

BB in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,590,000
(UN World Urbanization Prospects)

HDI 0.937
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

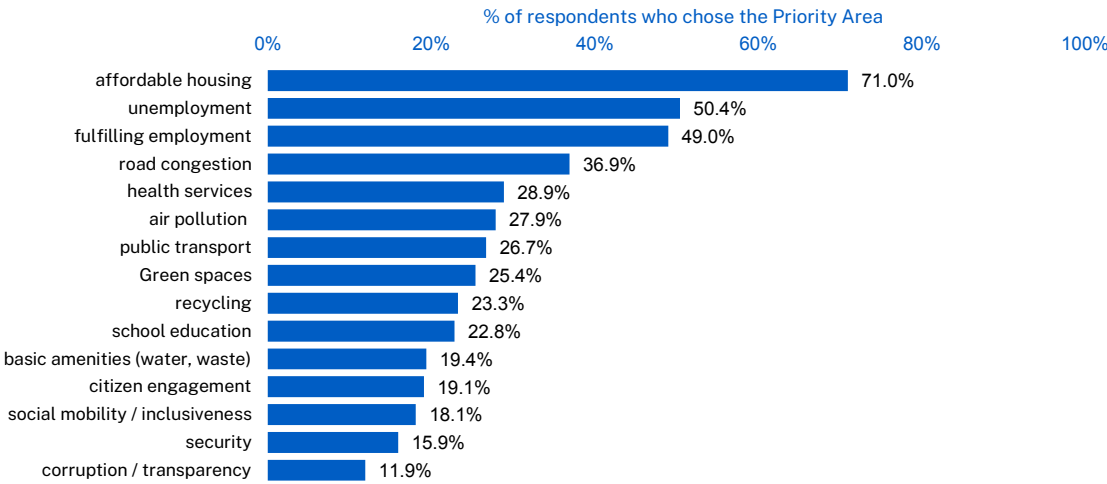
Country

United Arab Emirates

	2019	2020	2021	2022	1 yr change
HDI	0.860	0.866	0.898	0.917	+0.019
Life expectancy at birth	79.7	78.9	78.7	79.2	+0.5
Expected years of schooling	16.8	17.2	17.2	17.2	+0.0
Mean years of schooling	12.7	12.7	12.8	12.8	+0.0
GNI per capita (PPP \$)	72,131	67,353	69,550	74,104	+4,553

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



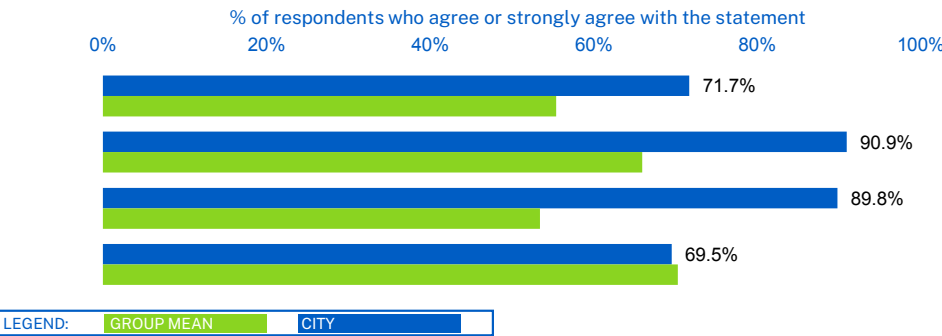
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

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Health & Safety

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A website or App allows residents to easily give away unwanted items

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Car-sharing Apps have reduced congestion

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Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

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Opportunities (Work & School)

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IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Abuja

SMART CITY RANKING

133

Out of 146



135 in 2024
Out of 142

SMART CITY RATING

C

D in 2024

FACTOR RATINGS

C

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 4,030,000
(UN World Urbanization Prospects)

HDI 0.678
(Global Data Lab)



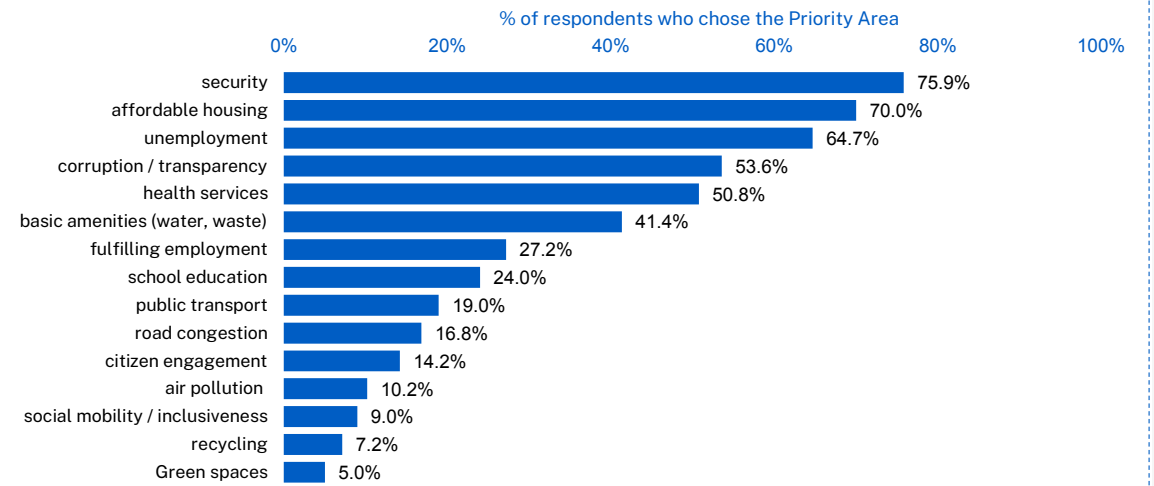
Country

Nigeria

	2019	2020	2021	2022	1 yr change
HDI	0.520	0.526	0.528	0.530	+0.002
Life expectancy at birth	52.9	52.9	52.7	53.6	+1.0
Expected years of schooling	10.1	10.3	10.5	10.5	+0.0
Mean years of schooling	7.2	7.4	7.6	7.6	+0.0
GNI per capita (PPP \$)	4,914	4,685	4,716	4,755	+39

PRIORITY AREAS

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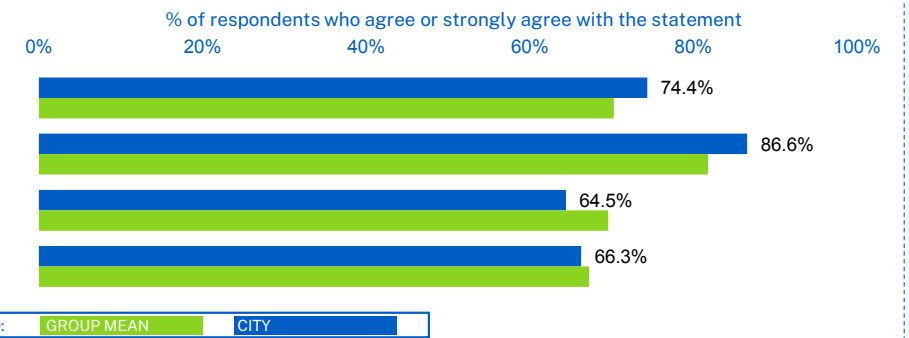
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STRUCTURES

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Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

52.3

52.3

39.0

37.1

52.6

24.2

44.3

52.7

63.7

71.5

45.2

53.5

47.4

68.9

52.9

48.3

19.7

32.8

41.1

TECHNOLOGIES

Health & Safety

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Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

48.5

41.9

37.8

52.7

31.3

58.6

58.9

46.4

32.7

62.5

48.2

71.1

67.5

57.4

58.4

63.6

30.8

33.7

41.9

64.7

Accra

SMART CITY RANKING

141

Out of 146



138 in 2024
Out of 142

SMART CITY RATING

D

D in 2024

FACTOR RATINGS

D

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,720,000
(UN World Urbanization Prospects)

HDI 0.670
(Global Data Lab)



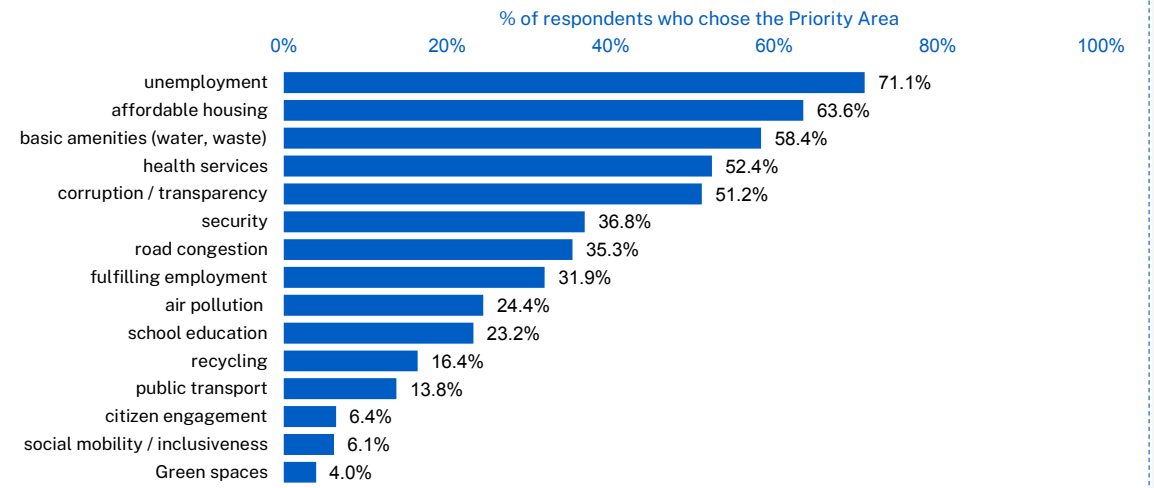
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country Ghana

	2019	2020	2021	2022	1 yr change
HDI	0.586	0.586	0.585	0.589	+0.004
Life expectancy at birth	64.7	64.1	63.8	63.9	+0.1
Expected years of schooling	11.3	11.4	11.6	11.6	+0.0
Mean years of schooling	6.3	6.4	6.4	6.4	+0.0
GNI per capita (PPP \$)	5,121	5,305	5,279	5,380	+102

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



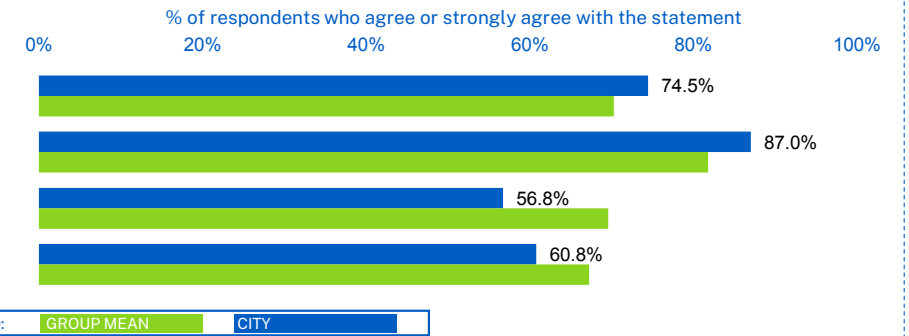
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STRUCTURES

Score

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Minorities feel welcome

Governance

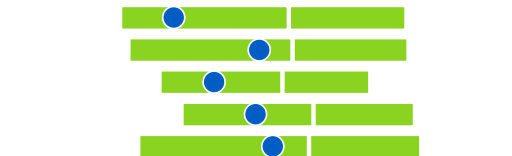
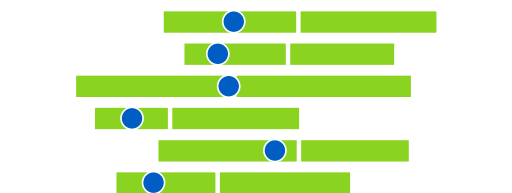
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Residents contribute to decision making of local government

Residents provide feedback on local government projects

0 20 40 60 80 100



LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

Health & Safety

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Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

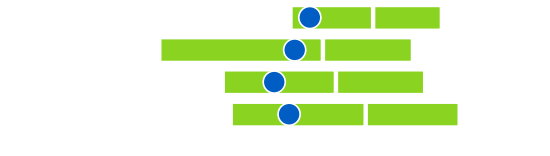
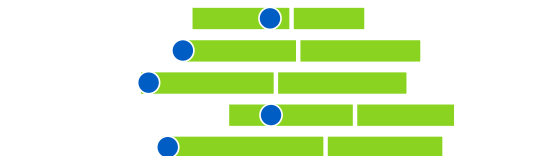
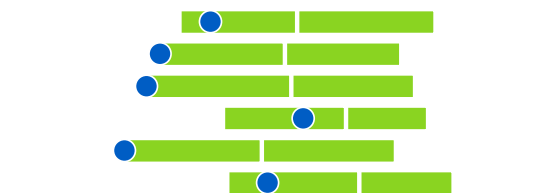
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0 20 40 60 80 100



Al-Khobar

SMART CITY RANKING

61

Out of 146



99 in 2024
Out of 142

SMART CITY RATING

B

CCC in 2024

FACTOR RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 410,000
(Census)

HDI 0.862
(Global Data Lab)



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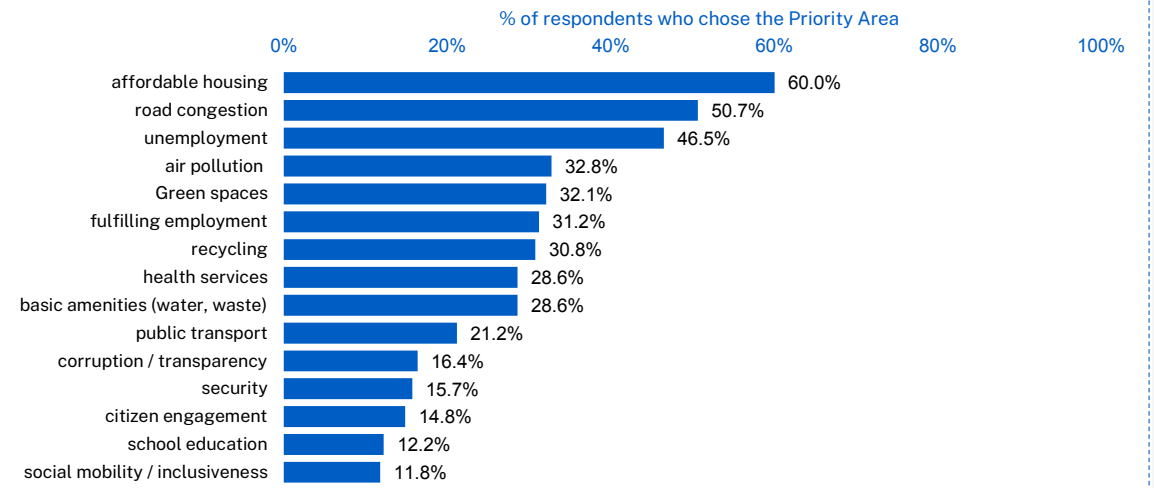
Country

Saudi Arabia

	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP \$)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

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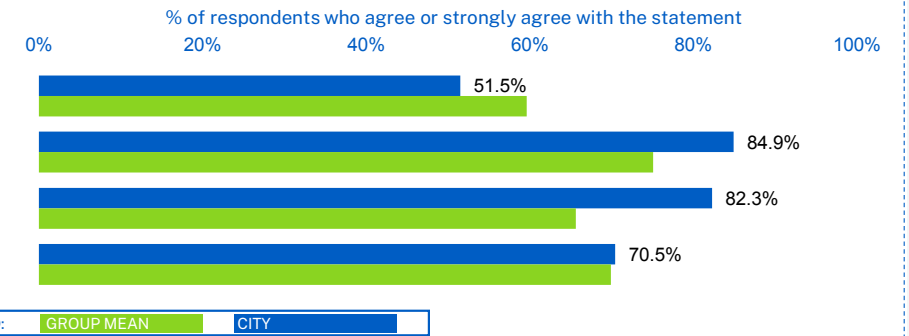
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Minorities feel welcome

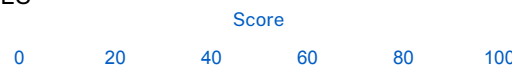
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



78.8

66.7

52.9

35.5

84.0

53.6

37.1

60.4

69.5

72.7

56.3

78.8

72.7

63.3

74.2

81.9

49.4

58.6

64.5

TECHNOLOGIES

Health & Safety

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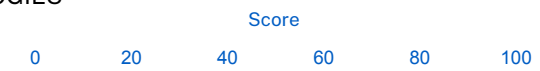
Governance

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73.6

69.4

58.9

72.1

56.1

85.5

58.8

65.7

45.4

68.8

65.0

78.8

69.5

70.3

71.8

74.5

66.2

67.2

66.7

82.6

Algiers

SMART CITY RANKING

128

Out of 146



124 in 2024
Out of 142

SMART CITY RATING

C

C in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

4

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 2,950,000
(UN World Urbanization Prospects)

HDI 0.766
(Global Data Lab)



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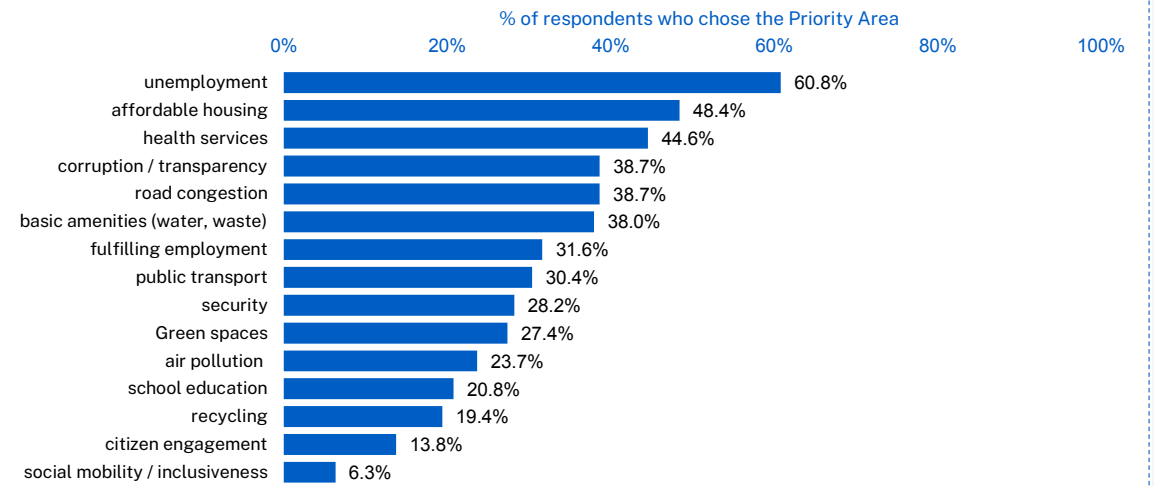
Country

Algeria

	2019	2020	2021	2022	1 yr change
HDI	0.736	0.738	0.738	0.740	+0.002
Life expectancy at birth	76.5	74.5	76.4	77.1	+0.8
Expected years of schooling	15.2	15.3	15.4	15.5	+0.1
Mean years of schooling	7.0	7.0	7.0	7.0	+0.0
GNI per capita (PPP \$)	11,354	10,635	10,823	10,978	+155

PRIORITY AREAS

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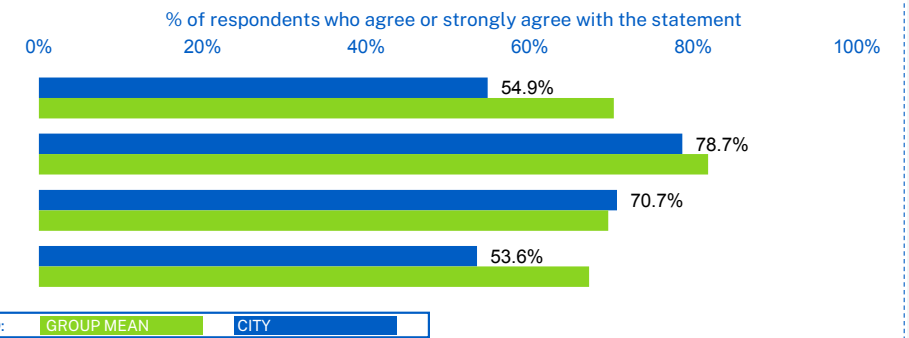
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SMART CITY RANKING

112

Out of 146

not in 2024

SMART CITY RATING

CC

not in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 60,000
(Census)

HDI 0.871
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

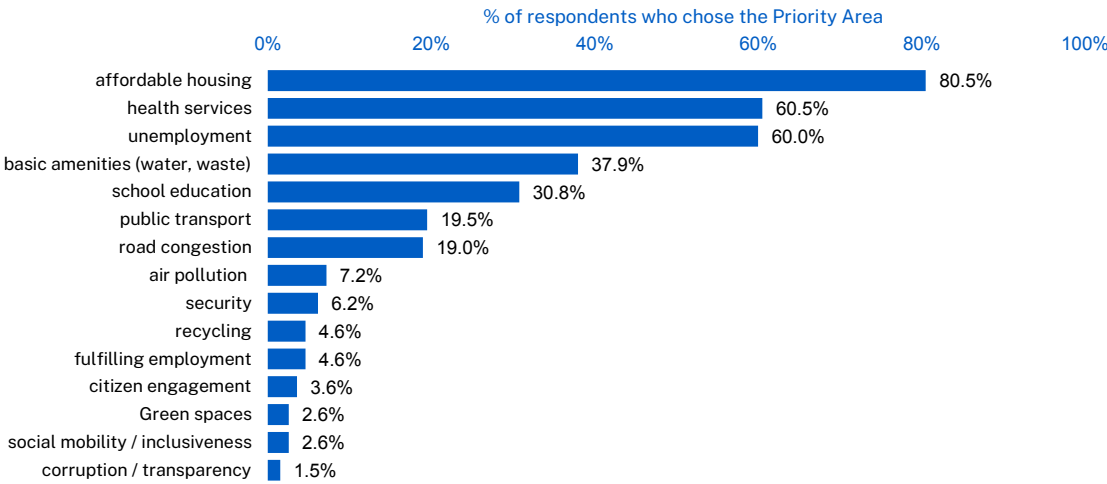
Country

Saudi Arabia

	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP \$)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



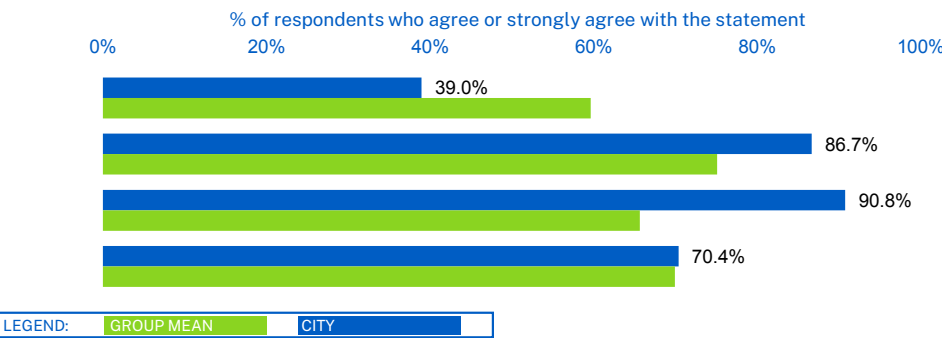
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES



Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

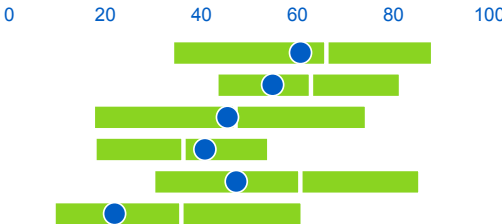
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

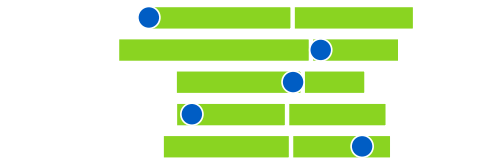
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



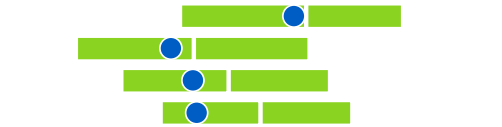
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

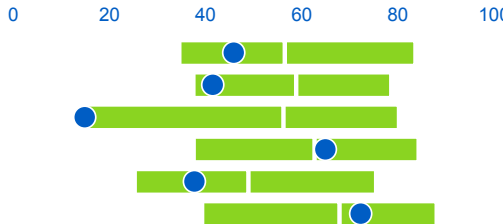
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

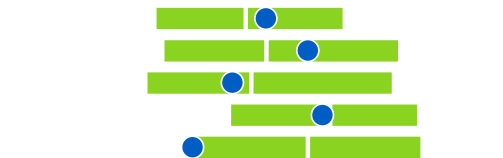
Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

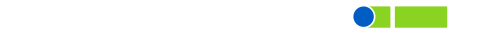
Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Amman

SMART CITY RANKING

127

Out of 146



128 in 2024
Out of 142

SMART CITY RATING

C

D in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 4,010,000
(UN Data)

HDI 0.753
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

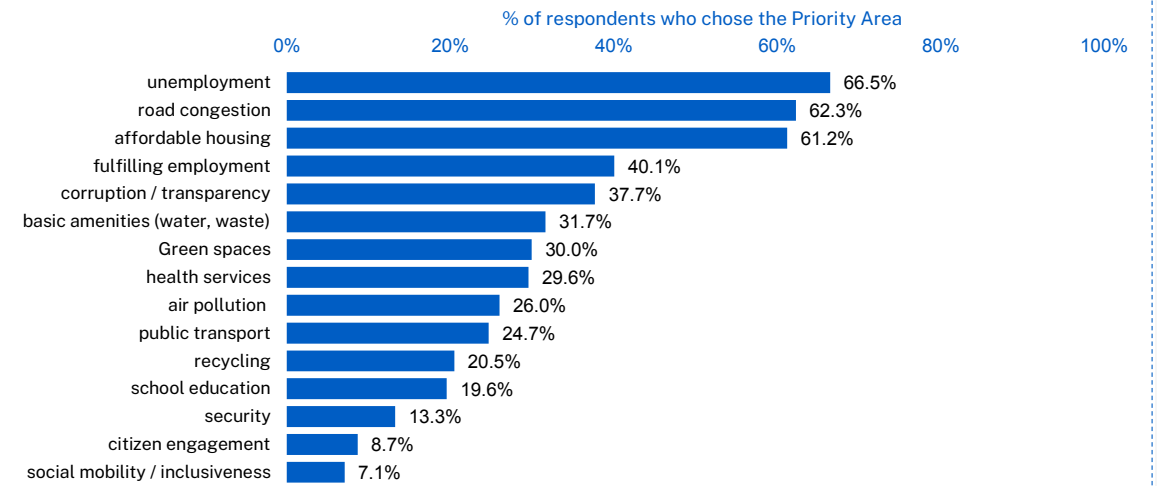
Country

Jordan

	2019	2020	2021	2022	1 yr change
HDI	0.738	0.740	0.744	0.742	-0.002
Life expectancy at birth	76.0	75.2	74.3	74.2	-0.0
Expected years of schooling	12.5	12.6	12.6	12.6	+0.0
Mean years of schooling	10.4	10.4	10.4	10.4	+0.0
GNI per capita (PPP \$)	9,557	9,183	9,180	9,295	+115

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



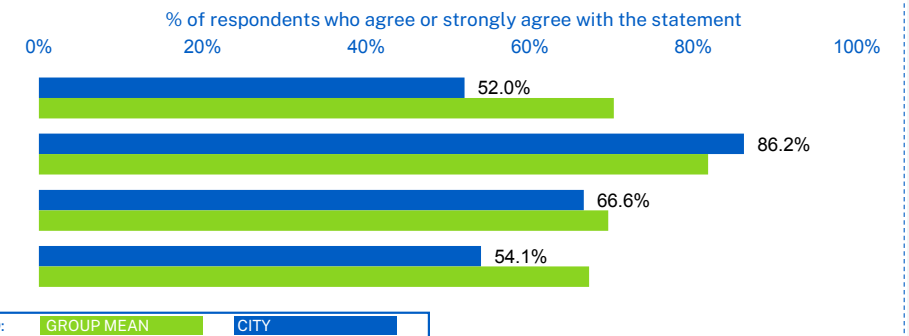
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

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Arranging medical appointments online has improved access

Mobility

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The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Amsterdam

SMART CITY RANKING

17

Out of 146



18 in 2024
Out of 142

SMART CITY RATING

A

A in 2024

FACTOR RATINGS

AA

STRUCTURES

AA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,180,000
(UN World Urbanization Prospects)

HDI 0.964
(Global Data Lab)



Country

Netherlands

	2019	2020	2021	2022	1 yr change
HDI	0.932	0.933	0.936	0.939	+0.003
Life expectancy at birth	82.0	81.6	81.7	82.5	+0.8
Expected years of schooling	18.4	18.4	18.6	18.6	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP \$)	55,628	52,500	55,355	57,278	+1,923

Health & Safety

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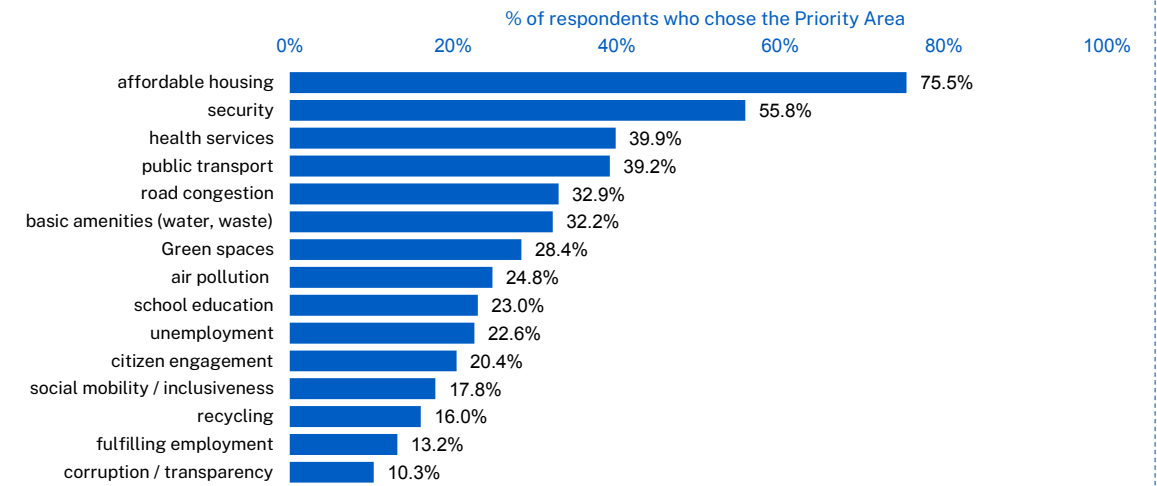
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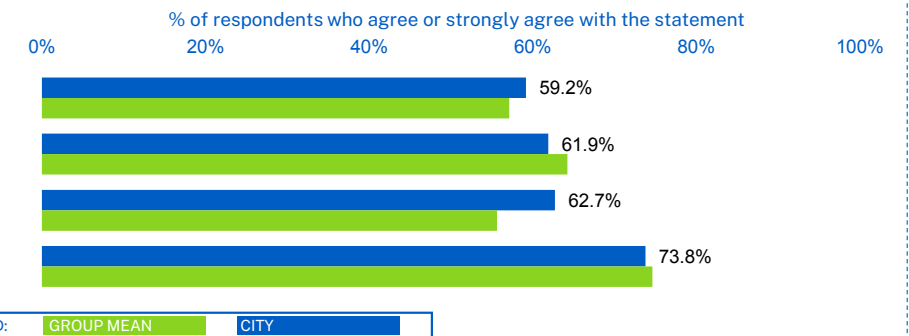
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STRUCTURES

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The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Ankara

SMART CITY RANKING

98

Out of 146



96 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 5,480,000
(UN World Urbanization Prospects)

HDI 0.871
(Global Data Lab)



Country

Türkiye

	2019	2020	2021	2022	1 yr change
HDI	0.821	0.826	0.833	0.838	+0.005
Life expectancy at birth	77.8	75.9	76.0	78.5	+2.4
Expected years of schooling	19.2	19.3	19.7	19.7	+0.0
Mean years of schooling	8.6	8.8	8.8	8.8	+0.0
GNI per capita (PPP \$)	27,950	28,381	31,310	32,834	+1,524

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

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Governance

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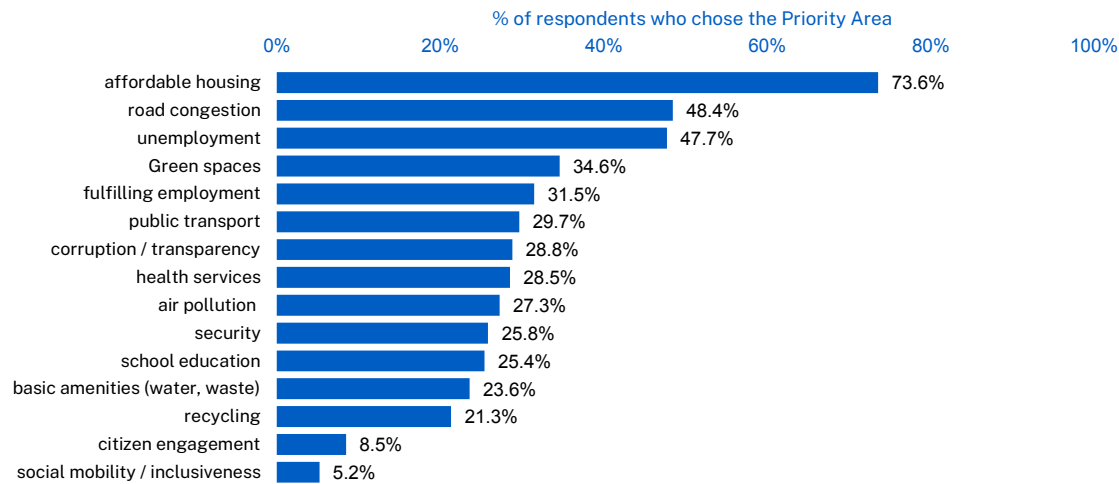
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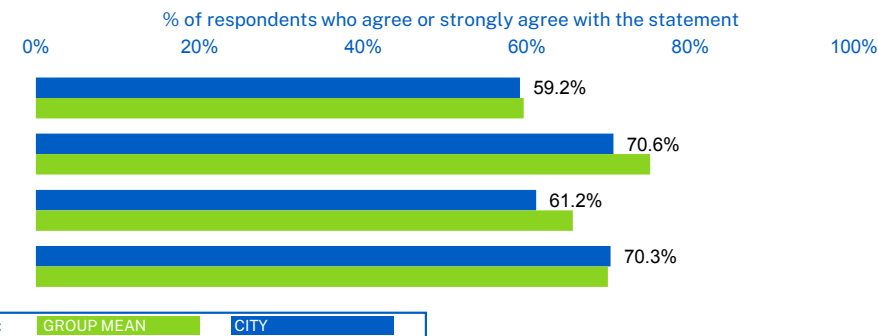
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STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

68.1

56.1

58.1

39.2

58.7

27.0

25.6

48.5

51.1

63.5

59.8

51.5

59.3

52.5

54.0

66.0

36.5

51.9

56.1

TECHNOLOGIES

Score

0 20 40 60 80 100

58.5

59.6

62.8

66.5

50.2

69.1

39.5

43.9

40.1

62.6

73.2

73.3

68.6

54.8

56.0

65.7

51.9

44.0

57.6

69.5

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

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Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Astana

SMART CITY RANKING

102

Out of 146

not in 2024

SMART CITY RATING

CC

not in 2024

FACTOR RATINGS

CC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,320,000
(UN World Urbanization Prospects)

HDI 0.816
(Global Data Lab)



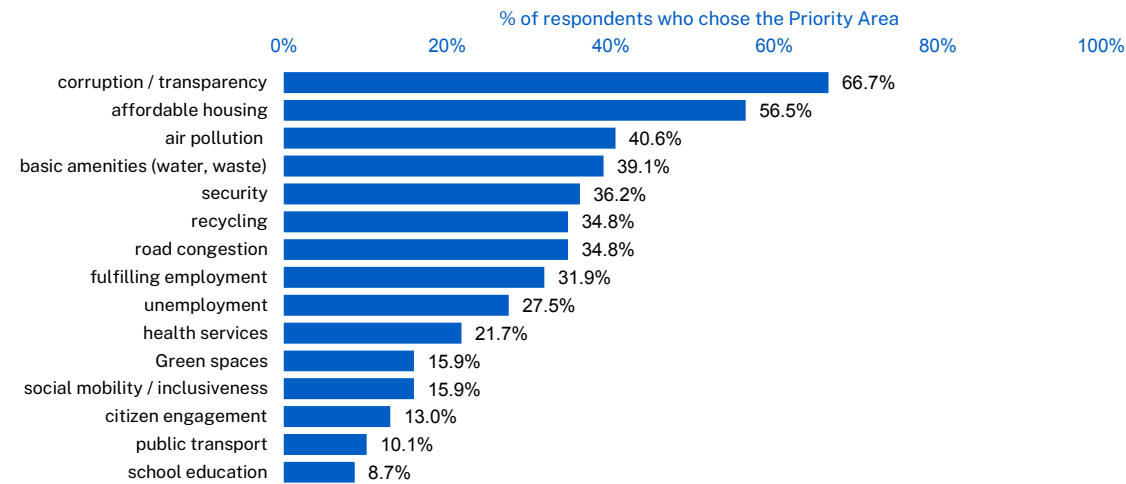
Country

Kazakhstan

	2019	2020	2021	2022	1 yr change
HDI	0.799	0.797	0.802	0.804	+0.002
Life expectancy at birth	71.6	70.0	69.4	69.5	+0.1
Expected years of schooling	14.6	14.8	14.8	14.8	+0.0
Mean years of schooling	12.3	12.4	12.4	12.4	+0.0
GNI per capita (PPP \$)	22,787	23,304	22,602	22,587	-15

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



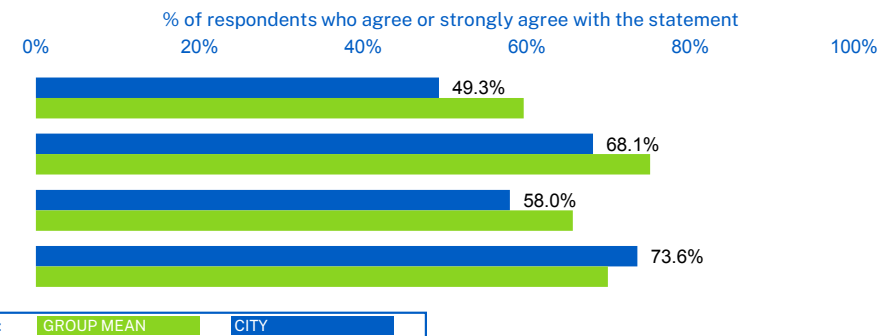
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

61.8

55.1

53.6

37.0

60.9

37.9

43.0

67.6

65.0

73.2

67.4

64.0

69.6

61.8

49.0

59.9

34.1

43.0

53.4

TECHNOLOGIES

Health & Safety

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

58.7

53.4

50.5

61.1

46.1

75.8

48.6

56.5

55.8

78.0

60.9

80.4

72.5

64.0

67.9

59.2

44.4

51.9

53.4

75.1

Athens

SMART CITY RANKING

129

Out of 146



120 in 2024
Out of 142

SMART CITY RATING

CCC

C in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 3,150,000
(UN World Urbanization Prospects)

HDI 0.918
(Global Data Lab)



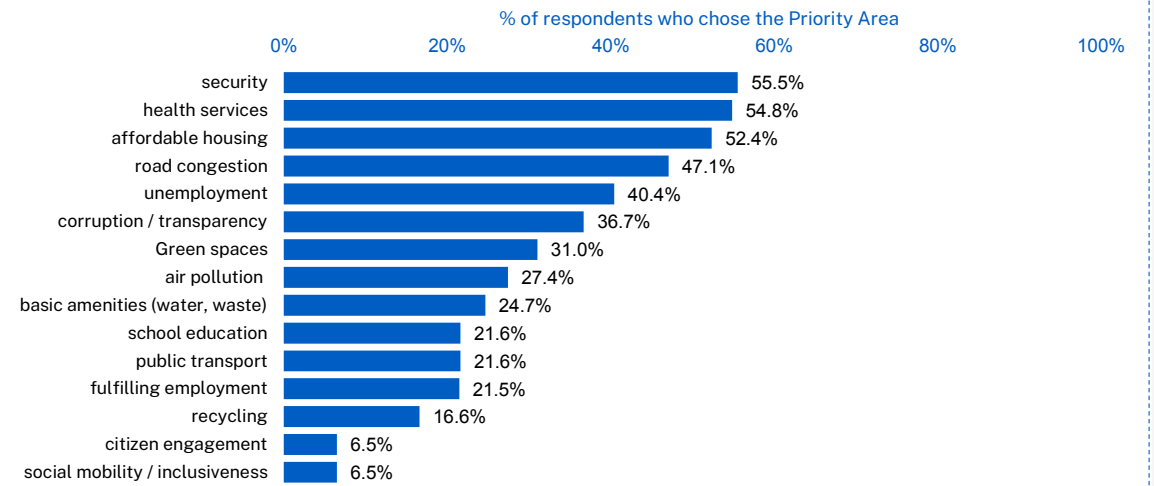
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country Greece

	2019	2020	2021	2022	1 yr change
HDI	0.881	0.877	0.880	0.886	+0.006
Life expectancy at birth	81.2	80.9	80.1	80.6	+0.5
Expected years of schooling	19.7	19.7	20.0	20.0	+0.0
Mean years of schooling	11.1	11.4	11.4	11.4	+0.0
GNI per capita (PPP \$)	29,457	26,973	29,421	31,382	+1,960

PRIORITY AREAS

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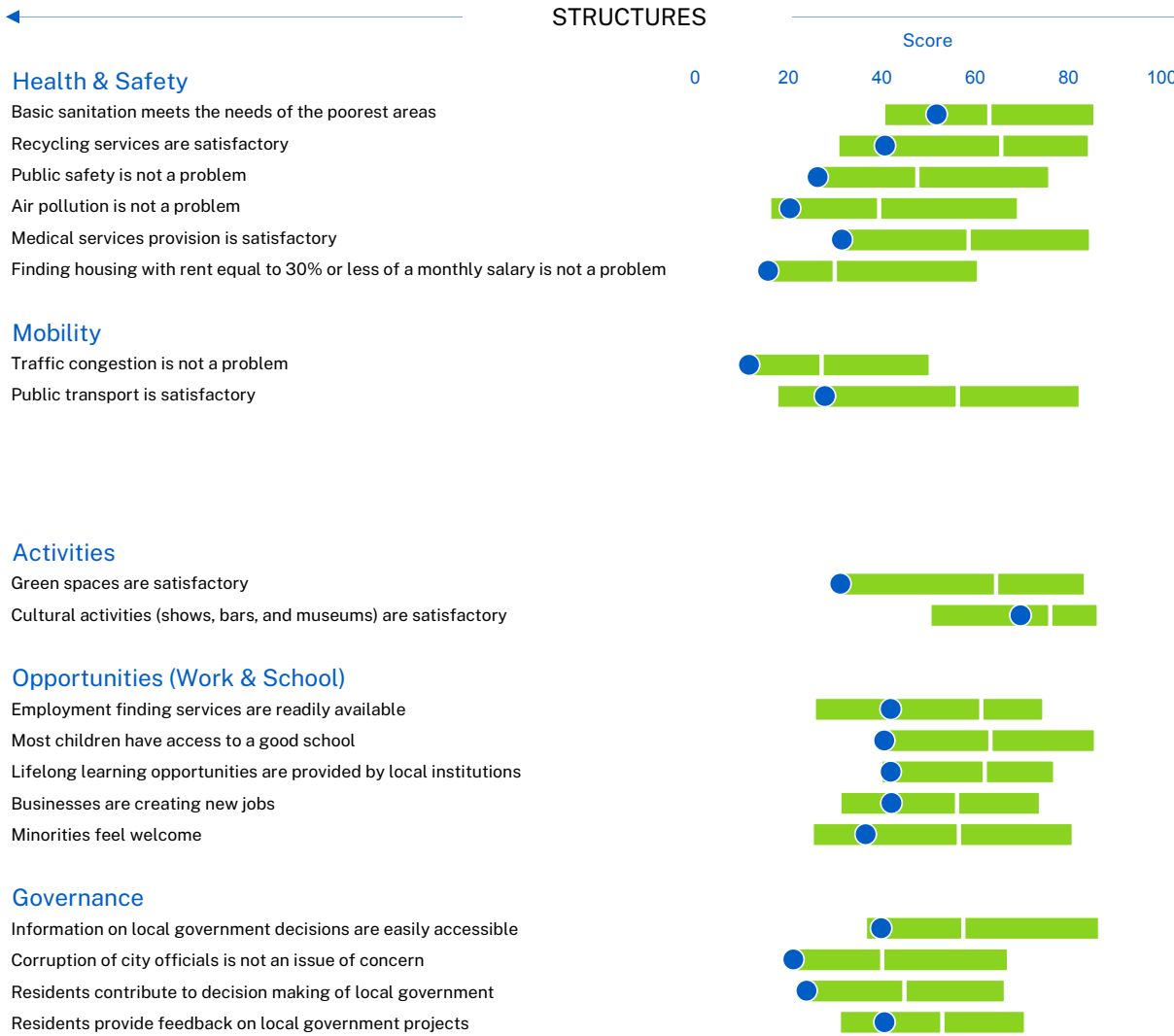
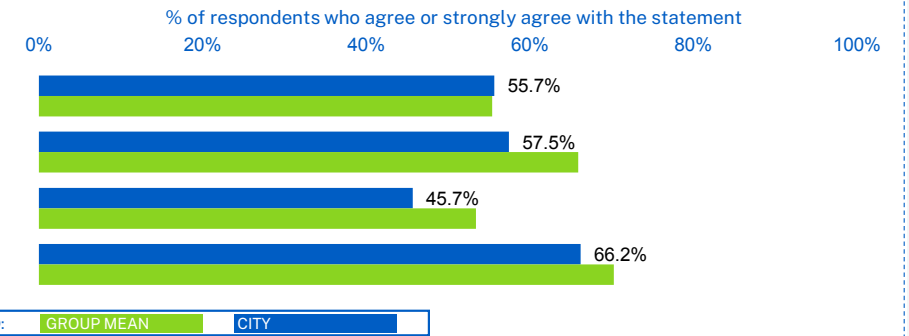
ATTITUDES

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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



Auckland

SMART
CITY
RANKING

25

Out of 146



31 in 2024
Out of 142

SMART
CITY RATING

A

BBB in 2024

FACTOR
RATINGS

A

STRUCTURES

AA

TECHNOLOGIES

GROUP

1

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 1,690,000
(UN World Urbanization Prospects)

HDI 0.968
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

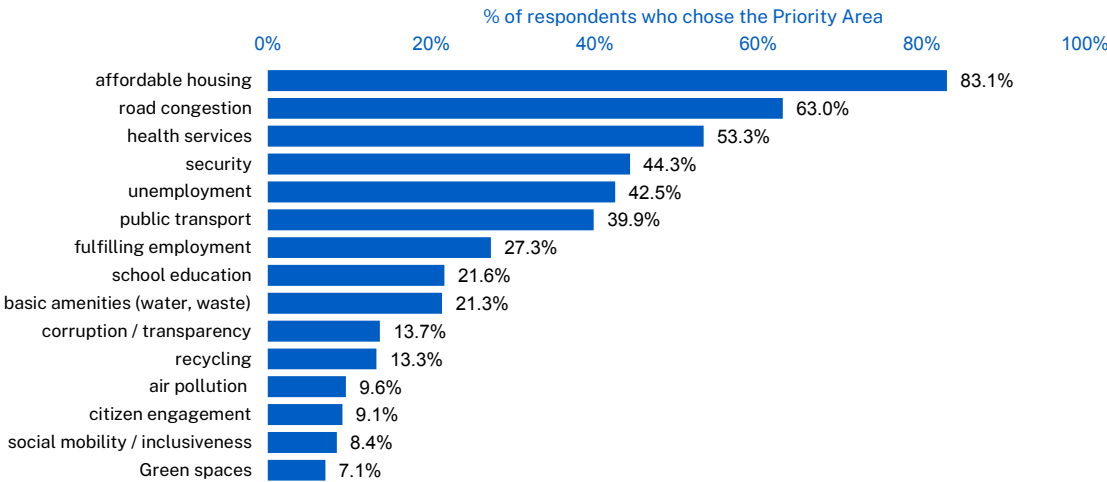
Country

New Zealand

	2019	2020	2021	2022	1 yr change
HDI	0.933	0.935	0.935	0.936	+0.001
Life expectancy at birth	82.6	82.7	82.5	83.0	+0.6
Expected years of schooling	19.5	19.2	19.7	19.7	+0.0
Mean years of schooling	13.0	12.9	12.9	12.9	+0.0
GNI per capita (PPP \$)	42,210	41,225	42,850	43,665	+816

PRIORITY AREAS

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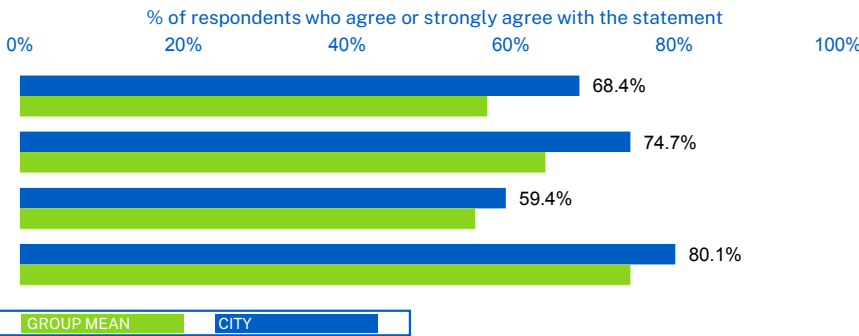
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STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

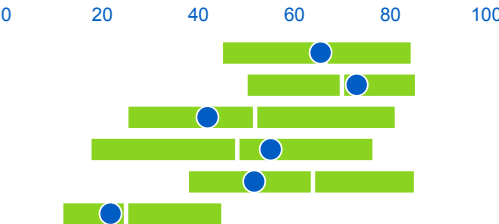
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Mobility

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Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

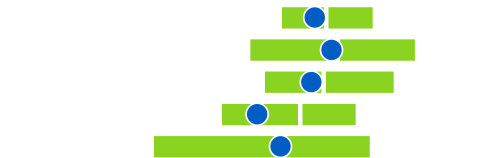
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Governance

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Residents provide feedback on local government projects



LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

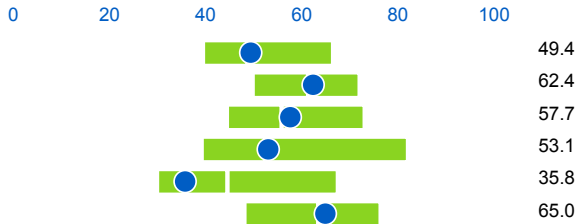
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

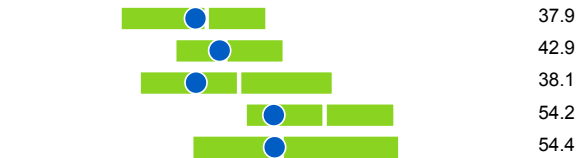
Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Bangkok

SMART CITY RANKING

86

Out of 146



84 in 2024
Out of 142

SMART CITY RATING

CC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

B

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 11,230,000
(UN World Urbanization Prospects)

HDI 0.836
(Global Data Lab)



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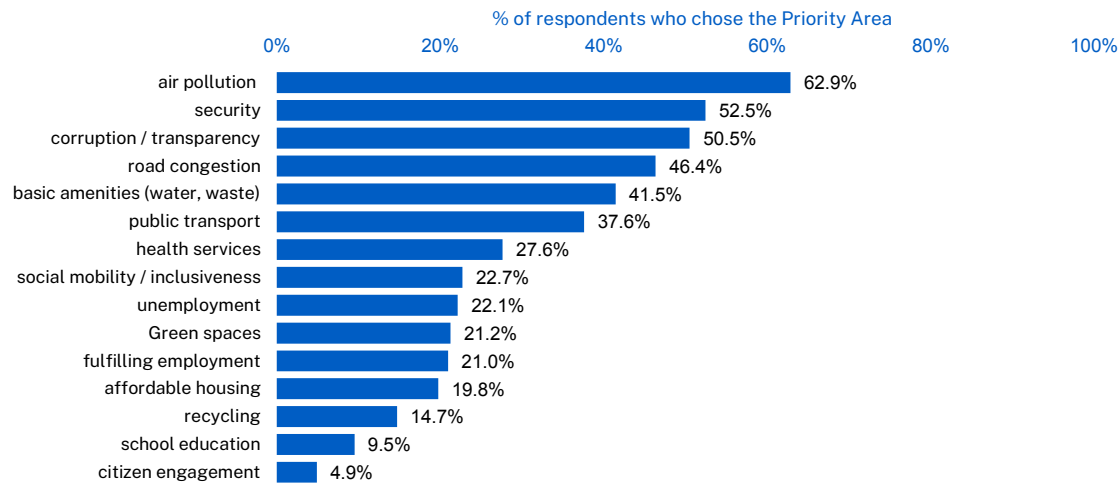
Country

Thailand

	2019	2020	2021	2022	1 yr change
HDI	0.789	0.793	0.795	0.796	+0.001
Life expectancy at birth	79.0	79.3	78.7	79.7	+1.0
Expected years of schooling	15.8	15.6	15.6	15.6	+0.0
Mean years of schooling	8.7	8.8	8.8	8.8	+0.0
GNI per capita (PPP \$)	17,335	16,444	16,481	16,887	+405

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



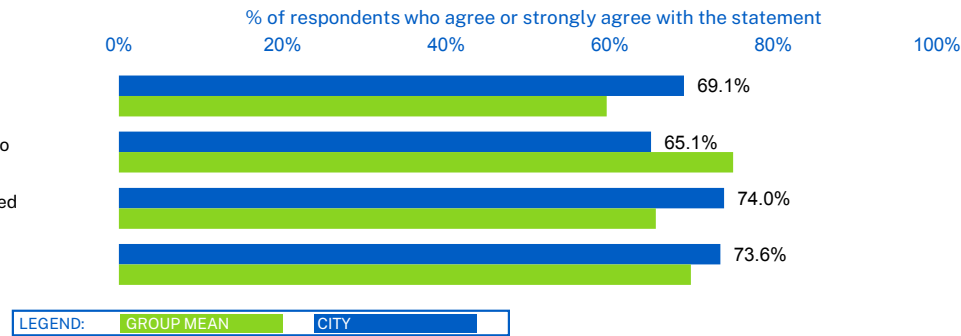
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

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Mobility

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Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

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Opportunities (Work & School)

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IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Barcelona

SMART CITY RANKING

92

Out of 146



81 in 2024
Out of 142

SMART CITY RATING

CCC

BB in 2024

FACTOR RATINGS

B

STRUCTURES

BB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 5,710,000
(UN World Urbanization Prospects)

HDI 0.922
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

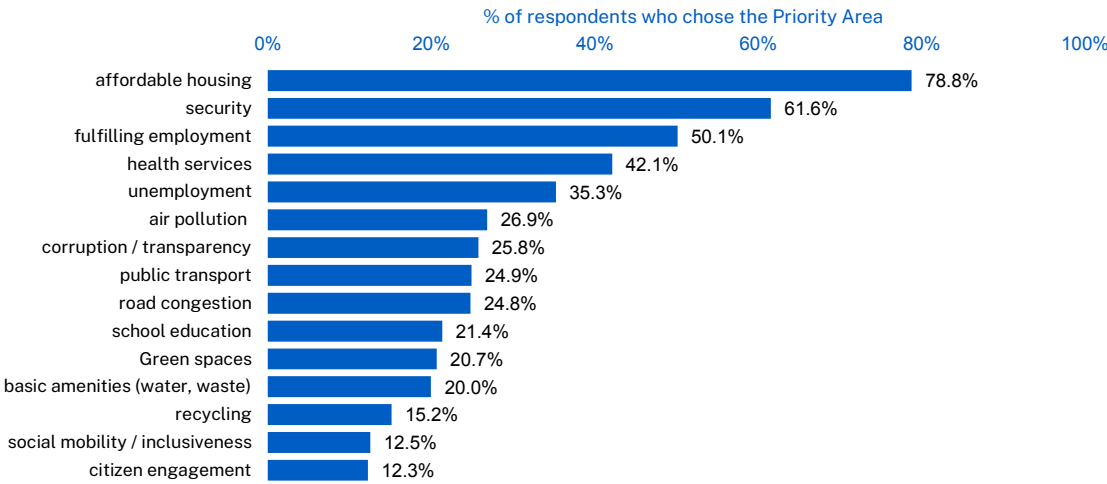
Country

Spain

	2019	2020	2021	2022	1 yr change
HDI	0.889	0.894	0.896	0.899	+0.003
Life expectancy at birth	83.5	82.3	83.0	83.9	+0.9
Expected years of schooling	17.5	17.5	17.8	17.8	+0.0
Mean years of schooling	10.4	10.6	10.6	10.6	+0.0
GNI per capita (PPP \$)	40,854	36,076	38,133	40,043	+1,911

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



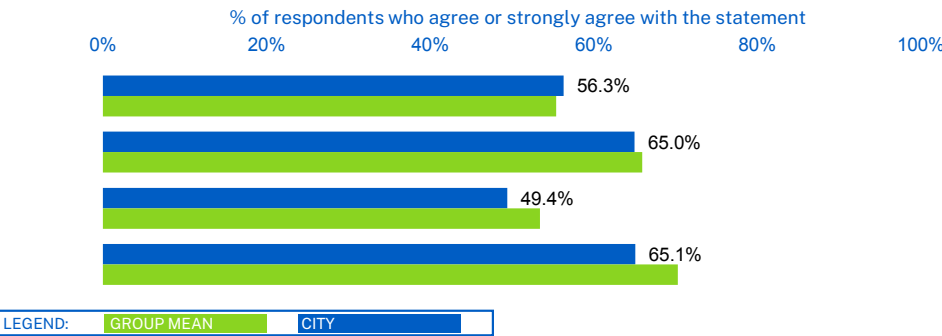
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

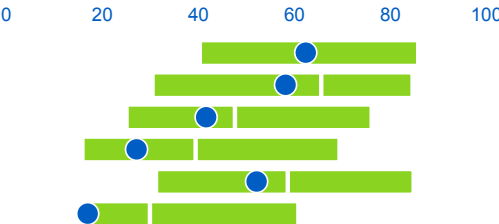
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

Health & Safety

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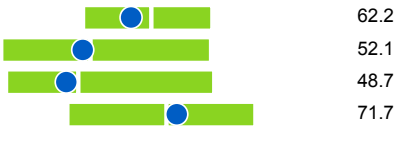
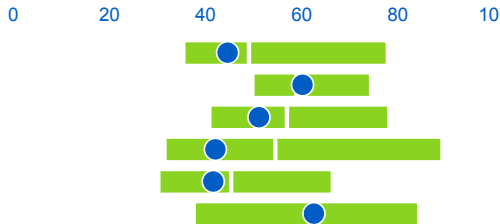
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Beijing

SMART CITY RANKING

14

Out of 146



13 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 22,190,000
(UN World Urbanization Prospects)

HDI 0.905
(Global Data Lab)



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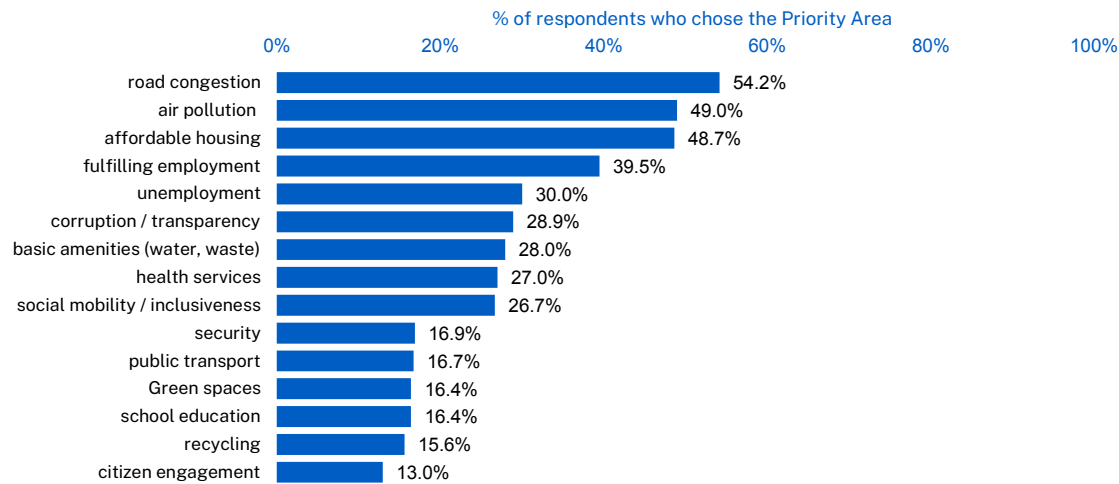
Country

China

	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP \$)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



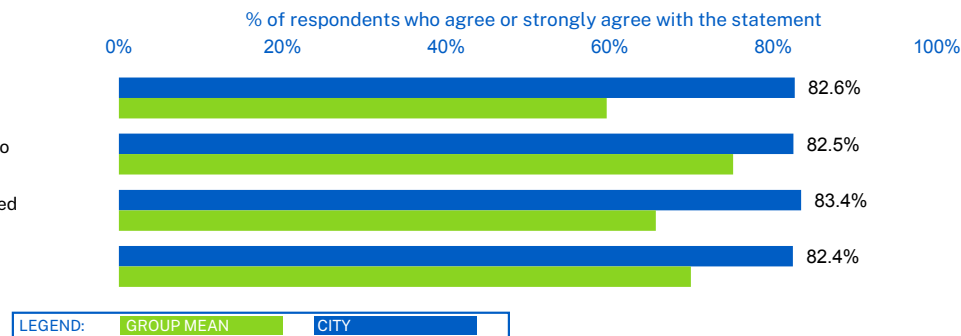
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

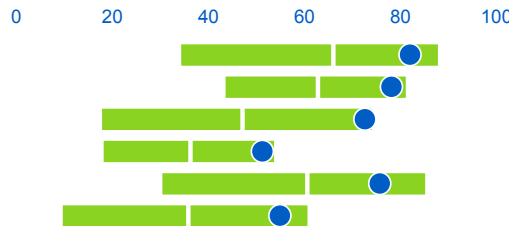
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



82.0

78.2

72.6

51.3

75.7

54.9

Mobility

Traffic congestion is not a problem

Public transport is satisfactory



36.2

65.1

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



78.9

80.0

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



73.1

75.9

64.8

71.5

79.8

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



76.5

55.2

63.3

69.2



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

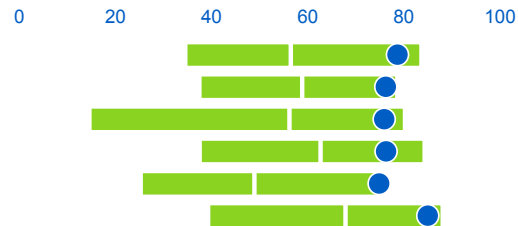
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



78.7

76.3

76.0

76.4

74.9

85.0

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



64.7

77.3

77.5

84.5

82.5

Activities

Online purchasing of tickets to shows and museums has made it easier to attend



88.0

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



75.9

78.5

72.8

84.5

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



69.9

74.1

75.1

82.0

Beirut

SMART CITY RANKING

143

Out of 146



140 in 2024
Out of 142

SMART CITY RATING

D

D in 2024

FACTOR RATINGS

D

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,400,000
(UN World Urbanization Prospects)

HDI 0.693
(Global Data Lab)



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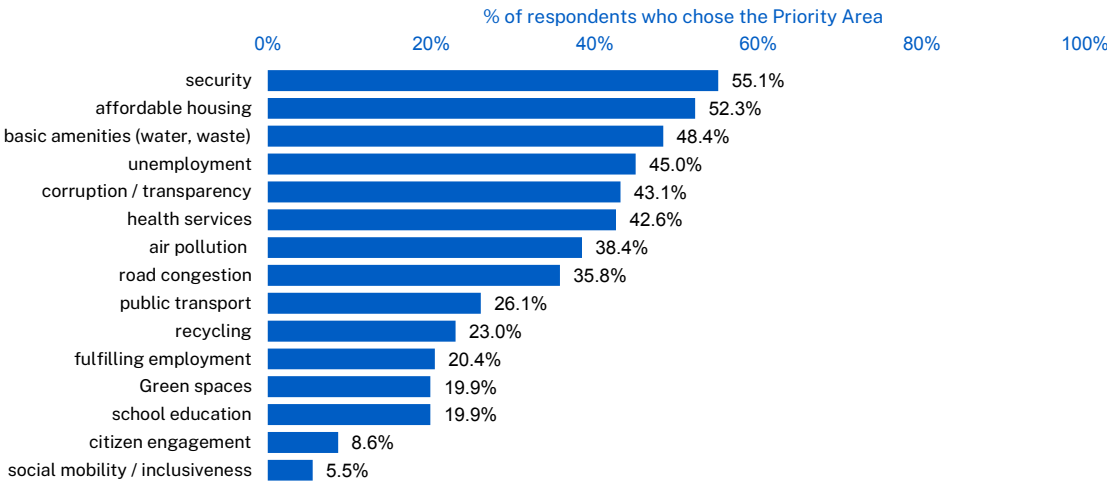
Country

Lebanon

	2019	2020	2021	2022	1 yr change
HDI	0.756	0.760	0.765	0.764	-0.001
Life expectancy at birth	79.2	77.8	75.0	74.4	-0.6
Expected years of schooling	12.1	12.1	12.1	12.1	+0.0
Mean years of schooling	8.6	8.6	8.6	8.6	+0.0
GNI per capita (PPP \$)	16,724	13,311	12,146	12,313	+167

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



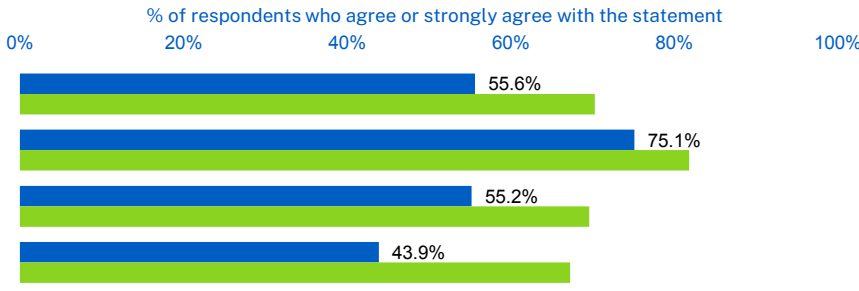
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

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Residents contribute to decision making of local government

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TECHNOLOGIES

Health & Safety

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The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Belfast

SMART CITY RANKING

94

Out of 146



101 in 2024
Out of 142

SMART CITY RATING

CCC

CC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 270,000
(UN World Urbanization Prospects)

HDI 0.907
(Global Data Lab)



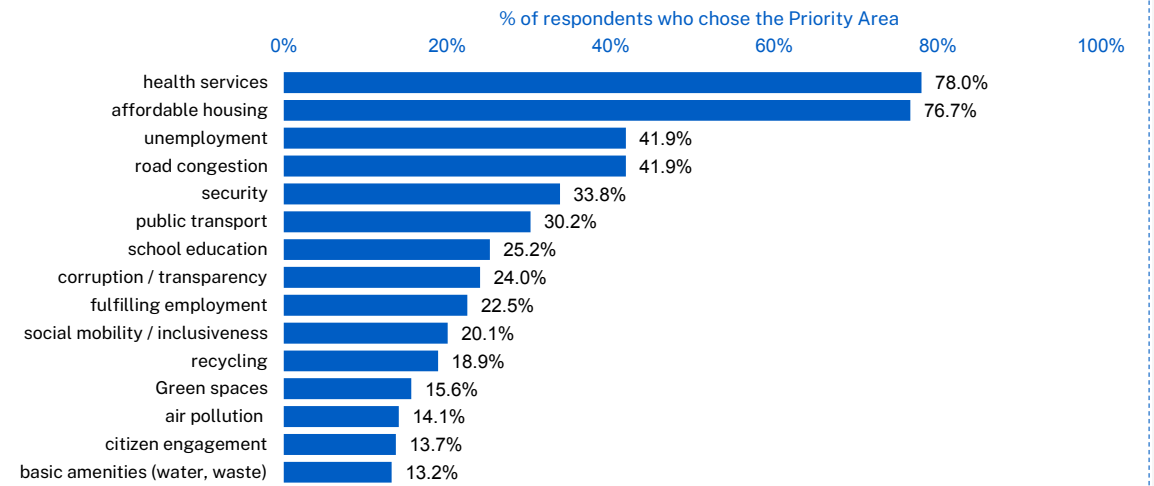
Country

United Kingdom

	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	47,066	40,799	44,750	46,624	+1,874

PRIORITY AREAS

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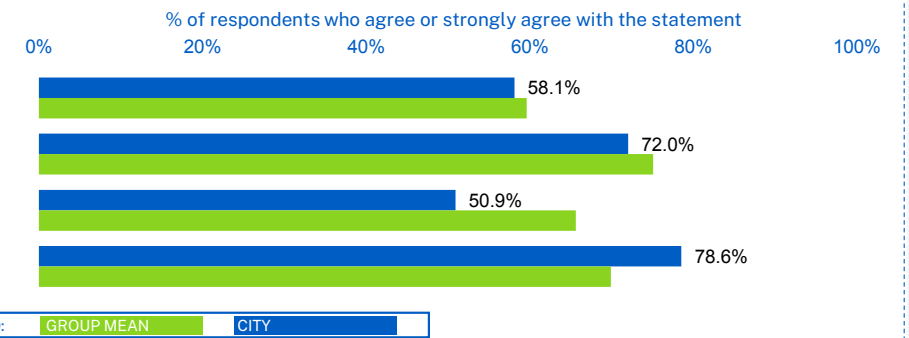
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STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

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Minorities feel welcome

Governance

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Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

Health & Safety

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Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

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IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Bengaluru

SMART CITY RANKING

110

Out of 146



109 in 2024
Out of 142

SMART CITY RATING

CC

CCC in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 14,010,000
(UN World Urbanization Prospects)

HDI 0.673
(Global Data Lab)



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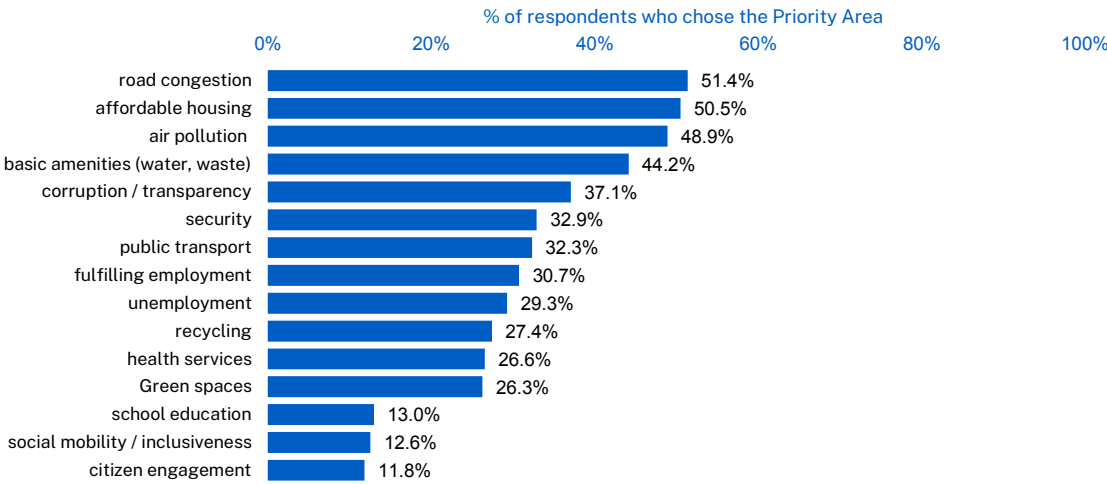
Country

India

	2019	2020	2021	2022	1 yr change
HDI	0.619	0.630	0.636	0.636	+0.000
Life expectancy at birth	70.9	70.2	67.2	67.7	+0.5
Expected years of schooling	11.4	11.7	12.0	12.6	+0.6
Mean years of schooling	6.3	6.5	6.5	6.6	+0.0
GNI per capita (PPP \$)	6,554	6,090	6,542	6,951	+408

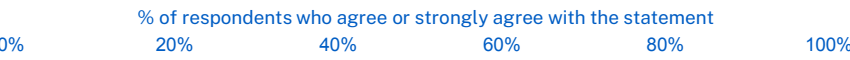
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LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

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Governance

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Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

69.5

71.1

51.4

37.0

74.2

49.3

23.7

65.0

74.6

79.8

73.2

77.9

70.0

82.0

73.2

71.1

41.9

63.3

64.6

TECHNOLOGIES

Health & Safety

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Governance

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An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

65.2

63.2

58.8

75.7

63.3

81.2

65.2

60.9

64.1

77.2

71.1

87.0

79.9

69.3

78.4

83.7

60.2

64.3

70.0

78.5

Berlin

SMART CITY RANKING

37

Out of 146

37 in 2024
Out of 142

SMART CITY RATING

A

BBB in 2024

FACTOR RATINGS

BBB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 3,580,000
(UN World Urbanization Prospects)

HDI 0.967
(Global Data Lab)



Country

Germany

	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP \$)	55,685	53,375	55,057	55,340	+284

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

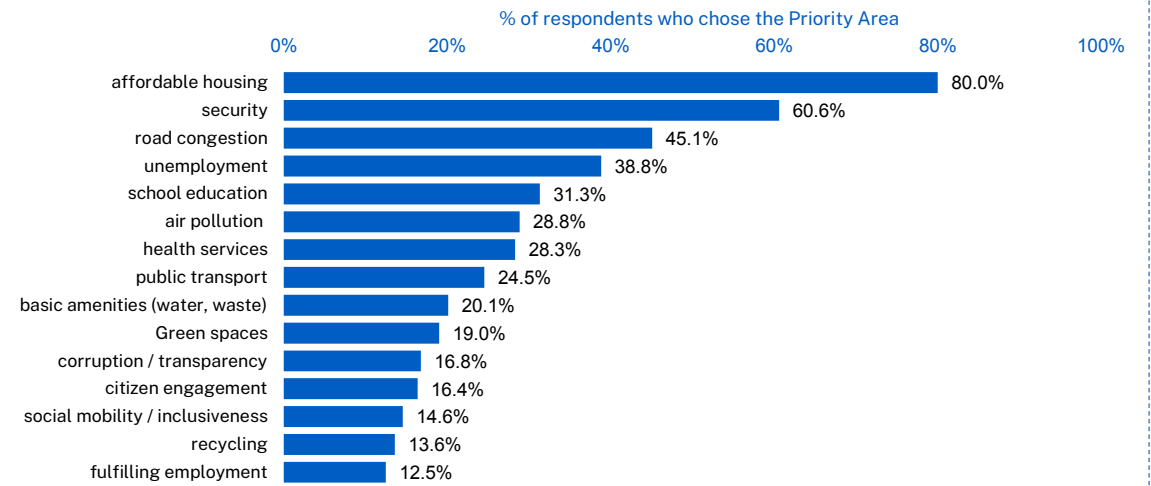
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



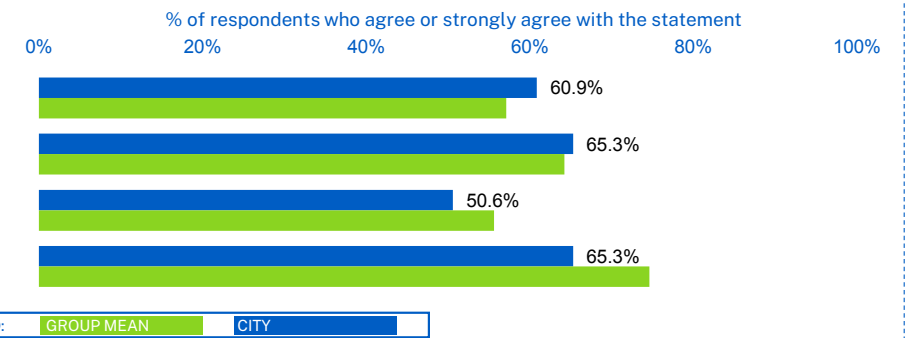
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Bilbao

SMART CITY RANKING

29

Out of 146

29 in 2024
Out of 142

SMART CITY RATING

A

BBB in 2024

FACTOR RATINGS

A

STRUCTURES

BBB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 350,000
(UN World Urbanization Prospects)

HDI 0.939
(Global Data Lab)



Country Spain

	2019	2020	2021	2022	1 yr change
HDI	0.889	0.894	0.896	0.899	+0.003
Life expectancy at birth	83.5	82.3	83.0	83.9	+0.9
Expected years of schooling	17.5	17.5	17.8	17.8	+0.0
Mean years of schooling	10.4	10.6	10.6	10.6	+0.0
GNI per capita (PPP \$)	40,854	36,076	38,133	40,043	+1,911

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

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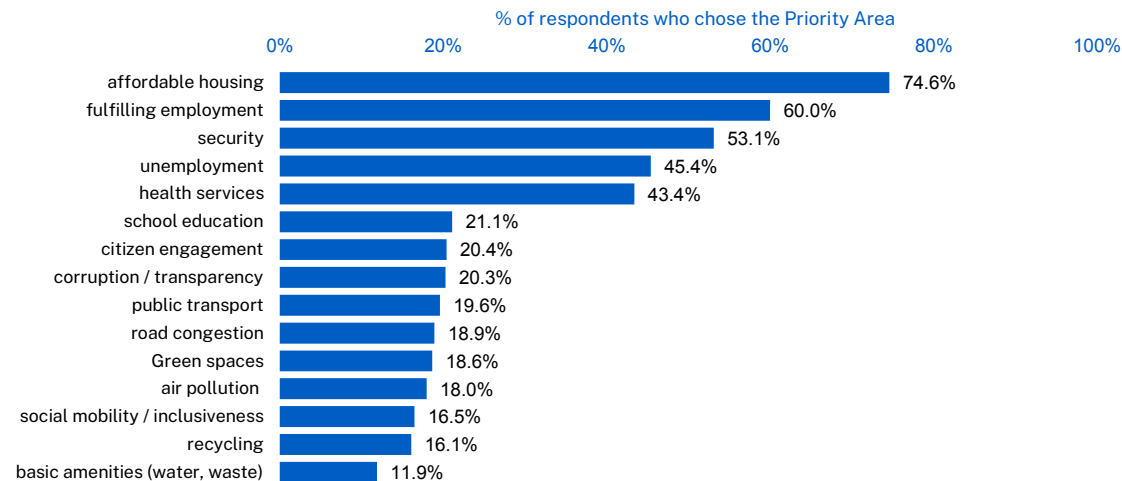
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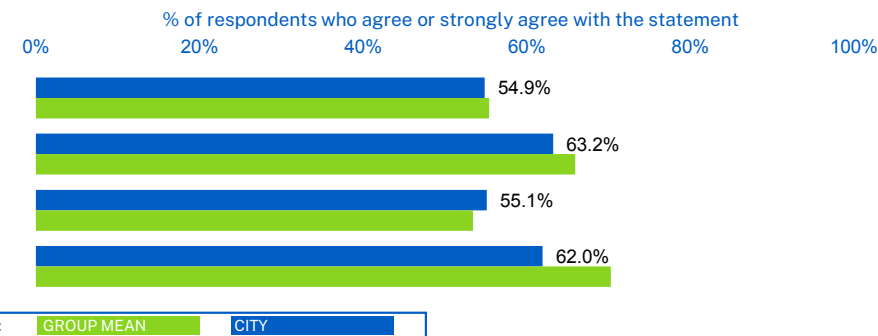
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

70.3

75.1

54.6

44.5

61.8

20.7

41.0

80.3

77.7

81.2

74.8

74.0

77.1

53.1

63.3

60.4

47.7

48.1

56.1

TECHNOLOGIES

Score

0 20 40 60 80 100

54.7

57.6

59.5

48.0

45.3

64.3

44.3

45.1

57.5

70.2

59.3

81.3

64.2

55.4

48.6

75.8

41.0

47.0

55.0

63.7

Birmingham

SMART
CITY
RANKING

80

Out of 146



83 in 2024
Out of 142

SMART
CITY RATING

B

BB in 2024

FACTOR
RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

2

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 2,680,000
(UN World Urbanization Prospects)

HDI 0.925
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

United Kingdom

	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	47,066	40,799	44,750	46,624	+1,874

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

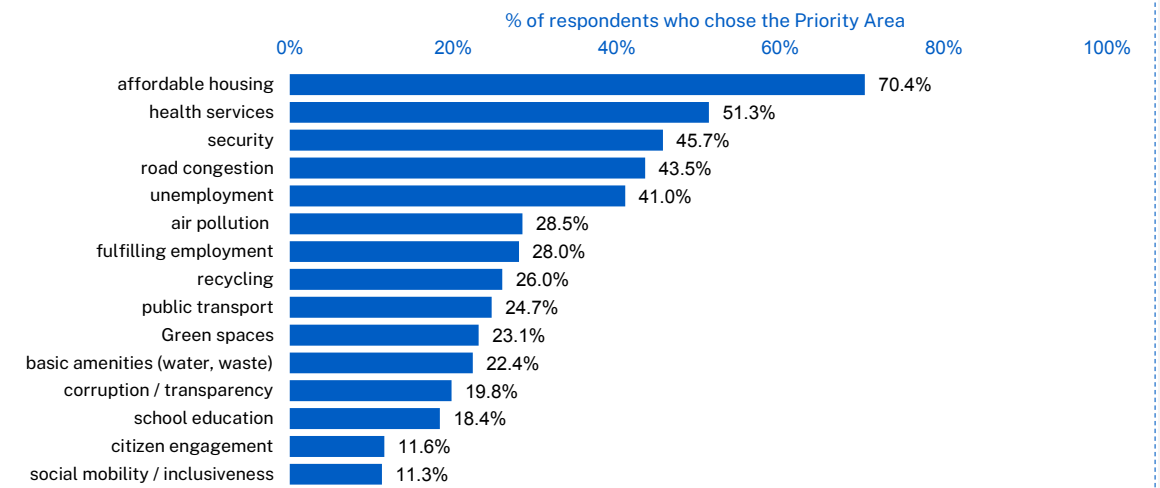
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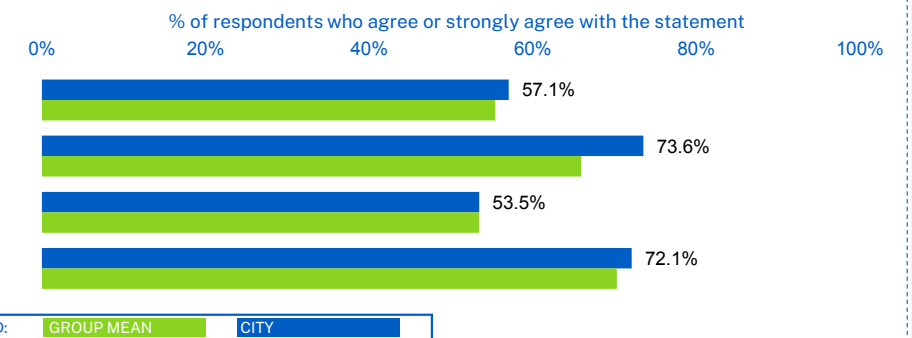
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Health & Safety

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A website or App allows residents to effectively monitor air pollution

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Mobility

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The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Bogota

SMART CITY RANKING

134

Out of 146



127 in 2024
Out of 142

SMART CITY RATING

C

D in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 11,660,000
(UN World Urbanization Prospects)

HDI 0.804
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Colombia

	2019	2020	2021	2022	1 yr change
HDI	0.758	0.763	0.765	0.766	+0.001
Life expectancy at birth	76.8	74.8	72.8	73.7	+0.8
Expected years of schooling	14.5	14.4	14.4	14.4	+0.0
Mean years of schooling	8.6	8.9	8.9	8.9	+0.0
GNI per capita (PPP \$)	14,294	13,220	14,403	15,014	+611

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

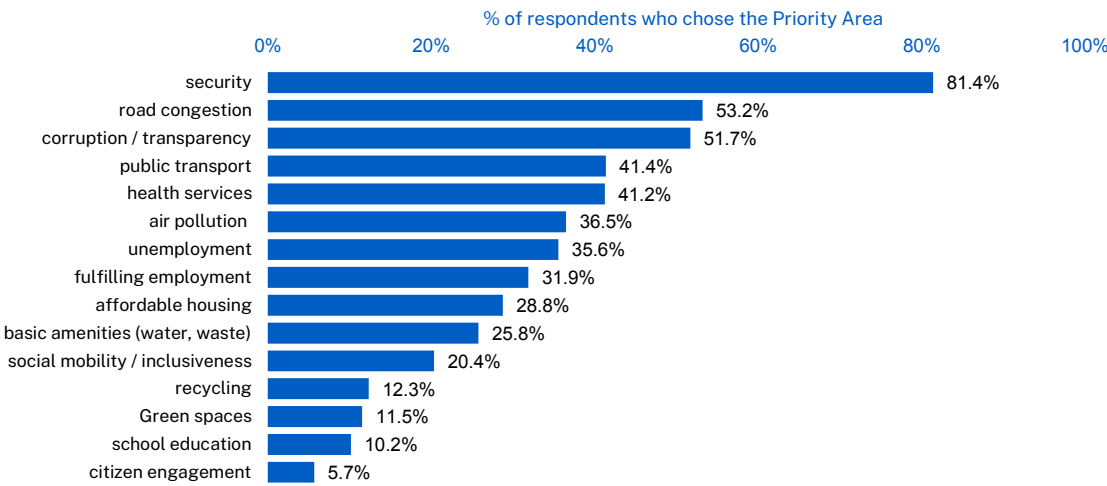
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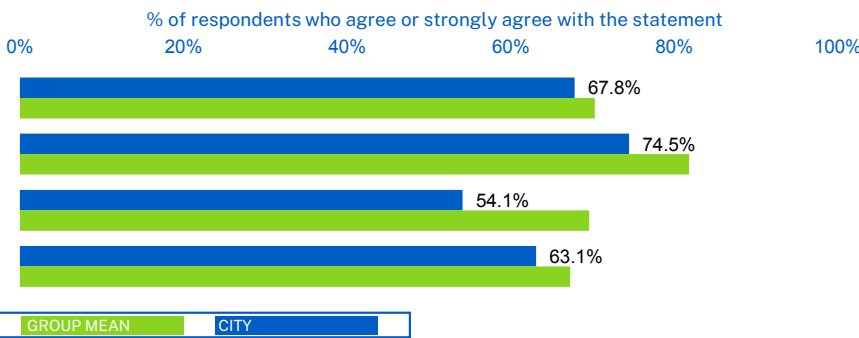
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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

41.4

47.4

21.2

18.6

38.8

33.1

15.5

25.6

65.9

77.9

59.9

43.9

48.8

44.6

41.1

46.6

18.2

28.0

38.2

TECHNOLOGIES

Score

0 20 40 60 80 100

38.4

47.6

50.0

44.4

45.8

61.4

35.0

44.1

48.6

55.3

60.2

77.6

60.7

51.6

50.9

65.5

24.3

32.6

37.0

64.4

Bologna

SMART CITY RANKING

83

Out of 146



78 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 820,000
(UN World Urbanization Prospects)

HDI 0.935
(Global Data Lab)



Country

Italy

	2019	2020	2021	2022	1 yr change
HDI	0.881	0.886	0.889	0.894	+0.005
Life expectancy at birth	83.6	82.4	82.9	84.1	+1.2
Expected years of schooling	16.4	16.5	16.7	16.7	+0.0
Mean years of schooling	10.7	10.7	10.7	10.7	+0.0
GNI per capita (PPP \$)	43,102	39,587	42,856	44,284	+1,428

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

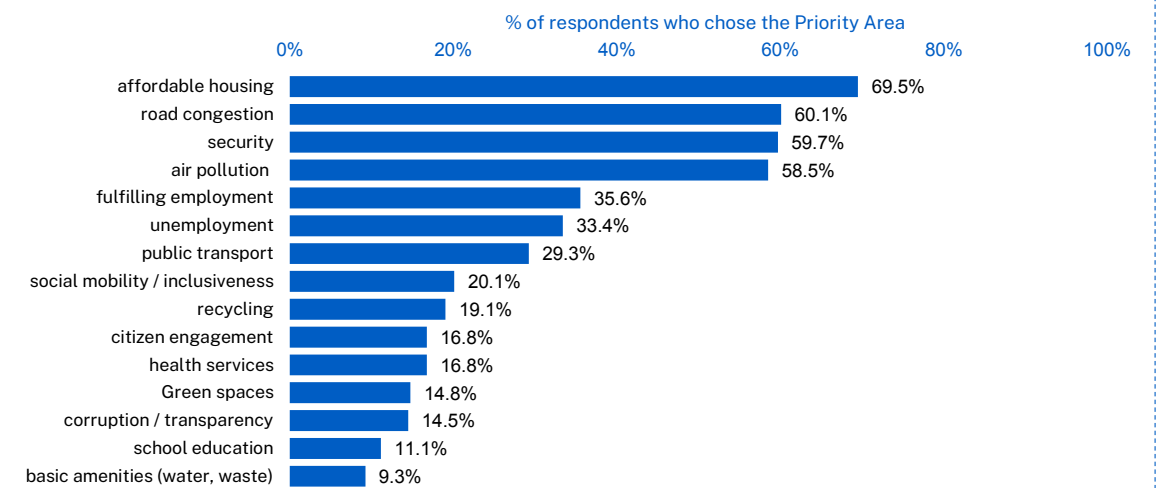
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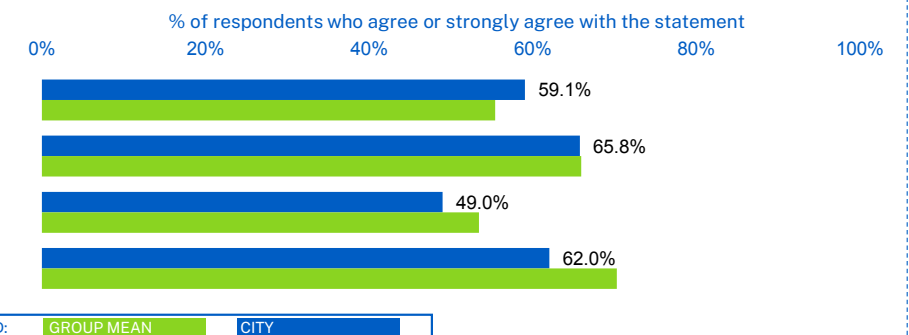
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

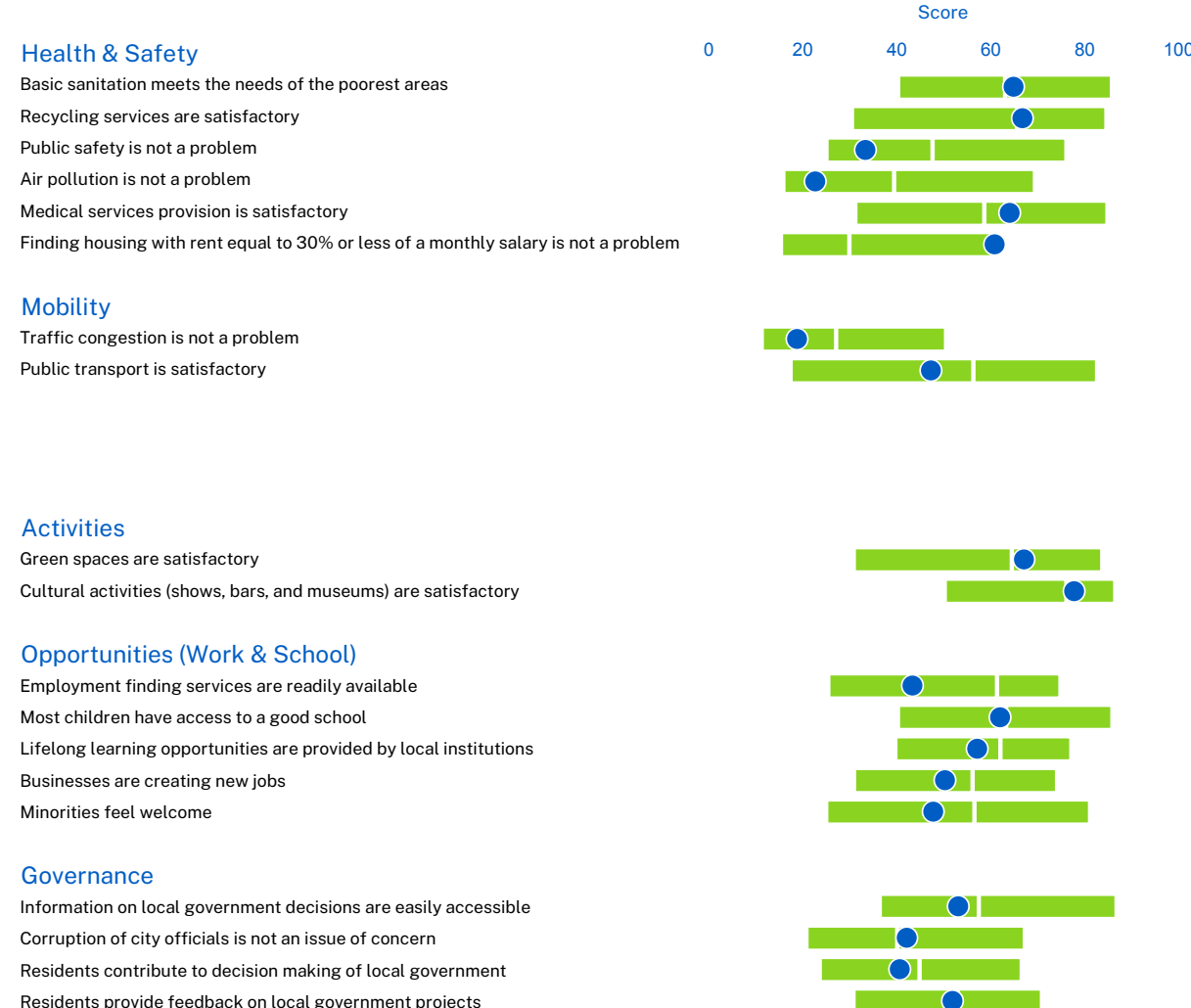
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES



TECHNOLOGIES



Bordeaux

SMART
CITY
RANKING

77

Out of 146



70 in 2024
Out of 142

SMART
CITY RATING

B

CCC in 2024

FACTOR
RATINGS

B

STRUCTURES

CCC

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 1,010,000
(UN World Urbanization Prospects)

HDI 0.907
(Global Data Lab)



Country

France

	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP \$)	46,907	42,891	46,322	47,379	+1,057

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

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Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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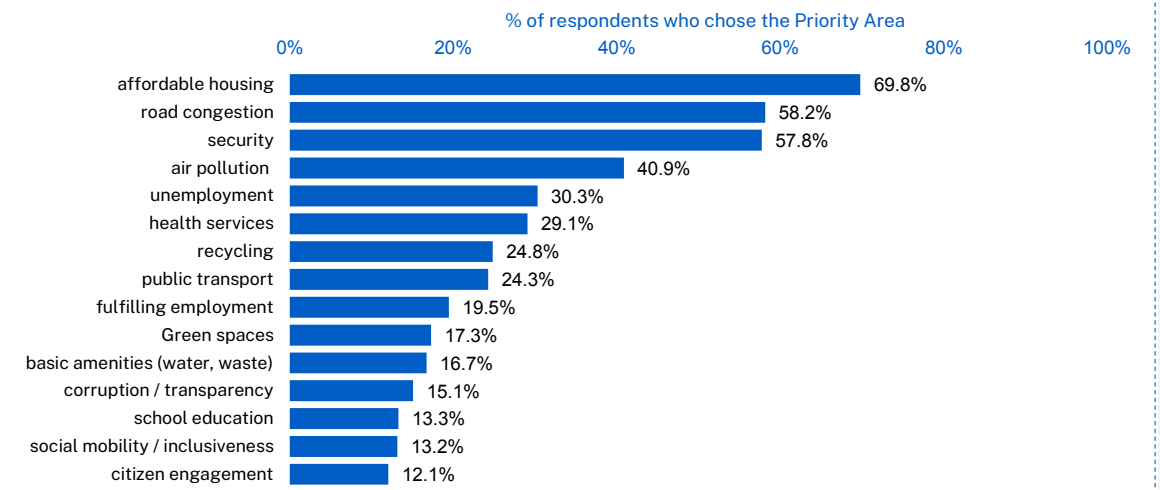
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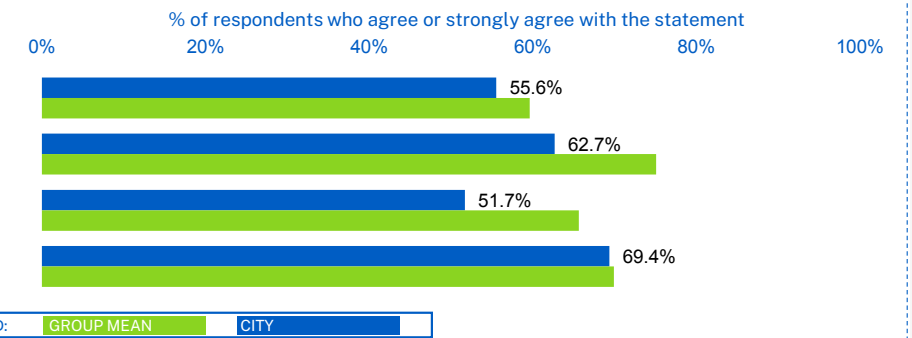
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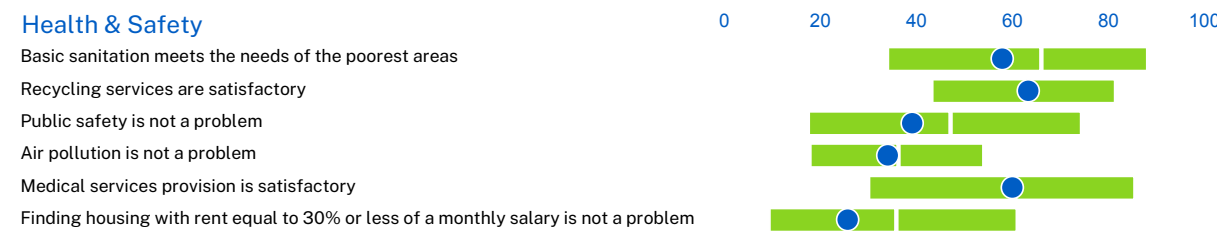
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score



Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

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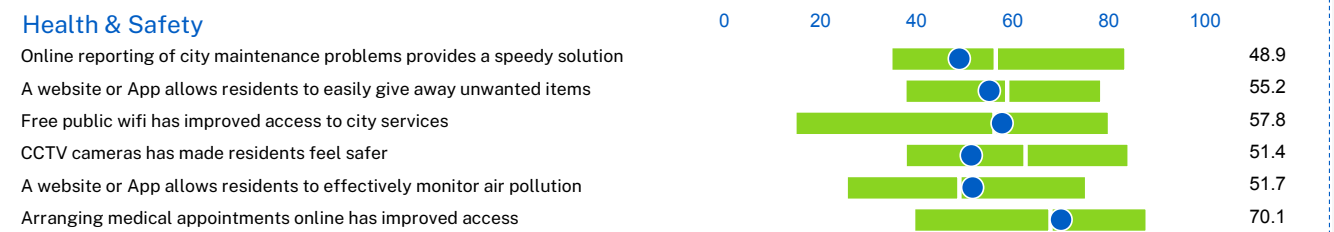
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TECHNOLOGIES

Score



Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Boston

SMART CITY RANKING

35

Out of 146



36 in 2024
Out of 142

SMART CITY RATING

A

BBB in 2024

FACTOR RATINGS

BBB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 670,000
(UN World Urbanization Prospects)

HDI 0.956
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Minorities feel welcome

Governance

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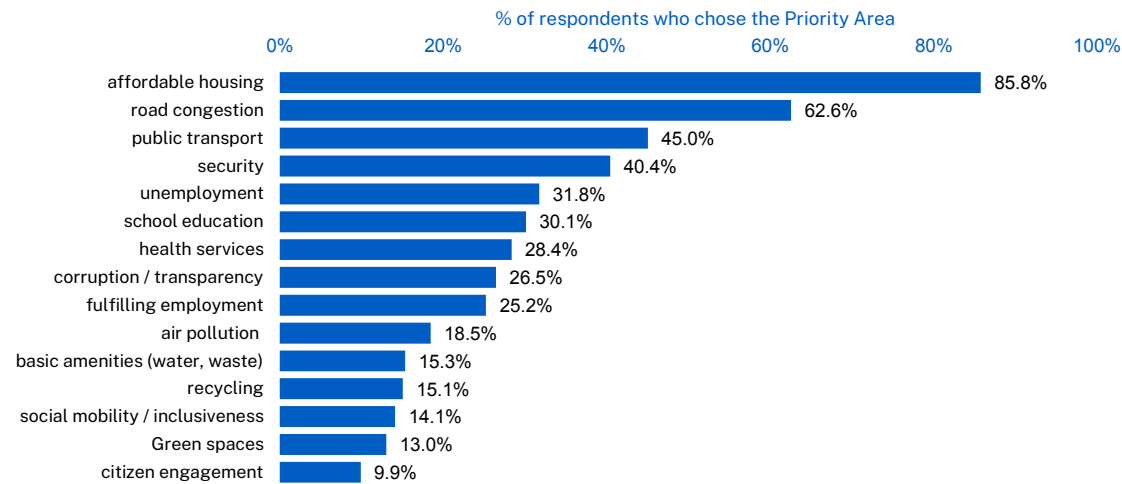
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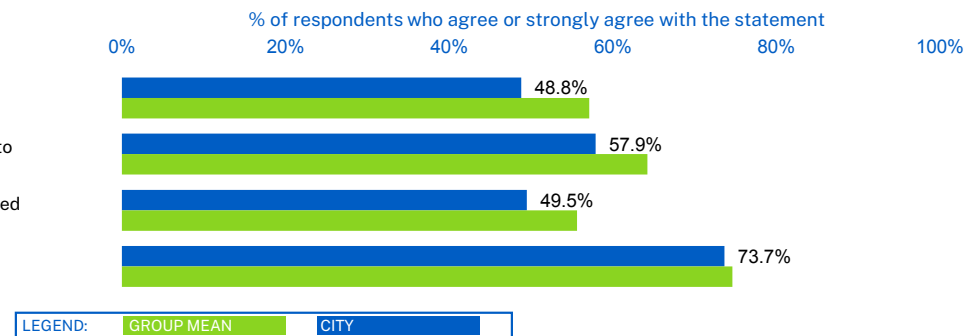
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STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

60.0

68.7

45.6

46.1

74.2

24.2

16.1

42.9

69.8

82.9

66.8

60.8

67.7

64.9

61.5

67.6

42.6

53.3

64.5

TECHNOLOGIES

Score

0 20 40 60 80 100

43.2

56.8

52.3

47.7

34.9

66.0

44.3

46.0

43.5

57.8

57.3

76.8

68.2

49.8

49.5

67.5

40.3

53.0

43.8

54.9

Brasilia

SMART CITY RANKING

130

Out of 146



130 in 2024
Out of 142

SMART CITY RATING

C

C in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 4,940,000
(UN World Urbanization Prospects)

HDI 0.822
(Global Data Lab)



Country

Brazil

	2019	2020	2021	2022	1 yr change
HDI	0.752	0.753	0.758	0.762	+0.004
Life expectancy at birth	75.3	74.0	72.8	73.4	+0.7
Expected years of schooling	15.4	15.4	15.6	15.6	+0.0
Mean years of schooling	8.1	8.3	8.3	8.3	+0.0
GNI per capita (PPP \$)	14,291	13,815	14,342	14,616	+274

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

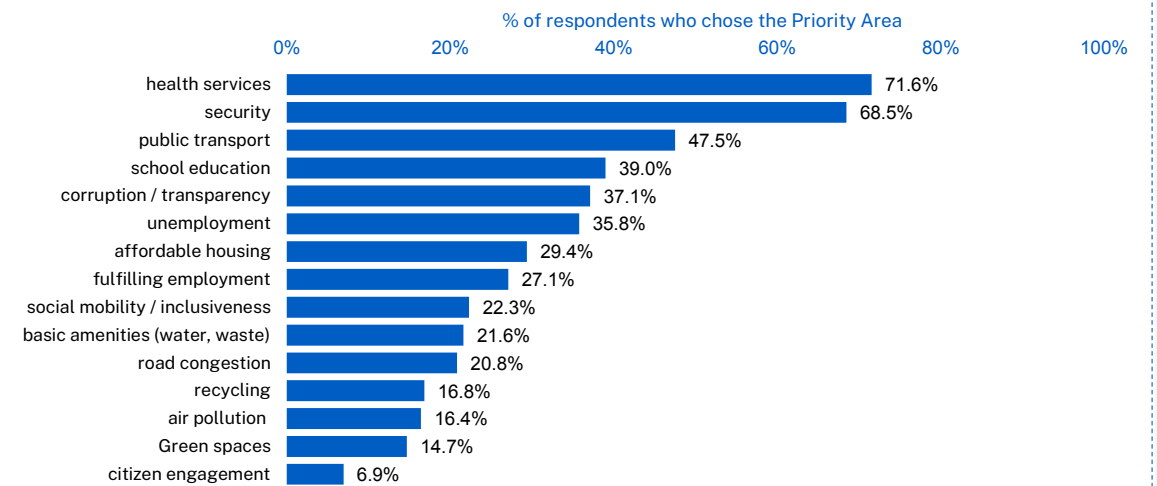
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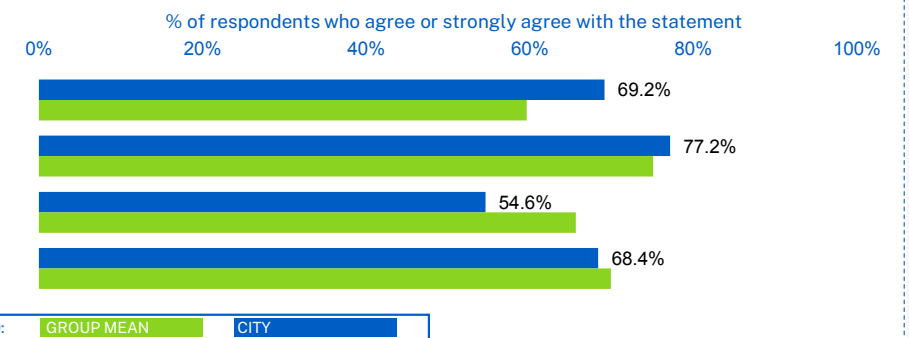
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You are comfortable with face recognition technologies to lower crime

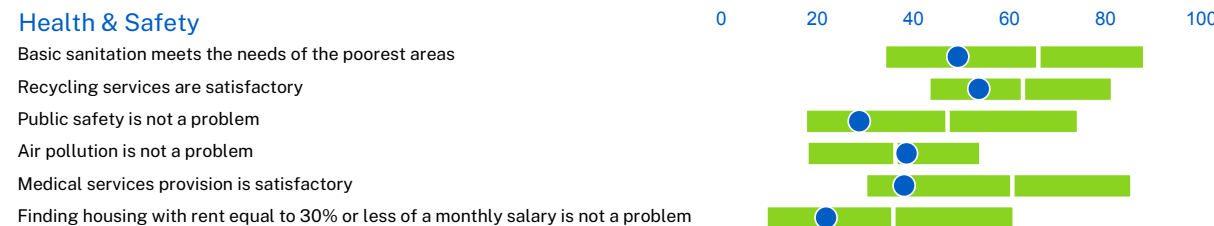
You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score



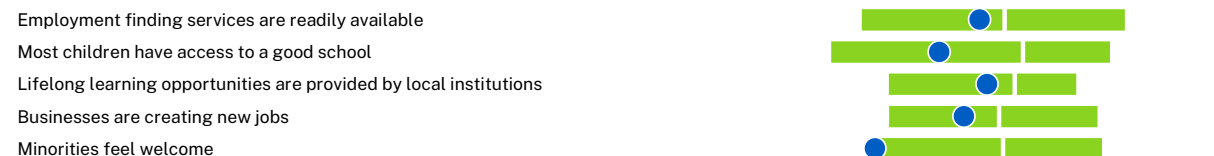
Mobility



Activities



Opportunities (Work & School)



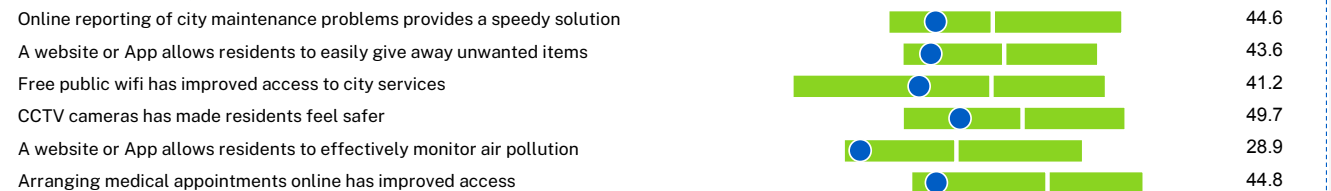
Governance



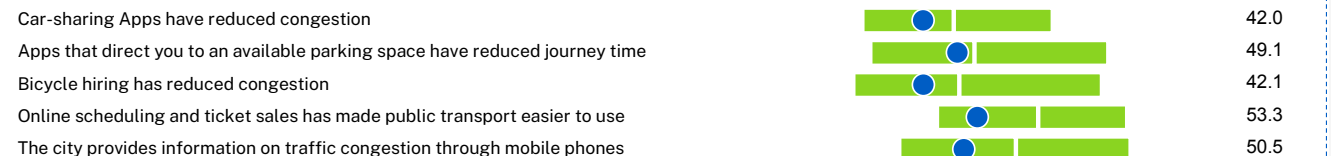
TECHNOLOGIES

Score

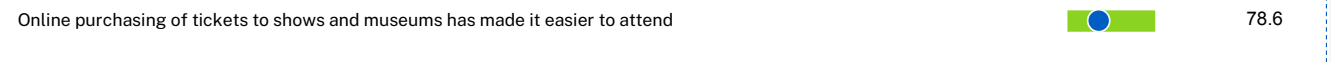
Health & Safety



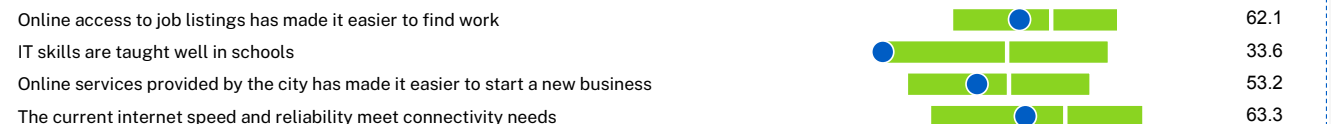
Mobility



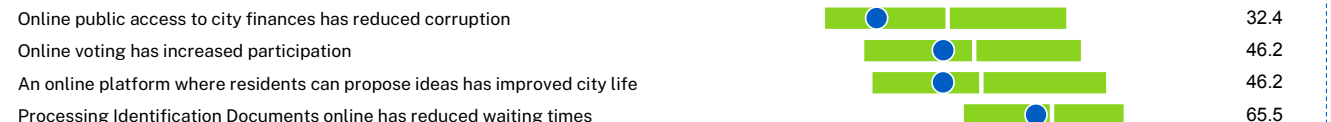
Activities



Opportunities (Work & School)



Governance



Bratislava

SMART CITY RANKING

57

Out of 146



56 in 2024
Out of 142

SMART CITY RATING

BB

BBB in 2024

FACTOR RATINGS

BB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 420,000
(UN World Urbanization Prospects)

HDI 0.945
(Global Data Lab)



Country

Slovakia

	2019	2020	2021	2022	1 yr change
HDI	0.852	0.855	0.857	0.860	+0.003
Life expectancy at birth	77.7	77.0	74.9	75.3	+0.4
Expected years of schooling	14.5	14.6	14.7	14.7	+0.0
Mean years of schooling	12.9	13.0	13.0	13.0	+0.0
GNI per capita (PPP \$)	31,292	30,589	31,553	32,171	+618

Health & Safety

- Basic sanitation meets the needs of the poorest areas
- Recycling services are satisfactory
- Public safety is not a problem
- Air pollution is not a problem
- Medical services provision is satisfactory
- Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

- Traffic congestion is not a problem
- Public transport is satisfactory

Activities

- Green spaces are satisfactory
- Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

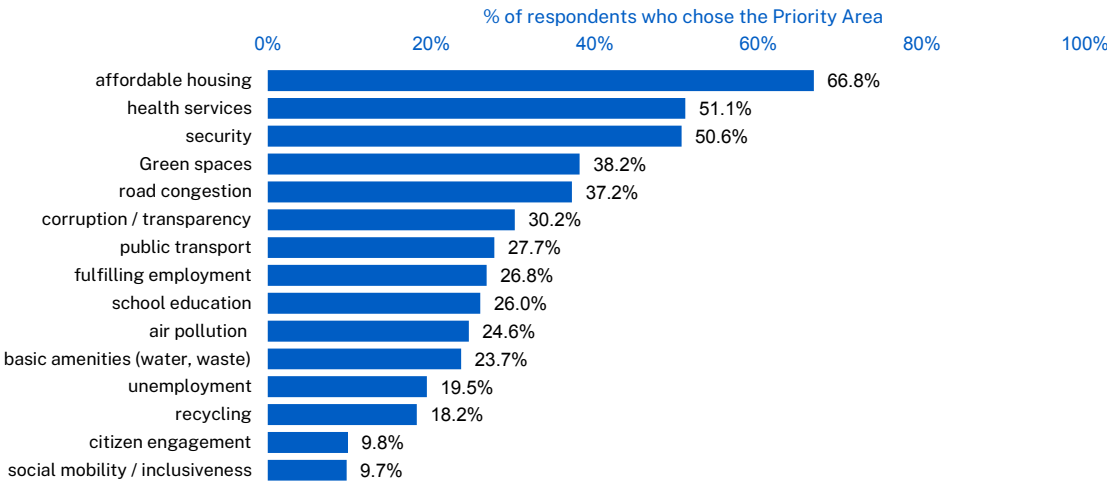
- Employment finding services are readily available
- Most children have access to a good school
- Lifelong learning opportunities are provided by local institutions
- Businesses are creating new jobs
- Minorities feel welcome

Governance

- Information on local government decisions are easily accessible
- Corruption of city officials is not an issue of concern
- Residents contribute to decision making of local government
- Residents provide feedback on local government projects

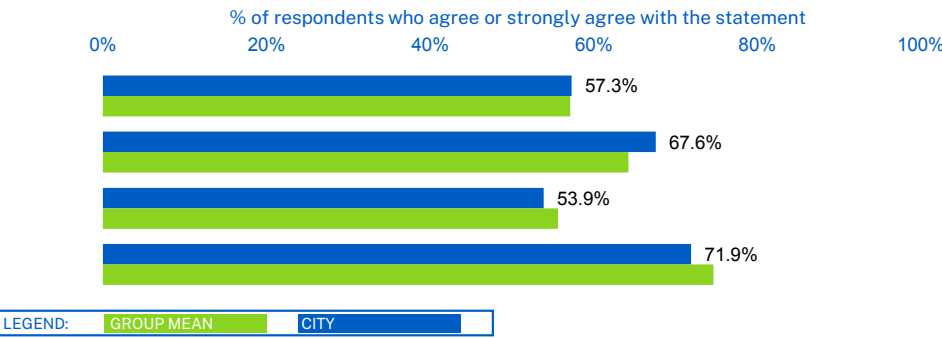
PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES

- You are willing to concede personal data in order to improve traffic congestion
- You are comfortable with face recognition technologies to lower crime
- You feel the availability of online information has increased your trust in authorities
- The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

LEGEND: MIN CITY MEAN GROUP MAX

55.4

61.9

56.6

41.6

51.2

33.0

31.0

50.6

46.4

68.9

64.1

62.7

62.1

63.5

52.5

57.8

39.2

45.5

52.2

TECHNOLOGIES

Score

Health & Safety

- Online reporting of city maintenance problems provides a speedy solution
- A website or App allows residents to easily give away unwanted items
- Free public wifi has improved access to city services
- CCTV cameras has made residents feel safer
- A website or App allows residents to effectively monitor air pollution
- Arranging medical appointments online has improved access

Mobility

- Car-sharing Apps have reduced congestion
- Apps that direct you to an available parking space have reduced journey time
- Bicycle hiring has reduced congestion
- Online scheduling and ticket sales has made public transport easier to use
- The city provides information on traffic congestion through mobile phones

Activities

- Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

- Online access to job listings has made it easier to find work
- IT skills are taught well in schools
- Online services provided by the city has made it easier to start a new business
- The current internet speed and reliability meet connectivity needs

Governance

- Online public access to city finances has reduced corruption
- Online voting has increased participation
- An online platform where residents can propose ideas has improved city life
- Processing Identification Documents online has reduced waiting times

45.3

55.9

58.3

52.2

44.7

60.2

43.3

46.3

53.6

67.1

49.3

73.3

67.0

55.2

48.2

67.8

39.0

49.4

48.3

57.5

Brisbane

SMART CITY RANKING

51

Out of 146



30 in 2024
Out of 142

SMART CITY RATING

BBB

A in 2024

FACTOR RATINGS

BBB

STRUCTURES

BB

TECHNOLOGIES

GROUP

2

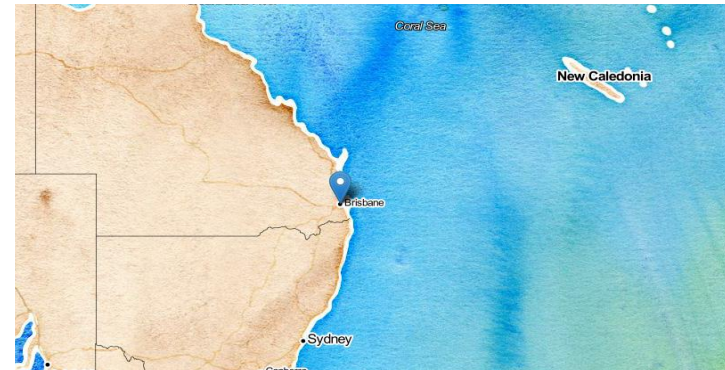
All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,540,000
(UN World Urbanization Prospects)

HDI 0.935
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

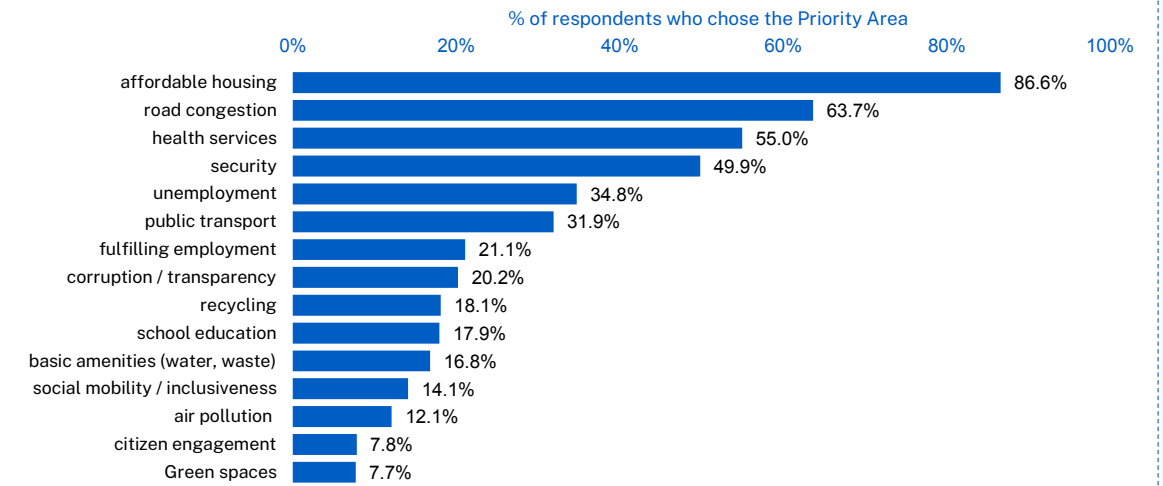
Country

Australia

	2019	2020	2021	2022	1 yr change
HDI	0.933	0.936	0.937	0.941	+0.004
Life expectancy at birth	83.1	84.3	84.5	83.6	-0.9
Expected years of schooling	21.4	20.9	21.1	21.1	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP \$)	47,054	48,075	48,076	49,257	+1,181

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



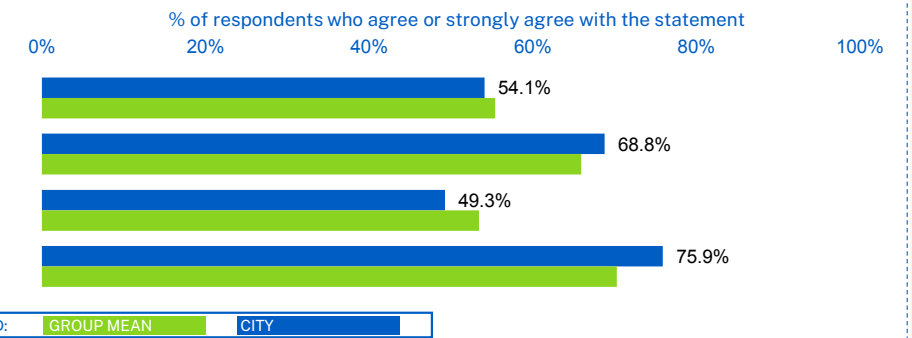
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

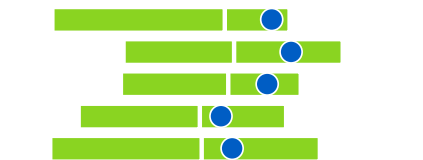
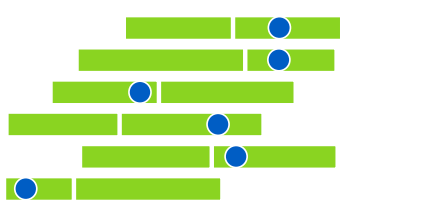
Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100



Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

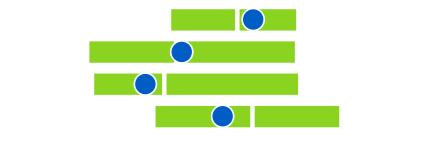
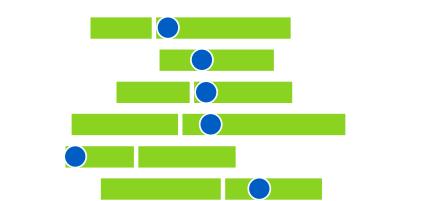
An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

TECHNOLOGIES

Score

0 20 40 60 80 100



Brussels

SMART CITY RANKING

48

Out of 146



40 in 2024
Out of 142

SMART CITY RATING

BB

BBB in 2024

FACTOR RATINGS

BBB

STRUCTURES

A

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,130,000
(UN World Urbanization Prospects)

HDI 0.960
(Global Data Lab)



Country

Belgium

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.927	0.931	0.933	+0.002
Life expectancy at birth	81.8	80.8	81.9	82.3	+0.4
Expected years of schooling	19.6	19.3	18.9	18.9	+0.0
Mean years of schooling	12.4	12.5	12.5	12.5	+0.0
GNI per capita (PPP \$)	52,490	49,491	52,299	53,644	+1,345

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

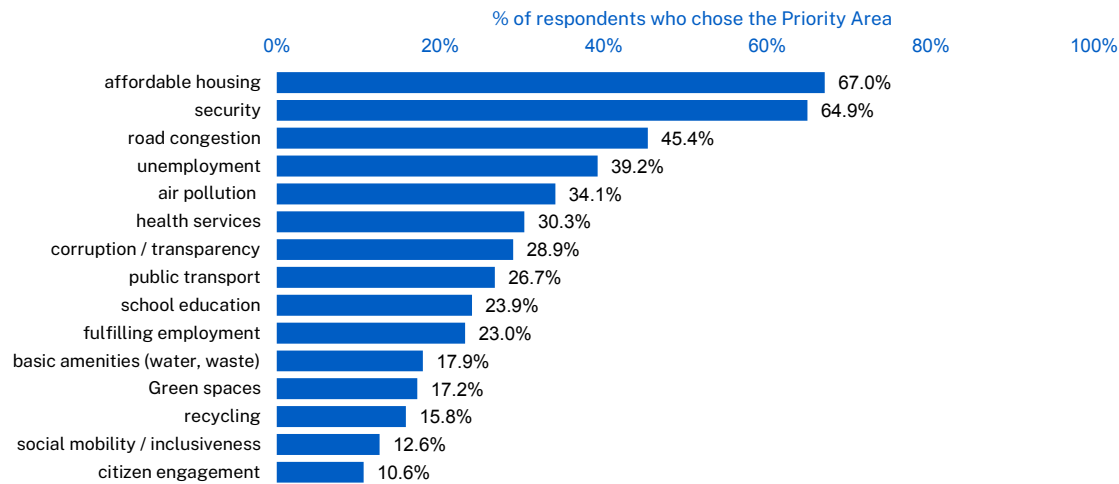
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



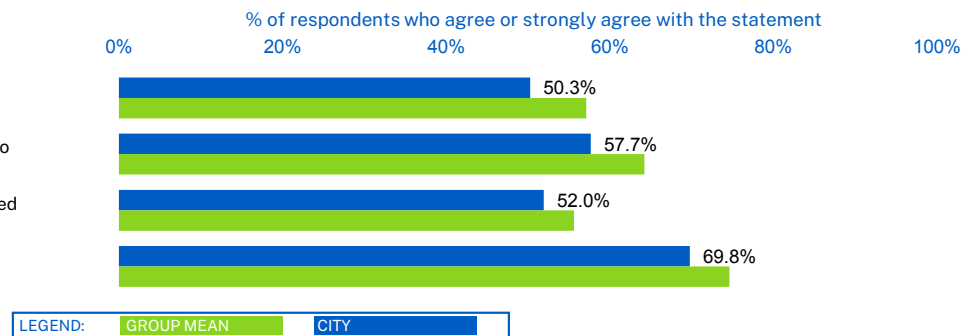
ATTITUDES

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You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN (green bar), CITY (blue dot), MEAN (green bar), GROUP MAX (green bar)

Score

0 20 40 60 80 100

51.5

61.2

34.5

27.1

62.4

25.7

24.7

54.3

69.2

75.1

65.6

56.6

60.4

52.7

52.3

50.3

36.8

38.4

46.7

TECHNOLOGIES

Score

0 20 40 60 80 100

46.6

61.0

51.6

48.0

48.4

63.1

38.2

44.6

49.0

64.6

52.4

75.6

59.2

53.7

49.2

67.9

37.3

45.6

47.8

63.2

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

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Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Bucharest

SMART CITY RANKING

78

Out of 146



100 in 2024
Out of 142

SMART CITY RATING

CCC

B in 2024

FACTOR RATINGS

BB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

2

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 1,770,000
(UN World Urbanization Prospects)

HDI 0.926
(Global Data Lab)



Country

Romania

	2019	2020	2021	2022	1 yr change
HDI	0.813	0.815	0.823	0.829	+0.006
Life expectancy at birth	76.5	75.3	74.2	74.1	-0.1
Expected years of schooling	14.4	14.5	14.5	14.5	+0.0
Mean years of schooling	11.3	11.4	11.4	11.4	+0.0
GNI per capita (PPP \$)	29,569	28,603	30,312	31,641	+1,329

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

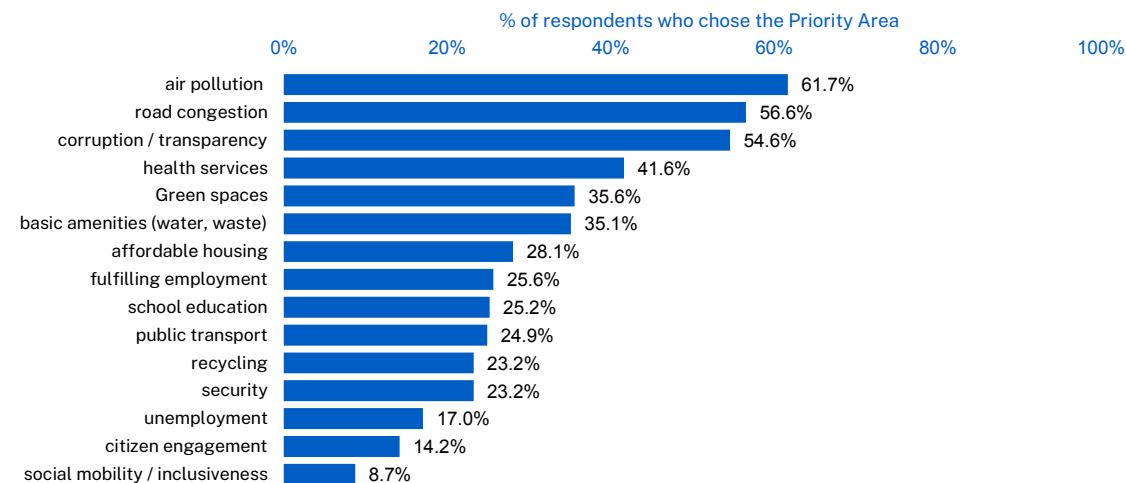
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

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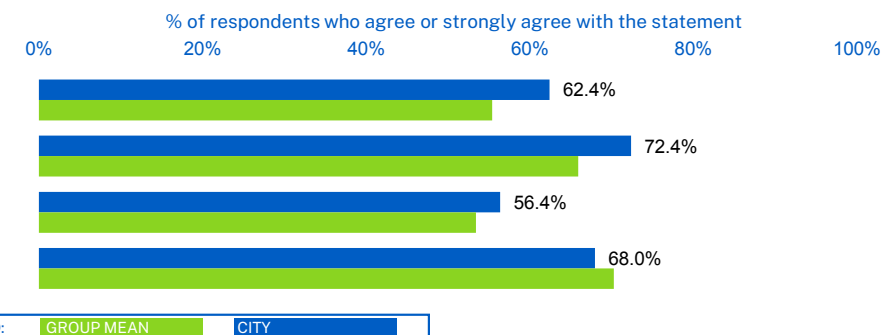
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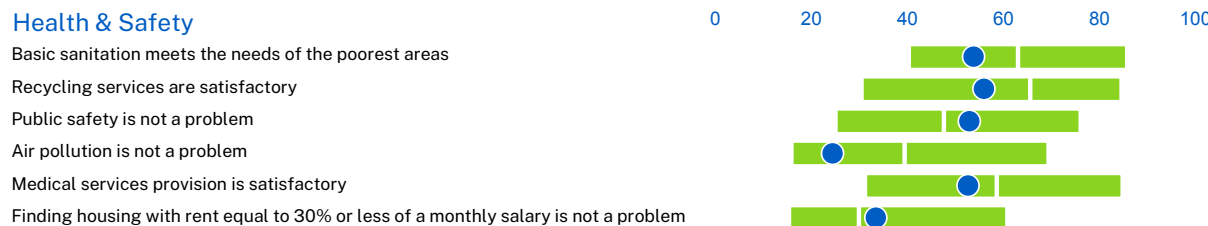
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score



Mobility

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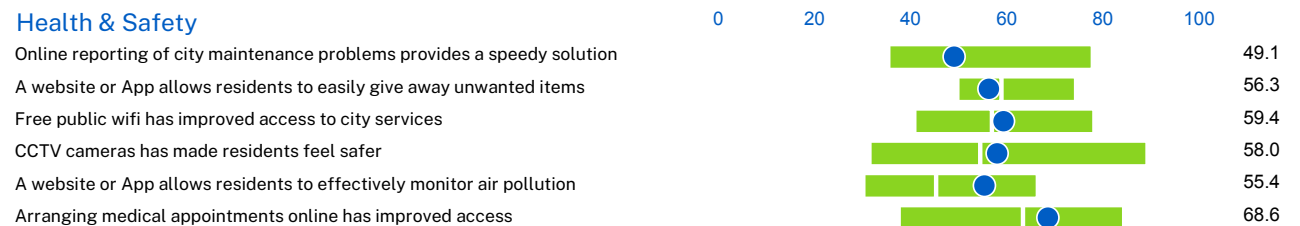
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TECHNOLOGIES

Score



Mobility

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Activities

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Budapest

SMART CITY RANKING

84

Out of 146



89 in 2024
Out of 142

SMART CITY RATING

CCC

B in 2024

FACTOR RATINGS

B

STRUCTURES

BBB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,780,000
(UN World Urbanization Prospects)

HDI 0.934
(Global Data Lab)



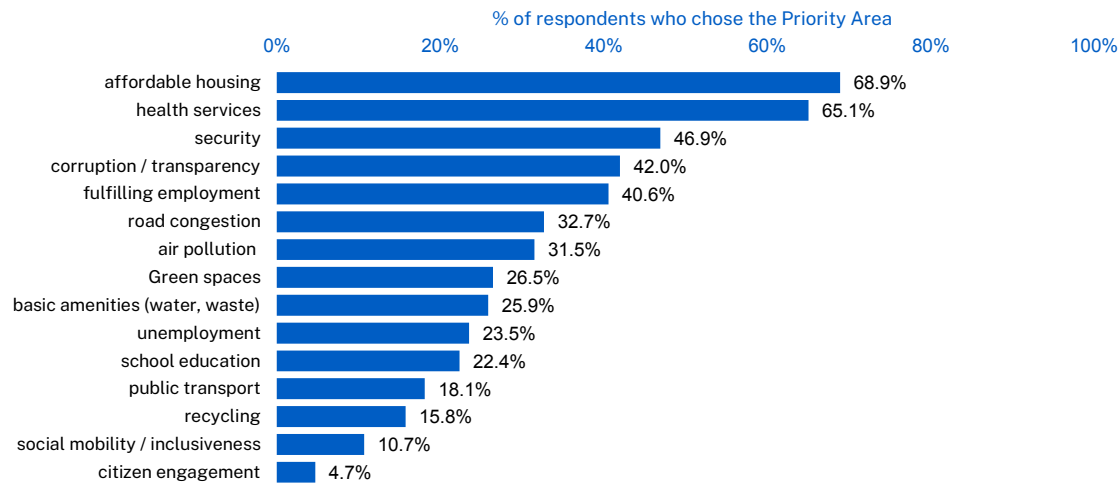
Country

Hungary

	2019	2020	2021	2022	1 yr change
HDI	0.839	0.843	0.846	0.850	+0.004
Life expectancy at birth	76.5	75.7	74.5	75.0	+0.4
Expected years of schooling	15.0	15.1	15.1	15.1	+0.0
Mean years of schooling	12.2	12.2	12.2	12.2	+0.0
GNI per capita (PPP \$)	31,790	30,483	32,610	34,196	+1,586

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



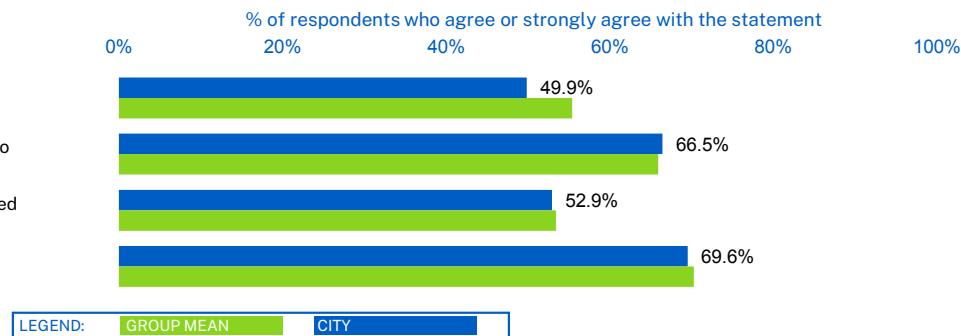
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

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Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

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Mobility

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Activities

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Minorities feel welcome

Governance

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Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

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Activities

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Opportunities (Work & School)

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The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Buenos Aires

SMART
CITY
RANKING

131

Out of 146



123 in 2024
Out of 142

SMART
CITY RATING

C

C in 2024

FACTOR
RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 15,620,000
(UN World Urbanization Prospects)

HDI 0.851
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

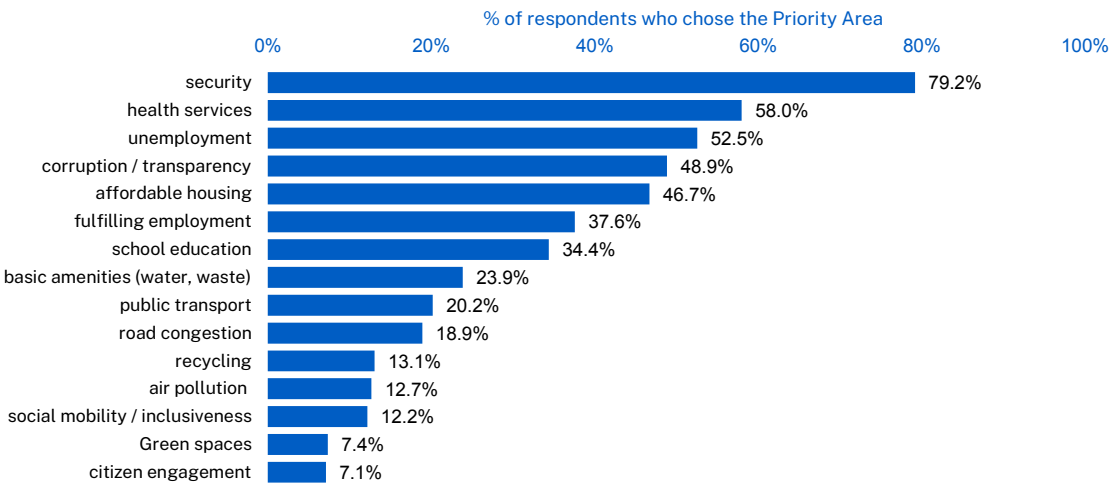
Country

Argentina

	2019	2020	2021	2022	1 yr change
HDI	0.850	0.848	0.853	0.852	-0.001
Life expectancy at birth	77.3	75.9	75.4	76.1	+0.7
Expected years of schooling	18.1	18.4	19.0	19.0	+0.0
Mean years of schooling	11.1	11.1	11.1	11.1	+0.0
GNI per capita (PPP \$)	21,205	19,183	21,093	22,048	+954

PRIORITY AREAS

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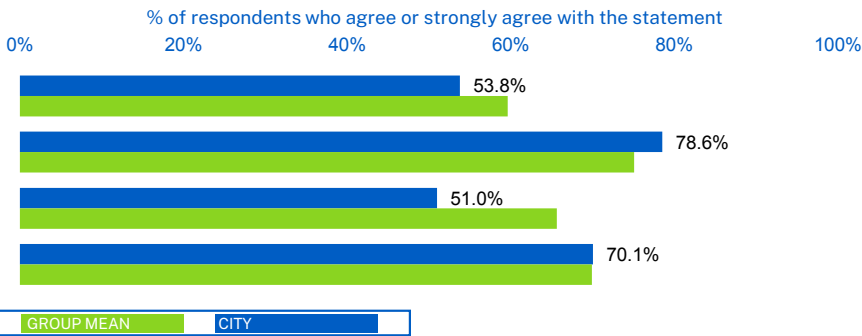
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

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Minorities feel welcome

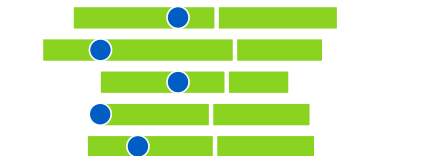
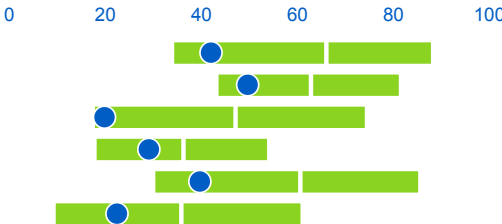
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

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Mobility

Car-sharing Apps have reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

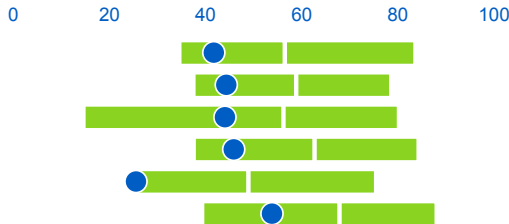
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Busan

SMART
CITY
RANKING

60

Out of 146



45 in 2024
Out of 142

SMART
CITY RATING

B

BB in 2024

FACTOR
RATINGS

BB

STRUCTURES

A

TECHNOLOGIES

GROUP

2

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 3,480,000
(UN World Urbanization Prospects)

HDI 0.926
(Global Data Lab)



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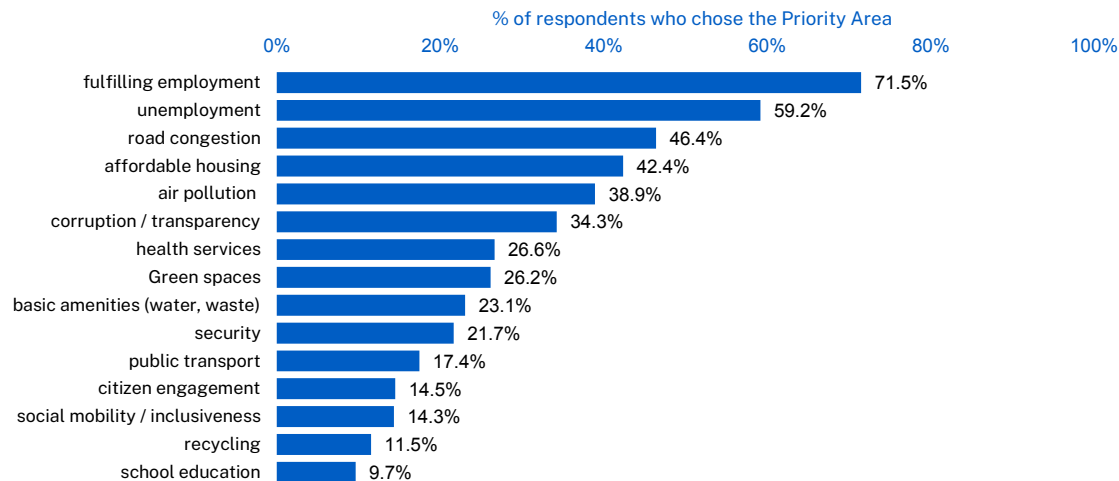
Country

Korea (Republic of)

	2019	2020	2021	2022	1 yr change
HDI	0.908	0.912	0.915	0.918	+0.003
Life expectancy at birth	83.7	83.6	83.7	84.0	+0.3
Expected years of schooling	16.4	16.4	16.5	16.5	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP \$)	43,117	42,757	44,710	46,026	+1,317

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



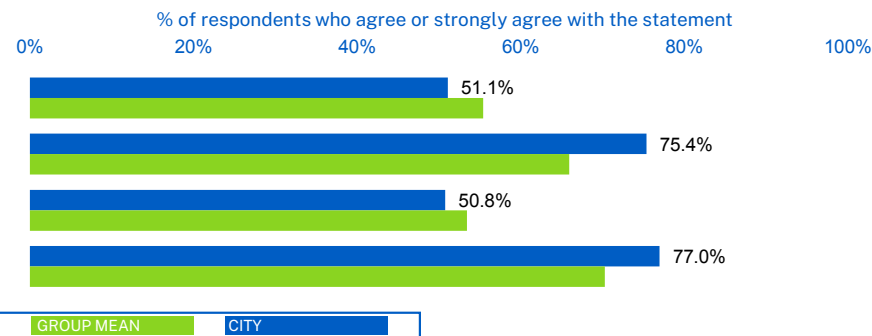
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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

76.2

74.4

70.6

26.4

67.9

43.0

26.9

67.7

56.5

50.5

57.7

59.4

61.8

33.9

25.2

55.1

28.8

45.7

46.3

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

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Governance

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An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

57.5

64.4

76.2

82.0

66.5

68.0

37.0

41.5

35.7

71.9

74.9

72.7

62.0

60.3

48.4

78.4

40.4

48.5

54.0

77.1

Cairo

SMART CITY RANKING

117

Out of 146



114 in 2024
Out of 142

SMART CITY RATING

C

C in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 22,620,000
(UN World Urbanization Prospects)

HDI 0.777
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

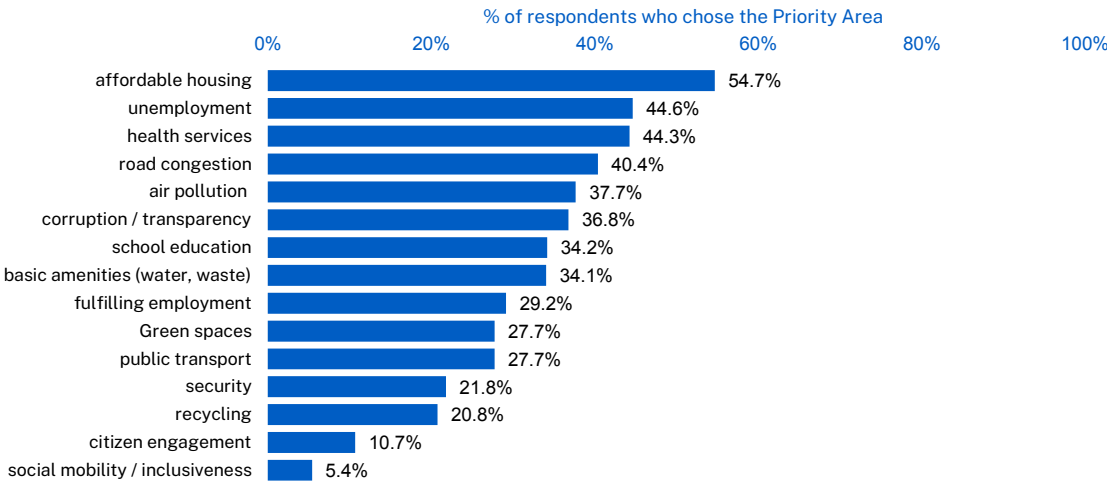
Country

Egypt

	2019	2020	2021	2022	1 yr change
HDI	0.695	0.702	0.709	0.717	+0.008
Life expectancy at birth	71.4	71.0	70.2	70.2	-0.1
Expected years of schooling	12.7	12.9	12.9	12.9	+0.0
Mean years of schooling	9.6	9.8	9.8	9.8	+0.0
GNI per capita (PPP \$)	11,376	11,637	11,827	12,361	+534

PRIORITY AREAS

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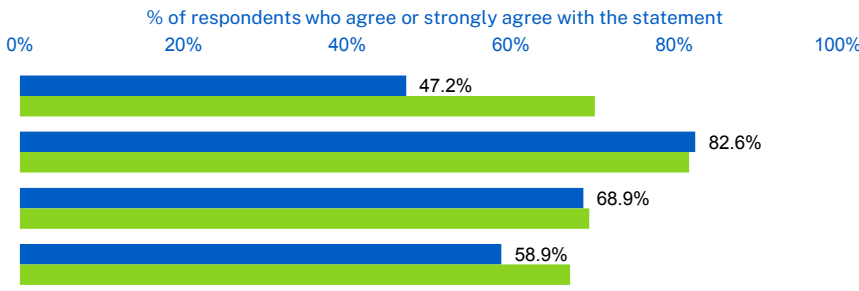
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

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Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Canberra

SMART CITY RANKING

8

Out of 146



3 in 2024
Out of 142

SMART CITY RATING

AAA

AA in 2024

FACTOR RATINGS

AAA

STRUCTURES

A

TECHNOLOGIES

GROUP

1

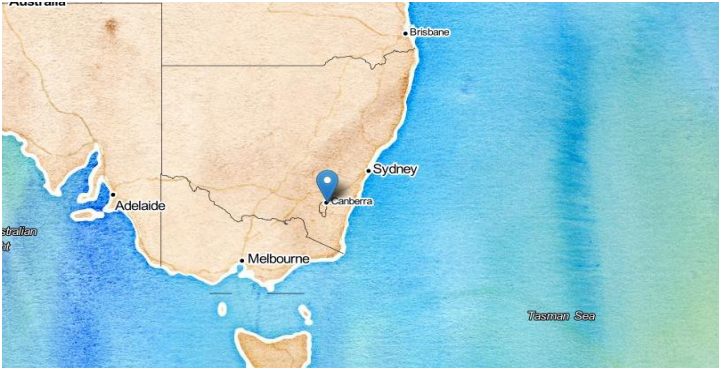
All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 370,000
(UN World Urbanization Prospects)

HDI 0.976
(Global Data Lab)



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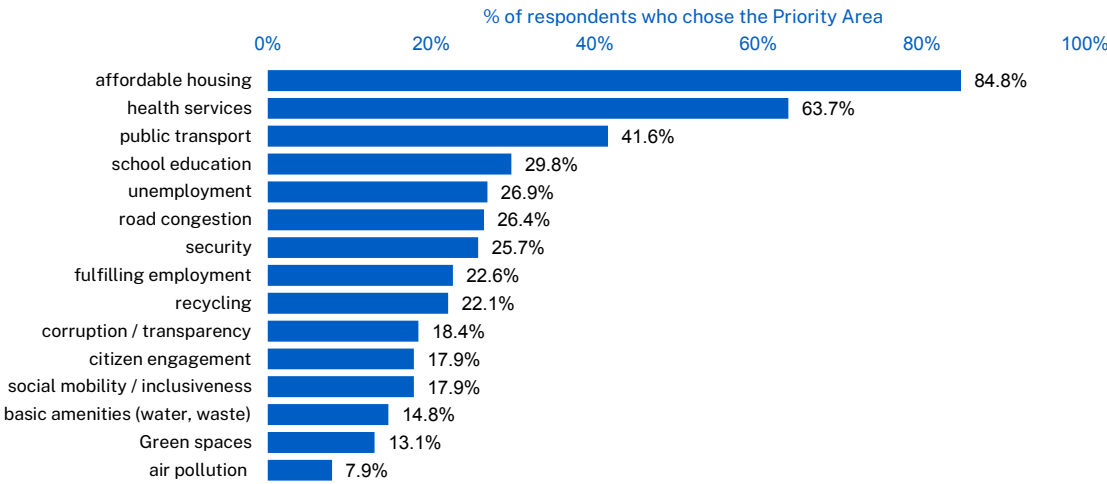
Country

Australia

	2019	2020	2021	2022	1 yr change
HDI	0.933	0.936	0.937	0.941	+0.004
Life expectancy at birth	83.1	84.3	84.5	83.6	-0.9
Expected years of schooling	21.4	20.9	21.1	21.1	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP \$)	47,054	48,075	48,076	49,257	+1,181

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



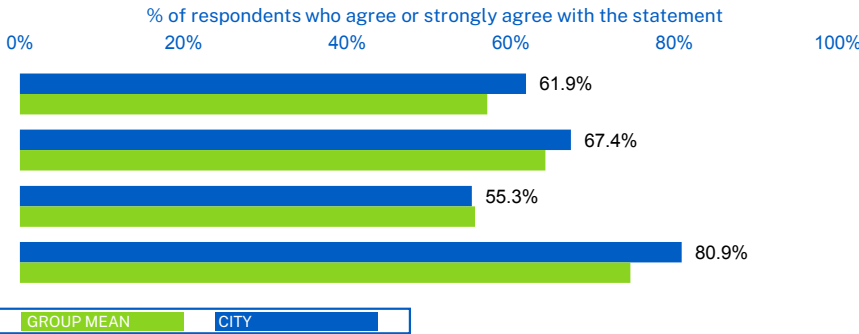
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STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

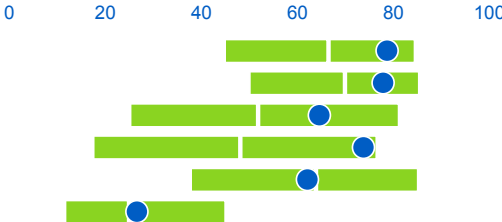
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Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

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Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



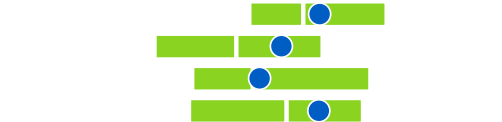
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

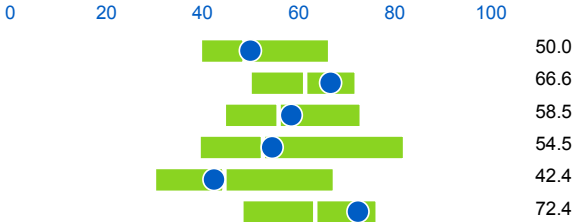
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Mobility

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The city provides information on traffic congestion through mobile phones



Activities

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Cape Town

SMART
CITY
RANKING

124

Out of 146



129 in 2024
Out of 142

SMART
CITY RATING

C

D in 2024

FACTOR
RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

4

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 4,980,000
(UN World Urbanization Prospects)

HDI 0.755
(Global Data Lab)



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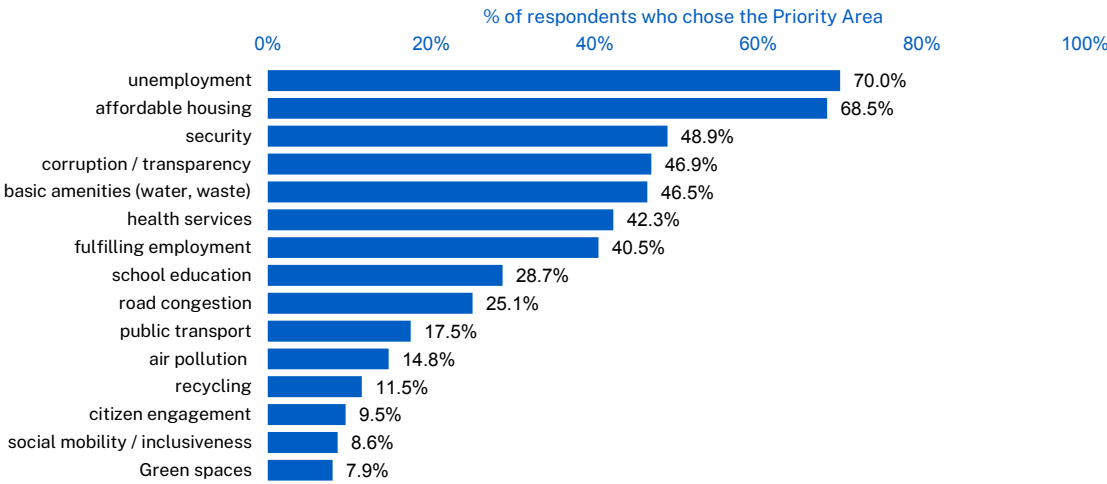
Country

South Africa

	2019	2020	2021	2022	1 yr change
HDI	0.721	0.711	0.725	0.731	+0.006
Life expectancy at birth	66.2	65.3	62.3	61.5	-0.9
Expected years of schooling	14.2	14.0	14.3	14.3	+0.0
Mean years of schooling	11.4	10.6	11.6	11.6	+0.0
GNI per capita (PPP \$)	13,506	12,598	13,048	13,186	+138

PRIORITY AREAS

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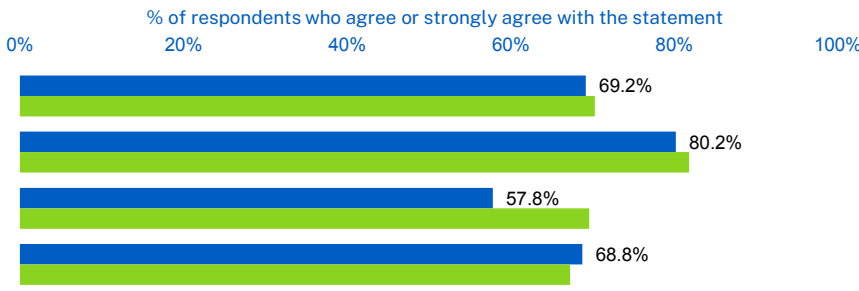
ATTITUDES

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LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

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Mobility

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Activities

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Businesses are creating new jobs

Minorities feel welcome

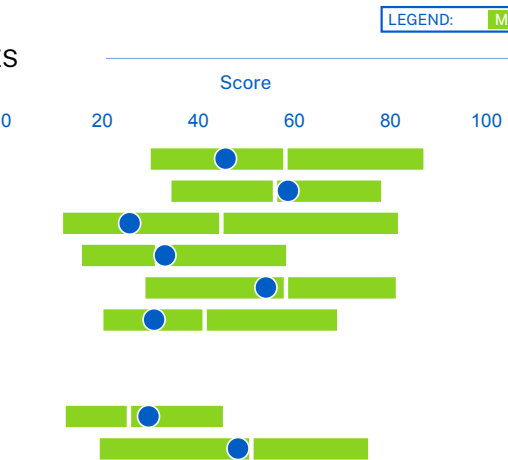
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Governance

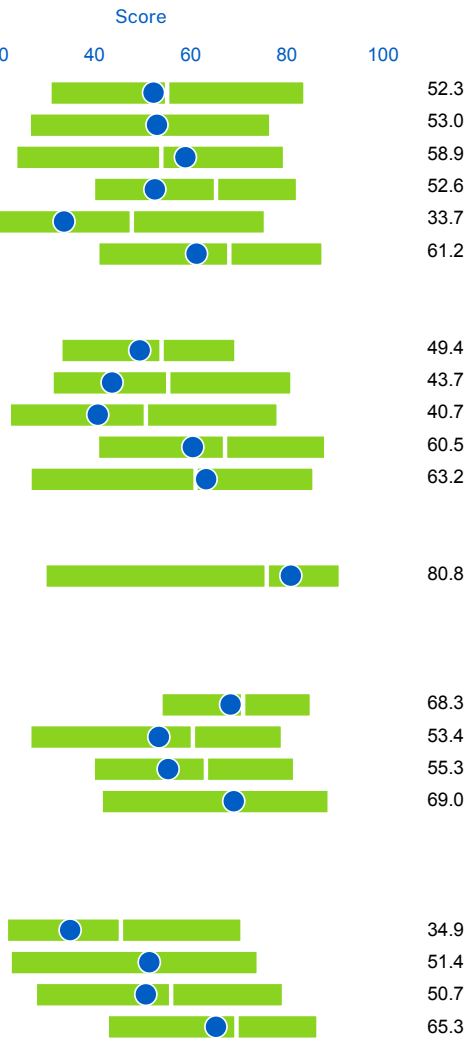
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An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

TECHNOLOGIES



Caracas

SMART
CITY
RANKING

140

Out of 146

not in 2024

SMART
CITY RATING

D

not in 2024

FACTOR
RATINGS

D

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 2,990,000
(UN World Urbanization Prospects)

HDI 0.743
(Global Data Lab)



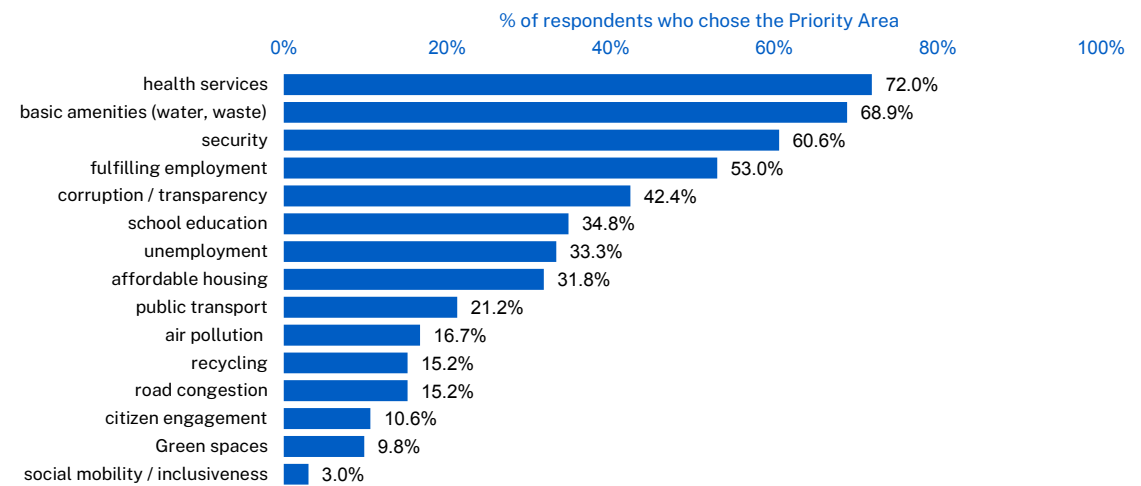
Country

Venezuela (Bolivarian Republic of)

	2019	2020	2021	2022	1 yr change
HDI	0.766	0.759	0.750	0.738	-0.012
Life expectancy at birth	72.2	71.1	70.6	71.1	+0.6
Expected years of schooling	13.6	13.5	13.5	13.5	+0.0
Mean years of schooling	9.9	9.6	9.6	9.6	+0.0
GNI per capita (PPP \$)	7,837	5,460	5,587	6,184	+597

PRIORITY AREAS

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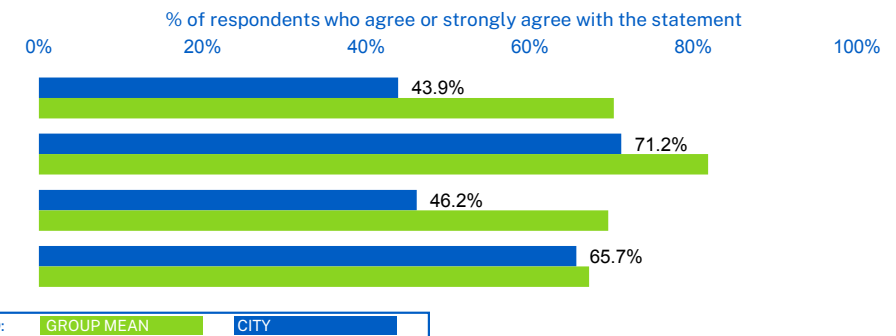
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STRUCTURES

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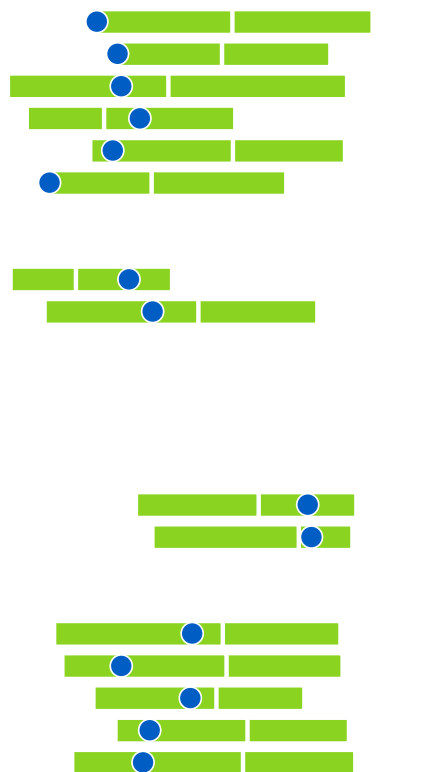
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Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100



TECHNOLOGIES

Health & Safety

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The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

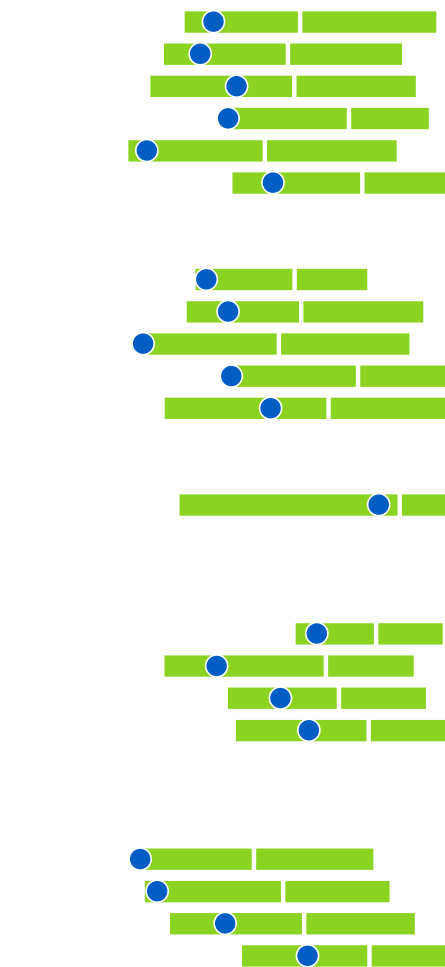
Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100



Cardiff

SMART CITY RANKING

89

Out of 146



92 in 2024
Out of 142

SMART CITY RATING

B

CC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 450,000
(UN World Urbanization Prospects)

HDI 0.910
(Global Data Lab)



Country

United Kingdom

	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	47,066	40,799	44,750	46,624	+1,874

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

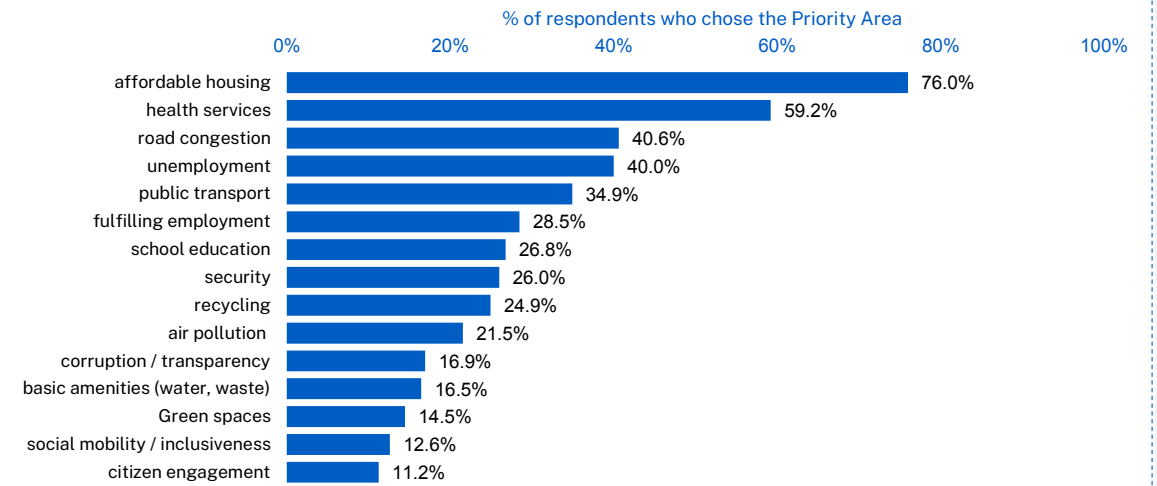
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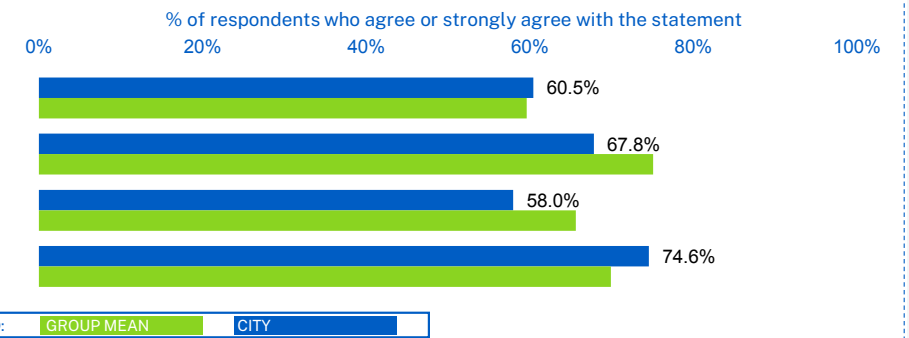
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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

65.4

67.3

47.2

46.4

51.2

25.8

23.2

51.5

71.6

78.0

65.3

68.7

66.1

57.4

68.4

60.1

45.9

45.7

57.3

TECHNOLOGIES

Score

0 20 40 60 80 100

46.1

62.2

56.7

57.5

31.9

45.1

32.9

32.5

39.5

58.8

43.7

71.9

68.1

56.1

48.8

68.2

39.8

51.7

39.5

50.4

Chengdu

SMART CITY RANKING

76

Out of 146



93 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 9,830,000
(UN World Urbanization Prospects)

HDI 0.762
(Global Data Lab)



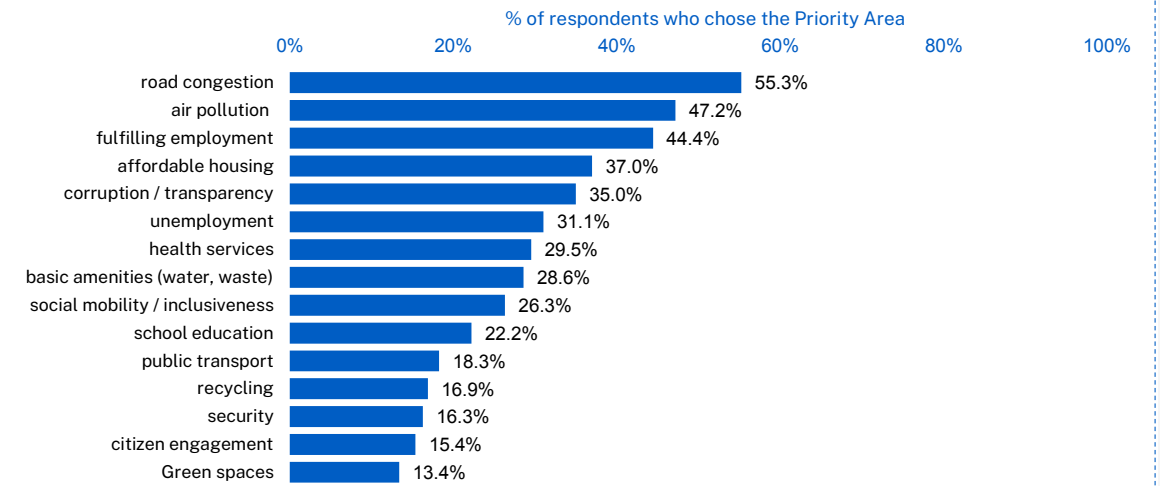
Country

China

	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP \$)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



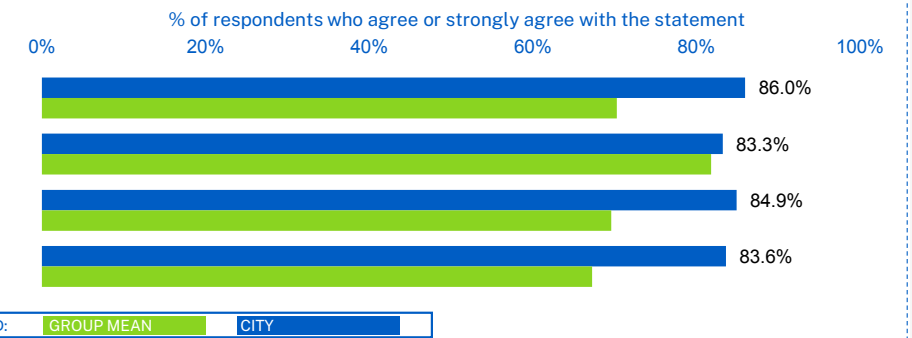
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

81.1

78.6

71.2

56.6

79.8

63.1

40.3

68.8

84.0

81.7

79.0

77.1

64.6

72.9

80.7

74.3

53.4

61.7

71.3

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

80.6

75.4

75.8

73.5

72.1

87.6

64.6

76.3

76.5

87.0

83.6

88.7

82.8

75.1

73.1

85.2

67.9

73.9

78.7

81.1

Chicago

SMART
CITY
RANKING

79

Out of 146



67 in 2024
Out of 142

SMART
CITY RATING

B

BB in 2024

FACTOR
RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

2

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 2,640,000
(UN World Urbanization Prospects)

HDI 0.932
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

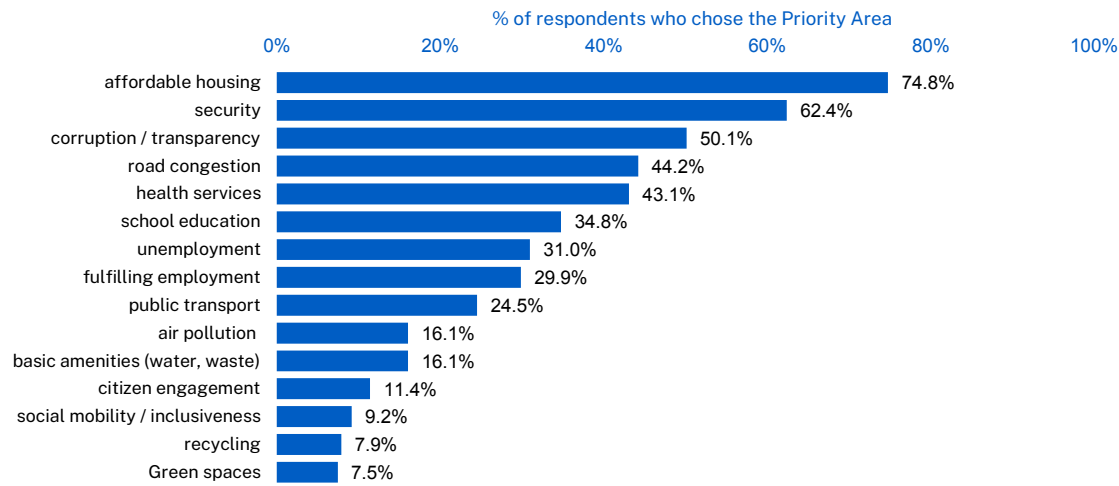
Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



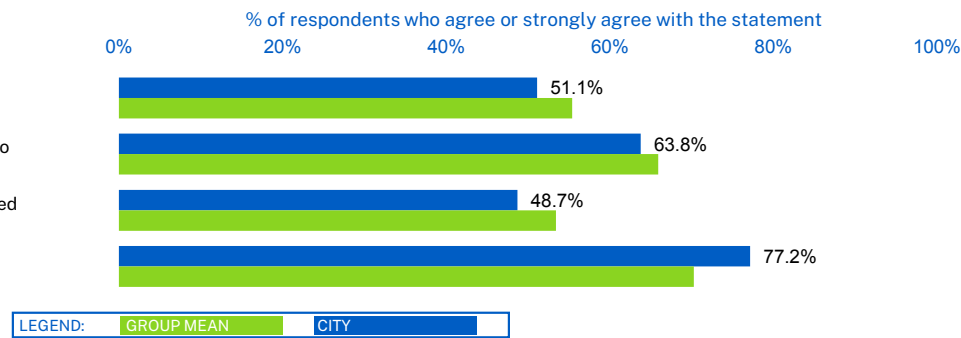
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STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

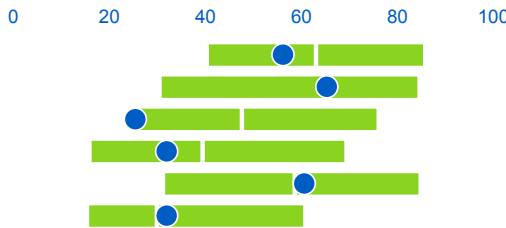
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



56.2

65.3

25.4

32.0

60.6

32.0

Mobility

Traffic congestion is not a problem

Public transport is satisfactory



21.6

49.9

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



62.4

81.2

Opportunities (Work & School)

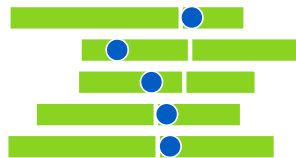
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



63.7

48.1

55.2

58.4

59.1

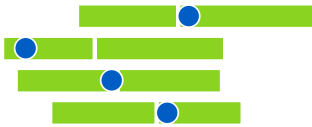
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



59.7

25.7

43.6

55.2

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

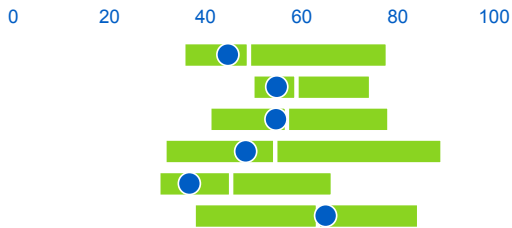
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



44.6

54.8

54.7

48.4

36.7

65.0

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



43.0

51.9

46.8

61.5

59.9

Activities

Online purchasing of tickets to shows and museums has made it easier to attend



75.0

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



64.0

46.1

45.6

64.6

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



34.3

56.2

44.3

57.4

Chongqing

SMART CITY RANKING

69

Out of 146



82 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 17,770,000
(UN World Urbanization Prospects)

HDI 0.795
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

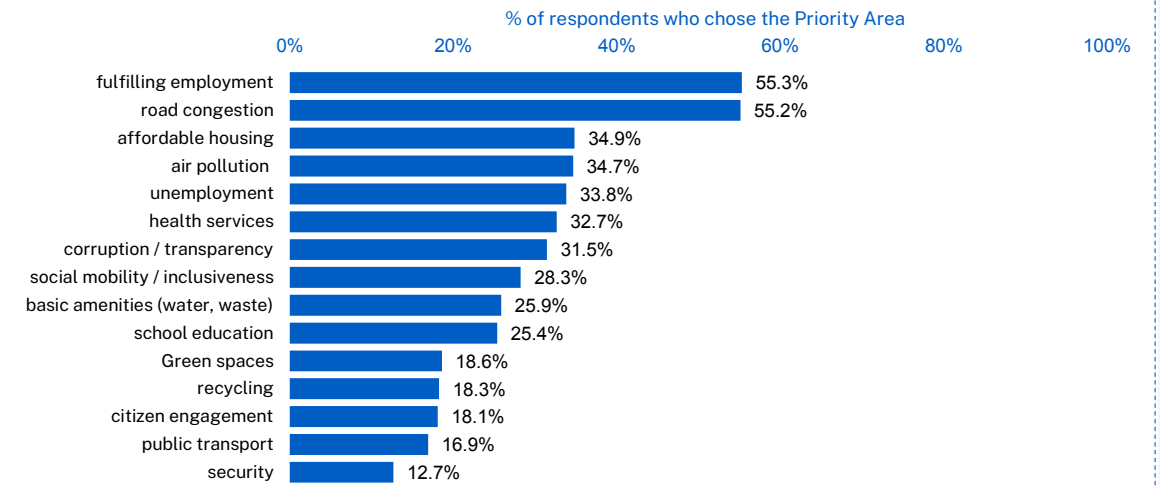
Country

China

	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP \$)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



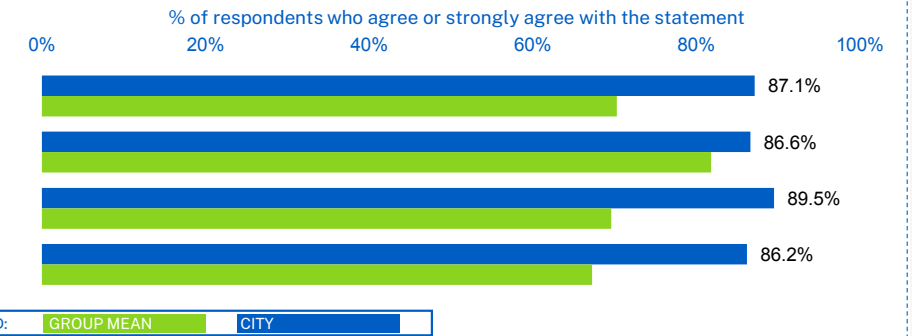
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

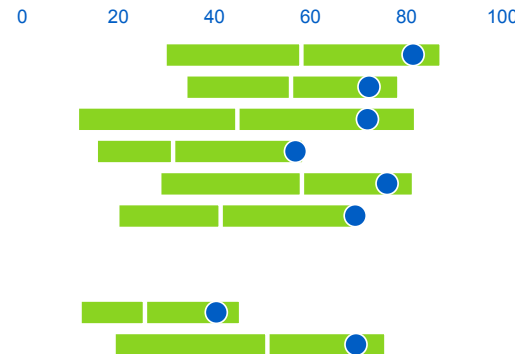
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score



81.4

72.3

71.9

56.9

76.0

69.3

40.4

69.5

81.7

80.2

76.6

78.0

62.4

71.2

83.7

75.2

55.8

59.5

70.6

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

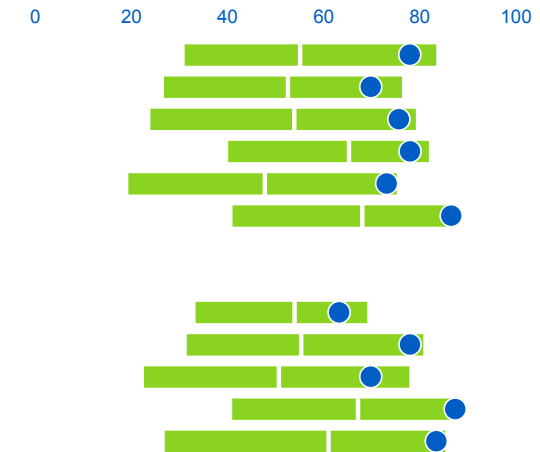
Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score



77.9

69.8

75.7

78.0

73.2

86.6

63.2

78.0

69.8

87.4

83.4

87.4

79.3

76.6

70.2

84.9

69.8

69.9

78.9

82.0

Copenhagen

SMART CITY RANKING

7

Out of 146



6 in 2024
Out of 142

SMART CITY RATING

AAA

AA in 2024

FACTOR RATINGS

AAA

STRUCTURES

AA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,390,000
(UN World Urbanization Prospects)

HDI 0.970
(Global Data Lab)



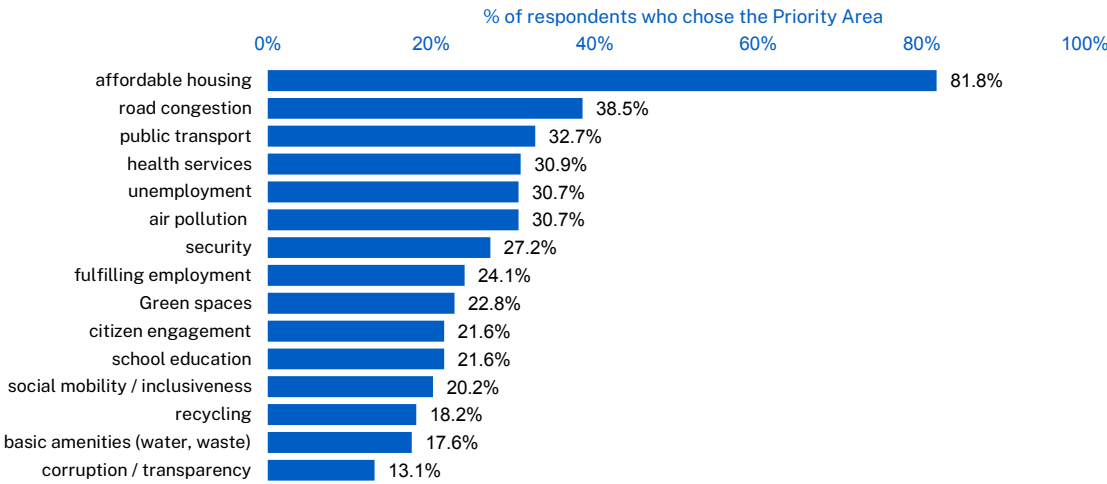
Country

Denmark

	2019	2020	2021	2022	1 yr change
HDI	0.936	0.943	0.944	0.942	-0.002
Life expectancy at birth	81.4	81.5	81.4	81.9	+0.5
Expected years of schooling	18.6	18.6	18.8	18.8	+0.0
Mean years of schooling	12.9	13.0	13.0	13.0	+0.0
GNI per capita (PPP \$)	58,454	57,324	59,993	62,019	+2,026

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



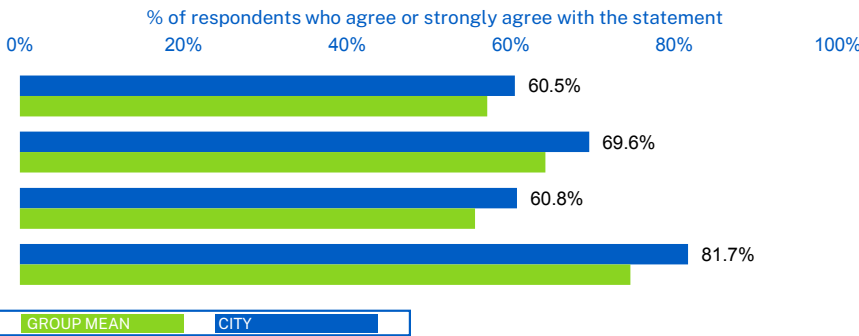
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

Health & Safety

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The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

SMART CITY RANKING

104

Out of 146



106 in 2024
Out of 142

SMART CITY RATING

CC

CC in 2024

FACTOR RATINGS

CC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 33,810,000
(UN World Urbanization Prospects)

HDI 0.734
(Global Data Lab)



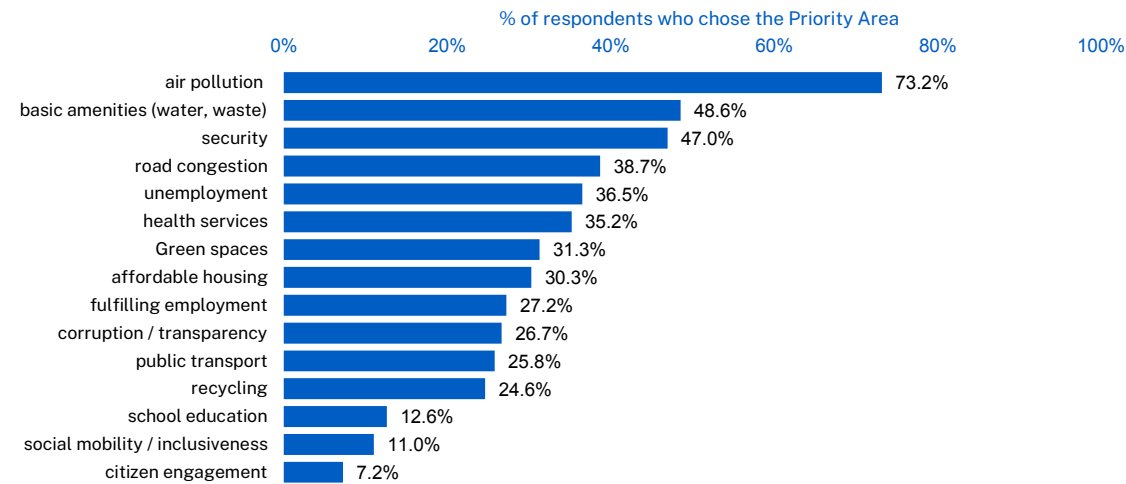
Country

India

	2019	2020	2021	2022	1 yr change
HDI	0.619	0.630	0.636	0.636	+0.000
Life expectancy at birth	70.9	70.2	67.2	67.7	+0.5
Expected years of schooling	11.4	11.7	12.0	12.6	+0.6
Mean years of schooling	6.3	6.5	6.5	6.6	+0.0
GNI per capita (PPP \$)	6,554	6,090	6,542	6,951	+408

PRIORITY AREAS

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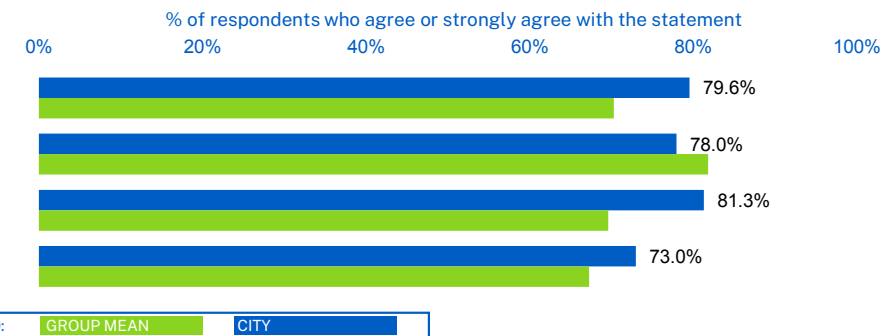
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

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Medical services provision is satisfactory

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Mobility

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Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

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Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Denver

SMART CITY RANKING

68

Out of 146



66 in 2024
Out of 142

SMART CITY RATING

BB

BBB in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 680,000
(UN World Urbanization Prospects)

HDI 0.952
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

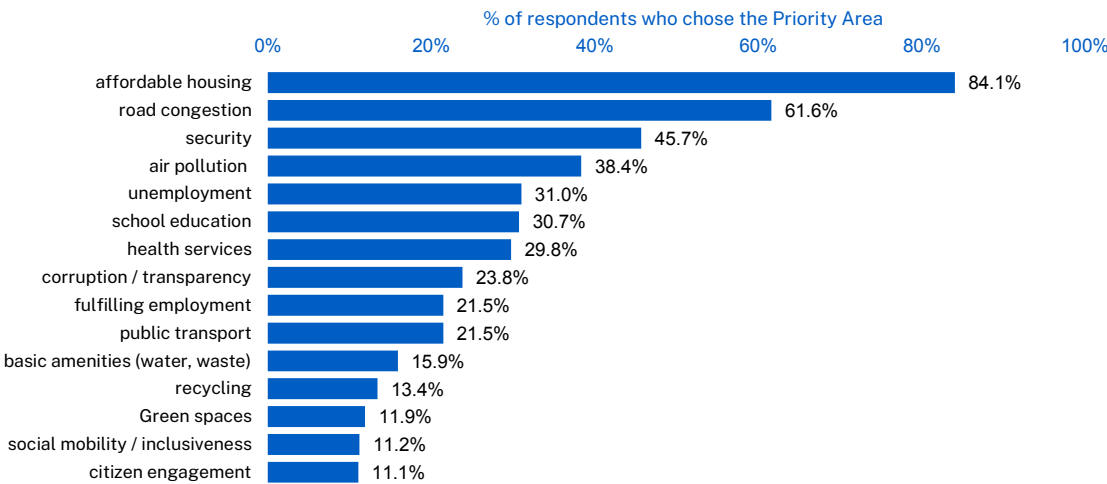
Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

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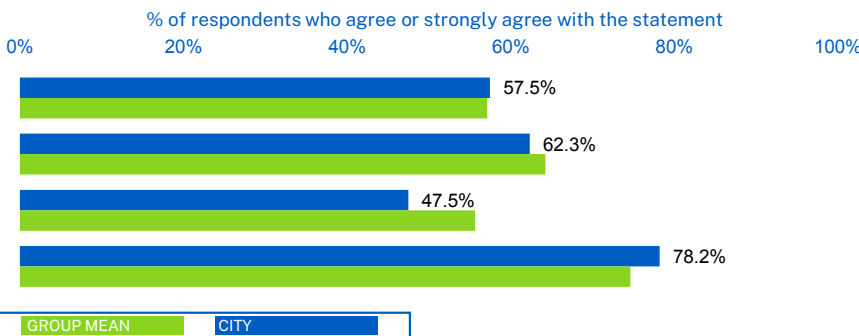
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STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

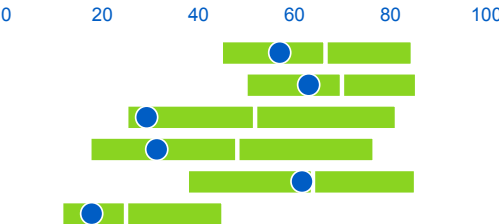
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Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

Employment finding services are readily available

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Businesses are creating new jobs

Minorities feel welcome



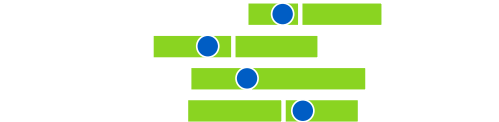
Governance

Information on local government decisions are easily accessible

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Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

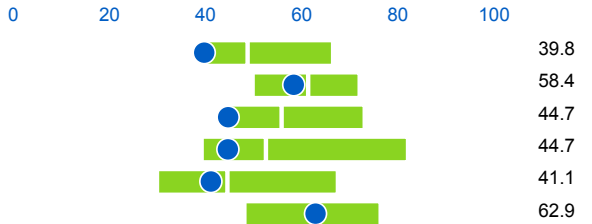
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Mobility

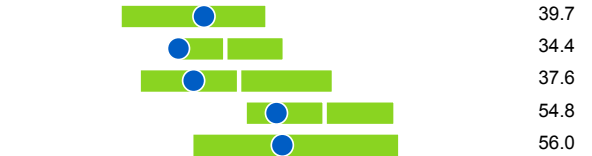
Car-sharing Apps have reduced congestion

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The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Doha

SMART CITY RANKING

33

Out of 146



48 in 2024
Out of 142

SMART CITY RATING

BB

B in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,950,000
(UN World Urbanization Prospects)

HDI 0.875
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

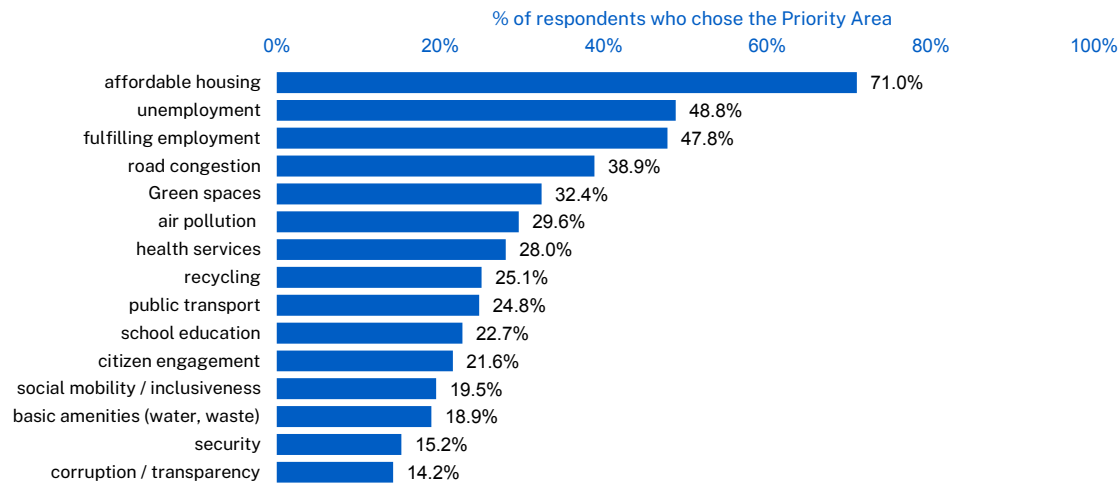
Country

Qatar

	2019	2020	2021	2022	1 yr change
HDI	0.852	0.853	0.862	0.866	+0.004
Life expectancy at birth	81.0	79.1	79.3	81.6	+2.3
Expected years of schooling	13.2	13.3	13.3	13.3	+0.0
Mean years of schooling	10.0	10.1	10.1	10.1	+0.0
GNI per capita (PPP \$)	88,647	87,385	91,760	95,944	+4,184

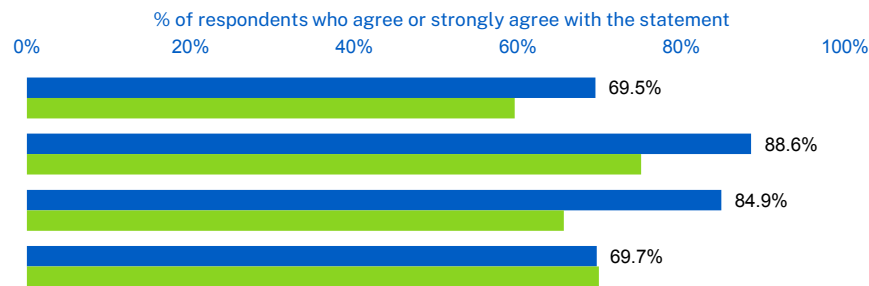
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ATTITUDES

You are willing to concede personal data in order to improve traffic congestion



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

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Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Dubai

SMART CITY RANKING

4

Out of 146



12 in 2024
Out of 142

SMART CITY RATING

A

BB in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 3,050,000
(UN World Urbanization Prospects)

HDI 0.937
(Global Data Lab)



Country

United Arab Emirates

	2019	2020	2021	2022	1 yr change
HDI	0.860	0.866	0.898	0.917	+0.019
Life expectancy at birth	79.7	78.9	78.7	79.2	+0.5
Expected years of schooling	16.8	17.2	17.2	17.2	+0.0
Mean years of schooling	12.7	12.7	12.8	12.8	+0.0
GNI per capita (PPP \$)	72,131	67,353	69,550	74,104	+4,553

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

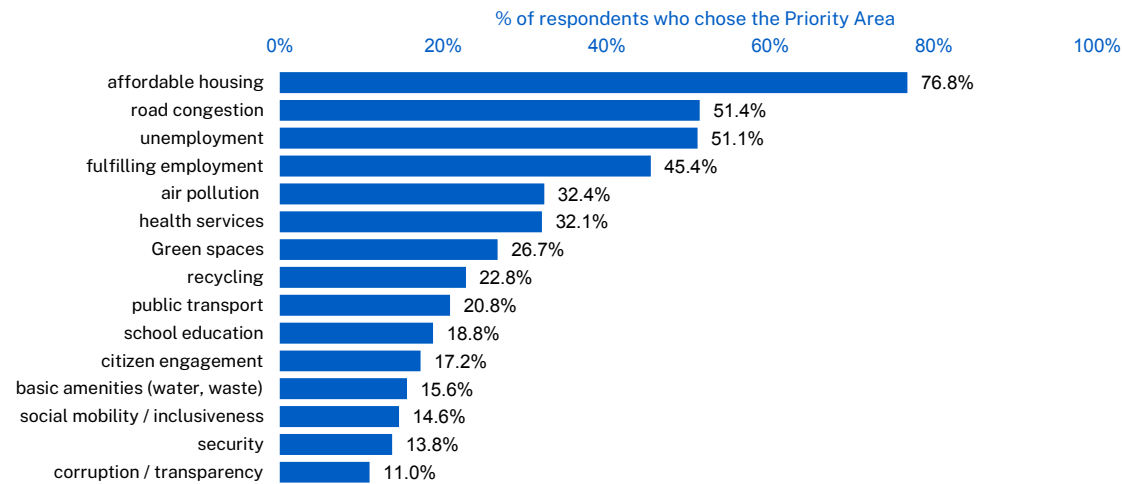
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Residents provide feedback on local government projects

PRIORITY AREAS

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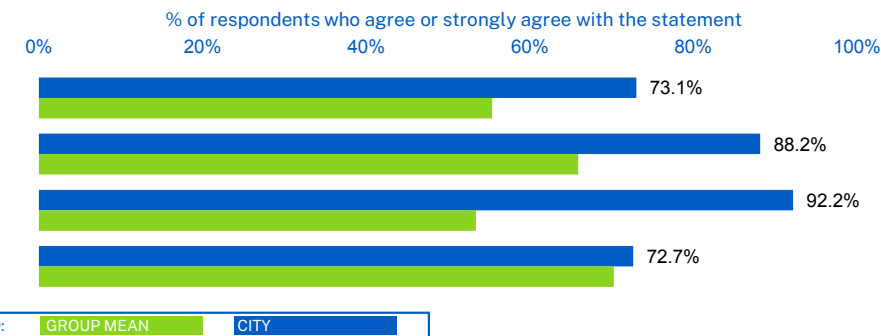
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

80.9

84.3

66.2

46.8

82.8

45.8

34.7

79.1

83.4

86.5

63.7

75.7

70.1

74.1

80.6

86.8

67.3

63.0

70.9

TECHNOLOGIES

Score

0 20 40 60 80 100

78.0

74.5

78.3

89.3

60.5

84.5

69.7

73.8

70.0

80.8

81.2

88.3

77.5

76.8

79.5

86.5

73.5

68.3

75.0

85.4

Dublin

SMART CITY RANKING

66

Out of 146



69 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

BB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,280,000
(UN World Urbanization Prospects)

HDI 0.954
(Global Data Lab)



Country

Ireland

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.929	0.934	0.938	+0.004
Life expectancy at birth	82.3	82.5	82.0	82.7	+0.7
Expected years of schooling	18.9	18.8	19.1	19.1	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP \$)	67,652	69,109	78,953	87,468	+8,515

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

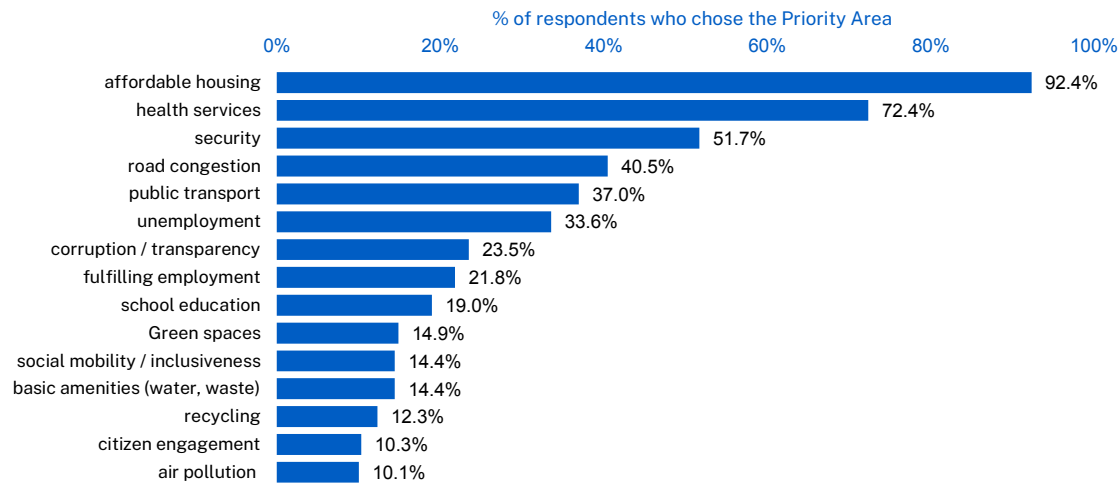
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



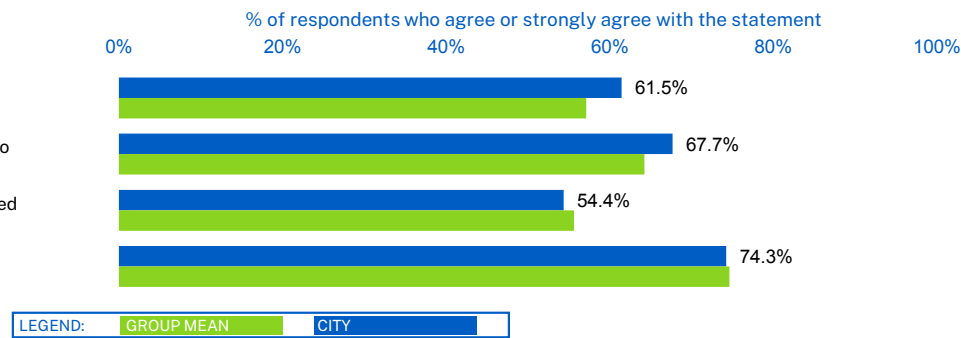
ATTITUDES

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You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

60.3

65.9

30.5

44.5

37.9

12.6

22.2

43.6

58.8

70.2

68.1

65.3

64.1

64.3

51.1

54.0

35.6

41.6

52.3

TECHNOLOGIES

Score

0 20 40 60 80 100

41.6

64.2

55.0

50.9

34.2

48.4

35.2

40.6

52.8

61.5

53.4

79.1

72.3

54.4

48.6

72.4

39.1

41.9

43.7

65.0

Dusseldorf

SMART CITY RANKING

45

Out of 146



44 in 2024
Out of 142

SMART CITY RATING

BBB

BB in 2024

FACTOR RATINGS

BBB

STRUCTURES

BB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 570,000
(UN World Urbanization Prospects)

HDI 0.946
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

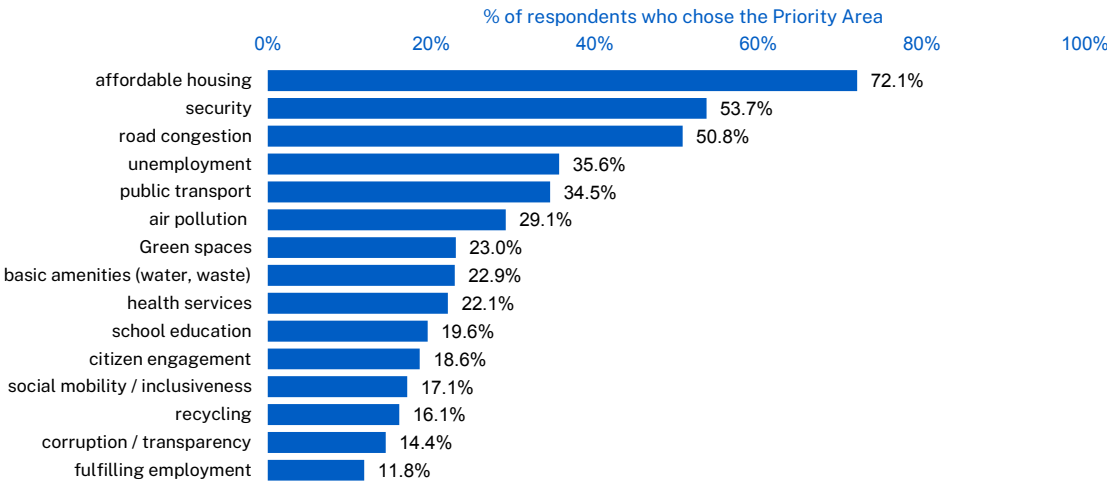
Country

Germany

	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP \$)	55,685	53,375	55,057	55,340	+284

PRIORITY AREAS

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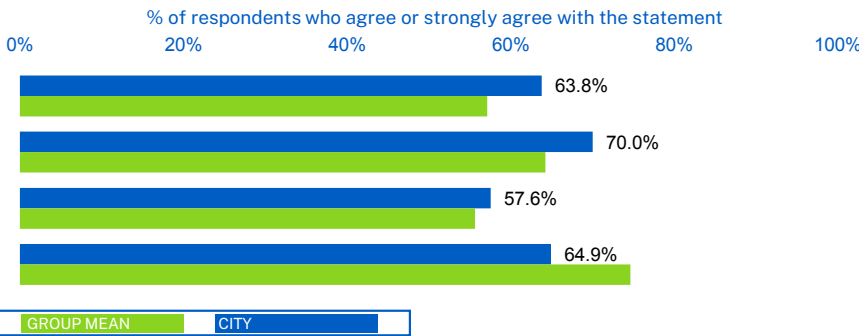
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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

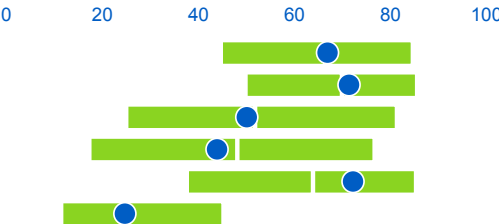
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

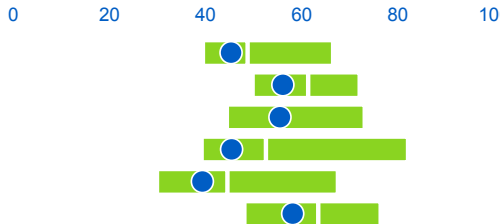
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

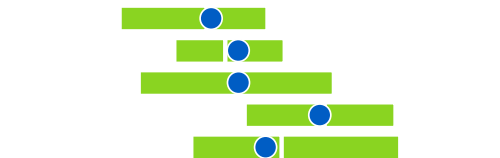
Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Geneva

SMART CITY RANKING

3

Out of 146



4 in 2024
Out of 142

SMART CITY RATING

AAA

AAA in 2024

FACTOR RATINGS

AAA

STRUCTURES

AAA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 180,000
(UN World Urbanization Prospects)

HDI 0.973
(Global Data Lab)



Country

Switzerland

	2019	2020	2021	2022	1 yr change
HDI	0.952	0.954	0.955	0.957	+0.002
Life expectancy at birth	83.8	83.1	84.0	84.3	+0.3
Expected years of schooling	16.3	16.4	16.6	16.6	+0.0
Mean years of schooling	13.9	13.9	13.9	13.9	+0.0
GNI per capita (PPP \$)	67,531	66,267	68,550	69,433	+882

Health & Safety

- Basic sanitation meets the needs of the poorest areas
- Recycling services are satisfactory
- Public safety is not a problem
- Air pollution is not a problem
- Medical services provision is satisfactory
- Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

- Traffic congestion is not a problem
- Public transport is satisfactory

Activities

- Green spaces are satisfactory
- Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

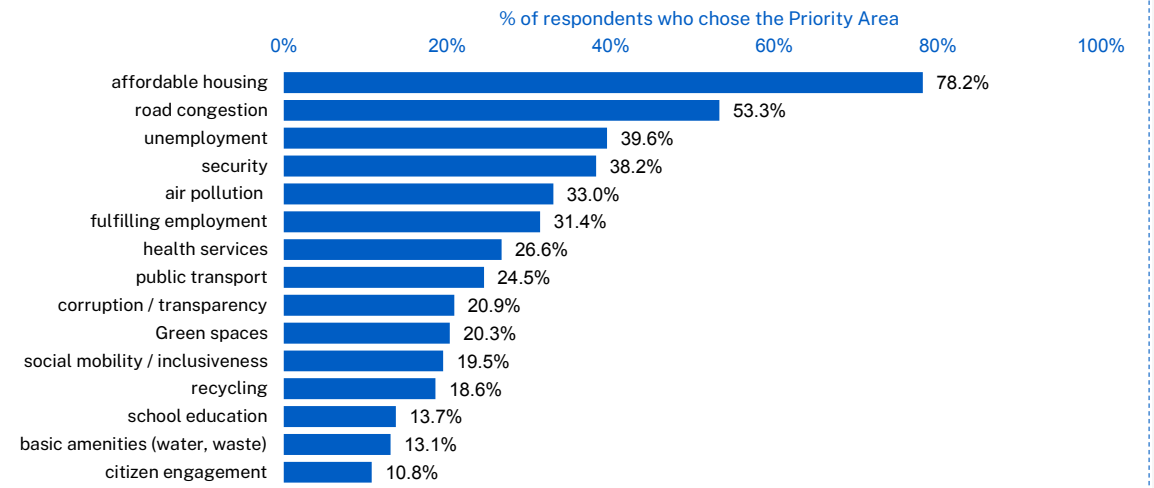
- Employment finding services are readily available
- Most children have access to a good school
- Lifelong learning opportunities are provided by local institutions
- Businesses are creating new jobs
- Minorities feel welcome

Governance

- Information on local government decisions are easily accessible
- Corruption of city officials is not an issue of concern
- Residents contribute to decision making of local government
- Residents provide feedback on local government projects

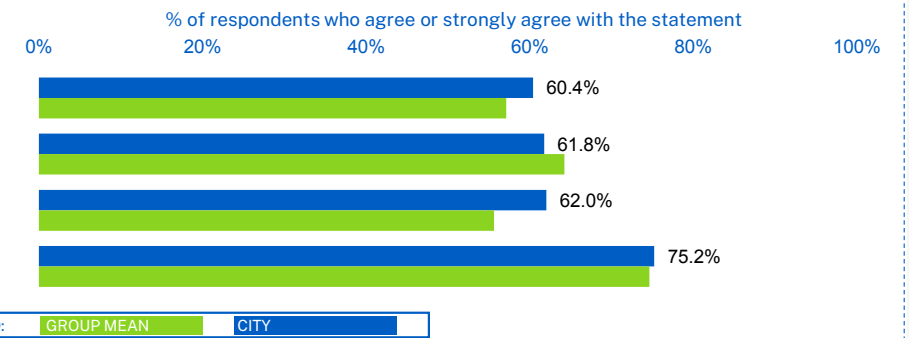
PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES

- You are willing to concede personal data in order to improve traffic congestion
- You are comfortable with face recognition technologies to lower crime
- You feel the availability of online information has increased your trust in authorities
- The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

LEGEND: MIN CITY MEAN GROUP MAX

75.9

79.5

72.9

58.8

76.9

28.0

37.8

73.6

82.3

82.0

66.6

84.0

73.6

57.0

63.9

71.8

56.7

71.6

73.7

TECHNOLOGIES

Score

52.3

64.9

62.2

54.2

53.3

71.3

41.0

43.3

50.7

77.9

55.9

79.3

62.0

62.0

51.6

79.5

47.6

53.1

51.7

68.5

Glasgow

SMART CITY RANKING

95

Out of 146



87 in 2024
Out of 142

SMART CITY RATING

B

B in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,710,000
(UN World Urbanization Prospects)

HDI 0.933
(Global Data Lab)



Country

United Kingdom

	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	47,066	40,799	44,750	46,624	+1,874

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

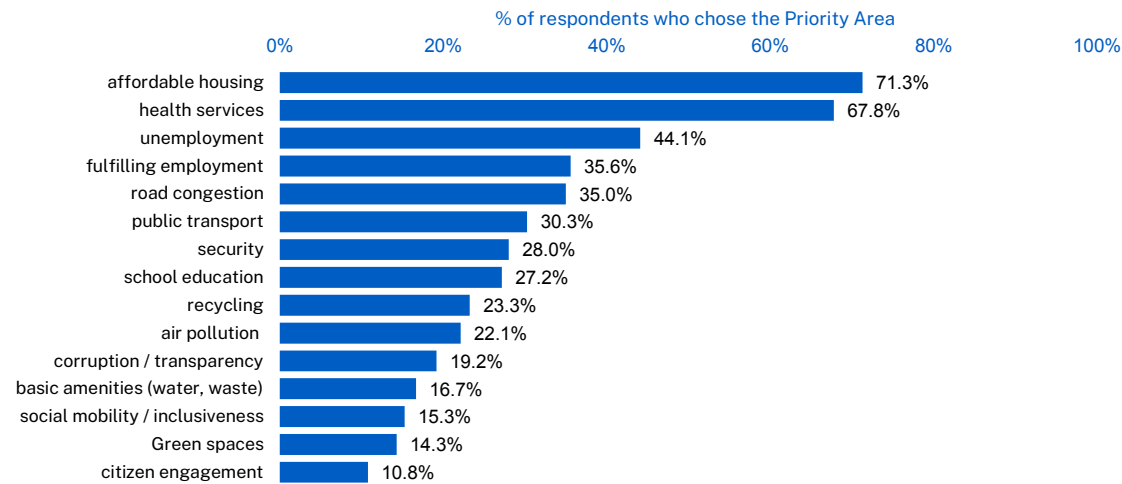
Corruption of city officials is not an issue of concern

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Residents provide feedback on local government projects

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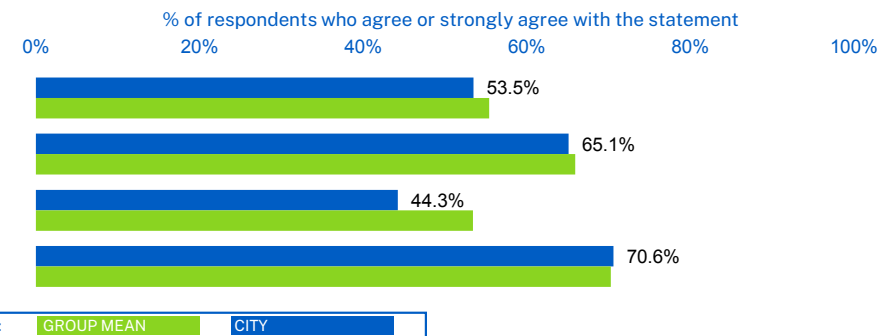
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

56.5

53.0

40.4

38.7

48.3

25.5

25.5

52.9

66.4

78.6

61.8

60.0

57.9

50.6

62.5

52.8

39.7

37.6

46.0

TECHNOLOGIES

Score

0 20 40 60 80 100

37.7

62.3

57.8

53.1

30.5

37.8

34.9

36.3

40.1

58.1

46.6

72.2

63.2

55.8

44.3

67.3

34.0

50.4

40.0

49.1

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

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Activities

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Gothenburg

SMART
CITY
RANKING

40

Out of 146



39 in 2024
Out of 142

SMART
CITY RATING

BBB

A in 2024

FACTOR
RATINGS

BBB

STRUCTURES

BB

TECHNOLOGIES

GROUP

1

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 570,000
(UN World Urbanization Prospects)

HDI 0.951
(Global Data Lab)



Country

Sweden

	2019	2020	2021	2022	1 yr change
HDI	0.937	0.939	0.941	0.943	+0.002
Life expectancy at birth	83.1	82.4	83.0	83.5	+0.5
Expected years of schooling	18.5	18.7	19.0	19.0	+0.0
Mean years of schooling	12.6	12.7	12.7	12.7	+0.0
GNI per capita (PPP \$)	54,441	53,195	55,908	56,996	+1,088

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

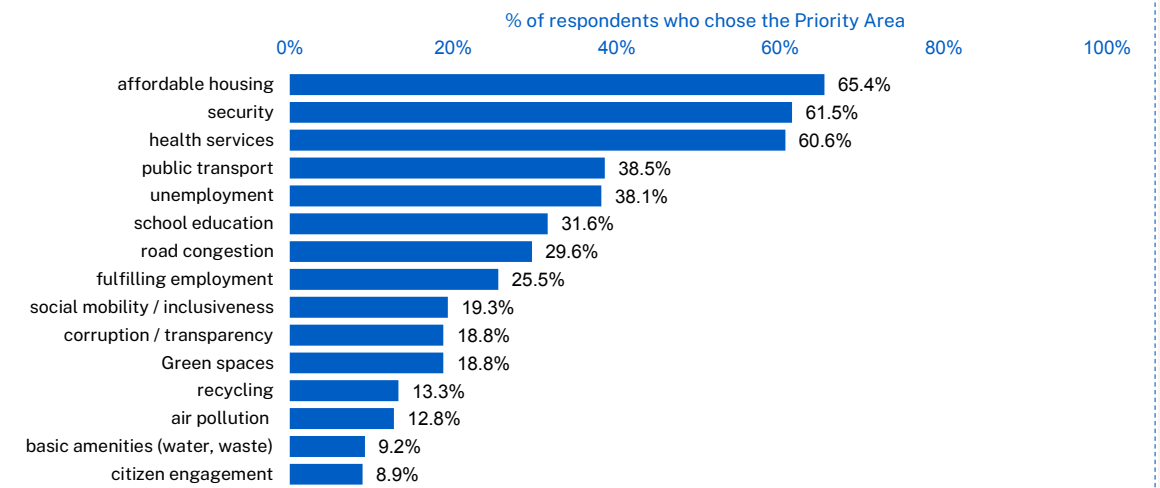
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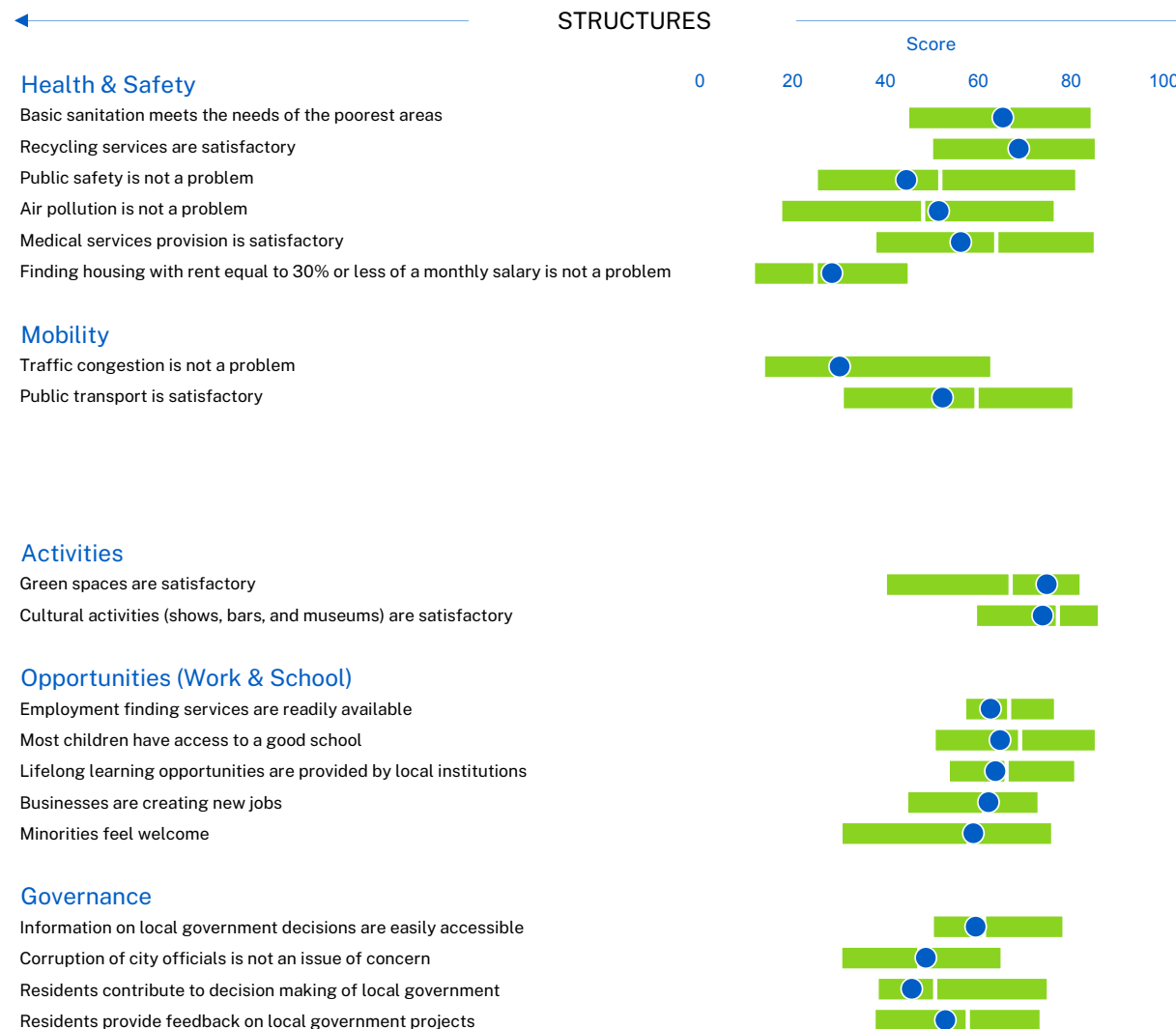
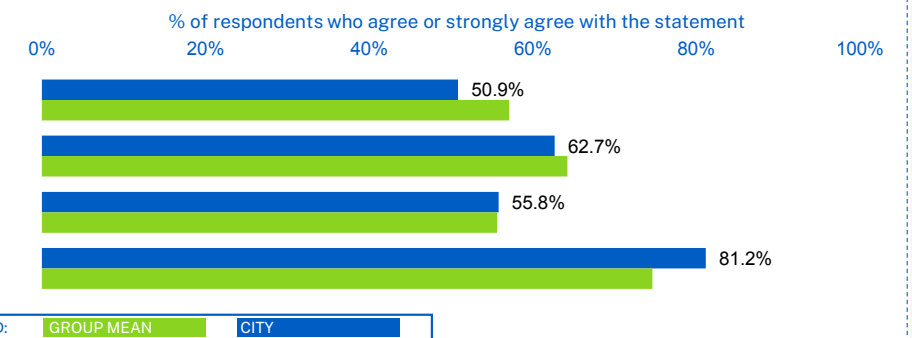
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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



Guangzhou

SMART CITY RANKING

55

Out of 146



65 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 14,590,000
(UN World Urbanization Prospects)

HDI 0.813
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

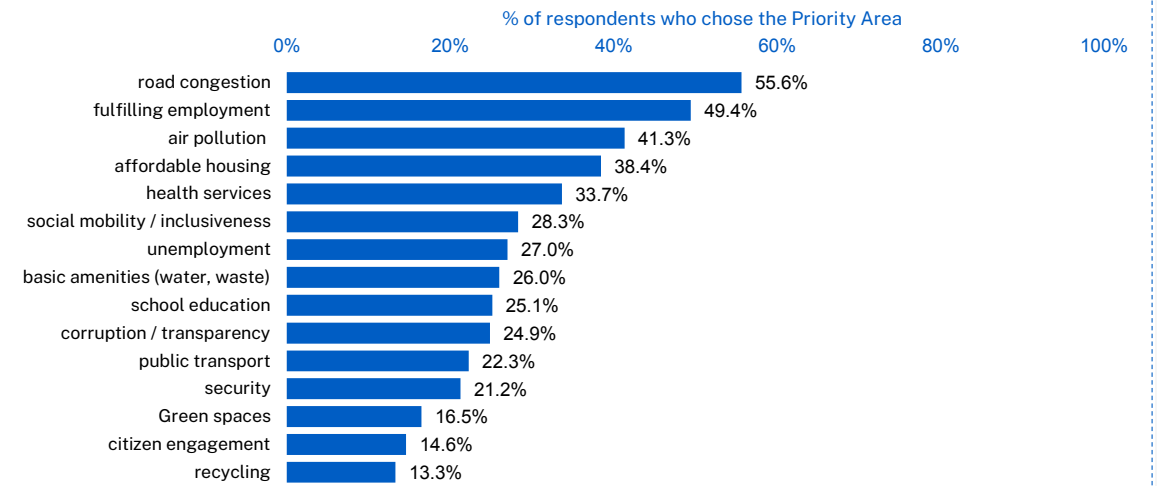
Country

China

	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP \$)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

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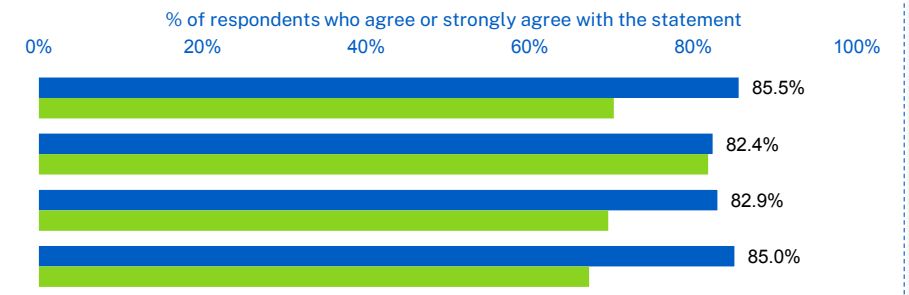
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LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

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Governance

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Residents provide feedback on local government projects



LEGEND: MIN CITY MEAN GROUP MAX

84.2

73.7

67.5

55.5

80.2

64.8

Mobility

41.7

62.3

Activities

78.2

80.3

Opportunities (Work & School)

77.4

73.9

65.6

73.7

80.2

Governance

76.7

54.3

65.3

73.7

TECHNOLOGIES



79.9

75.8

77.7

80.4

75.7

85.8

65.0

78.3

76.3

84.1

83.8

88.5

80.1

77.5

76.4

86.1

69.5

74.2

79.2

86.6

Guatemala City

SMART CITY RANKING

144

Out of 146



142 in 2024
Out of 142

SMART CITY RATING

D

D in 2024

FACTOR RATINGS

D

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 3,160,000
(UN World Urbanization Prospects)

HDI 0.723
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

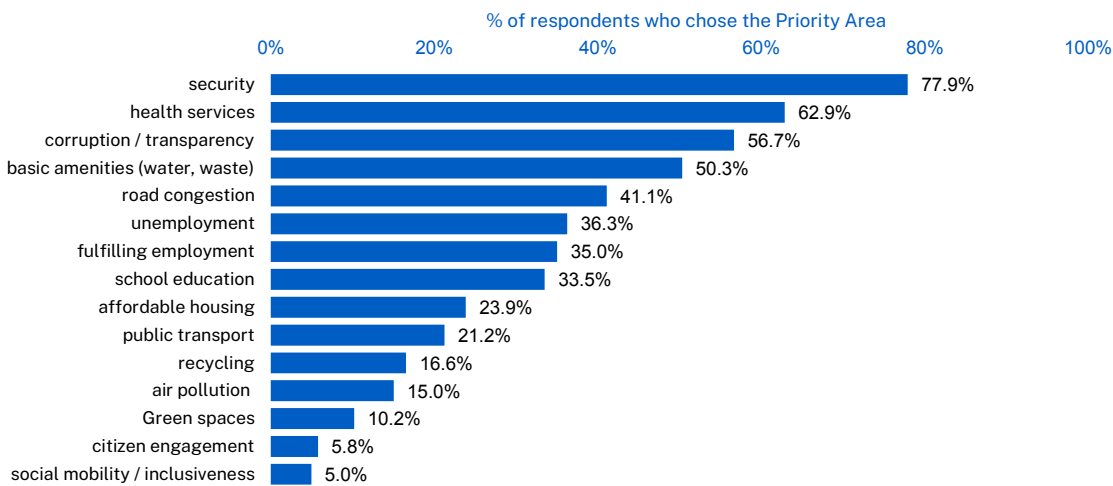
Country

Guatemala

	2019	2020	2021	2022	1 yr change
HDI	0.629	0.633	0.636	0.640	+0.004
Life expectancy at birth	73.1	71.8	69.2	68.7	-0.6
Expected years of schooling	10.8	10.8	10.8	10.8	+0.0
Mean years of schooling	5.7	5.7	5.7	5.7	+0.0
GNI per capita (PPP \$)	8,514	8,240	8,716	8,996	+280

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



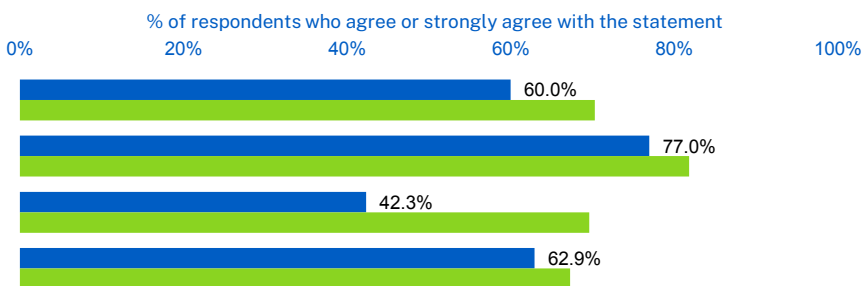
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

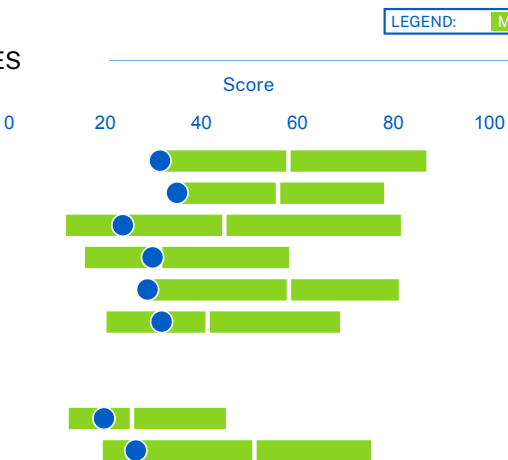
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

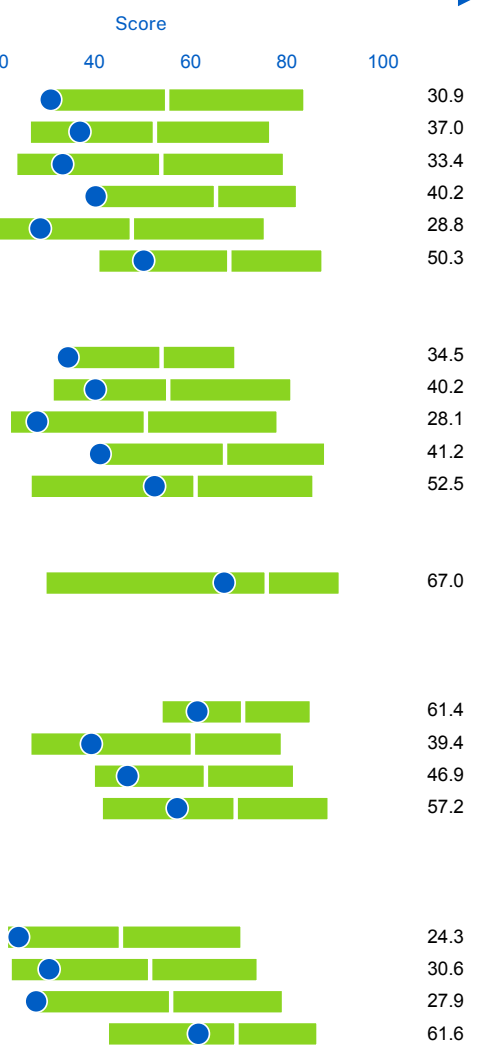
Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

TECHNOLOGIES



Hamburg

SMART
CITY
RANKING

20

Out of 146



14 in 2024
Out of 142

SMART
CITY RATING

AA

BBB in 2024

FACTOR
RATINGS

A

STRUCTURES

BBB

TECHNOLOGIES

GROUP

1

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 1,790,000
(UN World Urbanization Prospects)

HDI 0.975
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

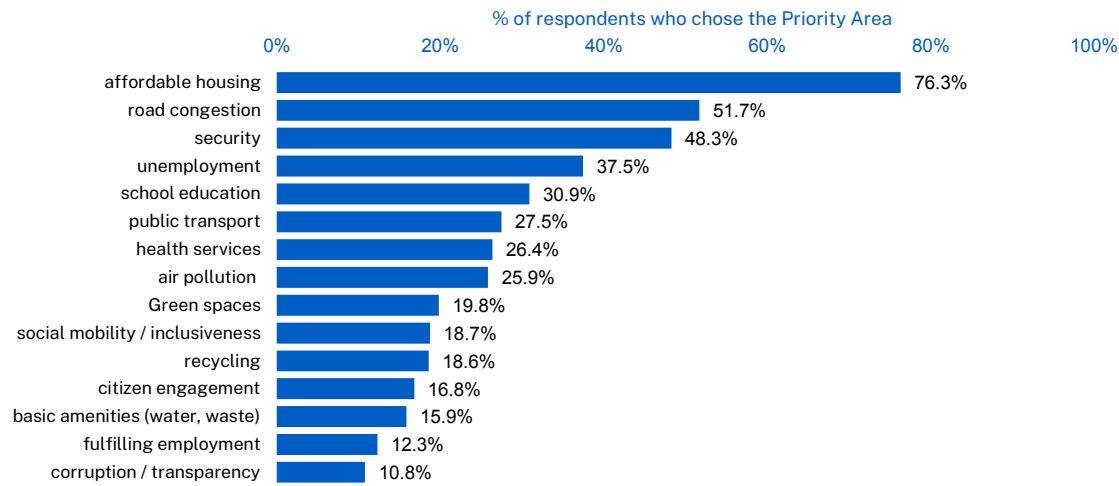
Country

Germany

	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP \$)	55,685	53,375	55,057	55,340	+284

PRIORITY AREAS

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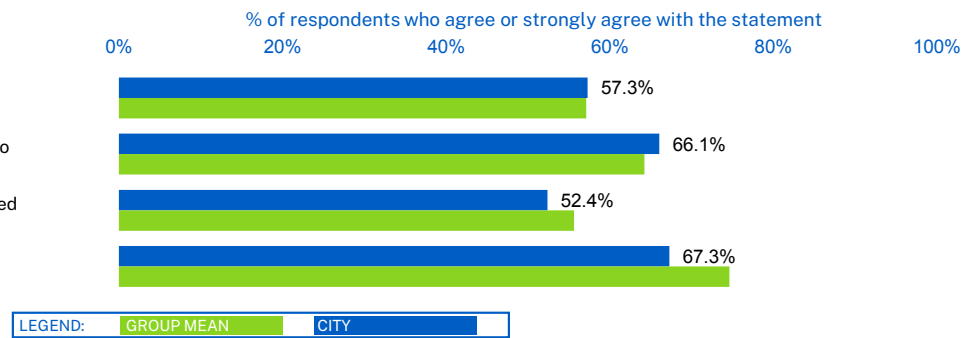
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STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

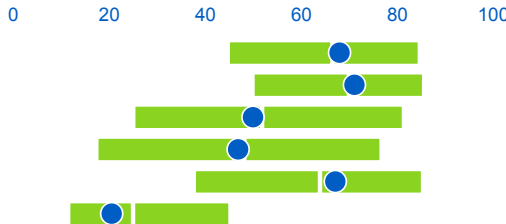
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Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

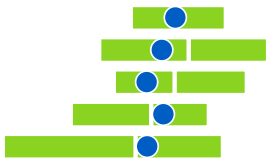
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



Governance

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Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

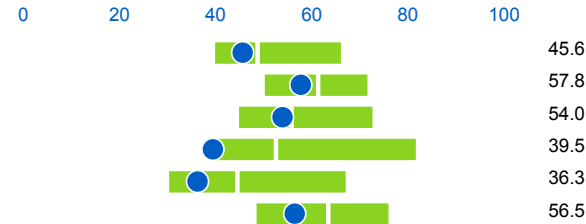
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Mobility

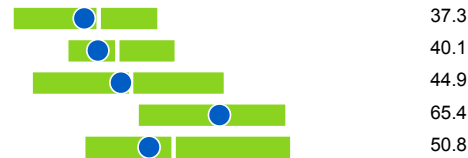
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Activities

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Opportunities (Work & School)

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The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Hangzhou

SMART CITY RANKING

54

Out of 146



64 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 8,420,000
(UN World Urbanization Prospects)

HDI 0.814
(Global Data Lab)



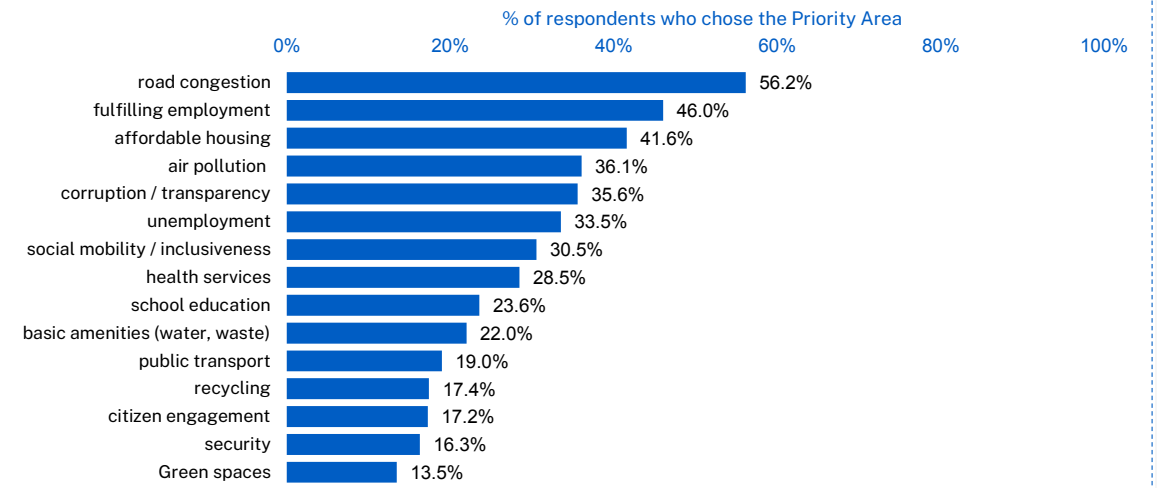
Country

China

	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP \$)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

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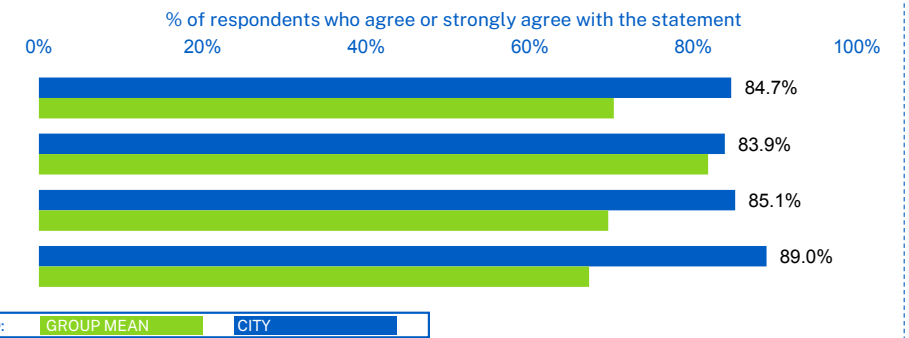
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LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

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Governance

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Hanoi

SMART CITY RANKING

88

Out of 146



97 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

4

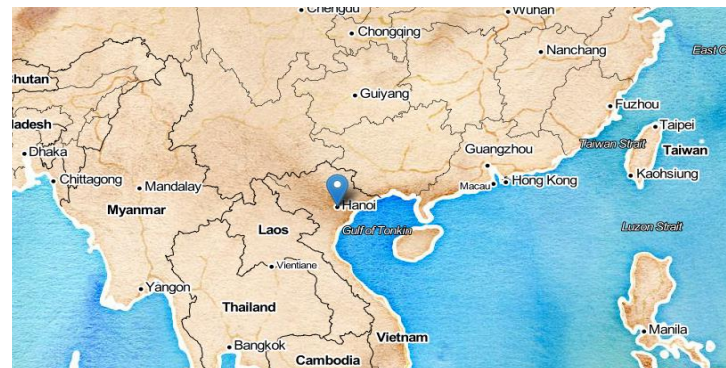
All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 5,430,000
(UN World Urbanization Prospects)

HDI 0.768
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

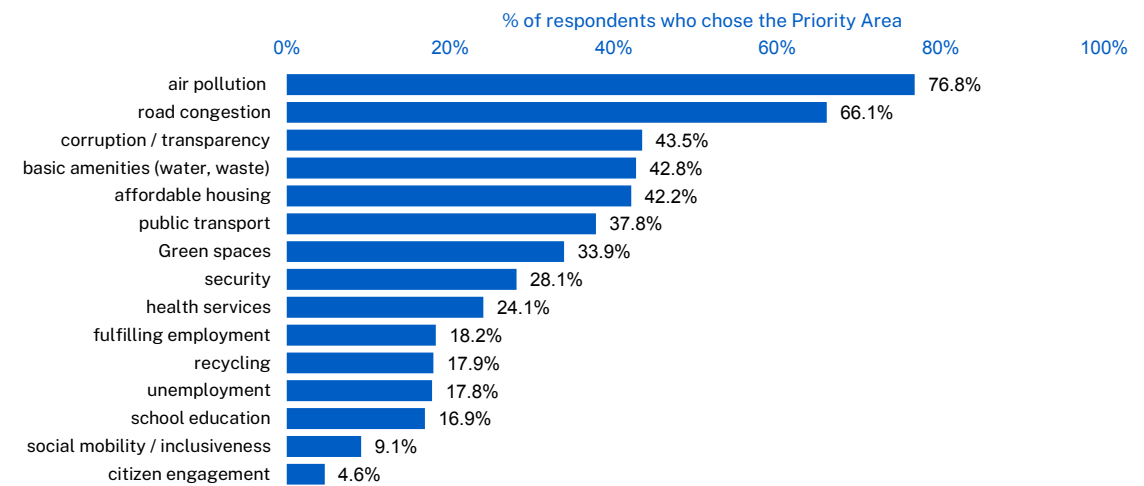
Country

Viet Nam

	2019	2020	2021	2022	1 yr change
HDI	0.697	0.702	0.706	0.711	+0.005
Life expectancy at birth	74.1	75.4	73.6	74.6	+1.0
Expected years of schooling	13.0	13.1	13.1	13.1	+0.0
Mean years of schooling	8.4	8.5	8.5	8.5	+0.0
GNI per capita (PPP \$)	9,734	10,005	10,085	10,814	+729

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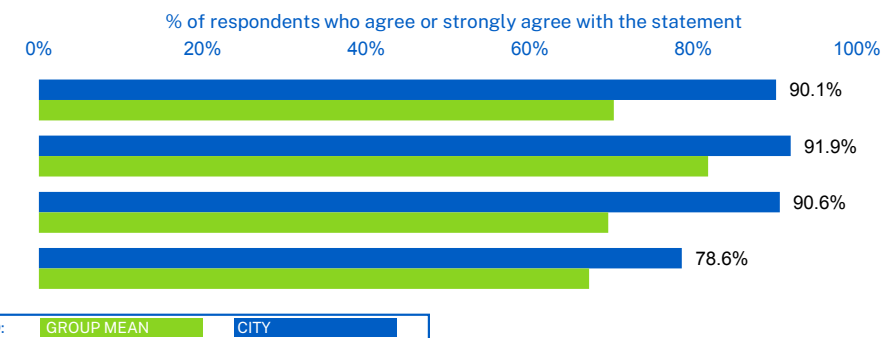
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STRUCTURES

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LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

74.8

66.4

82.0

24.5

75.5

51.1

20.6

52.1

66.4

79.7

78.5

81.1

73.1

82.1

73.8

79.1

35.8

71.1

73.8

TECHNOLOGIES

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Governance

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Score

0 20 40 60 80 100

71.2

65.7

69.0

78.3

66.8

82.9

68.0

73.5

67.1

76.5

65.0

84.8

81.4

79.2

78.4

84.6

62.8

70.4

74.8

81.6

Hanover

SMART CITY RANKING

59

Out of 146



53 in 2024
Out of 142

SMART CITY RATING

A

BB in 2024

FACTOR RATINGS

BBB

STRUCTURES

B

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 5,160,000
(UN World Urbanization Prospects)

HDI 0.936
(Global Data Lab)



Country

Germany

	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP \$)	55,685	53,375	55,057	55,340	+284

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

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Mobility

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Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

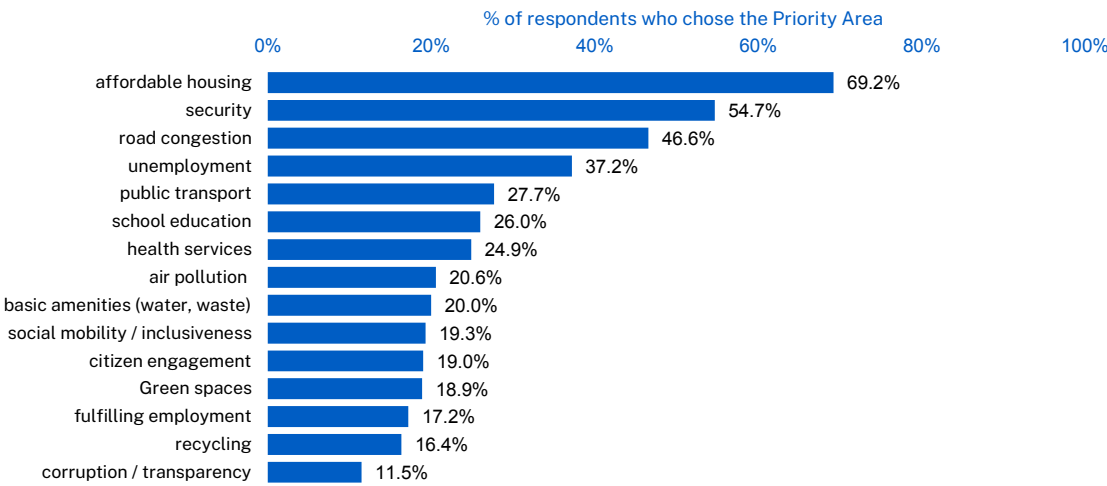
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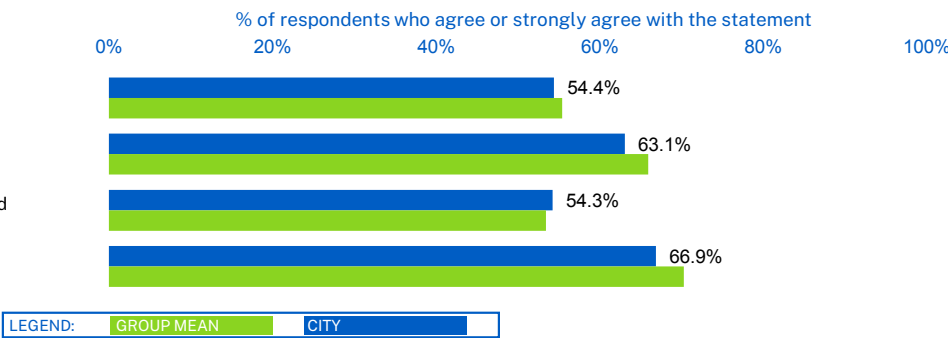
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STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

69.5

72.3

47.1

50.0

69.1

28.6

40.4

63.1

74.2

79.4

63.0

63.4

57.2

56.6

56.1

56.2

55.2

53.0

56.2



TECHNOLOGIES

Score

0 20 40 60 80 100

Health & Safety

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Governance

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44.8

54.1

51.5

42.4

36.1

59.3

39.4

42.3

48.0

66.3

52.6

73.2

69.1

47.6

45.4

63.0

38.4

47.5

43.3

50.8

Helsinki

SMART CITY RANKING

11

Out of 146



9 in 2024
Out of 142

SMART CITY RATING

AA

AA in 2024

FACTOR RATINGS

AA

STRUCTURES

AA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,350,000
(UN World Urbanization Prospects)

HDI 0.961
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

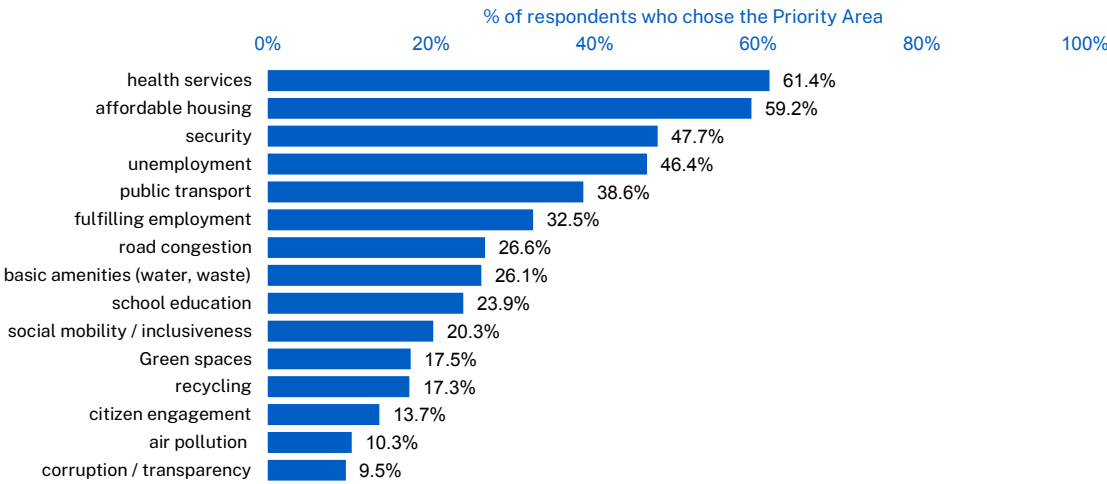
Country

Finland

	2019	2020	2021	2022	1 yr change
HDI	0.930	0.931	0.934	0.936	+0.002
Life expectancy at birth	81.9	81.9	82.0	82.4	+0.3
Expected years of schooling	19.0	19.0	19.2	19.2	+0.0
Mean years of schooling	12.9	12.9	12.9	12.9	+0.0
GNI per capita (PPP \$)	48,829	48,176	49,481	49,522	+42

PRIORITY AREAS

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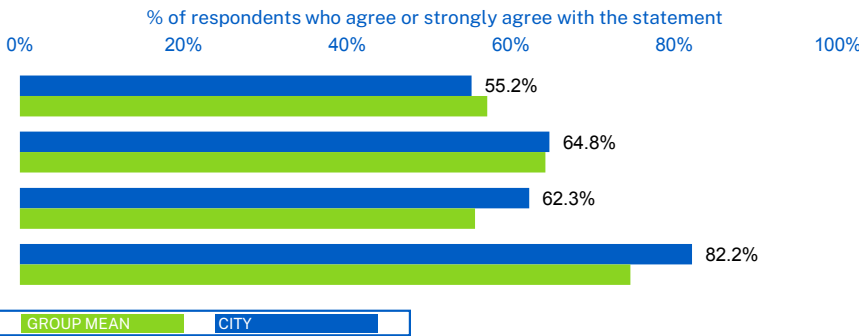
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STRUCTURES

Score

Health & Safety

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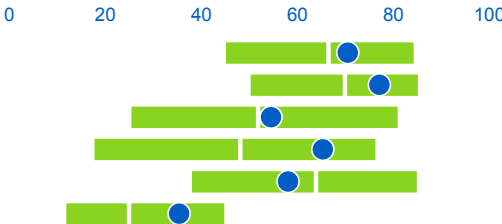
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Opportunities (Work & School)

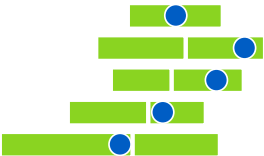
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Minorities feel welcome



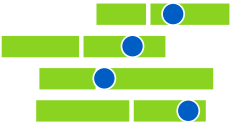
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TECHNOLOGIES

Score

Health & Safety

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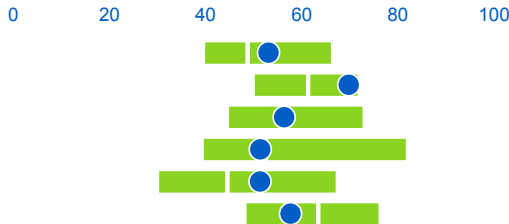
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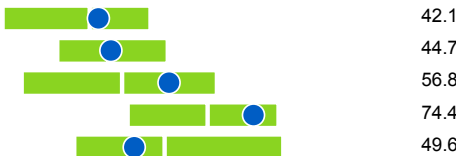
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Governance

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Ho Chi Minh City

SMART
CITY
RANKING

101

Out of 146



105 in 2024
Out of 142

SMART
CITY RATING

CCC

CC in 2024

FACTOR
RATINGS

CCC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 9,570,000
(UN World Urbanization Prospects)

HDI 0.737
(Global Data Lab)



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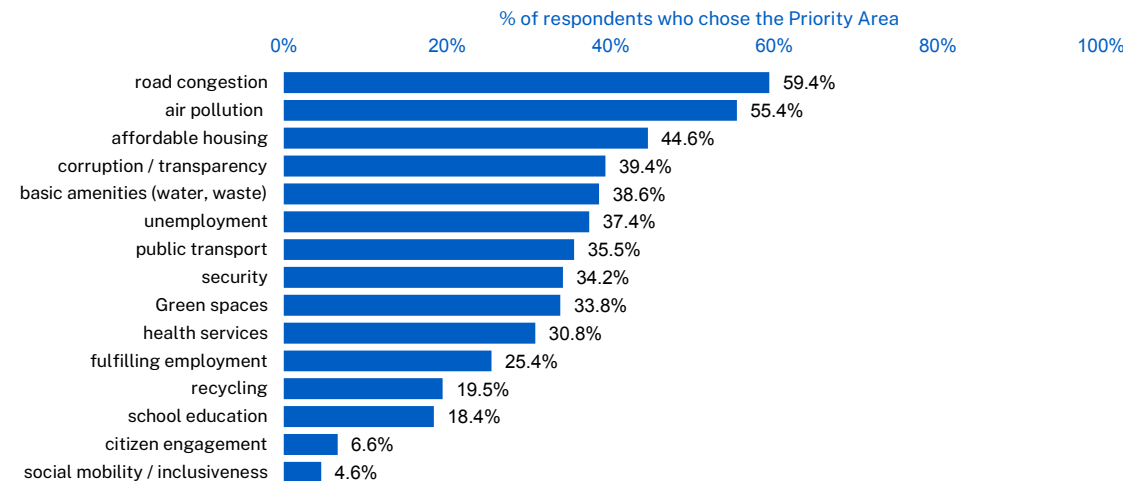
Country

Viet Nam

	2019	2020	2021	2022	1 yr change
HDI	0.697	0.702	0.706	0.711	+0.005
Life expectancy at birth	74.1	75.4	73.6	74.6	+1.0
Expected years of schooling	13.0	13.1	13.1	13.1	+0.0
Mean years of schooling	8.4	8.5	8.5	8.5	+0.0
GNI per capita (PPP \$)	9,734	10,005	10,085	10,814	+729

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



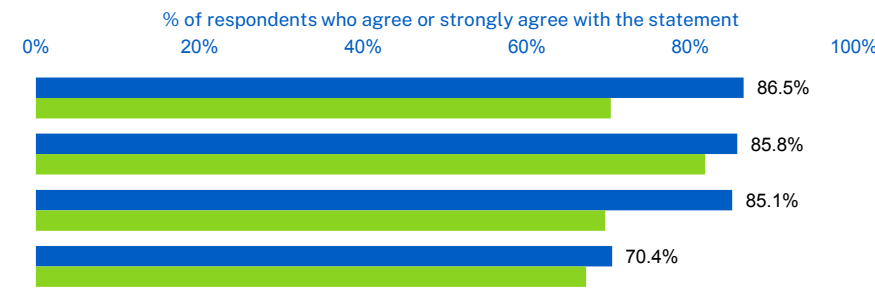
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Hong Kong

SMART CITY RANKING

19

Out of 146



20 in 2024
Out of 142

SMART CITY RATING

BBB

A in 2024

FACTOR RATINGS

A

STRUCTURES

AAA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 7,730,000
(UN World Urbanization Prospects)

HDI 0.956
(Global Data Lab)



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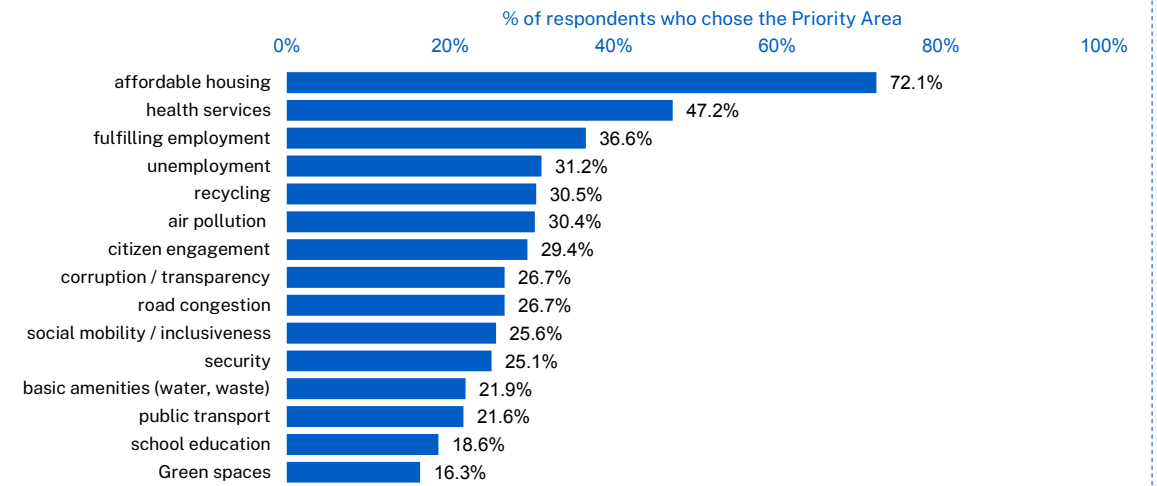
Country

Hong Kong, China (SAR)

	2019	2020	2021	2022	1 yr change
HDI	0.936	0.939	0.946	0.949	+0.003
Life expectancy at birth	85.3	85.2	85.5	84.3	-1.2
Expected years of schooling	17.3	17.8	17.7	17.8	+0.1
Mean years of schooling	12.2	12.3	12.3	12.3	+0.0
GNI per capita (PPP \$)	63,277	59,537	64,151	62,486	-1,665

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



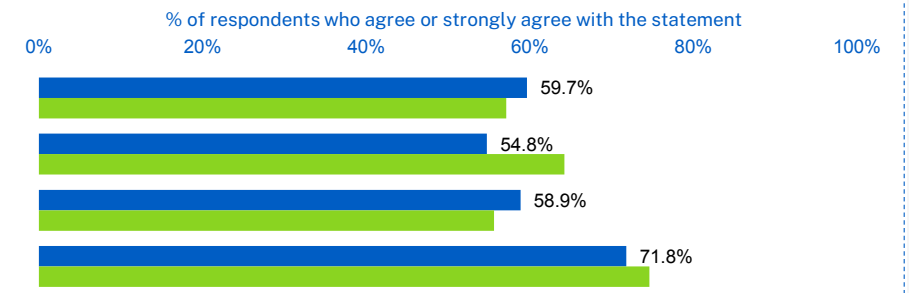
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LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

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The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Hyderabad

SMART CITY RANKING

109

Out of 146



111 in 2024
Out of 142

SMART CITY RATING

CCC

CC in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 11,070,000
(UN World Urbanization Prospects)

HDI 0.660
(Global Data Lab)



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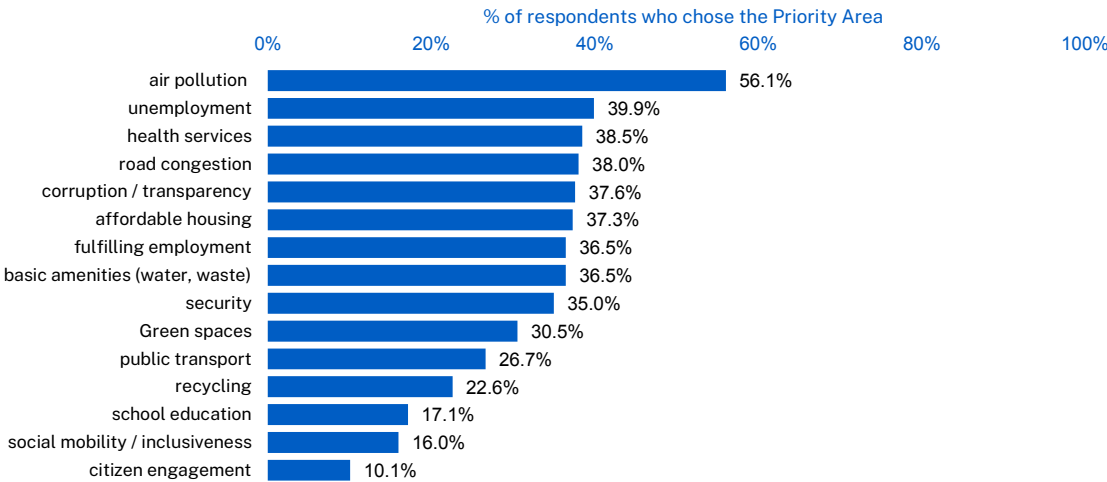
Country

India

	2019	2020	2021	2022	1 yr change
HDI	0.619	0.630	0.636	0.636	+0.000
Life expectancy at birth	70.9	70.2	67.2	67.7	+0.5
Expected years of schooling	11.4	11.7	12.0	12.6	+0.6
Mean years of schooling	6.3	6.5	6.5	6.6	+0.0
GNI per capita (PPP \$)	6,554	6,090	6,542	6,951	+408

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



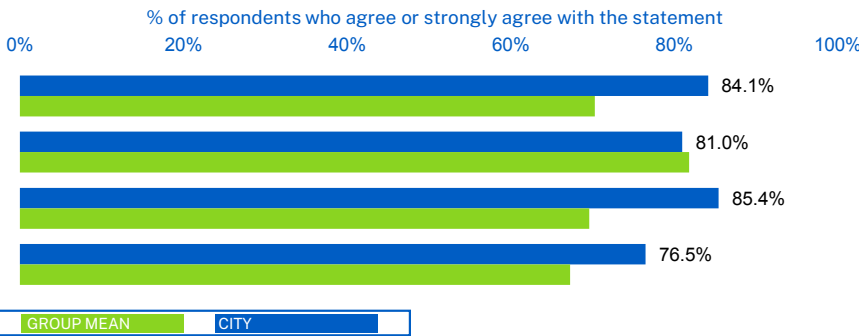
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STRUCTURES

Score

0 20 40 60 80 100

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

0 20 40 60 80 100

Health & Safety

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A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

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Car-sharing Apps have reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Islamabad

SMART CITY RANKING

116

Out of 146

116 in 2024
Out of 142

SMART CITY RATING

CC

CC in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,270,000
(UN World Urbanization Prospects)

HDI 0.654
(Global Data Lab)



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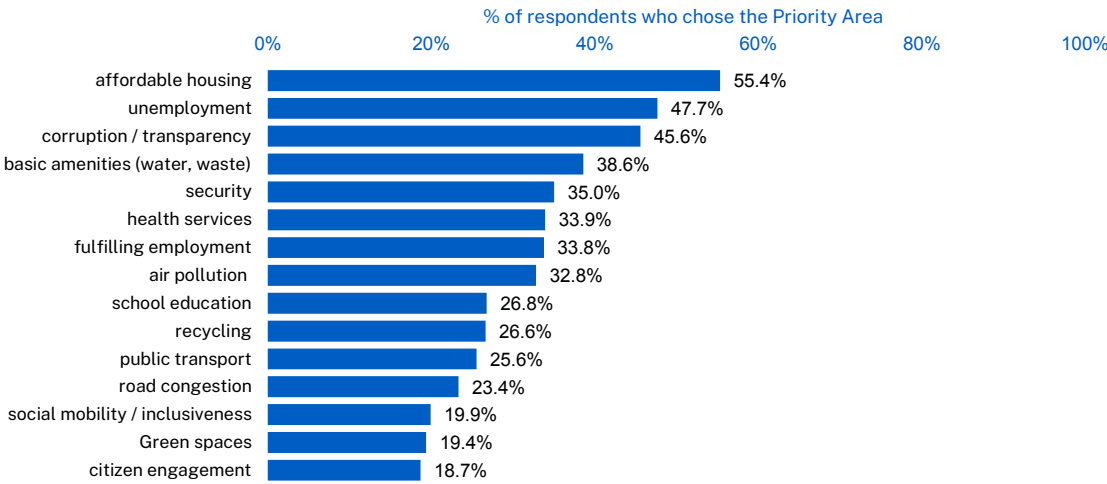
Country

Pakistan

	2019	2020	2021	2022	1 yr change
HDI	0.525	0.533	0.534	0.535	+0.001
Life expectancy at birth	66.8	66.3	66.1	66.4	+0.3
Expected years of schooling	7.6	7.9	7.9	7.9	+0.0
Mean years of schooling	4.5	4.4	4.4	4.4	+0.0
GNI per capita (PPP \$)	5,067	4,912	5,165	5,374	+209

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



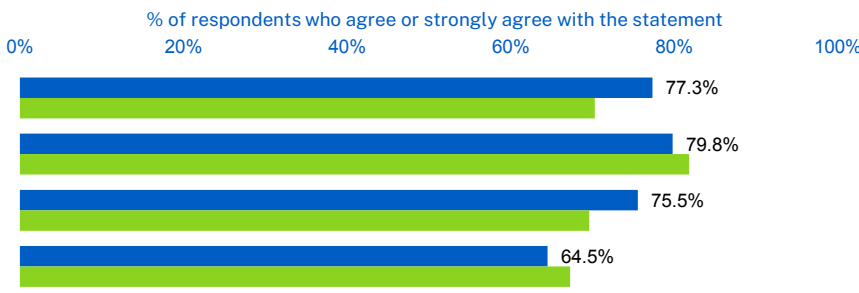
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LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

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Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

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Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Istanbul

SMART CITY RANKING

111

Out of 146



110 in 2024
Out of 142

SMART CITY RATING

C

CC in 2024

FACTOR RATINGS

CC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 16,050,000
(UN World Urbanization Prospects)

HDI 0.888
(Global Data Lab)



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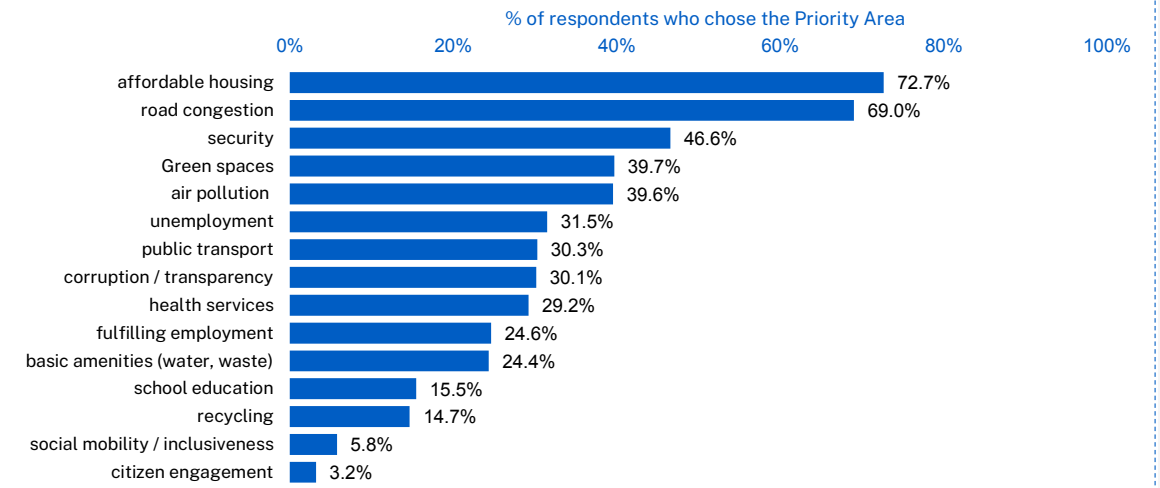
Country

Türkiye

	2019	2020	2021	2022	1 yr change
HDI	0.821	0.826	0.833	0.838	+0.005
Life expectancy at birth	77.8	75.9	76.0	78.5	+2.4
Expected years of schooling	19.2	19.3	19.7	19.7	+0.0
Mean years of schooling	8.6	8.8	8.8	8.8	+0.0
GNI per capita (PPP \$)	27,950	28,381	31,310	32,834	+1,524

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



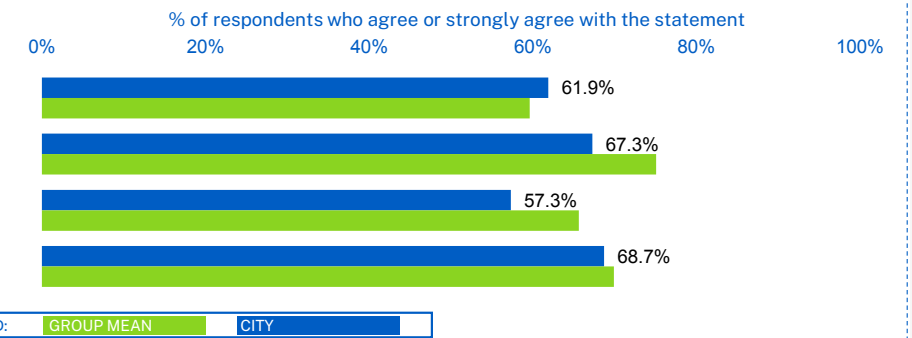
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

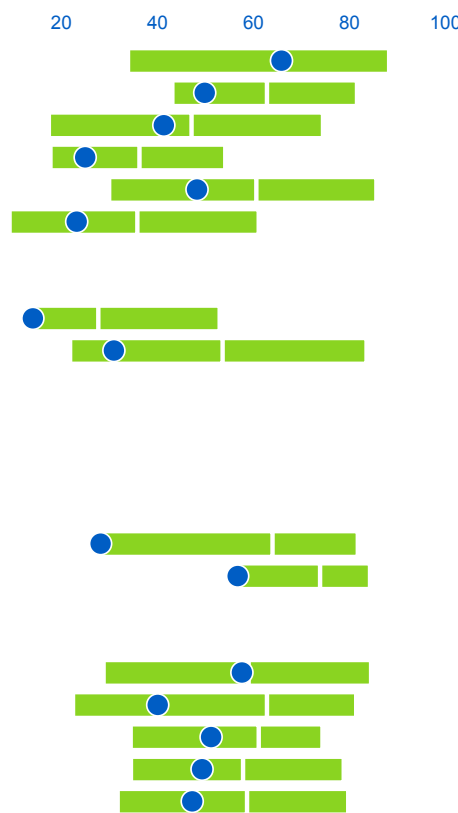
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score



TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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Governance

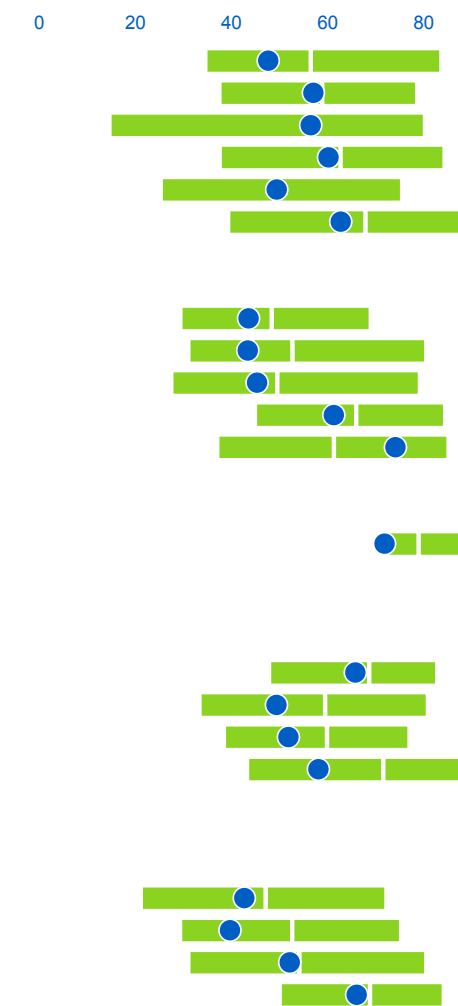
Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score



Jakarta

SMART CITY RANKING

103

Out of 146



103 in 2024
Out of 142

SMART CITY RATING

CC

CC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 11,440,000
(UN World Urbanization Prospects)

HDI 0.767
(Global Data Lab)



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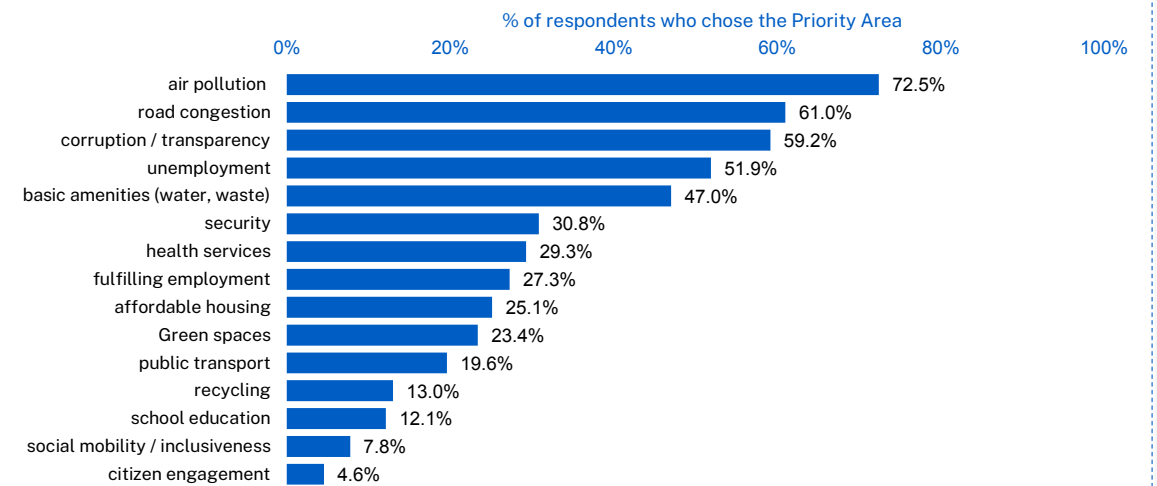
Country

Indonesia

	2019	2020	2021	2022	1 yr change
HDI	0.698	0.701	0.708	0.712	+0.004
Life expectancy at birth	70.5	68.8	67.6	68.3	+0.7
Expected years of schooling	13.9	14.0	14.0	14.0	+0.0
Mean years of schooling	8.4	8.6	8.6	8.6	+0.0
GNI per capita (PPP \$)	11,498	11,206	11,531	12,046	+514

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



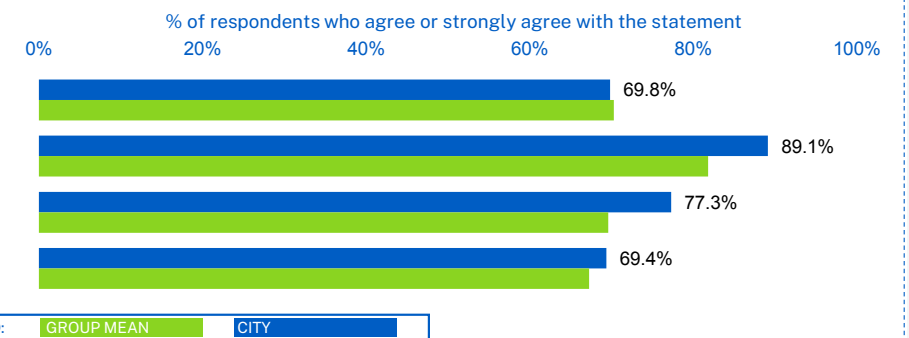
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STRUCTURES

Health & Safety

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Mobility

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Public transport is satisfactory

Activities

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Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome

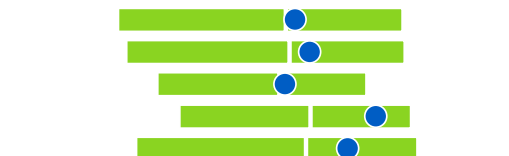
Governance

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TECHNOLOGIES

Health & Safety

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Governance

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An online platform where residents can propose ideas has improved city life

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Jeddah

SMART
CITY
RANKING

47

Out of 146



55 in 2024
Out of 142

SMART
CITY RATING

B

B in 2024

FACTOR
RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 4,940,000
(UN World Urbanization Prospects)

HDI 0.871
(Global Data Lab)



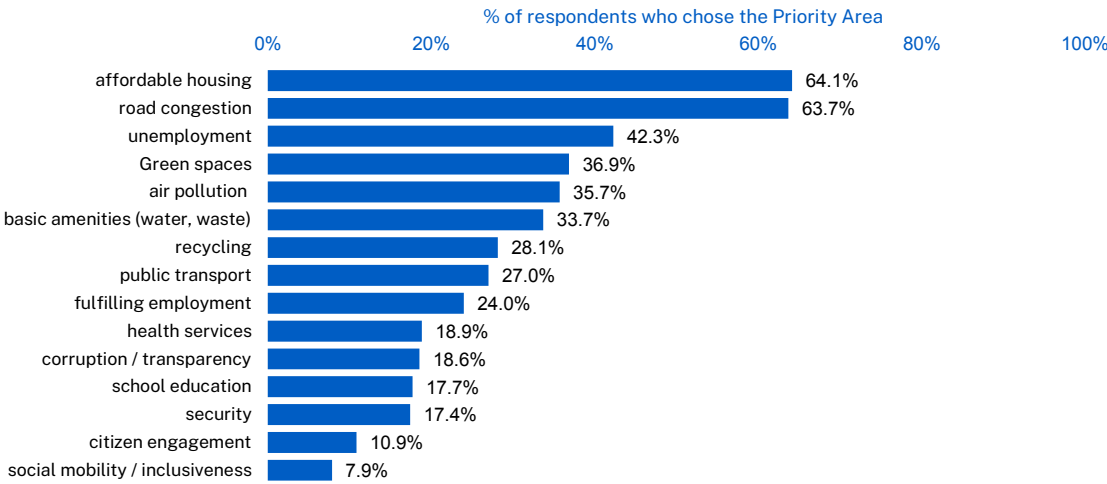
Country

Saudi Arabia

	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP \$)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

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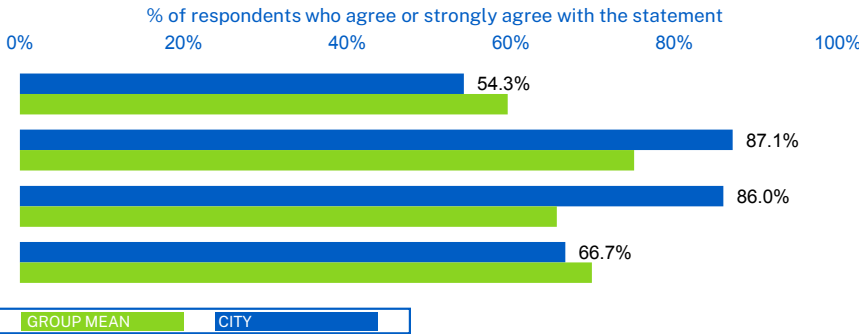
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Health & Safety

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Opportunities (Work & School)

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Minorities feel welcome

Governance

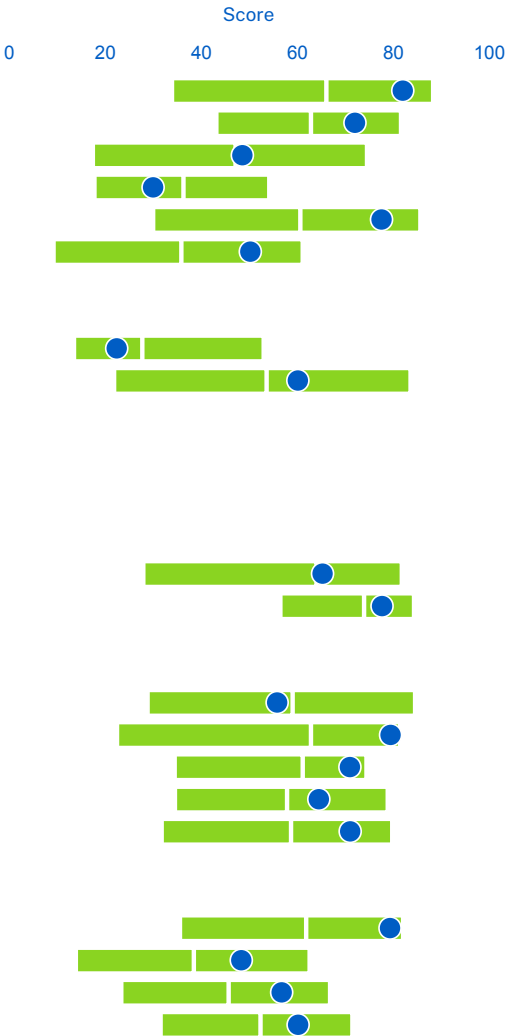
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STRUCTURES



TECHNOLOGIES

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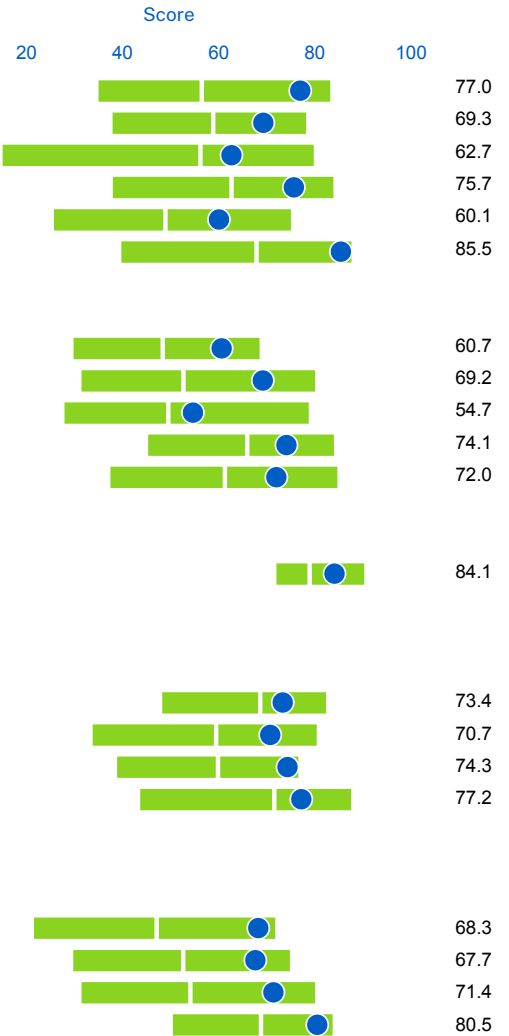
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



SMART CITY RANKING

74

Out of 146



79 in 2024
Out of 142

SMART CITY RATING

BBB

BB in 2024

FACTOR RATINGS

BB

STRUCTURES

CCC

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 230,000
(UN World Urbanization Prospects)

HDI 0.929
(Global Data Lab)



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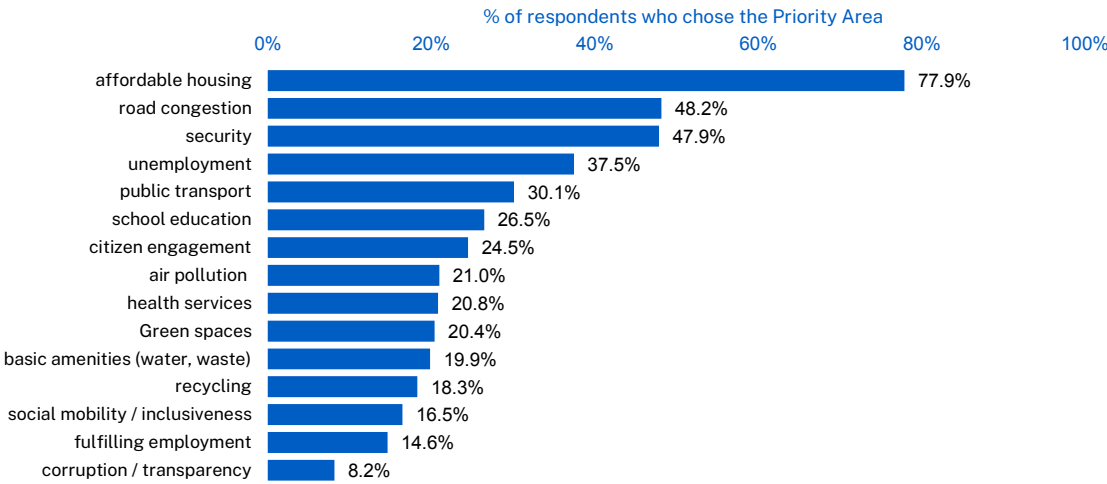
Country

Germany

	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP \$)	55,685	53,375	55,057	55,340	+284

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



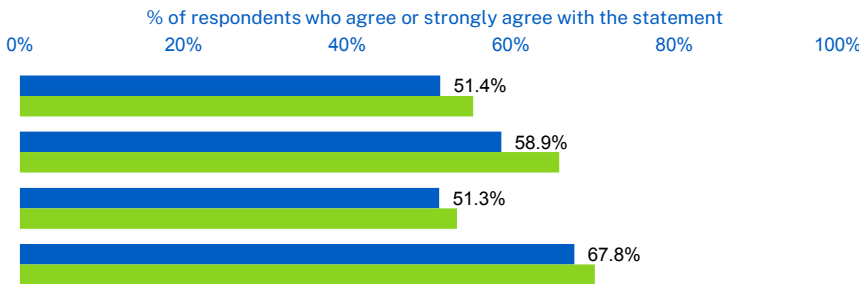
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

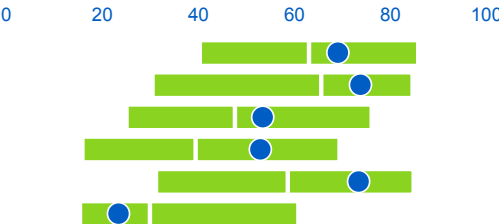
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



69.1

73.8

53.5

52.9

73.4

23.4

Mobility

Traffic congestion is not a problem

Public transport is satisfactory



39.9

62.7

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



63.8

68.6

Opportunities (Work & School)

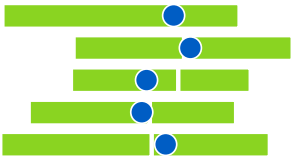
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



61.1

64.6

55.5

54.5

59.5

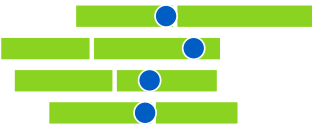
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



55.6

61.3

52.2

51.2



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

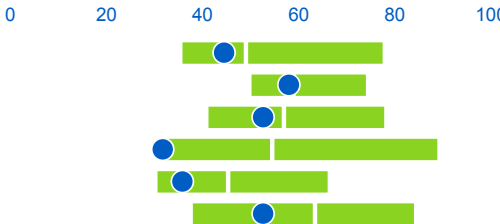
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



44.5

58.0

52.6

31.8

35.8

52.7

Mobility

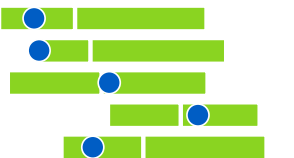
Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



33.9

34.9

49.5

68.0

46.1

Activities

Online purchasing of tickets to shows and museums has made it easier to attend



71.0

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



66.2

40.0

39.0

65.1

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



34.9

42.4

37.5

49.8

Krakov

SMART CITY RANKING

70

Out of 146



76 in 2024
Out of 142

SMART CITY RATING

B

CCC in 2024

FACTOR RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 770,000
(UN World Urbanization Prospects)

HDI 0.891
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

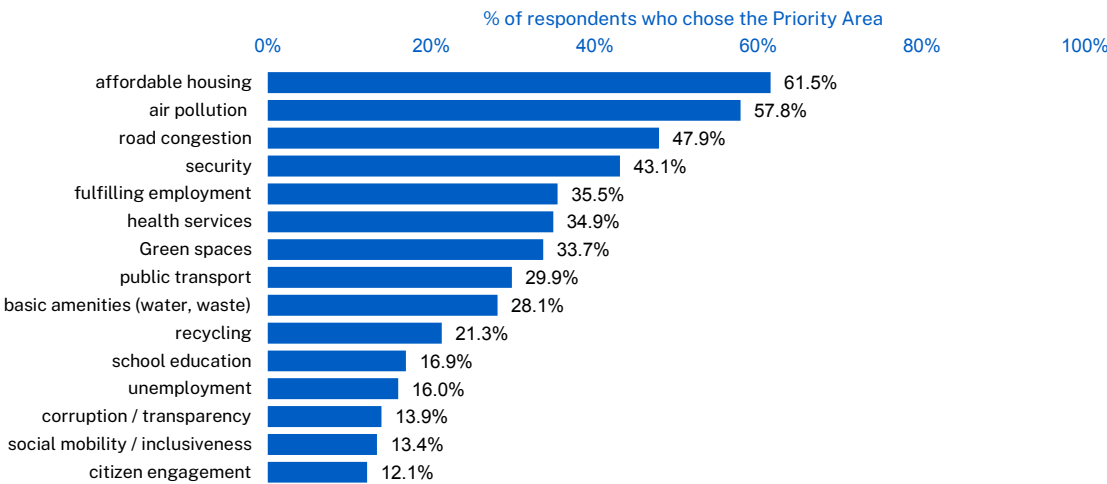
Country

Poland

	2019	2020	2021	2022	1 yr change
HDI	0.869	0.872	0.874	0.876	+0.002
Life expectancy at birth	77.9	76.9	76.5	77.0	+0.5
Expected years of schooling	15.9	15.8	15.9	15.9	+0.0
Mean years of schooling	13.1	13.2	13.2	13.2	+0.0
GNI per capita (PPP \$)	31,772	31,293	33,264	35,151	+1,887

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



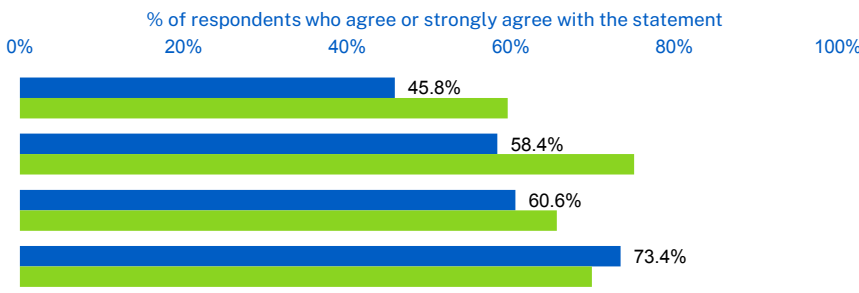
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LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

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Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Kuala Lumpur

SMART
CITY
RANKING

65

Out of 146



73 in 2024
Out of 142

SMART
CITY RATING

B

B in 2024

FACTOR
RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 8,820,000
(UN World Urbanization Prospects)

HDI 0.863
(Global Data Lab)



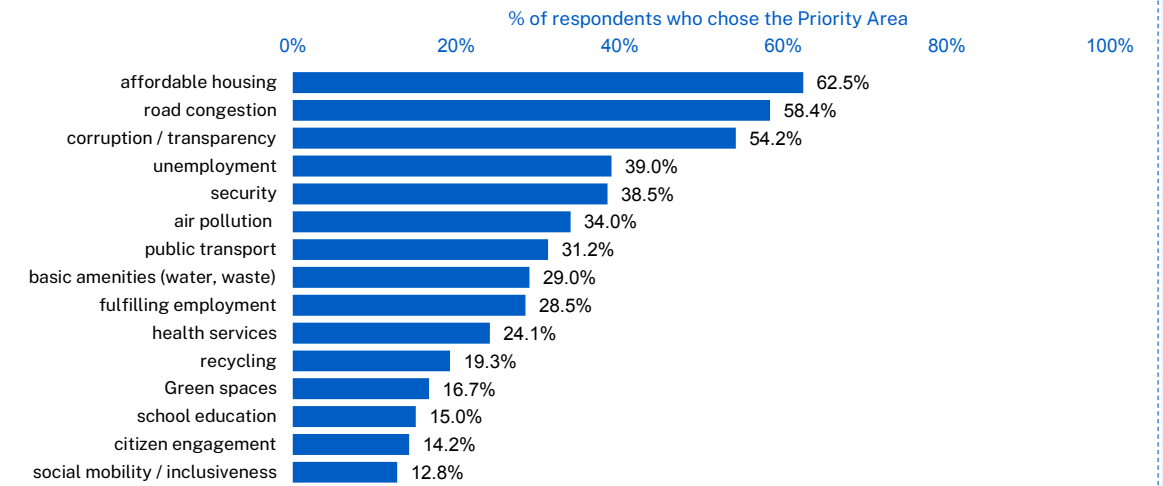
Country

Malaysia

	2019	2020	2021	2022	1 yr change
HDI	0.792	0.798	0.800	0.802	+0.002
Life expectancy at birth	75.8	75.9	74.9	76.3	+1.4
Expected years of schooling	13.1	13.0	12.9	12.9	+0.0
Mean years of schooling	10.6	10.7	10.7	10.7	+0.0
GNI per capita (PPP \$)	26,951	25,314	25,619	27,295	+1,676

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



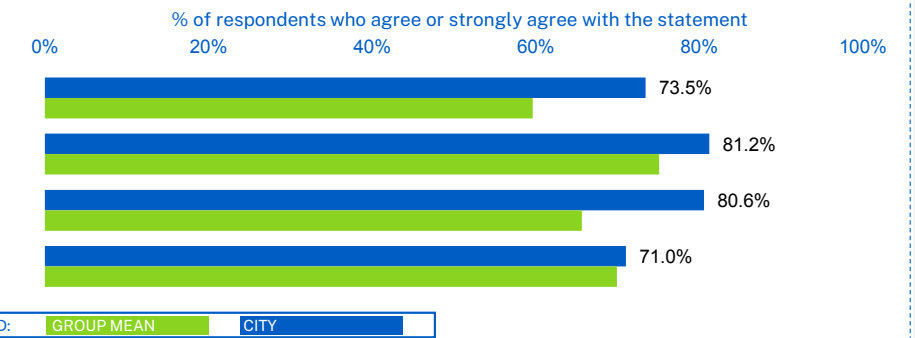
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



Kuwait City

SMART
CITY
RANKING

90

Out of 146

not in 2024

SMART
CITY RATING

CCC

not in 2024

FACTOR
RATINGS

CCC

STRUCTURES

B

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 3,350,000
(UN World Urbanization Prospects)

HDI 0.845
(Global Data Lab)



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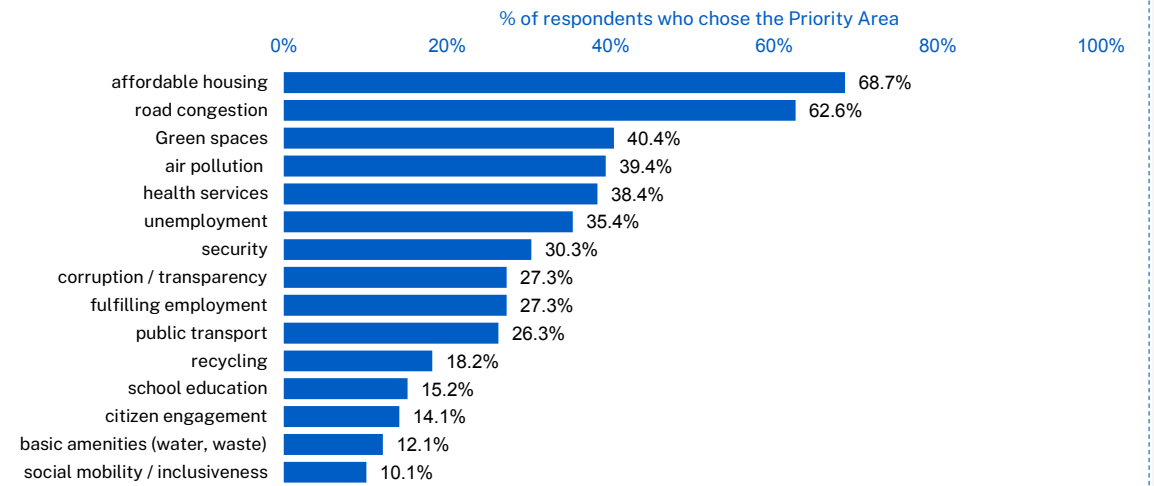
Country

Kuwait

	2019	2020	2021	2022	1 yr change
HDI	0.829	0.832	0.835	0.836	+0.001
Life expectancy at birth	79.7	76.9	78.7	80.3	+1.6
Expected years of schooling	15.5	15.7	15.7	15.7	+0.0
Mean years of schooling	7.3	7.4	7.4	7.4	+0.0
GNI per capita (PPP \$)	54,606	50,505	52,672	56,729	+4,057

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



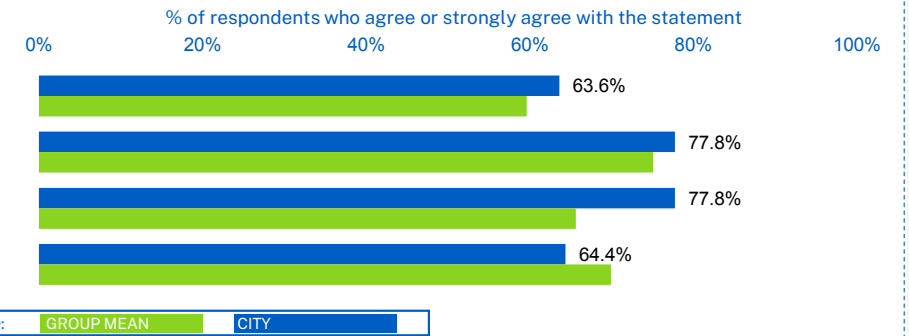
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

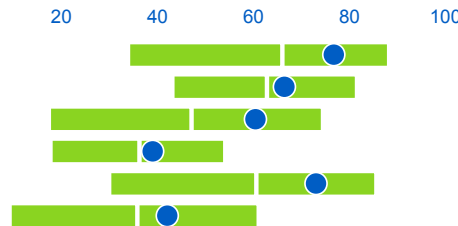
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

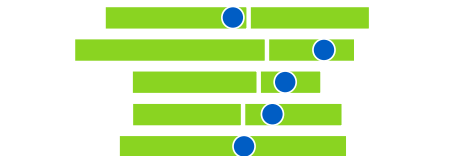
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

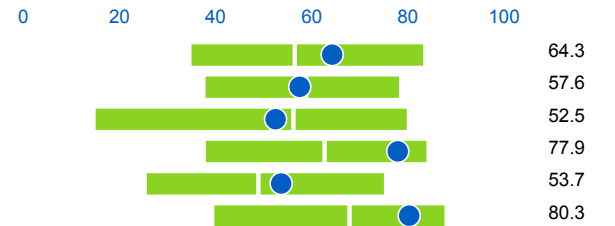
A website or App allows residents to easily give away unwanted items

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Arranging medical appointments online has improved access



Mobility

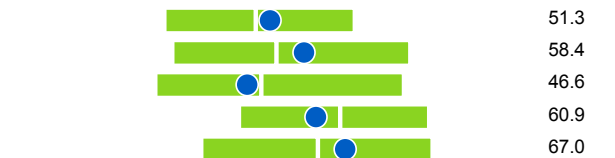
Car-sharing Apps have reduced congestion

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The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



SMART CITY RANKING

135

Out of 146



136 in 2024
Out of 142

SMART CITY RATING

C

D in 2024

FACTOR RATINGS

C

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 16,540,000
(UN World Urbanization Prospects)

HDI 0.721
(Global Data Lab)



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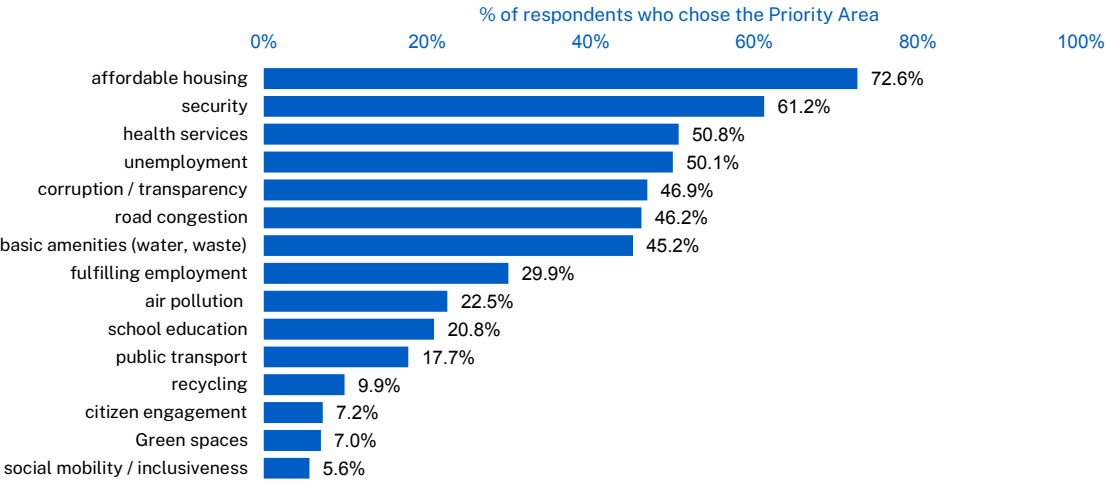
Country

Nigeria

	2019	2020	2021	2022	1 yr change
HDI	0.520	0.526	0.528	0.530	+0.002
Life expectancy at birth	52.9	52.9	52.7	53.6	+1.0
Expected years of schooling	10.1	10.3	10.5	10.5	+0.0
Mean years of schooling	7.2	7.4	7.6	7.6	+0.0
GNI per capita (PPP \$)	4,914	4,685	4,716	4,755	+39

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



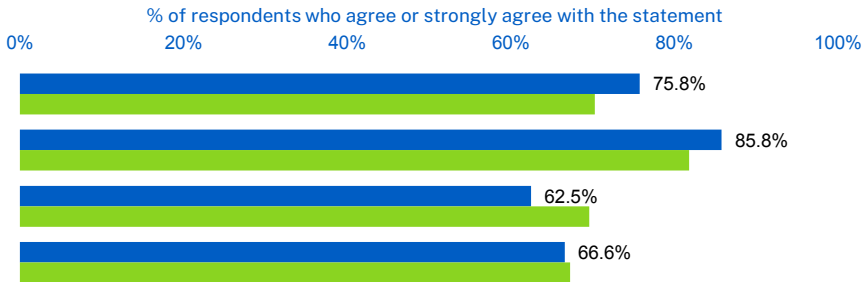
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

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Minorities feel welcome

Governance

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Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

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Mobility

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Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Lausanne

SMART CITY RANKING

10

Out of 146



7 in 2024
Out of 142

SMART CITY RATING

AAA

AA in 2024

FACTOR RATINGS

AA

STRUCTURES

AA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 120,000
(UN World Urbanization Prospects)

HDI 0.973
(Global Data Lab)



Country

Switzerland

	2019	2020	2021	2022	1 yr change
HDI	0.952	0.954	0.955	0.957	+0.002
Life expectancy at birth	83.8	83.1	84.0	84.3	+0.3
Expected years of schooling	16.3	16.4	16.6	16.6	+0.0
Mean years of schooling	13.9	13.9	13.9	13.9	+0.0
GNI per capita (PPP \$)	67,531	66,267	68,550	69,433	+882

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

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Governance

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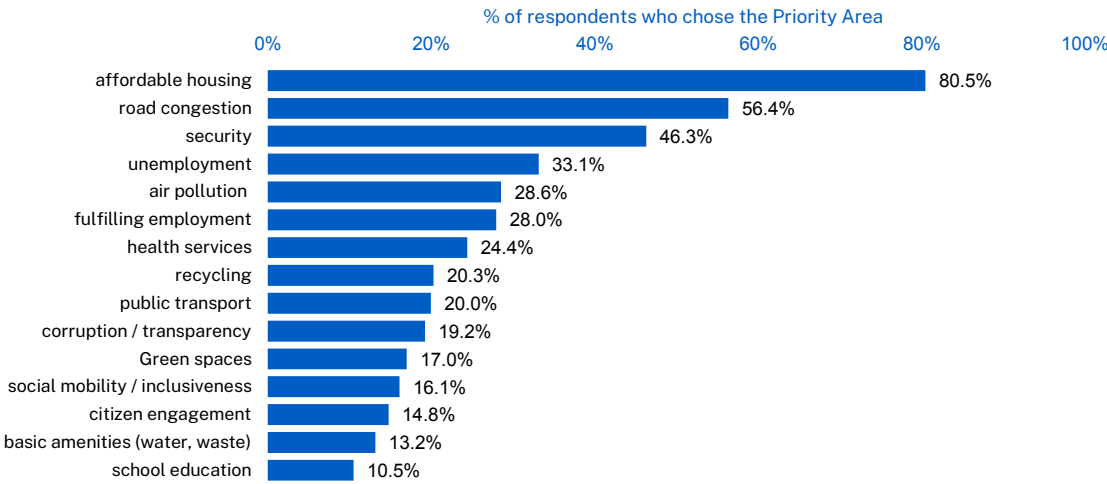
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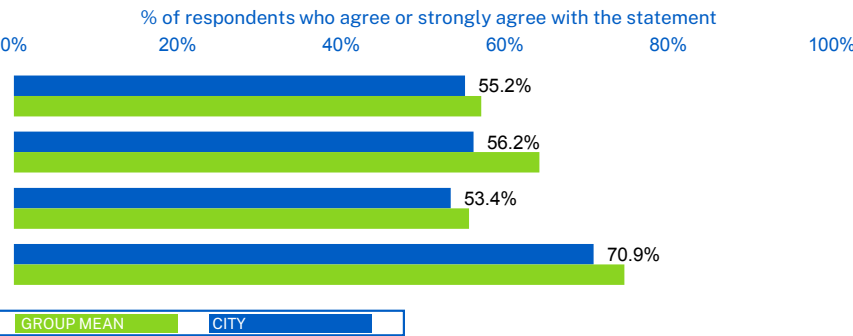
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STRUCTURES

Score

0 20 40 60 80 100

70.2

76.9

59.8

54.1

75.7

27.9

31.6

69.7

75.3

81.8

67.4

82.2

72.1

60.4

58.6

65.3

54.9

64.6

65.3

TECHNOLOGIES

Score

0 20 40 60 80 100

50.5

55.1

52.3

53.7

44.5

66.2

39.2

46.1

49.7

77.0

51.8

79.0

66.2

64.6

49.4

74.5

42.5

50.2

48.2

63.8

Leeds

SMART CITY RANKING

72

Out of 146



72 in 2024
Out of 142

SMART CITY RATING

BB

CC in 2024

FACTOR RATINGS

BB

STRUCTURES

B

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 460,000
(UN World Urbanization Prospects)

HDI 0.920
(Global Data Lab)



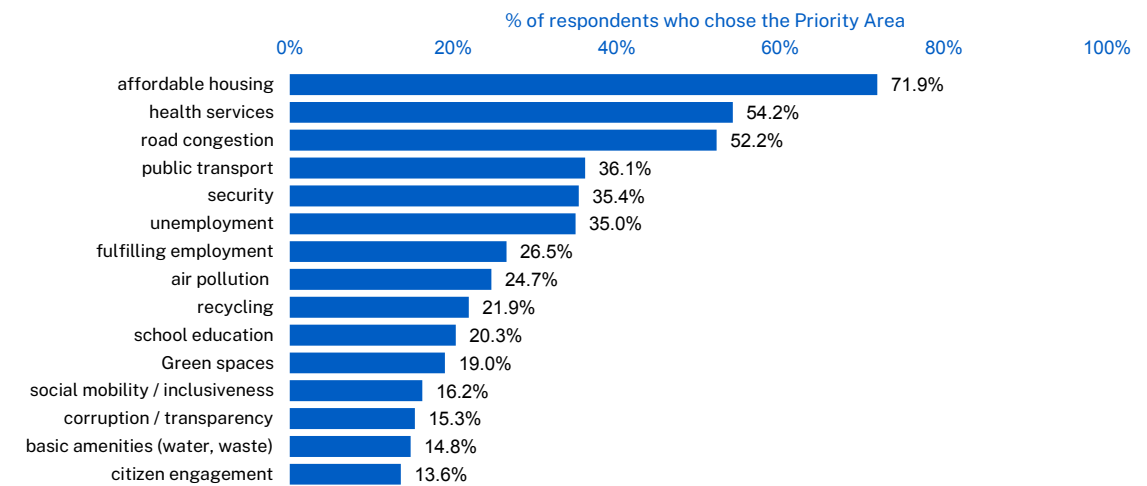
Country

United Kingdom

	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	47,066	40,799	44,750	46,624	+1,874

PRIORITY AREAS

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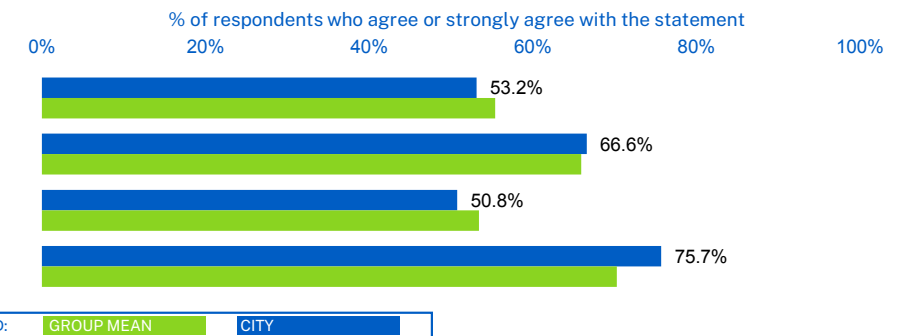
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STRUCTURES

Health & Safety

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Minorities feel welcome

Governance

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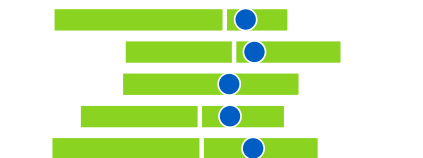
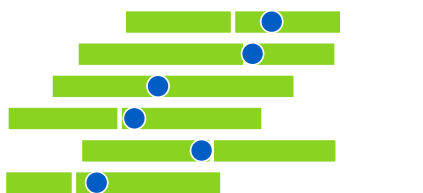
Residents contribute to decision making of local government

Residents provide feedback on local government projects



Score

0 20 40 60 80 100



Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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Mobility

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Bicycle hiring has reduced congestion

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Activities

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Governance

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Online voting has increased participation

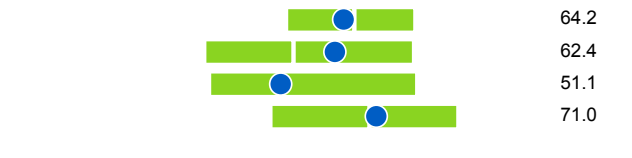
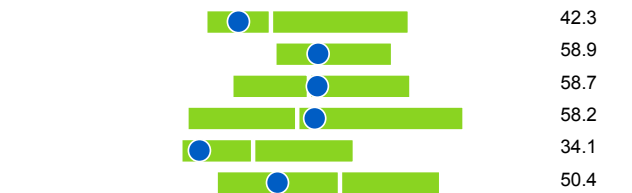
An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

TECHNOLOGIES

Score

0 20 40 60 80 100



SMART CITY RANKING

93

Out of 146



85 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,090,000
(UN World Urbanization Prospects)

HDI 0.888
(Global Data Lab)



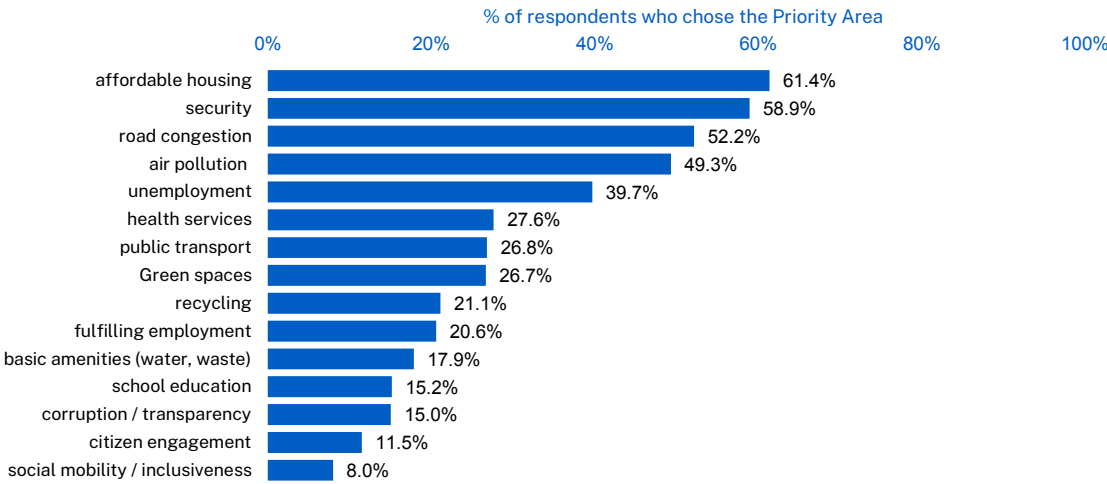
Country

France

	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP \$)	46,907	42,891	46,322	47,379	+1,057

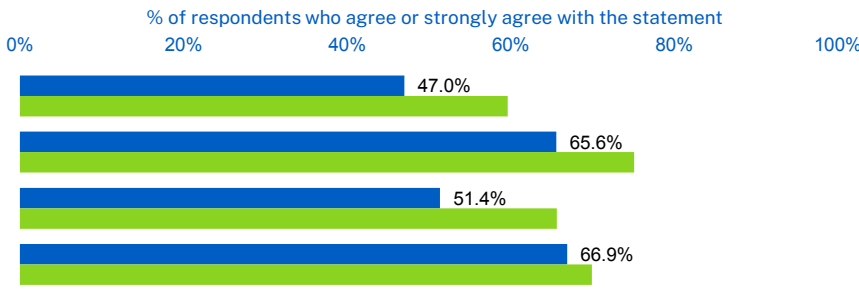
PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES

You are willing to concede personal data in order to improve traffic congestion
You are comfortable with face recognition technologies to lower crime
You feel the availability of online information has increased your trust in authorities
The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

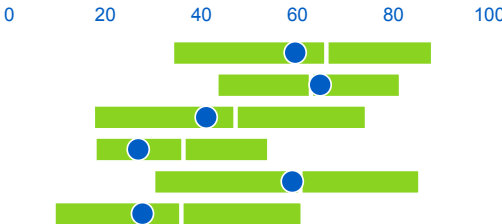
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



59.6

64.7

41.1

26.9

59.0

27.8

26.0

60.7

67.9

81.5

61.6

64.5

62.8

50.4

51.9

56.8

50.7

45.4

48.0



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

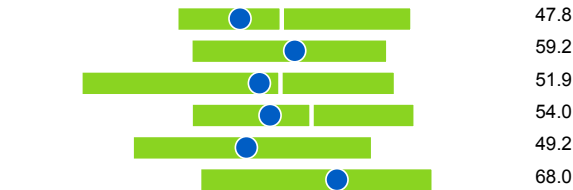
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



47.8

59.2

51.9

54.0

49.2

68.0

44.9

46.5

57.1

64.5

53.5

77.4

57.7

60.2

46.1

71.8

41.9

49.4

50.6

62.1

SMART CITY RANKING

138

Out of 146



134 in 2024
Out of 142

SMART CITY RATING

C

C in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 11,360,000
(UN World Urbanization Prospects)

HDI 0.820
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

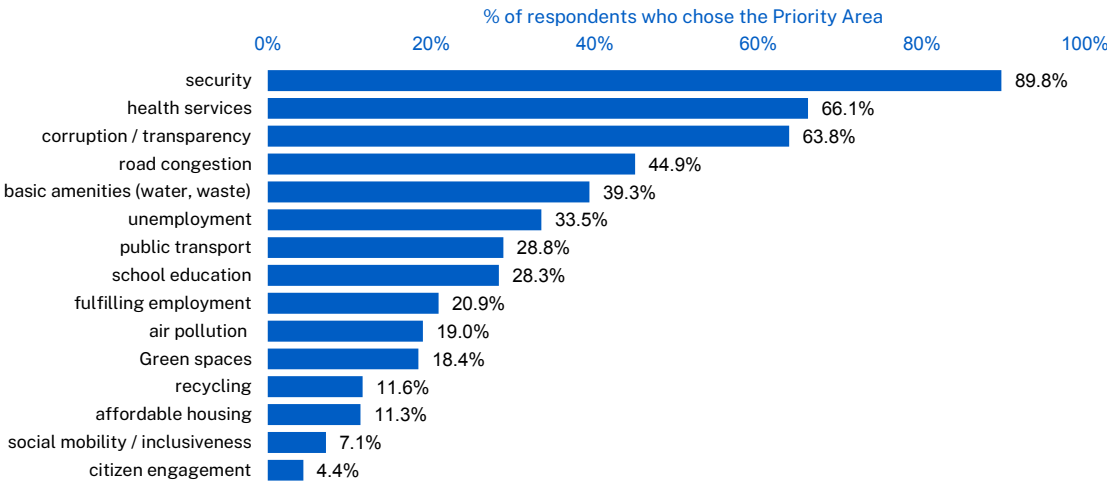
Country

Peru

	2019	2020	2021	2022	1 yr change
HDI	0.758	0.764	0.765	0.770	+0.005
Life expectancy at birth	76.2	73.7	72.4	73.4	+1.0
Expected years of schooling	14.7	14.8	14.8	14.8	+0.0
Mean years of schooling	9.9	10.0	10.0	10.0	+0.0
GNI per capita (PPP \$)	12,279	10,894	11,510	11,916	+407

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



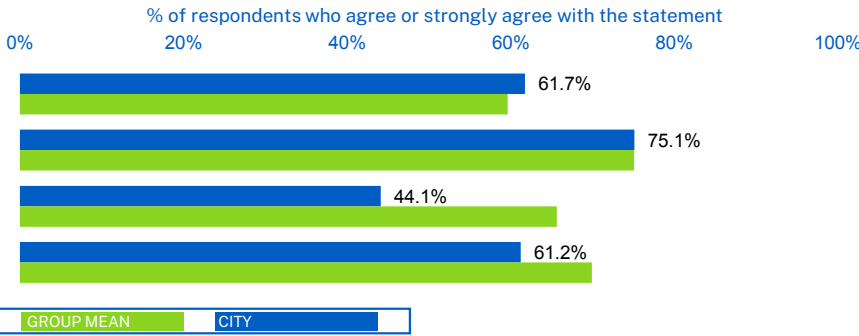
ATTITUDES

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You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

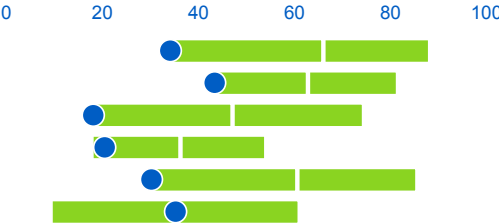
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

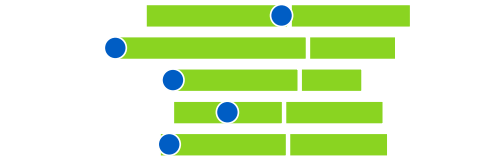
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



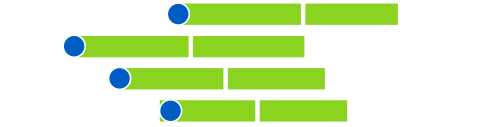
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

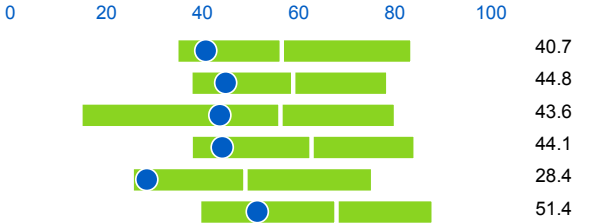
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

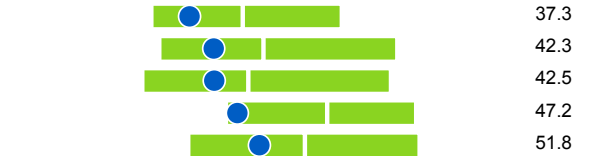
Car-sharing Apps have reduced congestion

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The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



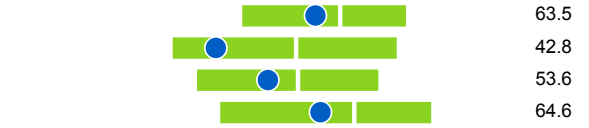
Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Lisbon

SMART CITY RANKING

115

Out of 146



108 in 2024
Out of 142

SMART CITY RATING

CC

C in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 3,010,000
(UN World Urbanization Prospects)

HDI 0.907
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Portugal

	2019	2020	2021	2022	1 yr change
HDI	0.850	0.851	0.857	0.858	+0.001
Life expectancy at birth	81.7	81.1	81.0	82.2	+1.2
Expected years of schooling	16.6	16.7	16.8	16.8	+0.0
Mean years of schooling	9.3	9.6	9.6	9.6	+0.0
GNI per capita (PPP \$)	34,036	31,510	33,275	35,315	+2,040

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

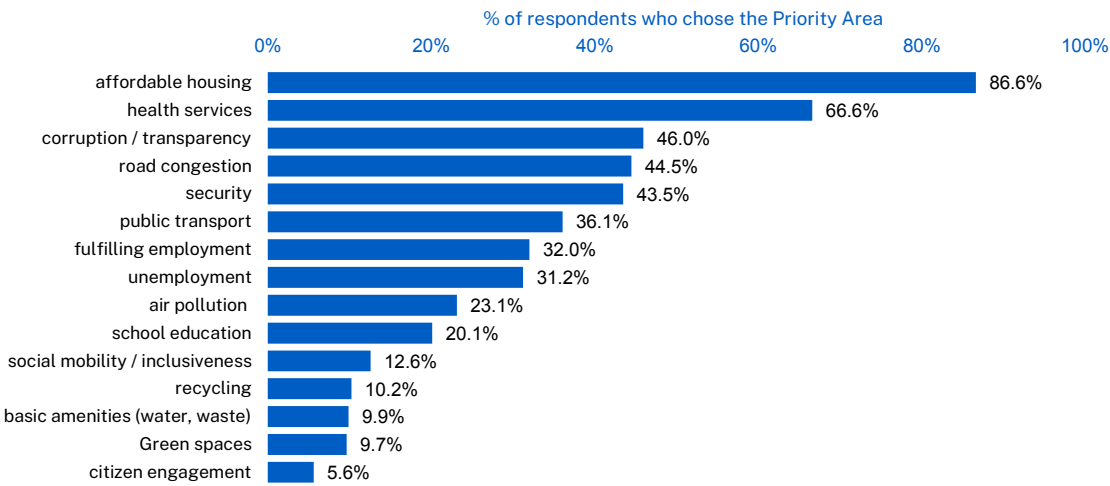
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

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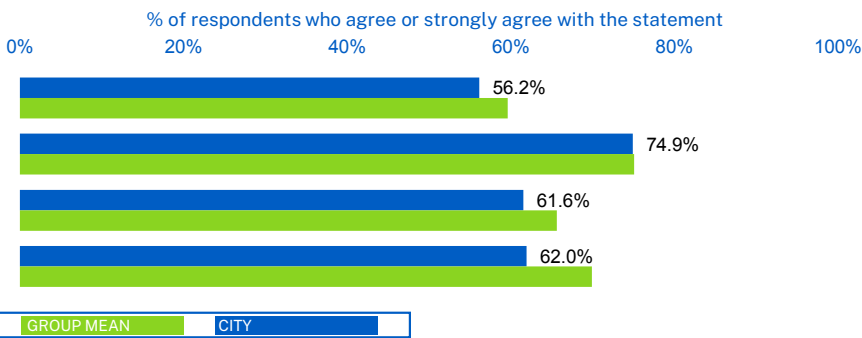
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

60.8

63.7

46.4

33.7

31.7

9.5

15.8

38.1

60.8

76.1

37.5

47.8

43.6

44.3

47.4

43.6

17.1

32.2

31.8

TECHNOLOGIES

Score

0 20 40 60 80 100

40.4

55.1

54.3

54.1

40.4

55.2

34.7

41.9

44.6

63.1

45.7

81.6

66.9

51.3

54.1

70.1

28.0

43.0

43.1

64.1

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Ljubljana

SMART CITY RANKING

16

Out of 146



32 in 2024
Out of 142

SMART CITY RATING

AA

BBB in 2024

FACTOR RATINGS

AA

STRUCTURES

AA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 270,000
(UN World Urbanization Prospects)

HDI 0.970
(Global Data Lab)



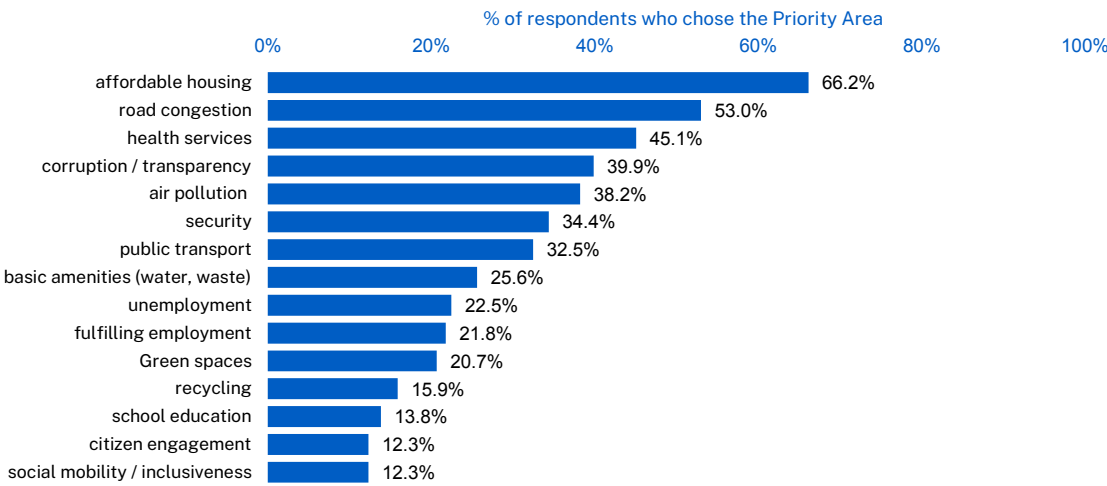
Country

Slovenia

	2019	2020	2021	2022	1 yr change
HDI	0.903	0.909	0.912	0.916	+0.004
Life expectancy at birth	81.6	80.4	80.7	82.1	+1.4
Expected years of schooling	17.3	17.3	17.4	17.4	+0.0
Mean years of schooling	12.8	12.9	12.9	12.9	+0.0
GNI per capita (PPP \$)	38,436	36,848	39,478	41,587	+2,109

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



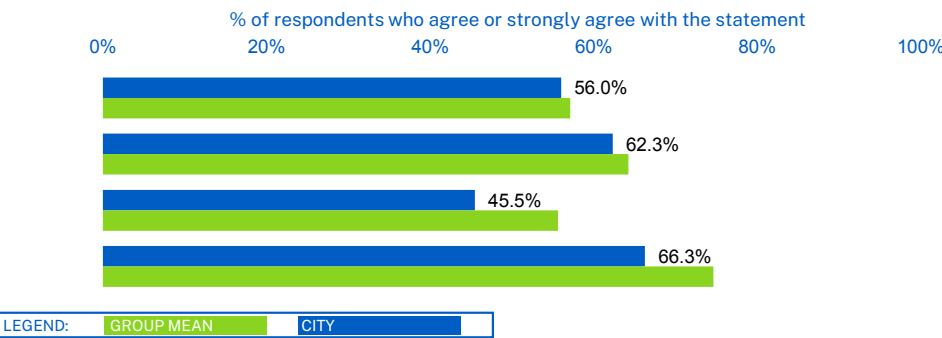
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

Health & Safety

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Activities

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Opportunities (Work & School)

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IT skills are taught well in schools

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The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



London

SMART CITY RANKING

6

Out of 146



8 in 2024
Out of 142

SMART CITY RATING

AA

A in 2024

FACTOR RATINGS

AAA

STRUCTURES

AAA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 9,750,000
(UN World Urbanization Prospects)

HDI 0.984
(Global Data Lab)



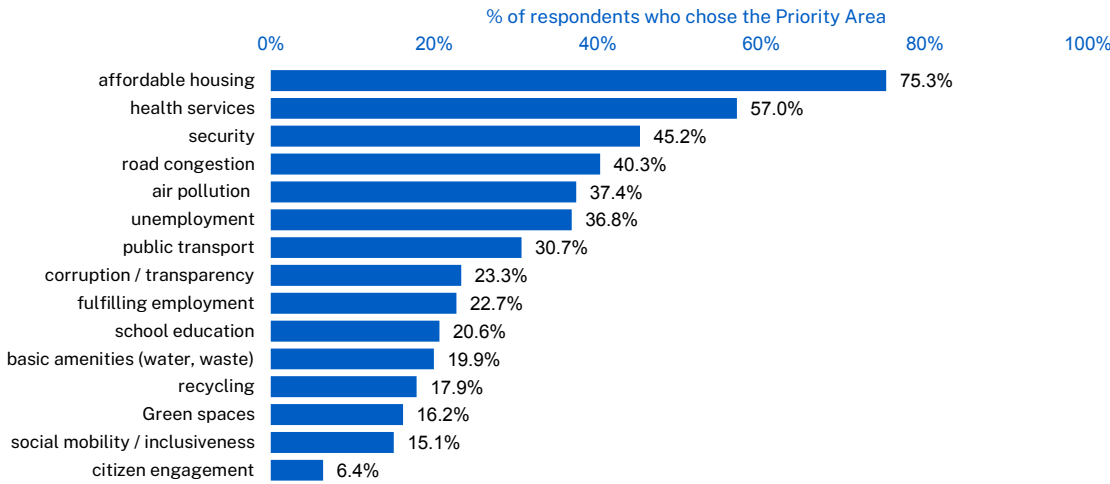
Country

United Kingdom

	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	47,066	40,799	44,750	46,624	+1,874

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



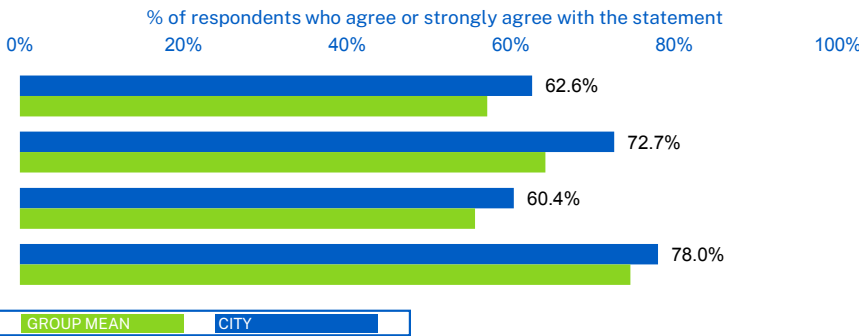
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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

Health & Safety

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Activities

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Opportunities (Work & School)

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IT skills are taught well in schools

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The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Los Angeles

SMART
CITY
RANKING

91
Out of 146



68 in 2024
Out of 142

SMART
CITY RATING

B

BB in 2024

FACTOR
RATINGS

B

STRUCTURES

BB

TECHNOLOGIES

GROUP

2

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 3,800,000
(UN World Urbanization Prospects)

HDI 0.935
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

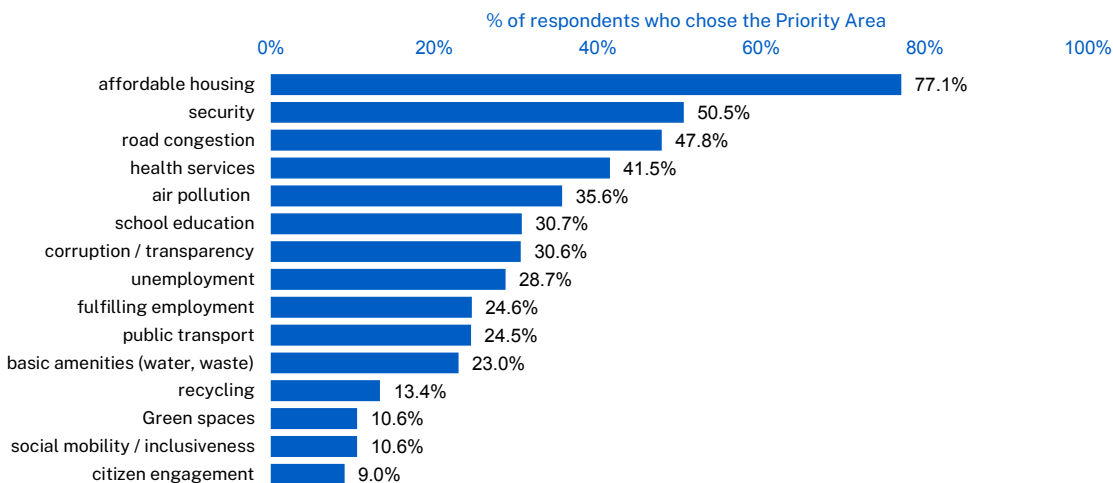
Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

PRIORITY AREAS

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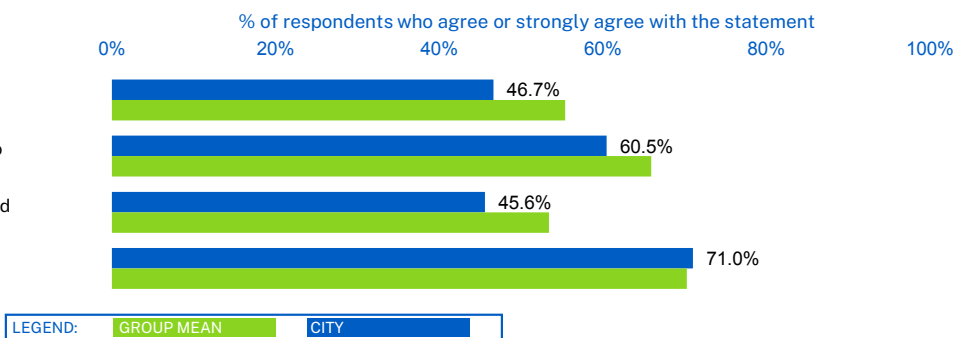
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Health & Safety

Basic sanitation meets the needs of the poorest areas

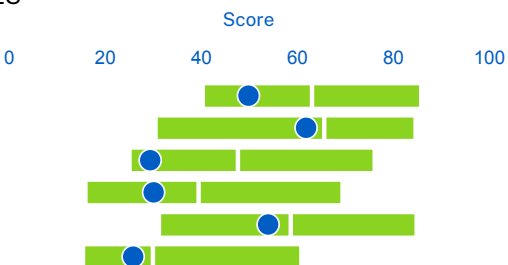
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Opportunities (Work & School)

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Minorities feel welcome



Governance

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TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

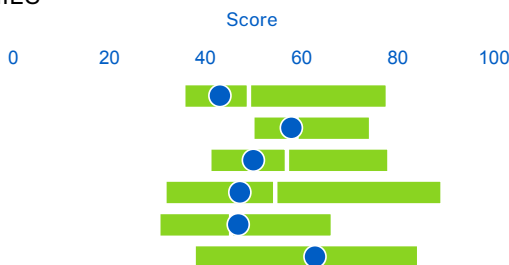
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Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

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Opportunities (Work & School)

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The current internet speed and reliability meet connectivity needs



Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Luxembourg

SMART CITY RANKING

31

Out of 146



27 in 2024
Out of 142

SMART CITY RATING

A

BBB in 2024

FACTOR RATINGS

A

STRUCTURES

BBB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 130,000
(UN Data)

HDI 0.927
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Luxembourg

	2019	2020	2021	2022	1 yr change
HDI	0.914	0.922	0.918	0.921	+0.003
Life expectancy at birth	82.1	81.4	82.6	82.6	-0.0
Expected years of schooling	14.2	14.2	14.2	14.2	+0.0
Mean years of schooling	13.0	13.0	13.0	13.0	+0.0
GNI per capita (PPP \$)	77,423	76,504	78,651	78,554	-96

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

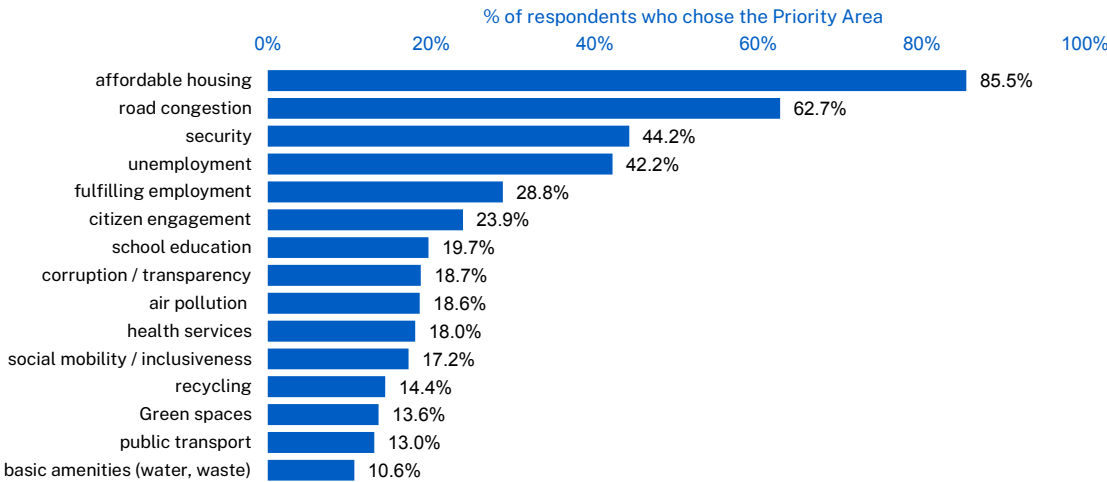
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



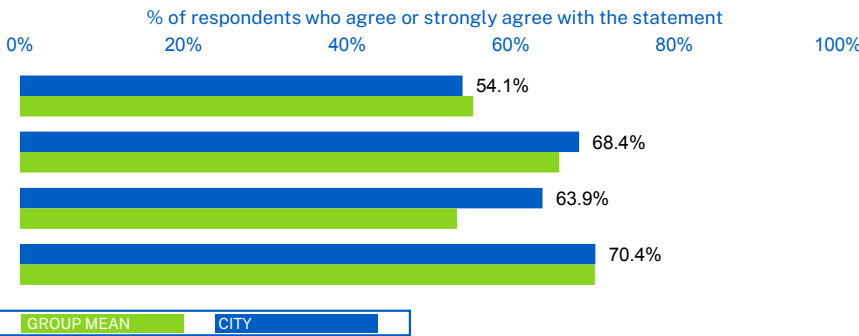
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

77.2

84.6

68.2

60.6

80.9

15.7

30.6

76.5

81.6

77.6

65.6

85.9

77.1

62.2

68.8

69.8

58.9

58.6

58.0



TECHNOLOGIES

Score

0 20 40 60 80 100

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

56.5

58.4

66.9

49.1

35.8

74.5

35.8

44.5

51.7

58.8

58.8

79.9

68.4

56.0

51.5

75.2

44.5

45.8

48.5

67.6

SMART CITY RANKING

73
Out of 146



61 in 2024
Out of 142

SMART CITY RATING

B

BB in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,770,000
(UN World Urbanization Prospects)

HDI 0.923
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

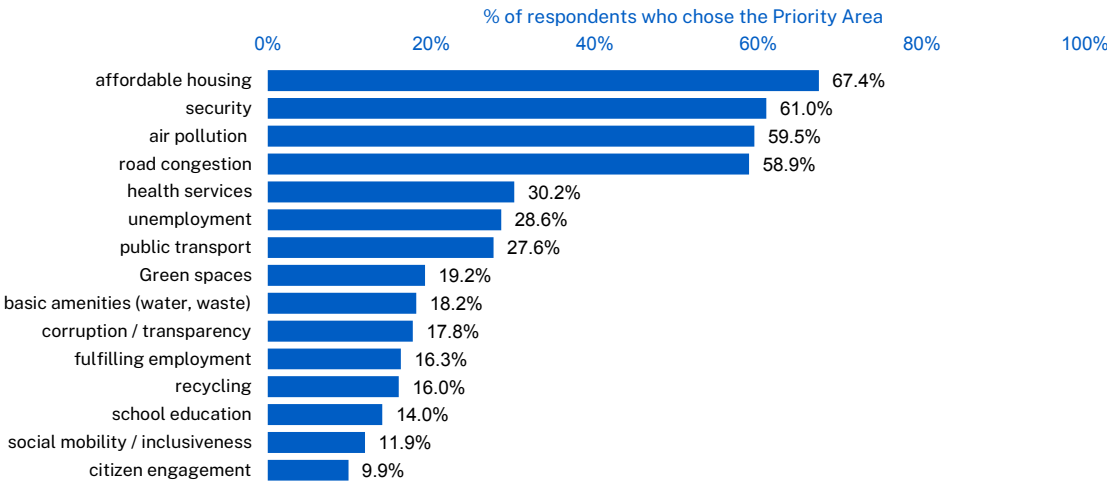
Country

France

	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP \$)	46,907	42,891	46,322	47,379	+1,057

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



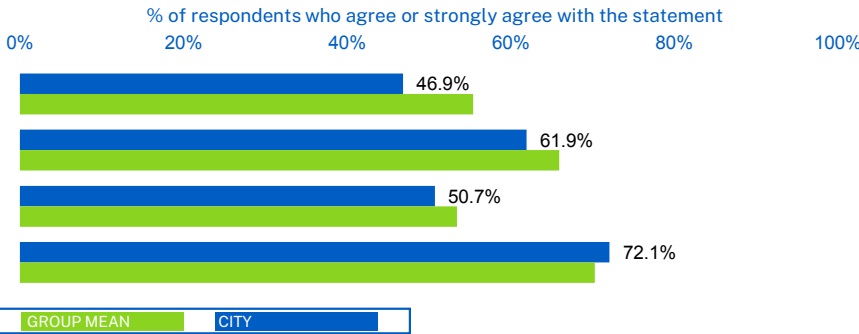
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

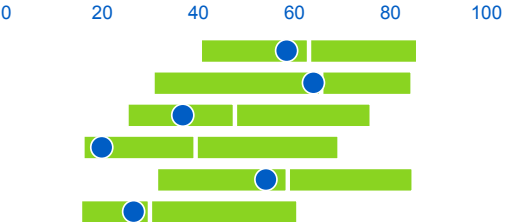
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

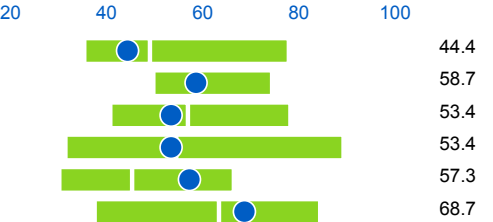
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Madrid

SMART CITY RANKING

38

Out of 146



35 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

BBB

STRUCTURES

A

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 6,780,000
(UN World Urbanization Prospects)

HDI 0.942
(Global Data Lab)



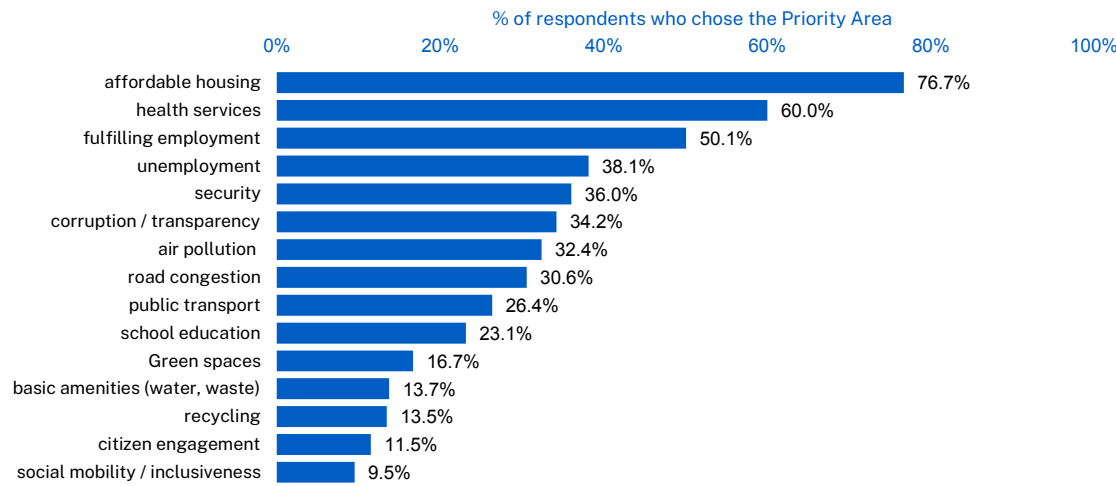
Country

Spain

	2019	2020	2021	2022	1 yr change
HDI	0.889	0.894	0.896	0.899	+0.003
Life expectancy at birth	83.5	82.3	83.0	83.9	+0.9
Expected years of schooling	17.5	17.5	17.8	17.8	+0.0
Mean years of schooling	10.4	10.6	10.6	10.6	+0.0
GNI per capita (PPP \$)	40,854	36,076	38,133	40,043	+1,911

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



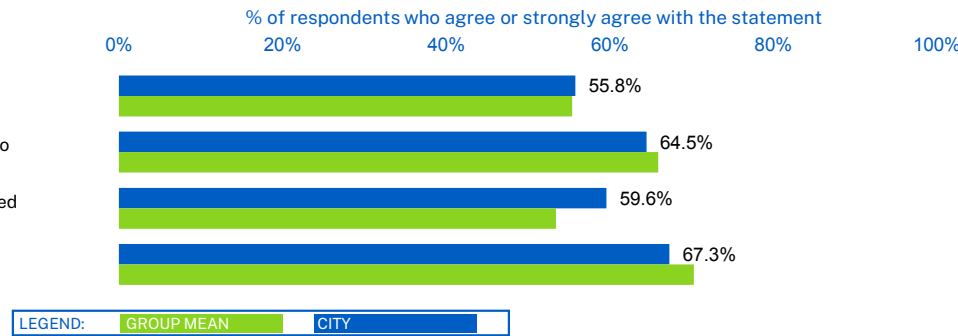
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

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Mobility

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Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

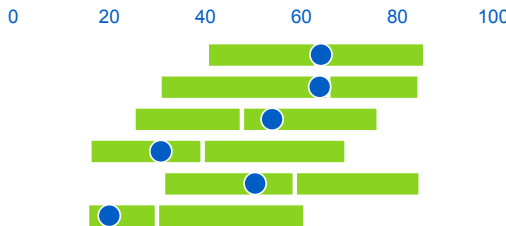
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score



TECHNOLOGIES

Health & Safety

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IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

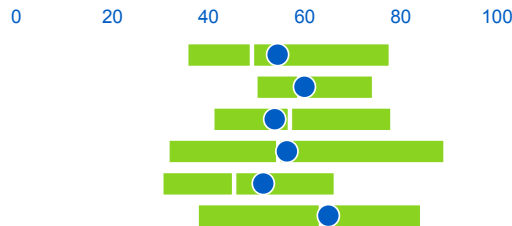
Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score



Makassar

SMART CITY RANKING

114

Out of 146



115 in 2024
Out of 142

SMART CITY RATING

CC

CC in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,700,000
(UN World Urbanization Prospects)

HDI 0.707
(Global Data Lab)



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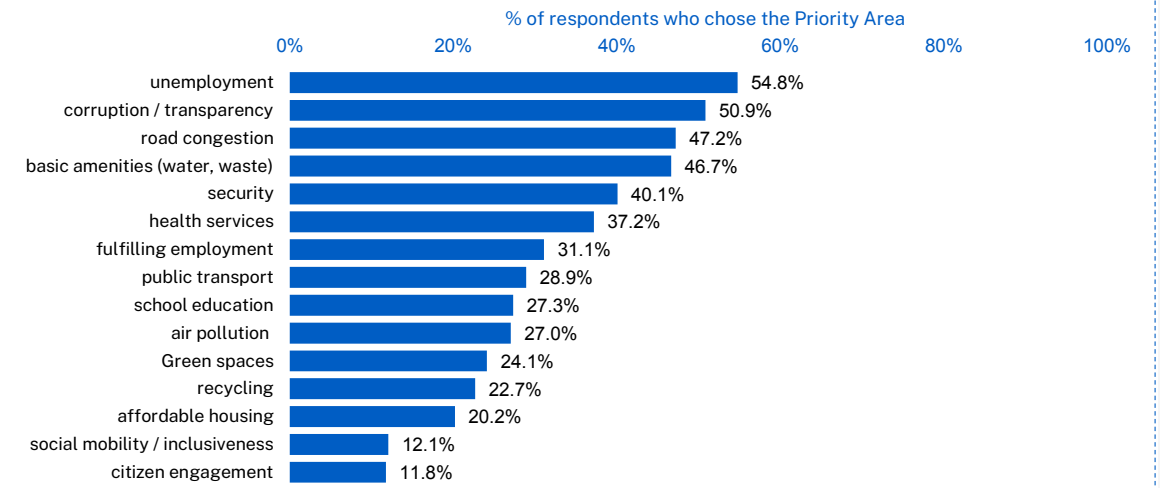
Country

Indonesia

	2019	2020	2021	2022	1 yr change
HDI	0.698	0.701	0.708	0.712	+0.004
Life expectancy at birth	70.5	68.8	67.6	68.3	+0.7
Expected years of schooling	13.9	14.0	14.0	14.0	+0.0
Mean years of schooling	8.4	8.6	8.6	8.6	+0.0
GNI per capita (PPP \$)	11,498	11,206	11,531	12,046	+514

PRIORITY AREAS

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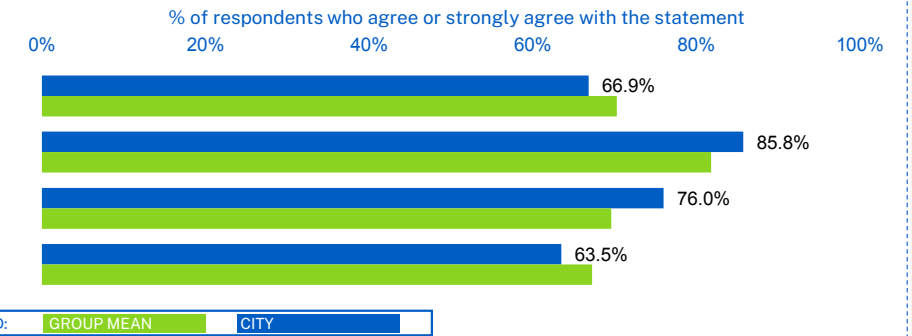
ATTITUDES

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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Minorities feel welcome

Governance

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Health & Safety

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

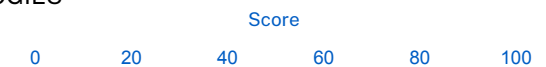
Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

TECHNOLOGIES



Manama

SMART
CITY
RANKING

36

Out of 146

not in 2024

SMART
CITY RATING

BB

not in 2024

FACTOR
RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 740,000
(UN World Urbanization Prospects)

HDI 0.888
(Global Data Lab)



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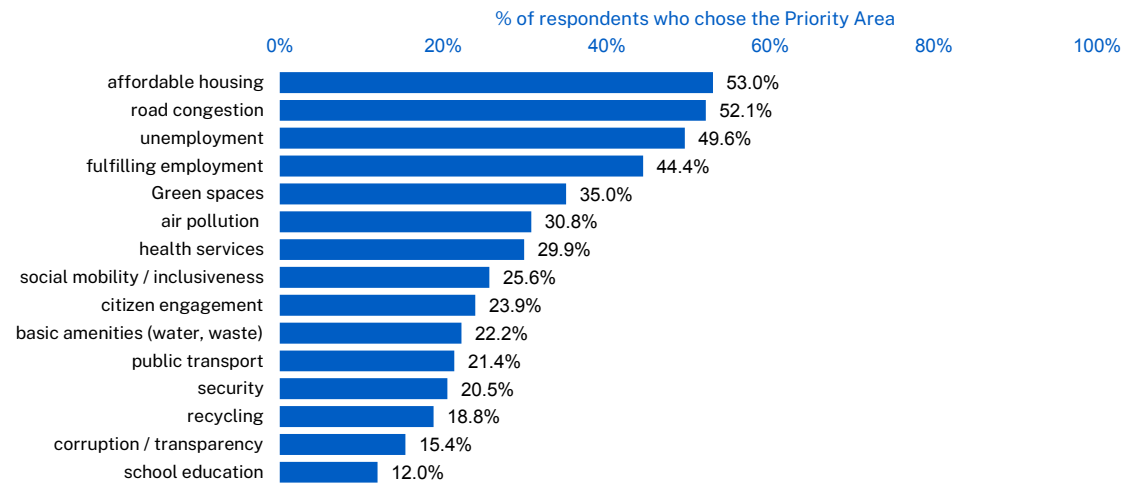
Country

Bahrain

	2019	2020	2021	2022	1 yr change
HDI	0.859	0.862	0.867	0.880	+0.013
Life expectancy at birth	80.0	79.2	78.8	79.2	+0.5
Expected years of schooling	16.4	16.4	16.3	16.3	-0.0
Mean years of schooling	10.8	11.0	11.0	11.0	+0.0
GNI per capita (PPP \$)	46,857	44,781	46,757	48,731	+1,974

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



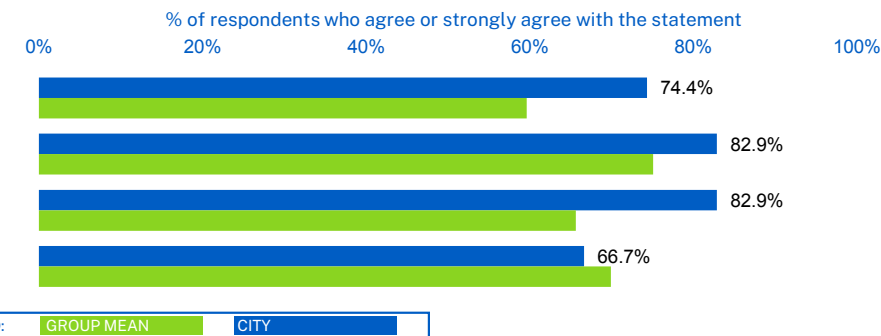
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

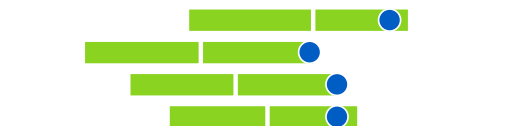
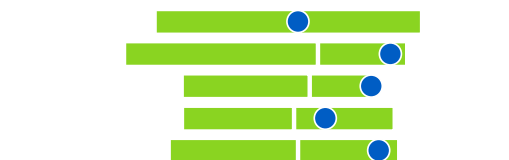
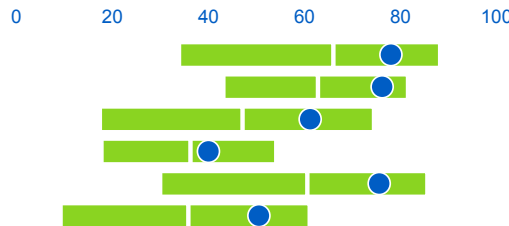
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

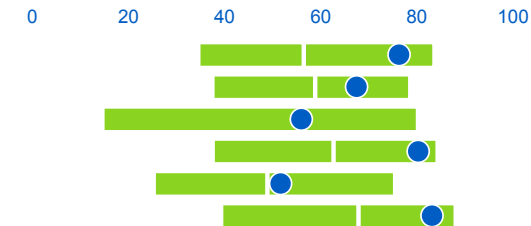
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Manchester

SMART CITY RANKING

64

Out of 146



71 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

BB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,810,000
(UN World Urbanization Prospects)

HDI 0.927
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

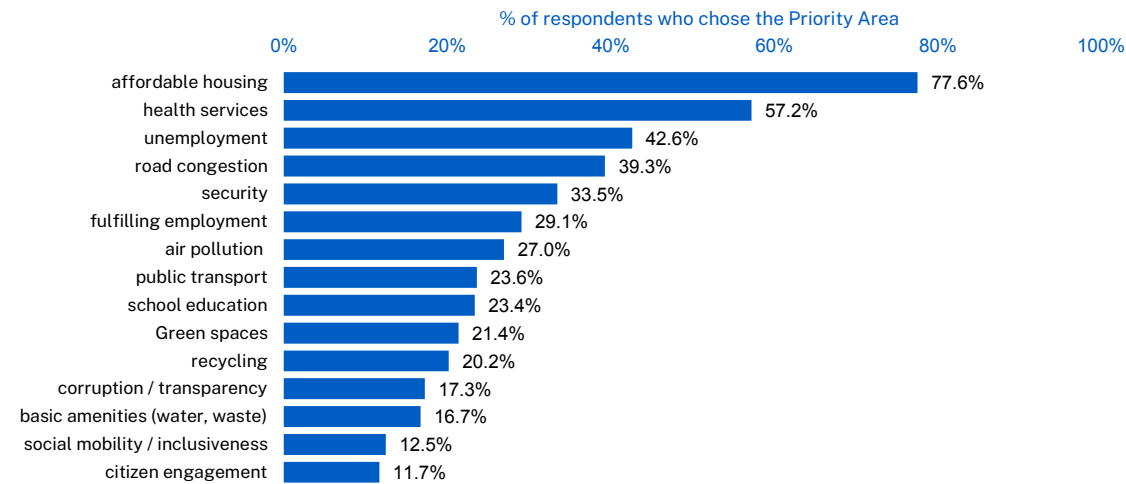
Country

United Kingdom

	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	47,066	40,799	44,750	46,624	+1,874

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



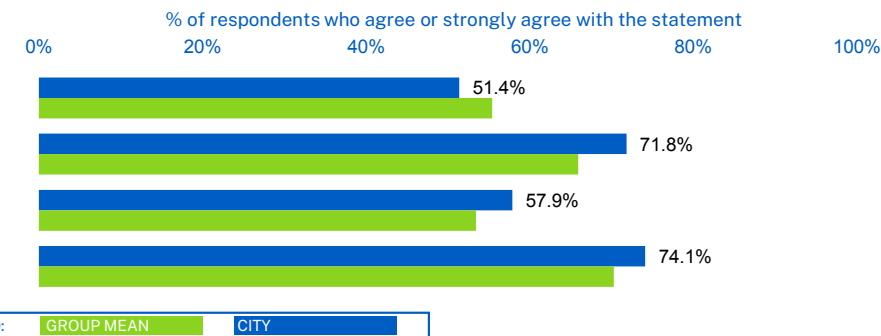
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

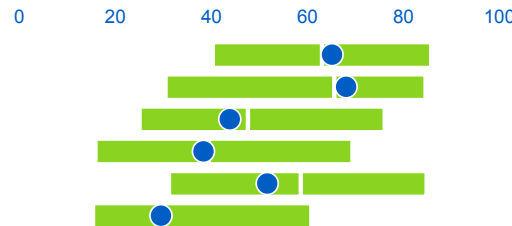
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



65.2

68.1

43.9

38.4

51.7

29.5

Mobility

Traffic congestion is not a problem

Public transport is satisfactory



27.2

59.7

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



62.9

75.3

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



64.3

67.9

62.2

60.8

66.6

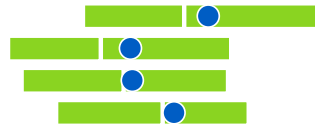
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



62.5

46.3

46.7

55.4

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

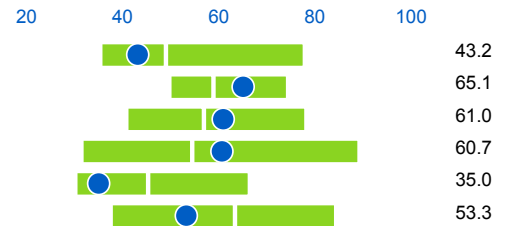
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



43.2

65.1

61.0

60.7

35.0

53.3

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



42.4

42.8

48.5

62.7

55.6

Activities

Online purchasing of tickets to shows and museums has made it easier to attend



75.8

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



68.8

64.9

51.3

73.9

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



43.3

60.2

47.7

59.5

Manila

SMART CITY RANKING

125

Out of 146



121 in 2024
Out of 142

SMART CITY RATING

C

C in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 14,940,000
(UN World Urbanization Prospects)

HDI 0.743
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Philippines

	2019	2020	2021	2022	1 yr change
HDI	0.696	0.696	0.700	0.706	+0.006
Life expectancy at birth	71.9	72.1	69.3	72.2	+2.9
Expected years of schooling	13.0	12.8	12.8	12.8	+0.0
Mean years of schooling	9.0	9.0	9.0	9.0	+0.0
GNI per capita (PPP \$)	9,590	8,355	8,369	9,059	+690

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

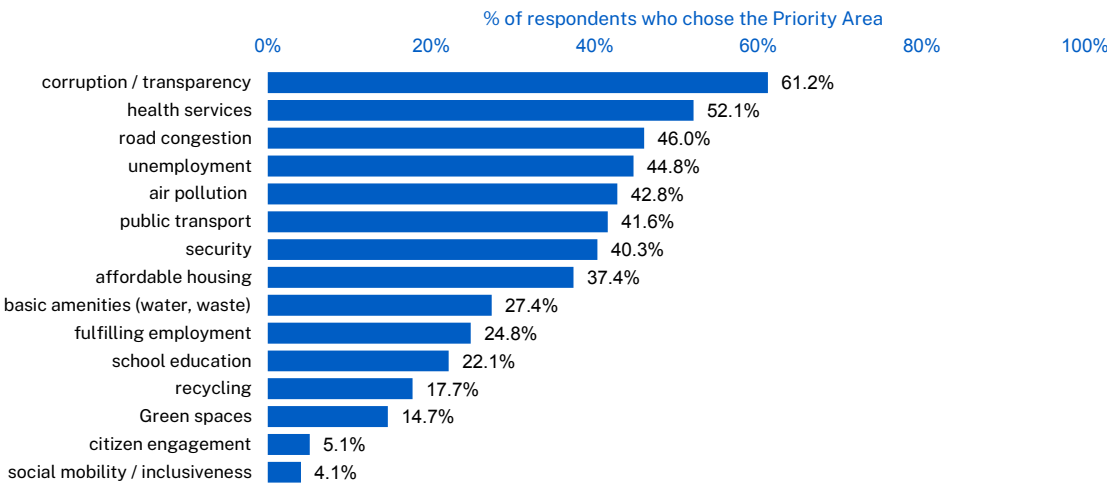
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



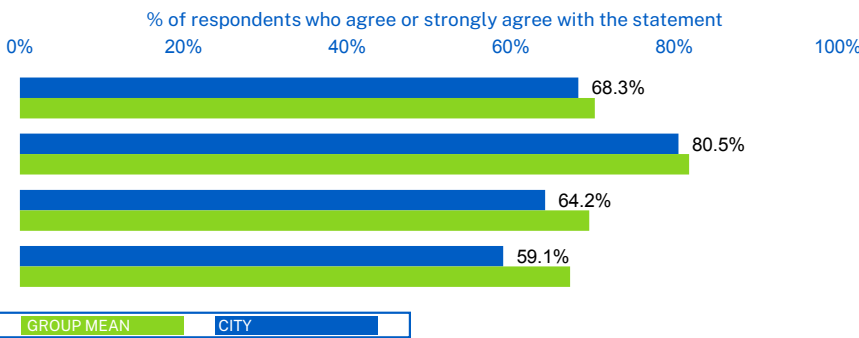
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

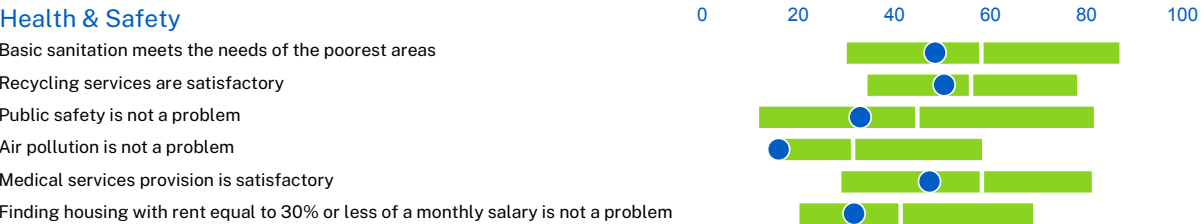
You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score



Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

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Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Marseille

SMART CITY RANKING

107

Out of 146



104 in 2024
Out of 142

SMART CITY RATING

CCC

CC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,640,000
(UN World Urbanization Prospects)

HDI 0.912
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

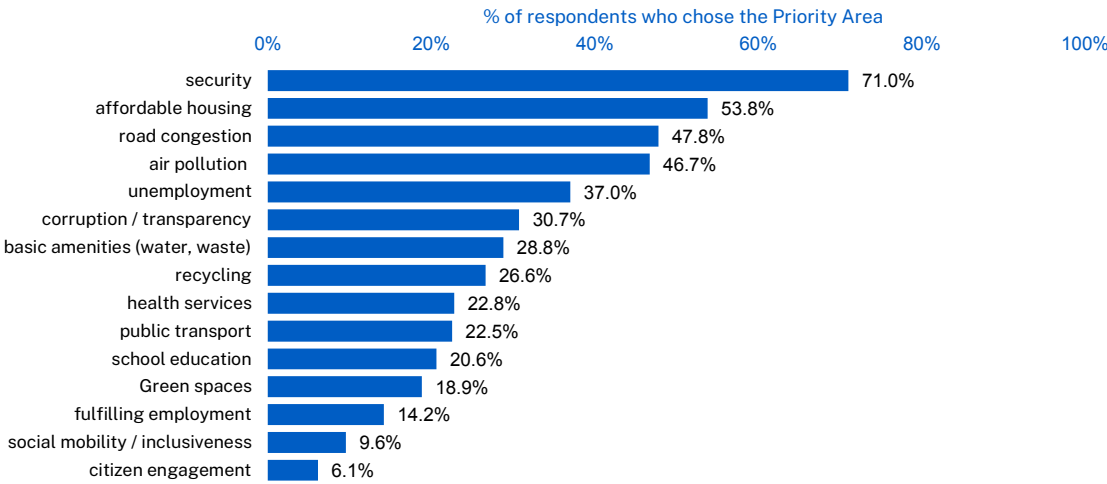
Country

France

	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP \$)	46,907	42,891	46,322	47,379	+1,057

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



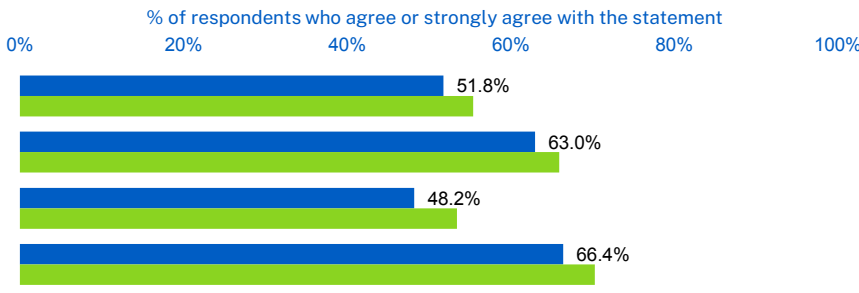
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

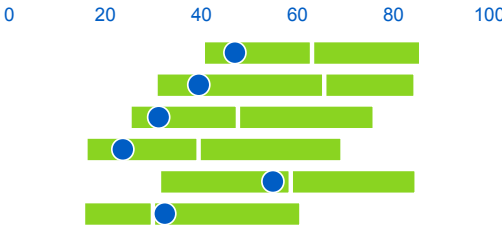
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



47.0

39.5

31.1

23.7

54.9

32.4

Mobility

Traffic congestion is not a problem

Public transport is satisfactory



25.0

52.1

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



56.0

68.7

Opportunities (Work & School)

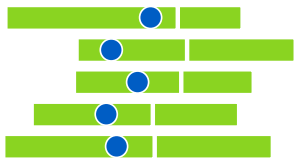
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



55.7

47.5

53.0

46.4

48.6

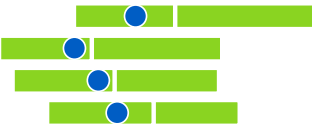
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



49.2

36.5

41.5

45.4

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

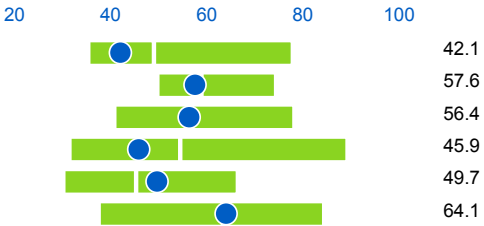
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



42.1

57.6

56.4

45.9

49.7

64.1

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



41.6

45.9

53.1

60.5

55.9

Activities

Online purchasing of tickets to shows and museums has made it easier to attend



73.0

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



52.8

53.2

45.5

61.6

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



35.9

48.9

43.8

58.6

Mecca

SMART CITY RANKING

39

Out of 146



52 in 2024
Out of 142

SMART CITY RATING

BB

B in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,180,000
(UN World Urbanization Prospects)

HDI 0.871
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Saudi Arabia

	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP \$)	47,529	45,563	47,441	50,620	+3,179

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

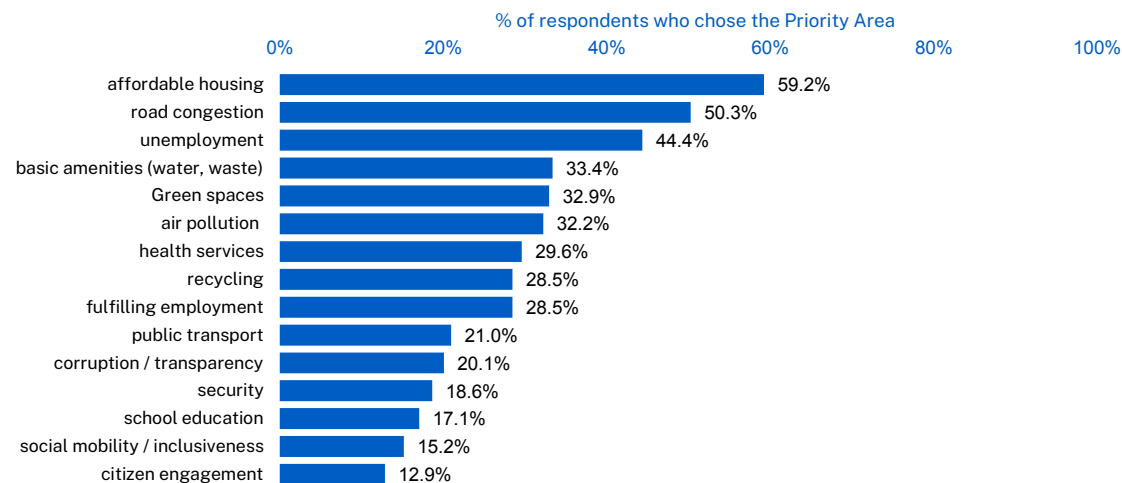
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



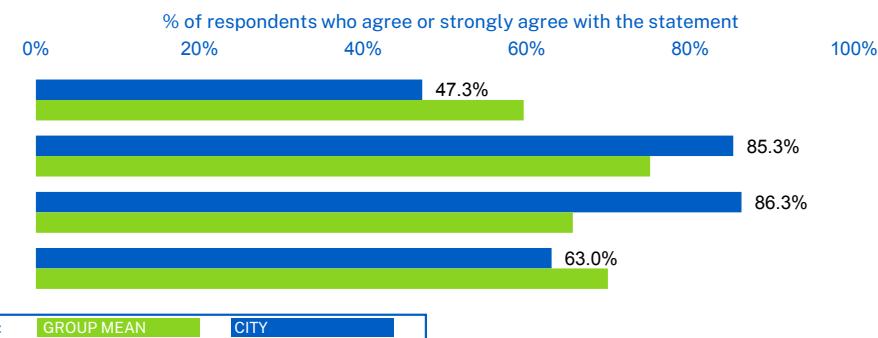
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

82.7

73.2

50.5

37.4

80.3

56.3

40.0

71.8

66.7

73.7

59.2

81.4

72.1

66.7

71.5

80.1

49.7

58.1

58.0

TECHNOLOGIES

Score

0 20 40 60 80 100

75.7

68.3

61.6

77.5

60.6

83.5

65.1

71.5

51.9

77.7

70.5

81.2

74.7

75.7

76.7

79.6

70.3

70.1

73.4

83.2

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Medan

SMART CITY RANKING

113

Out of 146



112 in 2024
Out of 142

SMART CITY RATING

CC

CC in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,480,000
(UN World Urbanization Prospects)

HDI 0.719
(Global Data Lab)



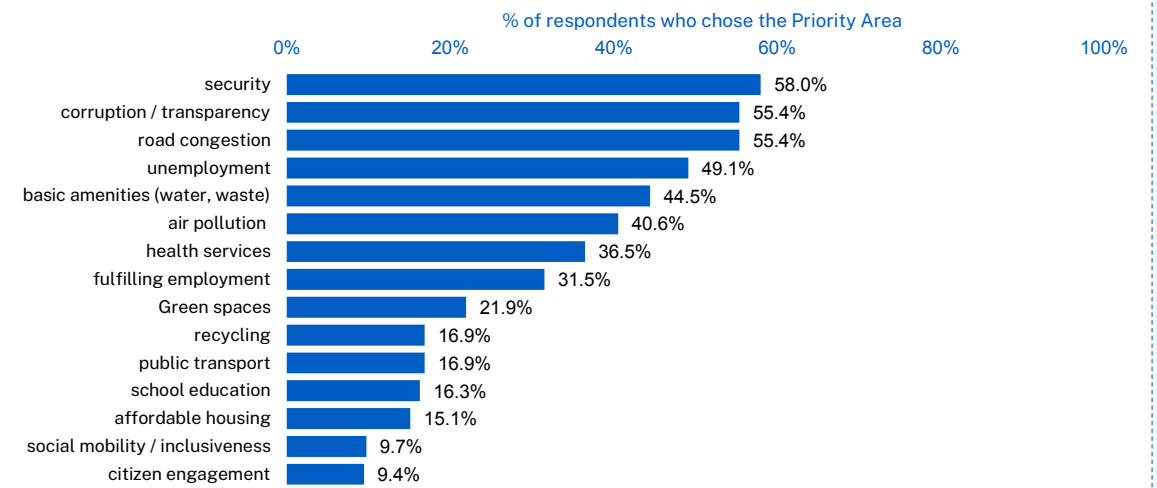
Country

Indonesia

	2019	2020	2021	2022	1 yr change
HDI	0.698	0.701	0.708	0.712	+0.004
Life expectancy at birth	70.5	68.8	67.6	68.3	+0.7
Expected years of schooling	13.9	14.0	14.0	14.0	+0.0
Mean years of schooling	8.4	8.6	8.6	8.6	+0.0
GNI per capita (PPP \$)	11,498	11,206	11,531	12,046	+514

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



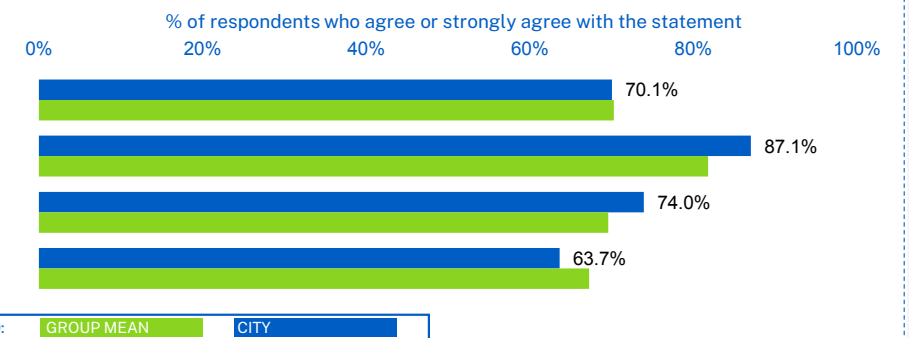
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

60.9

53.2

44.7

33.0

65.6

58.1

28.5

58.1

61.9

69.4

58.8

67.2

54.9

78.3

73.8

61.8

22.4

58.5

54.1

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

55.7

57.5

57.7

68.1

56.9

73.2

56.6

54.3

52.6

76.9

61.3

74.7

77.6

66.9

70.3

72.3

47.3

57.3

62.3

75.0

Medellin

SMART CITY RANKING

118

Out of 146



119 in 2024
Out of 142

SMART CITY RATING

CC

C in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 4,140,000
(UN World Urbanization Prospects)

HDI 0.763
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Colombia

	2019	2020	2021	2022	1 yr change
HDI	0.758	0.763	0.765	0.766	+0.001
Life expectancy at birth	76.8	74.8	72.8	73.7	+0.8
Expected years of schooling	14.5	14.4	14.4	14.4	+0.0
Mean years of schooling	8.6	8.9	8.9	8.9	+0.0
GNI per capita (PPP \$)	14,294	13,220	14,403	15,014	+611



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

0

20

40

60

80

100

55.1

62.2

33.2

27.6

49.2

30.7

24.0

63.6

76.3

78.2

64.7

59.8

63.1

57.2

54.1

52.1

27.4

37.9

47.9

PRIORITY AREAS

From a list of 15

indicators, survey

respondents were asked

to select 5 that they

perceived as the most

urgent for their city. The

higher the percentage of

responses per area, the

greater the priority for the

city.

% of respondents who chose the Priority Area

0%

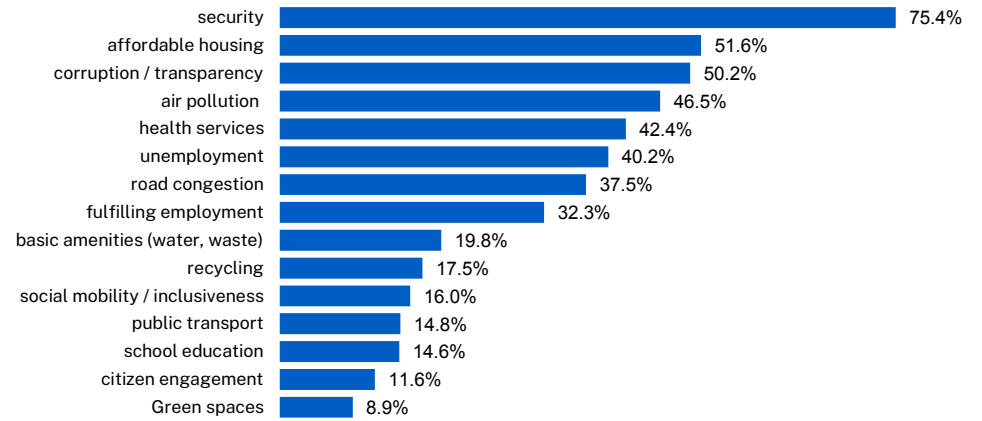
20%

40%

60%

80%

100%



ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)

% of respondents who agree or strongly agree with the statement

0%

20%

40%

60%

80%

100%



LEGEND: GROUP MEAN CITY

LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

0

20

40

60

80

100

49.4

48.8

64.8

58.3

56.1

65.1

46.6

50.2

53.9

64.8

63.5

77.8

65.8

60.4

60.7

72.5

36.6

38.6

47.2

66.1

Medina

SMART CITY RANKING

67

Out of 146



74 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,600,000
(UN World Urbanization Prospects)

HDI 0.871
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

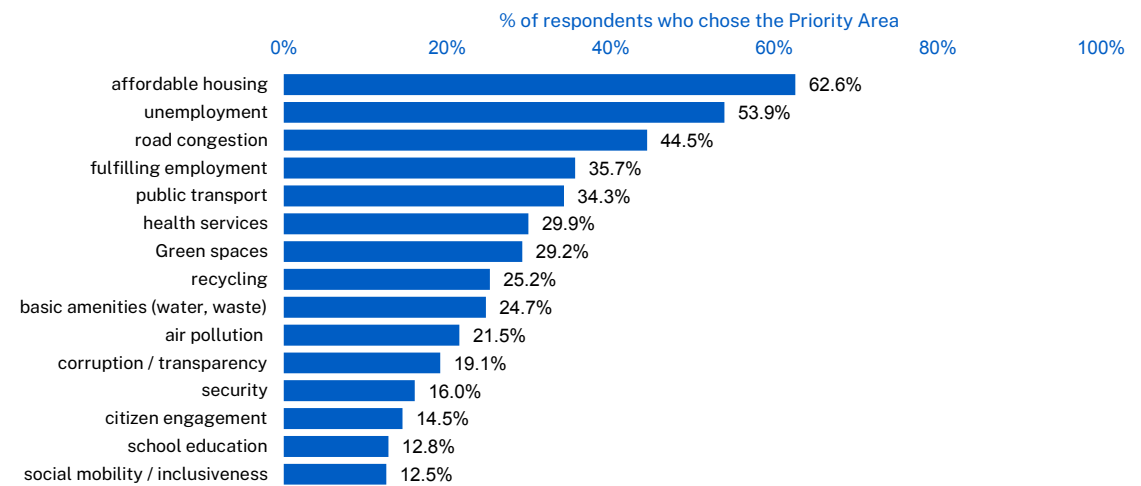
Country

Saudi Arabia

	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP \$)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



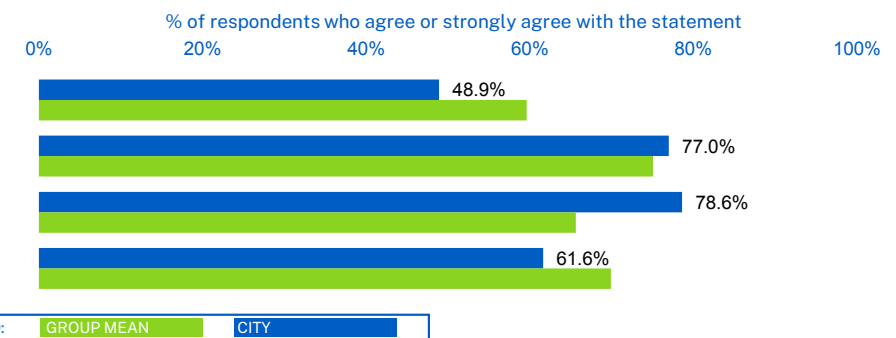
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

79.2

69.3

45.4

27.4

76.2

47.9

33.2

63.3

63.1

72.3

48.1

74.5

64.8

52.9

67.3

75.8

46.0

57.1

55.7

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

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Mobility

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Apps that direct you to an available parking space have reduced journey time

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Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

72.5

65.9

59.0

76.4

54.3

80.6

58.1

65.0

59.1

72.6

64.3

74.6

66.3

68.3

73.2

74.2

64.1

65.7

68.3

78.3

Melbourne

SMART
CITY
RANKING

44

Out of 146



33 in 2024
Out of 142

SMART
CITY RATING

BBB

A in 2024

FACTOR
RATINGS

BBB

STRUCTURES

BB

TECHNOLOGIES

GROUP

2

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 5,320,000
(UN World Urbanization Prospects)

HDI 0.942
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

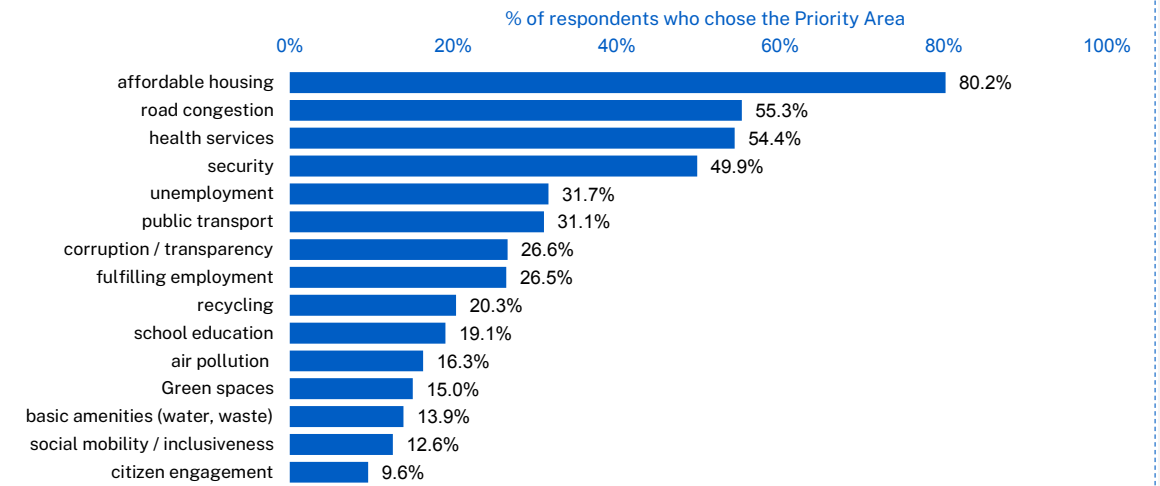
Country

Australia

	2019	2020	2021	2022	1 yr change
HDI	0.933	0.936	0.937	0.941	+0.004
Life expectancy at birth	83.1	84.3	84.5	83.6	-0.9
Expected years of schooling	21.4	20.9	21.1	21.1	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP \$)	47,054	48,075	48,076	49,257	+1,181

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



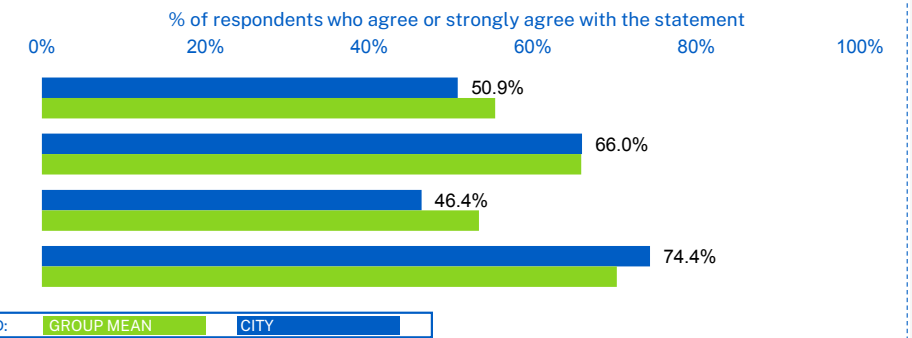
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

69.6

69.6

38.8

52.7

60.3

25.1

23.9

55.1

71.1

81.5

66.9

70.8

69.8

59.0

60.9

55.2

39.9

46.4

59.9

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

46.6

60.0

59.7

57.7

41.5

69.6

40.1

40.6

40.3

57.5

56.5

74.1

68.3

52.7

46.4

66.0

36.1

51.1

44.5

58.3

Mexico City

SMART
CITY
RANKING

119

Out of 146



122 in 2024
Out of 142

SMART
CITY RATING

C

C in 2024

FACTOR
RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 22,510,000
(UN World Urbanization Prospects)

HDI 0.839
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country Mexico

	2019	2020	2021	2022	1 yr change
HDI	0.769	0.773	0.776	0.779	+0.003
Life expectancy at birth	74.2	70.1	70.2	74.8	+4.6
Expected years of schooling	14.9	14.8	14.5	14.5	+0.0
Mean years of schooling	9.1	9.2	9.2	9.2	+0.0
GNI per capita (PPP \$)	19,471	17,721	18,582	19,138	+556

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

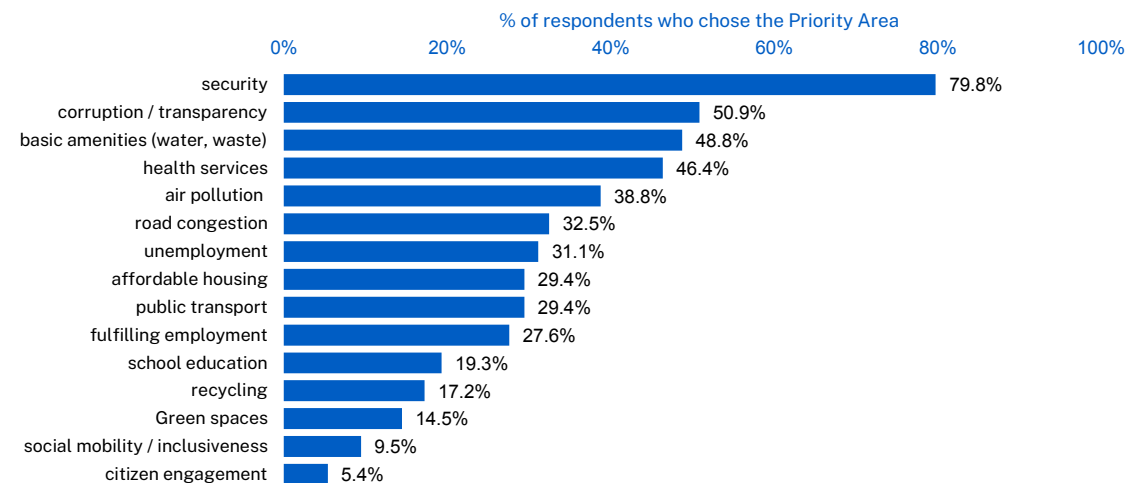
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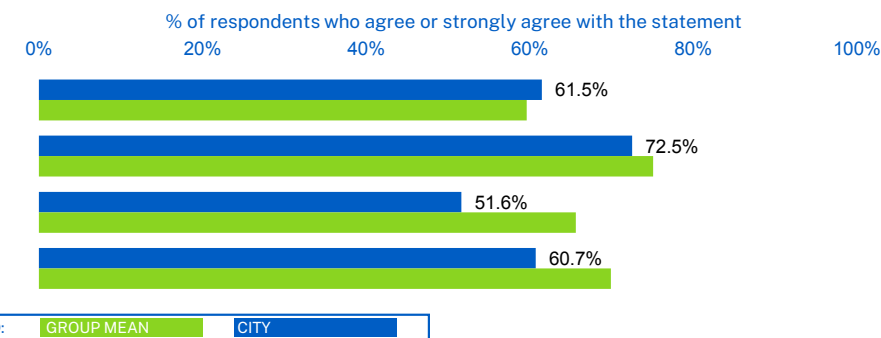
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

43.9

44.1

19.3

19.8

40.3

30.1

19.0

35.5

60.4

74.1

55.9

40.2

47.9

57.5

44.8

56.0

20.4

42.7

44.7

TECHNOLOGIES

Score

0 20 40 60 80 100

45.2

48.5

61.8

56.3

51.0

58.8

44.0

44.5

54.1

61.1

67.0

75.7

63.8

52.6

56.7

66.5

36.6

45.2

47.6

69.4

Milan

SMART CITY RANKING

97

Out of 146



91 in 2024
Out of 142

SMART CITY RATING

CCC

B in 2024

FACTOR RATINGS

CCC

STRUCTURES

BB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 3,160,000
(UN World Urbanization Prospects)

HDI 0.927
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

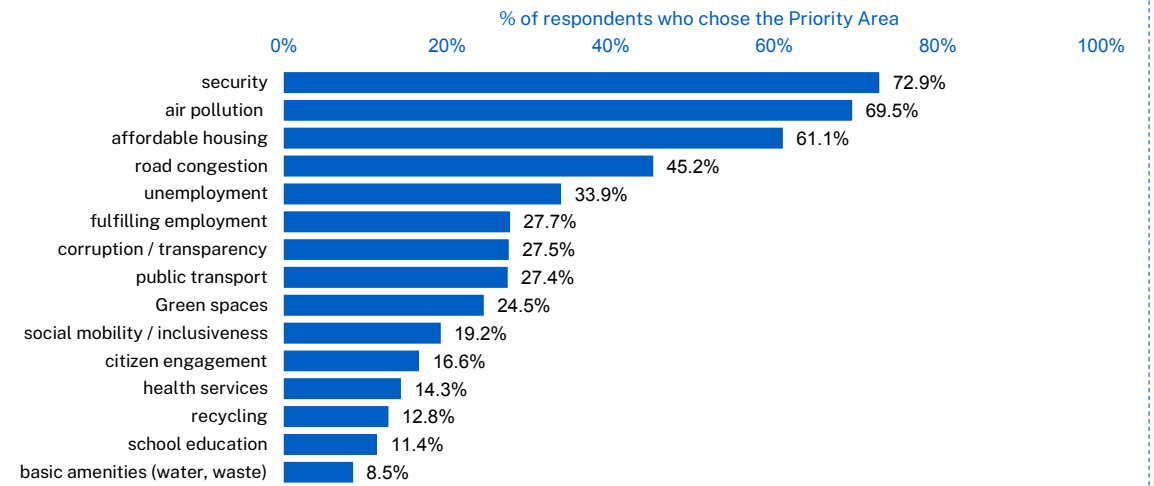
Country

Italy

	2019	2020	2021	2022	1 yr change
HDI	0.881	0.886	0.889	0.894	+0.005
Life expectancy at birth	83.6	82.4	82.9	84.1	+1.2
Expected years of schooling	16.4	16.5	16.7	16.7	+0.0
Mean years of schooling	10.7	10.7	10.7	10.7	+0.0
GNI per capita (PPP \$)	43,102	39,587	42,856	44,284	+1,428

PRIORITY AREAS

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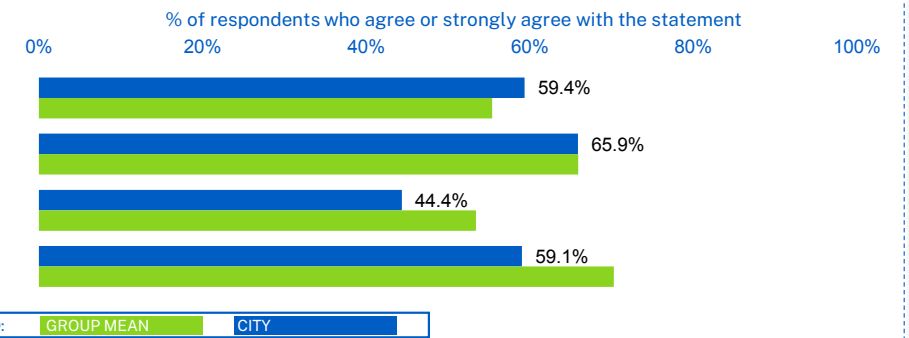
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STRUCTURES

Score

Health & Safety

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Air pollution is not a problem

Medical services provision is satisfactory

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Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

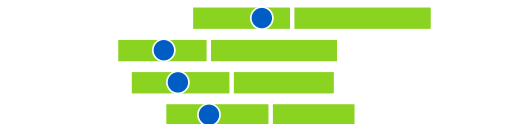
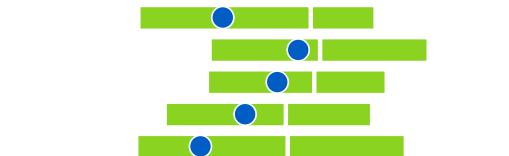
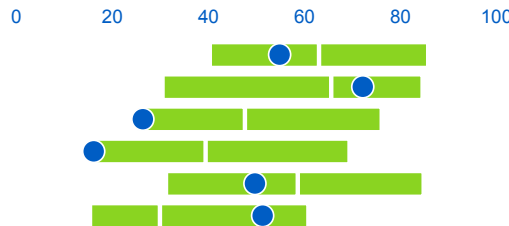
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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The city provides information on traffic congestion through mobile phones

Activities

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

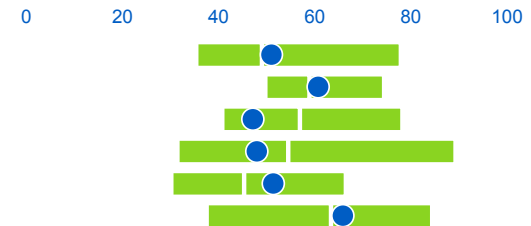
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Montreal

SMART CITY RANKING

81

Out of 146



80 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

B

STRUCTURES

CCC

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 4,340,000
(UN World Urbanization Prospects)

HDI 0.926
(Global Data Lab)



Country Canada

	2019	2020	2021	2022	1 yr change
HDI	0.927	0.928	0.929	0.930	+0.001
Life expectancy at birth	82.4	82.0	82.7	82.8	+0.2
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	13.8	13.9	13.9	13.9	+0.0
GNI per capita (PPP \$)	48,591	45,828	47,933	48,444	+512

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

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Mobility

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Public transport is satisfactory

Activities

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Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

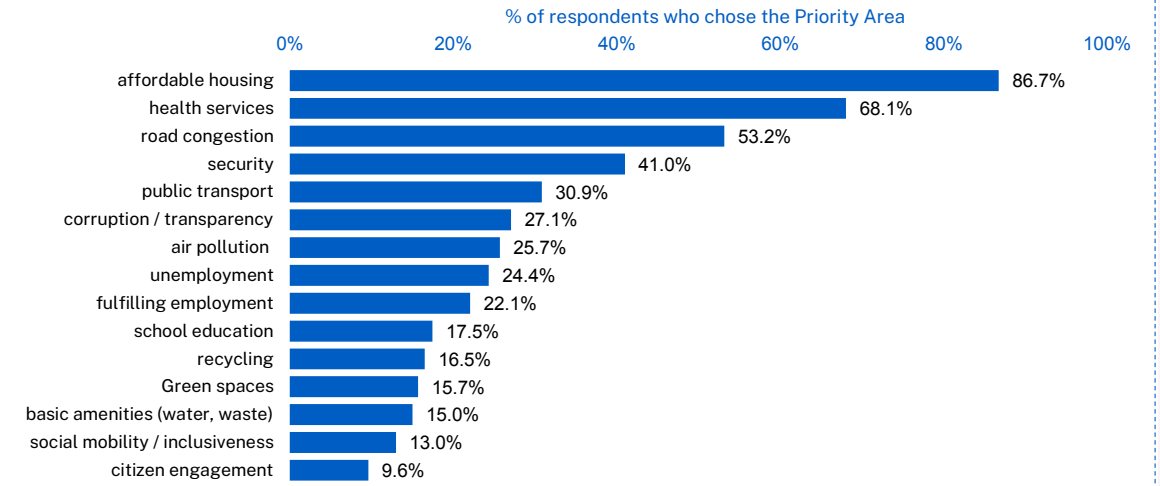
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



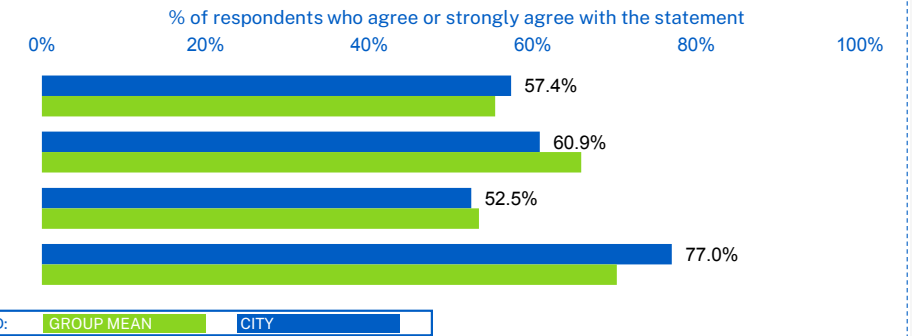
ATTITUDES

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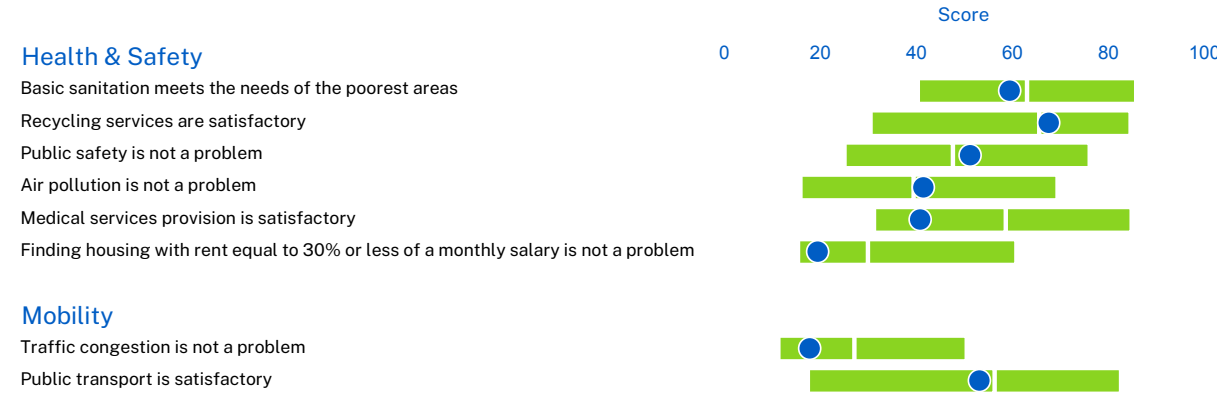
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES



Activities

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Cultural activities (shows, bars, and museums) are satisfactory

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Governance

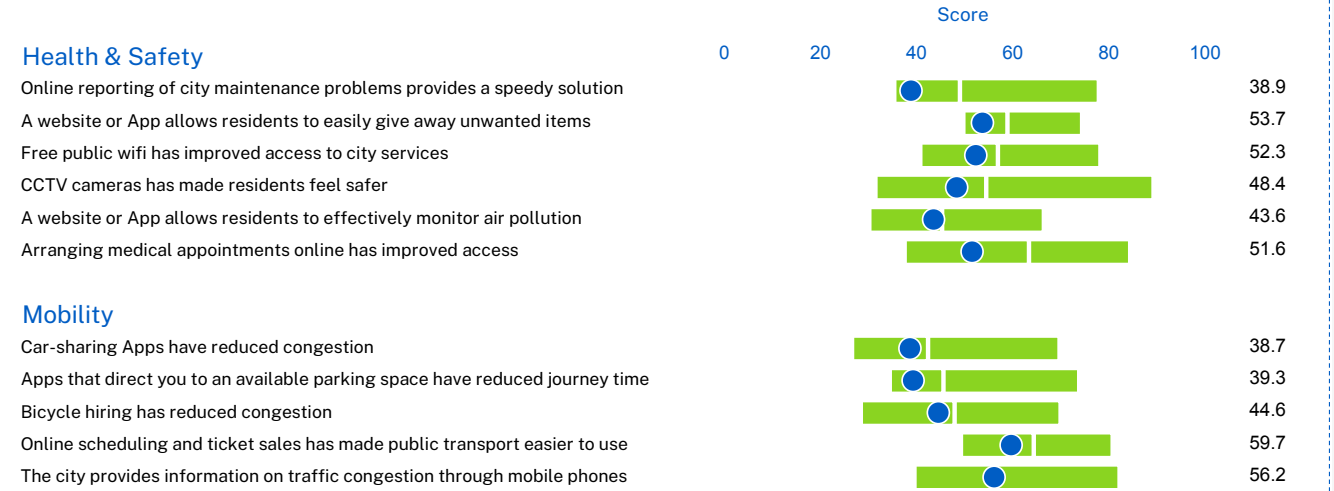
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Residents provide feedback on local government projects

TECHNOLOGIES



Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Mumbai

SMART CITY RANKING

106

Out of 146



107 in 2024
Out of 142

SMART CITY RATING

CC

CC in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 21,670,000
(UN World Urbanization Prospects)

HDI 0.695
(Global Data Lab)



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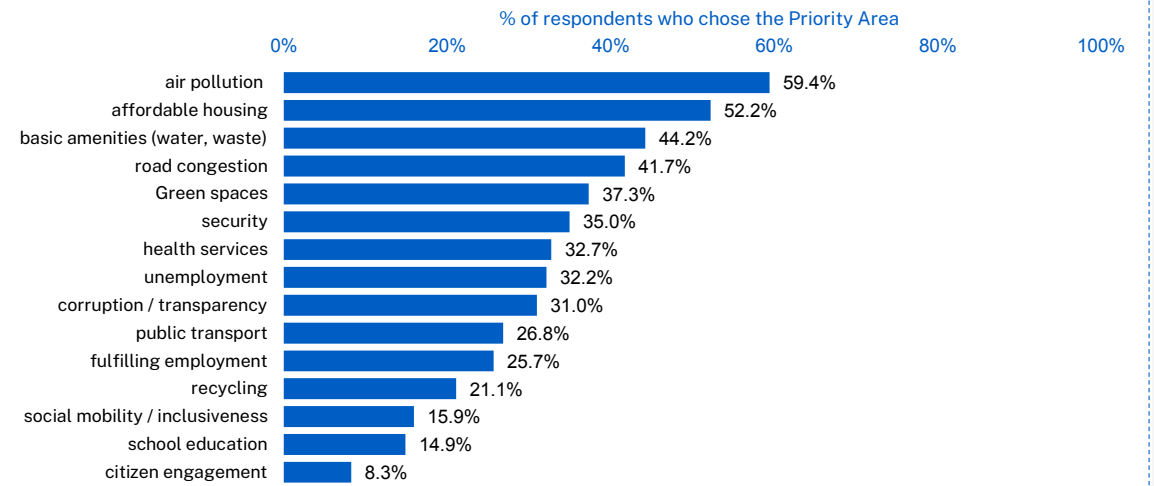
Country

India

	2019	2020	2021	2022	1 yr change
HDI	0.619	0.630	0.636	0.636	+0.000
Life expectancy at birth	70.9	70.2	67.2	67.7	+0.5
Expected years of schooling	11.4	11.7	12.0	12.6	+0.6
Mean years of schooling	6.3	6.5	6.5	6.6	+0.0
GNI per capita (PPP \$)	6,554	6,090	6,542	6,951	+408

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



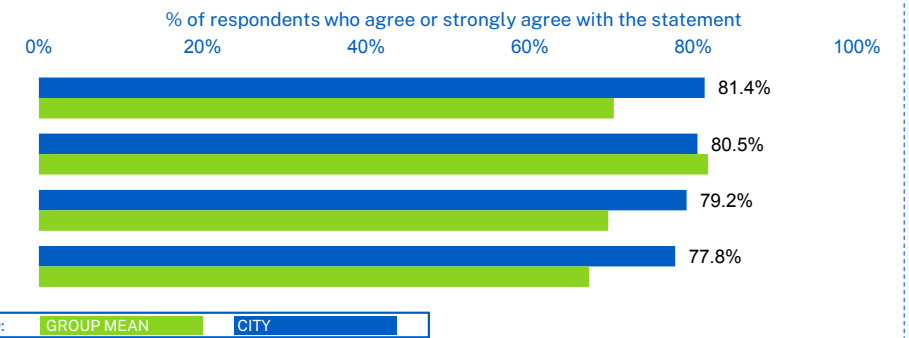
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

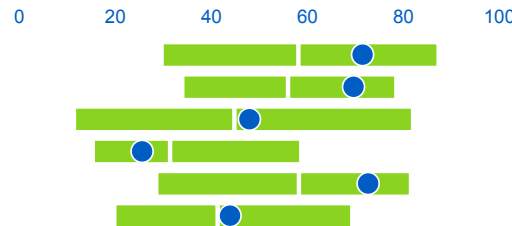
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

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Opportunities (Work & School)

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IT skills are taught well in schools

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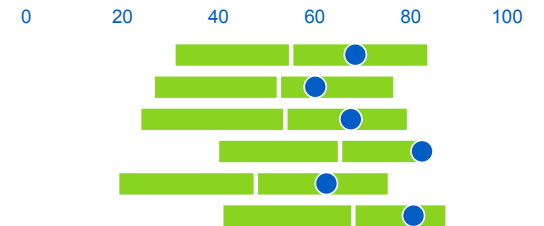
Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

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Munich

SMART CITY RANKING

24

Out of 146



21 in 2024
Out of 142

SMART CITY RATING

A

A in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,580,000
(UN World Urbanization Prospects)

HDI 0.958
(Global Data Lab)



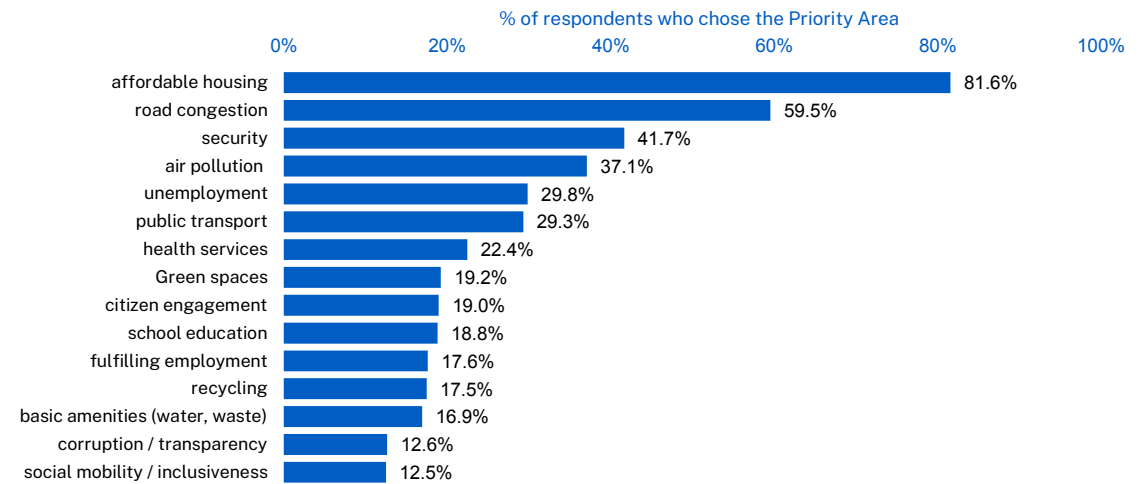
Country

Germany

	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP \$)	55,685	53,375	55,057	55,340	+284

PRIORITY AREAS

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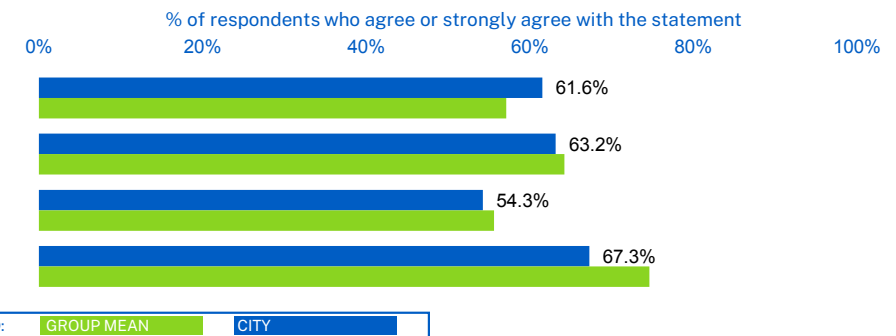
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STRUCTURES

Score

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LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

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The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Muscat

SMART CITY RANKING

87

Out of 146



88 in 2024
Out of 142

SMART CITY RATING

CCC

B in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,680,000
(UN World Urbanization Prospects)

HDI 0.819
(Global Data Lab)



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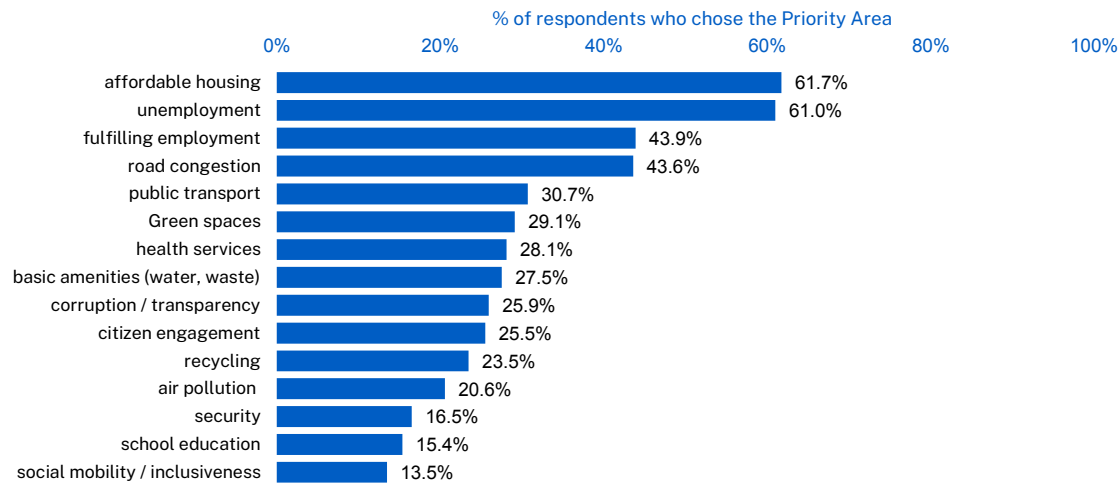
Country

Oman

	2019	2020	2021	2022	1 yr change
HDI	0.824	0.832	0.833	0.838	+0.005
Life expectancy at birth	78.0	74.8	72.5	73.9	+1.4
Expected years of schooling	14.0	13.2	13.0	13.0	+0.0
Mean years of schooling	11.4	11.9	11.9	11.9	+0.0
GNI per capita (PPP \$)	31,513	30,926	31,995	32,967	+972

PRIORITY AREAS

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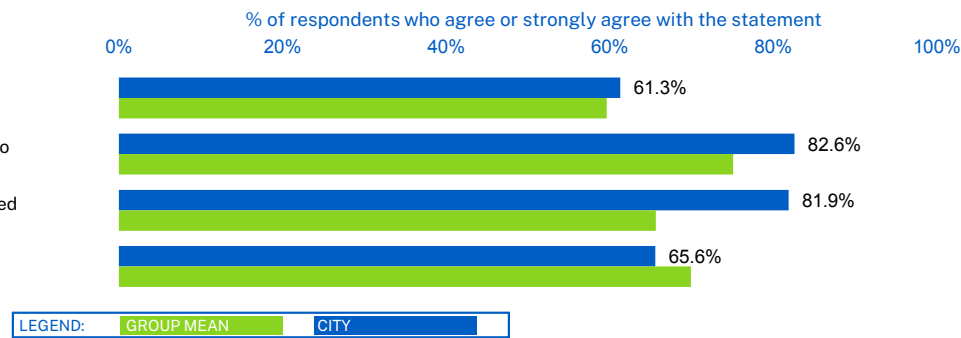
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STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

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The city provides information on traffic congestion through mobile phones

Activities

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The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Nairobi

SMART
CITY
RANKING

136

Out of 146



131 in 2024
Out of 142

SMART
CITY RATING

D

C in 2024

FACTOR
RATINGS

D

STRUCTURES

C

TECHNOLOGIES

GROUP

4

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 5,540,000
(UN World Urbanization Prospects)

HDI 0.663
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

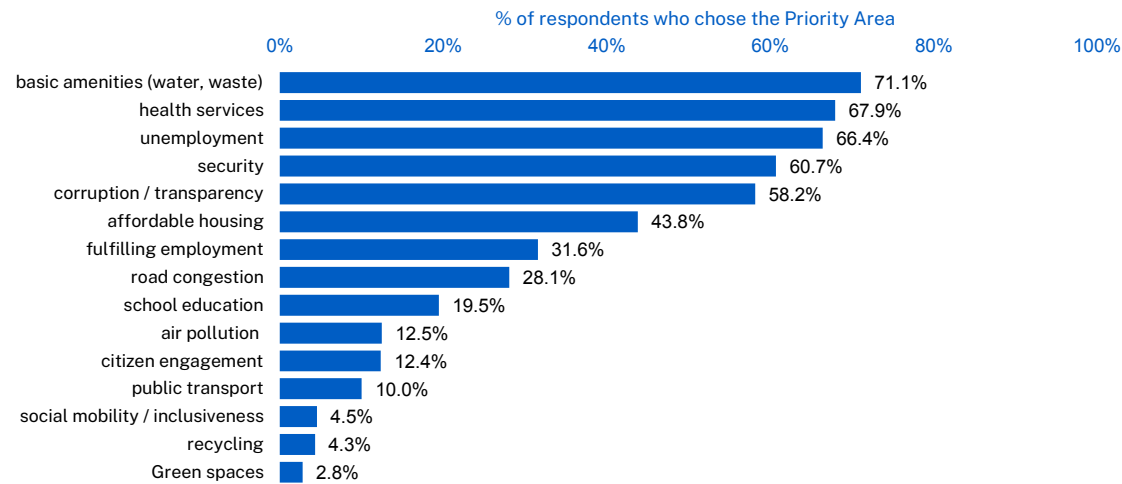
Country

Kenya

	2019	2020	2021	2022	1 yr change
HDI	0.575	0.586	0.591	0.598	+0.007
Life expectancy at birth	62.9	62.7	61.4	62.1	+0.6
Expected years of schooling	11.3	11.4	11.4	11.4	+0.0
Mean years of schooling	8.0	7.7	7.7	7.7	+0.0
GNI per capita (PPP \$)	4,528	4,420	4,666	4,808	+142

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



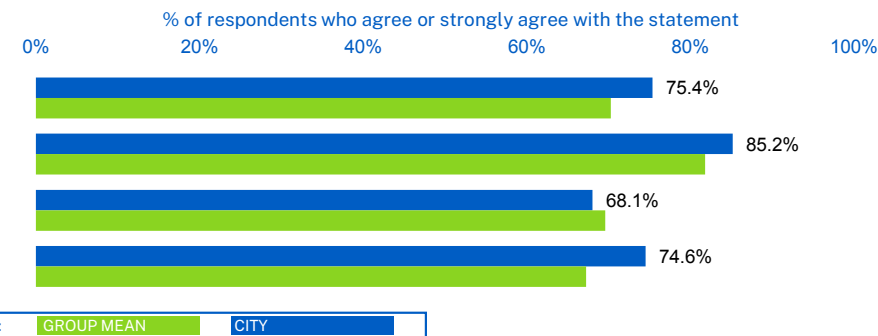
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Nanjing

SMART CITY RANKING

58

Out of 146



62 in 2024
Out of 142

SMART CITY RATING

B

CCC in 2024

FACTOR RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 9,950,000
(UN World Urbanization Prospects)

HDI 0.827
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

China

	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP \$)	15,934	16,168	17,499	18,025	+526

Health & Safety

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Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

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Mobility

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Public transport is satisfactory

Activities

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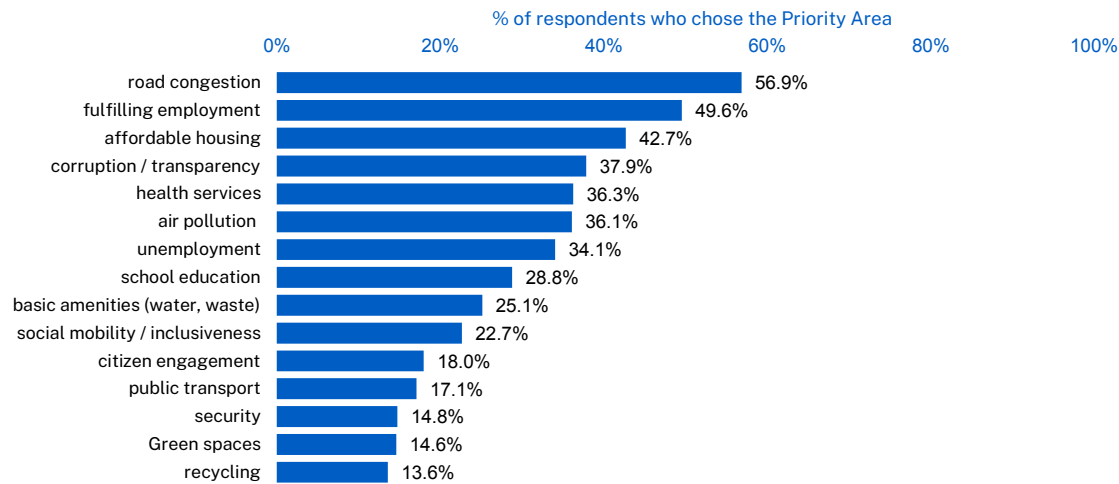
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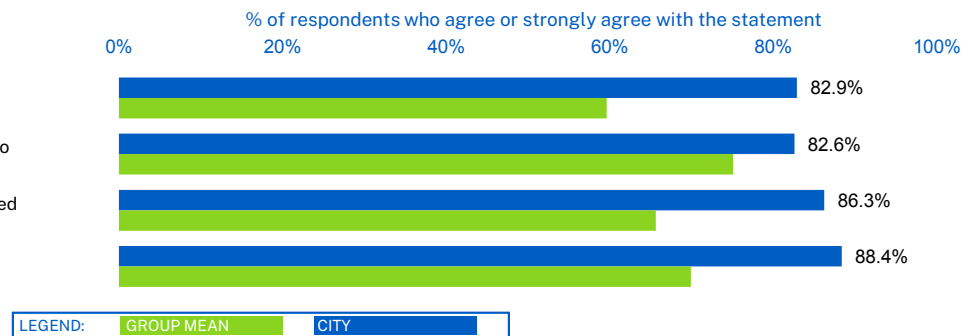
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

82.4

72.4

74.5

54.1

79.1

61.1

36.6

67.4

81.7

83.0

73.4

76.2

60.6

69.2

78.9

71.2

46.5

50.0

67.1

TECHNOLOGIES

Score

0 20 40 60 80 100

80.1

72.6

74.0

78.6

70.4

84.0

66.6

78.2

77.9

83.3

79.3

88.2

77.9

74.9

70.5

86.3

63.1

63.4

73.1

78.4

Health & Safety

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The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

New York

SMART
CITY
RANKING

49

Out of 146



34 in 2024
Out of 142

SMART
CITY RATING

BB

BB in 2024

FACTOR
RATINGS

BBB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

2

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 8,100,000
(UN World Urbanization Prospects)

HDI 0.937
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

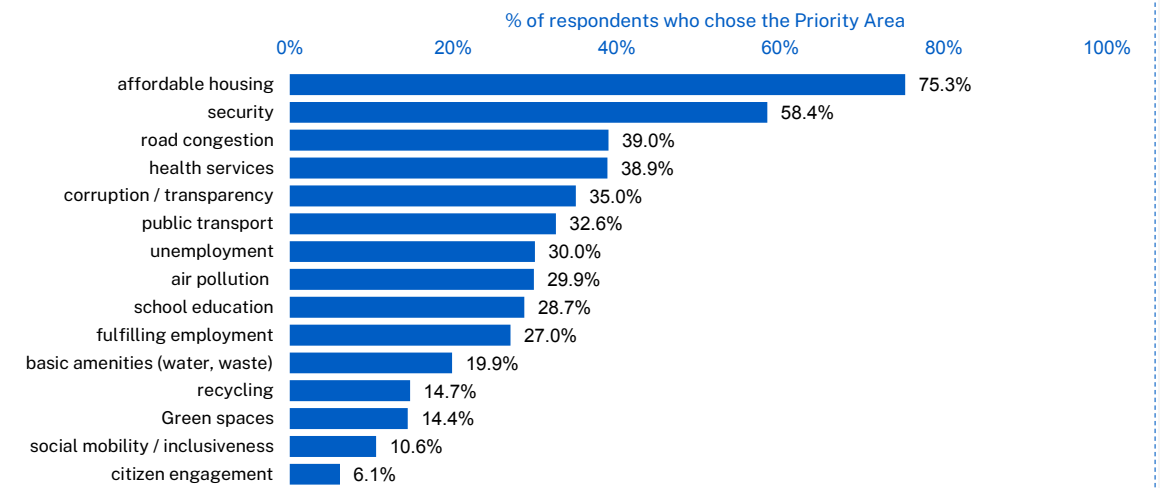
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Residents provide feedback on local government projects

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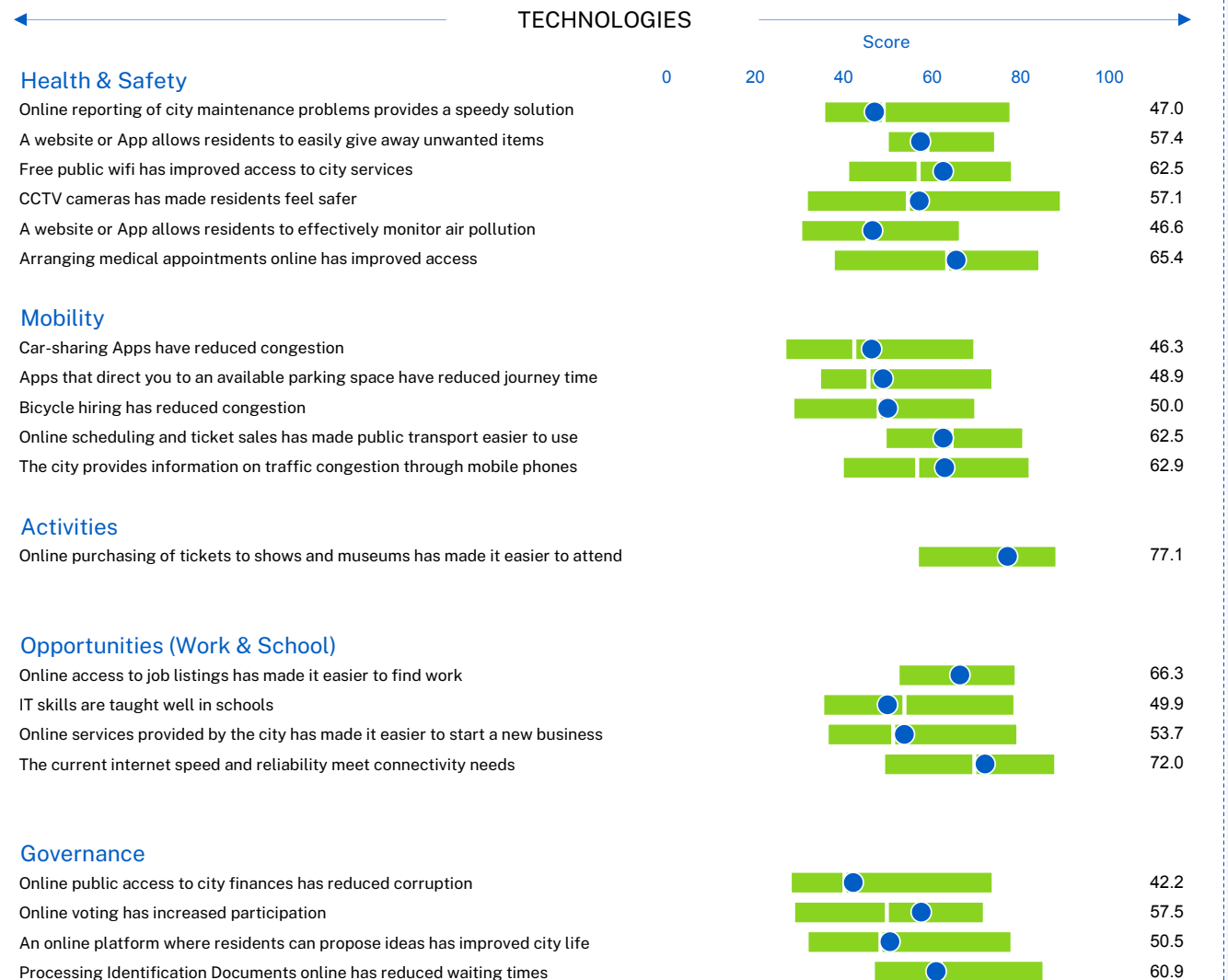
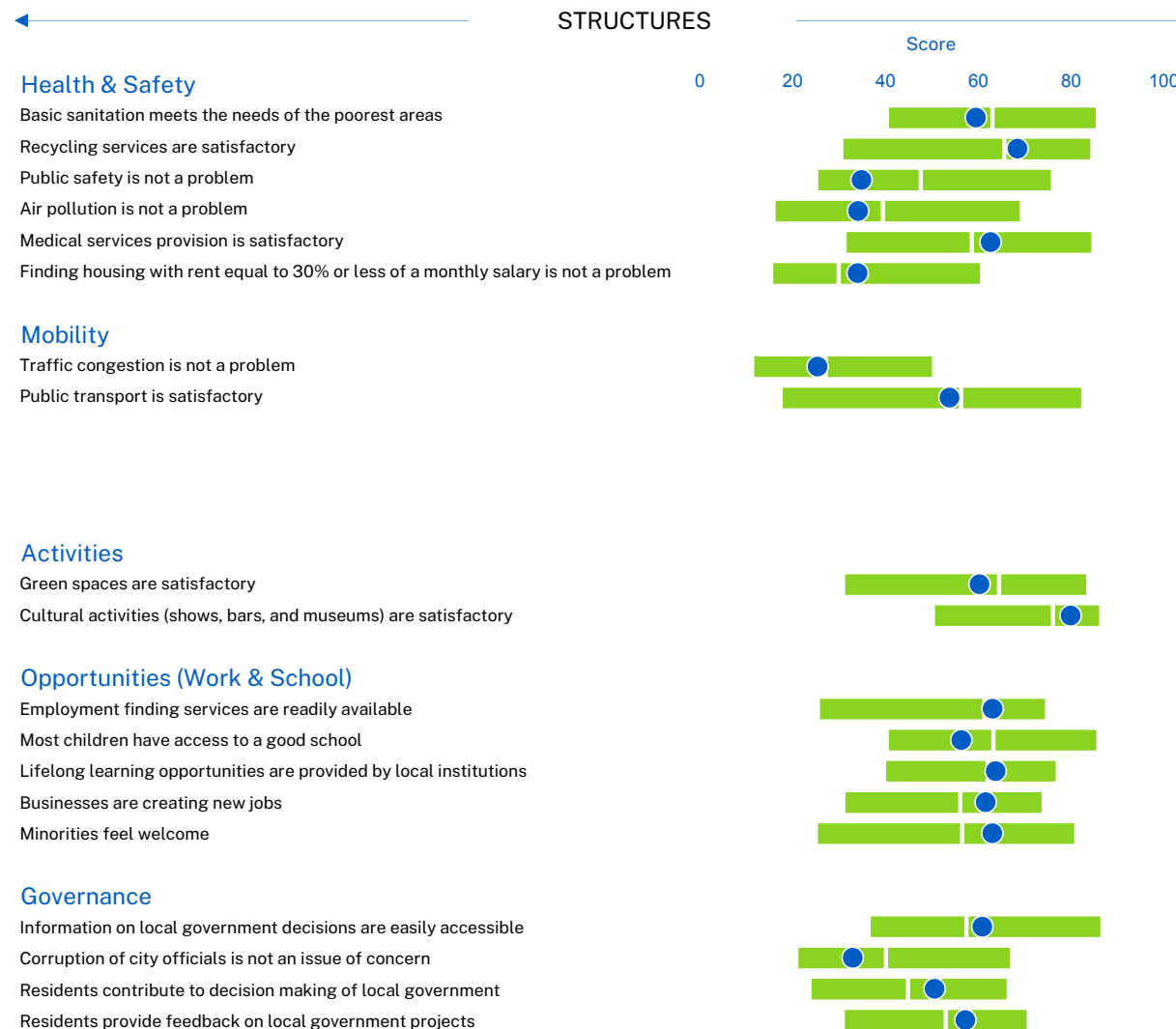
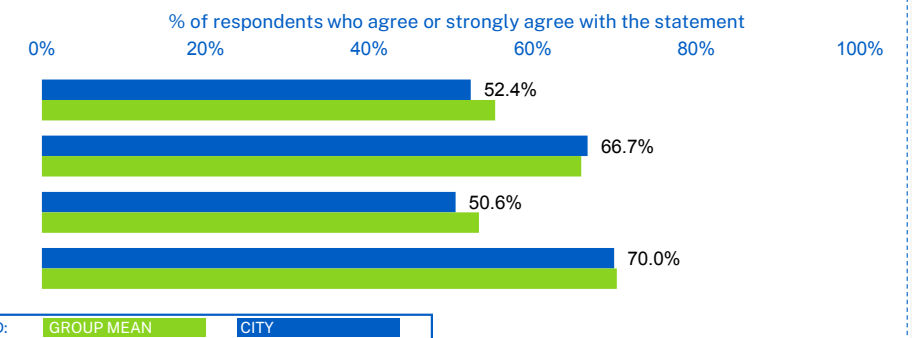
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You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



Newcastle

SMART
CITY
RANKING

75

Out of 146



77 in 2024
Out of 142

SMART
CITY RATING

BB

CC in 2024

FACTOR
RATINGS

B

STRUCTURES

CCC

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 300,000
(Eurostat)

HDI 0.911
(Global Data Lab)



Country

United Kingdom

	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	47,066	40,799	44,750	46,624	+1,874

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

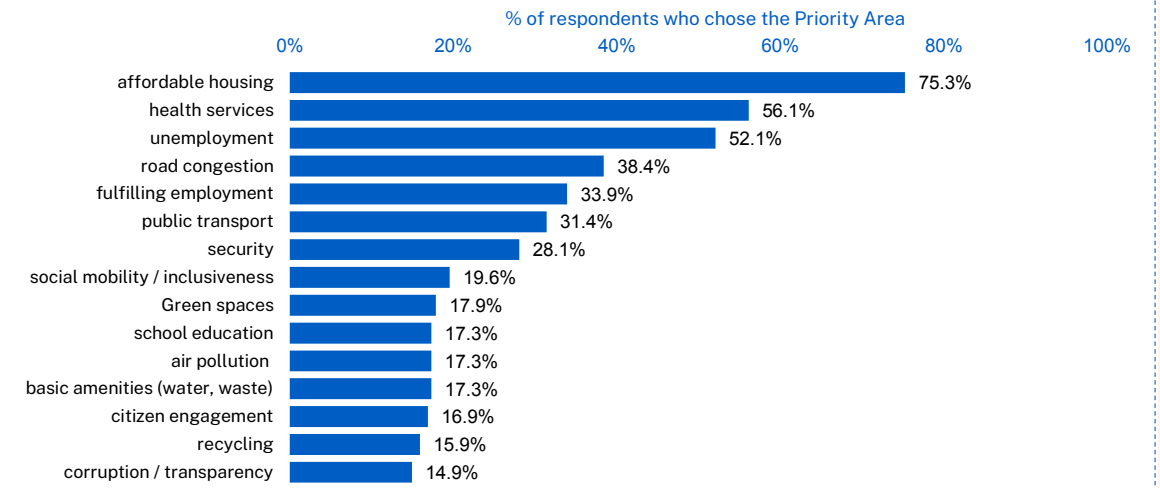
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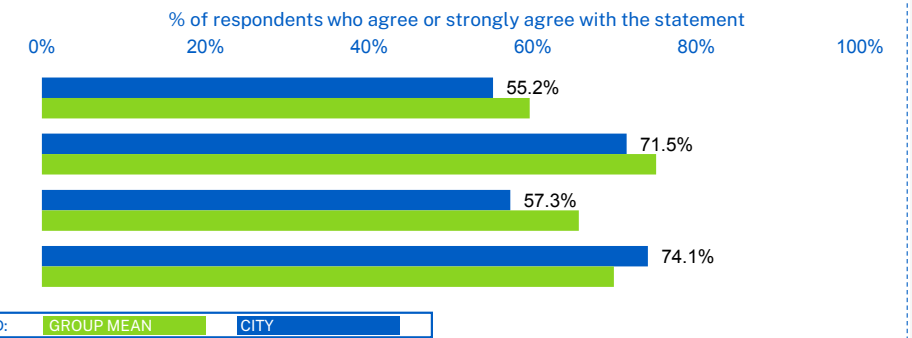
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STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

65.8

69.8

49.5

49.9

56.8

35.8

35.3

58.6

66.4

81.5

63.0

69.1

60.5

54.4

65.7

54.5

50.3

43.8

54.5



TECHNOLOGIES

Score

0 20 40 60 80 100

45.8

63.2

62.8

61.0

30.8

52.7

37.7

40.4

42.2

61.7

46.8

75.0

66.7

62.6

46.0

69.4

39.5

55.2

44.9

52.8

Nicosia

SMART
CITY
RANKING

122

Out of 146



118 in 2024
Out of 142

SMART
CITY RATING

CC

C in 2024

FACTOR
RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

3

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 900,000
(Eurostat)

HDI 0.907
(Global Data Lab)



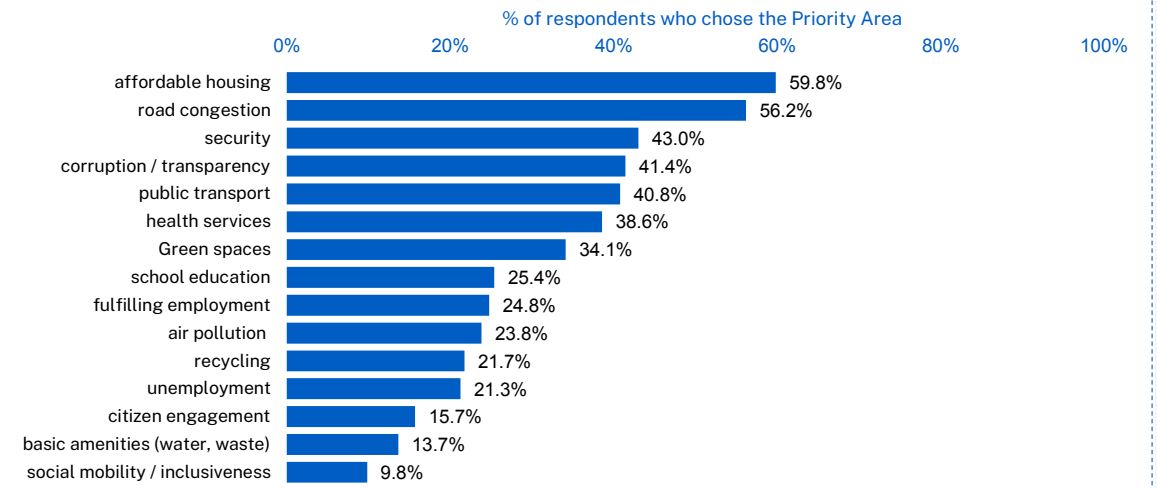
Country

Cyprus

	2019	2020	2021	2022	1 yr change
HDI	0.874	0.881	0.891	0.896	+0.005
Life expectancy at birth	81.4	81.4	81.2	81.9	+0.7
Expected years of schooling	16.0	16.2	16.2	16.2	+0.0
Mean years of schooling	12.4	12.4	12.4	12.4	+0.0
GNI per capita (PPP \$)	39,467	36,716	38,169	40,137	+1,968

PRIORITY AREAS

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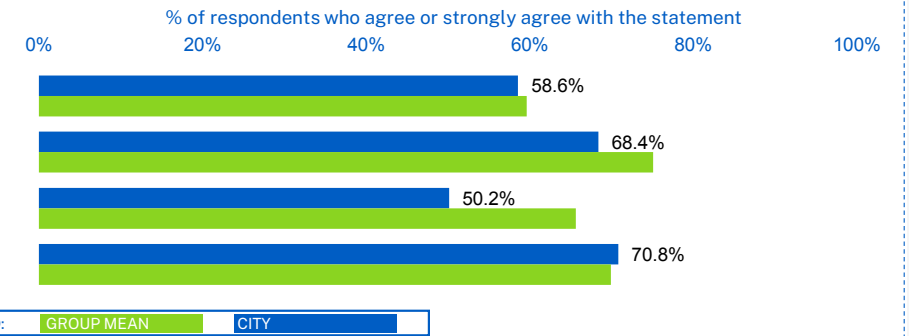
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

65.9

52.1

46.6

34.8

55.8

20.0

16.8

24.5

47.0

59.2

55.4

57.9

51.9

52.9

44.9

40.4

22.4

24.1

34.4

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

41.3

53.1

47.7

42.4

46.1

44.6

29.7

34.2

32.9

45.2

40.1

73.7

75.8

48.1

45.6

70.8

24.7

30.6

31.3

50.8

Osaka

SMART CITY RANKING

99

Out of 146



95 in 2024
Out of 142

SMART CITY RATING

BB

B in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 18,970,000
(UN World Urbanization Prospects)

HDI 0.922
(Global Data Lab)



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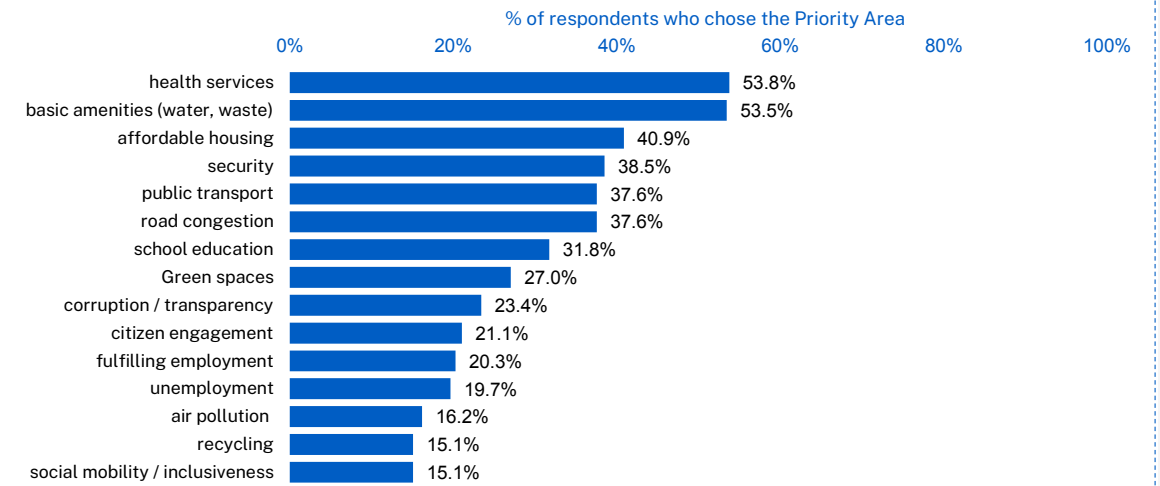
Country

Japan

	2019	2020	2021	2022	1 yr change
HDI	0.913	0.914	0.916	0.917	+0.001
Life expectancy at birth	84.4	84.7	84.8	84.8	+0.0
Expected years of schooling	15.4	15.5	15.5	15.5	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP \$)	43,276	41,446	43,008	43,644	+636

PRIORITY AREAS

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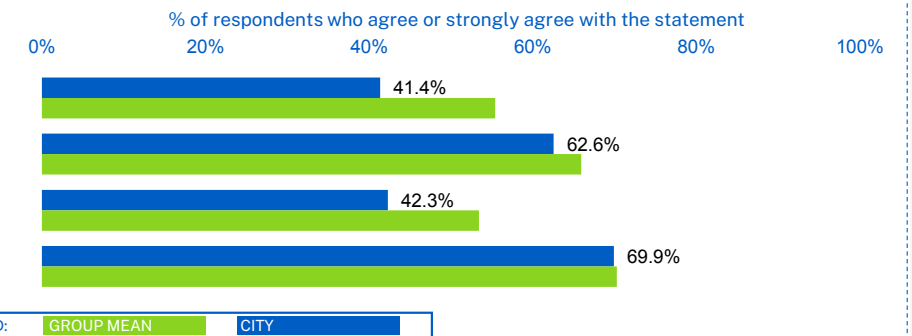
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STRUCTURES

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Opportunities (Work & School)

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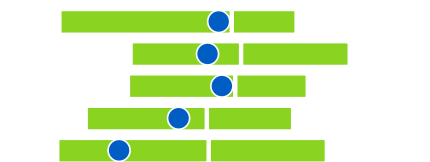
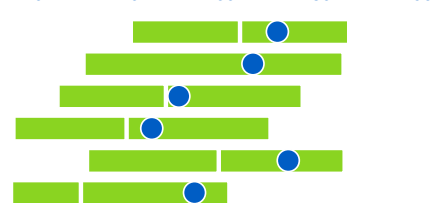
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LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100



Health & Safety

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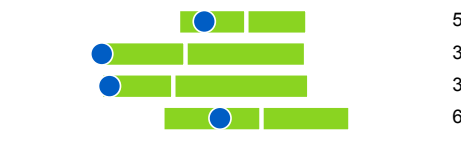
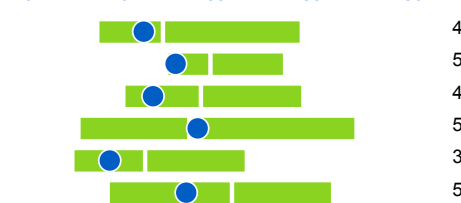
An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

TECHNOLOGIES

Score

0 20 40 60 80 100



SMART CITY RANKING

2

Out of 146



2 in 2024
Out of 142

SMART CITY RATING

AAA

AA in 2024

FACTOR RATINGS

AAA

STRUCTURES

AAA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,100,000
(UN World Urbanization Prospects)

HDI 0.982
(Global Data Lab)



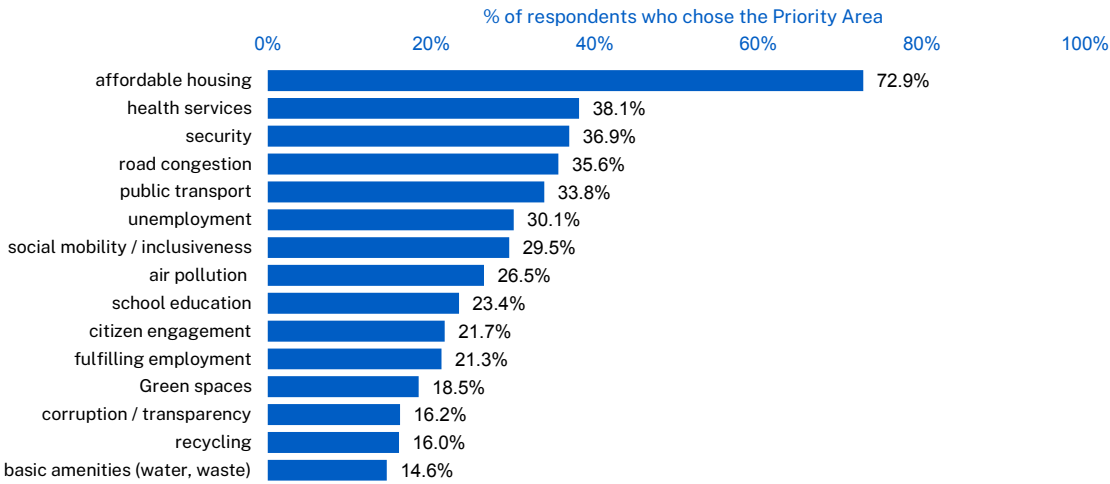
Country

Norway

	2019	2020	2021	2022	1 yr change
HDI	0.952	0.956	0.959	0.960	+0.001
Life expectancy at birth	83.0	83.2	83.2	83.4	+0.2
Expected years of schooling	18.2	18.3	18.6	18.6	+0.0
Mean years of schooling	13.0	13.1	13.1	13.1	+0.0
GNI per capita (PPP \$)	66,977	66,258	67,597	69,190	+1,593

PRIORITY AREAS

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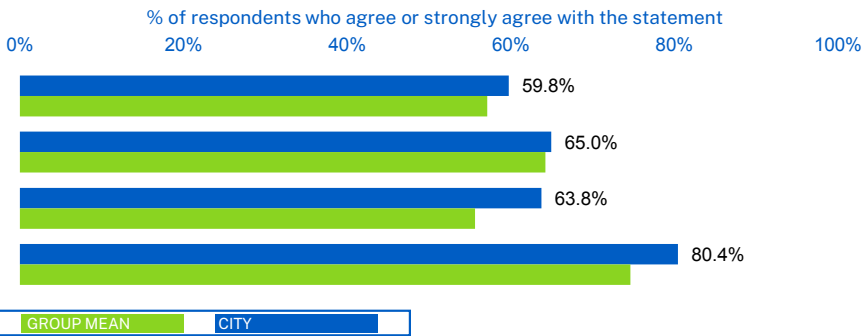
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The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Ottawa

SMART CITY RANKING

42

Out of 146



46 in 2024
Out of 142

SMART CITY RATING

A

BBB in 2024

FACTOR RATINGS

BBB

STRUCTURES

B

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,450,000
(UN World Urbanization Prospects)

HDI 0.942
(Global Data Lab)



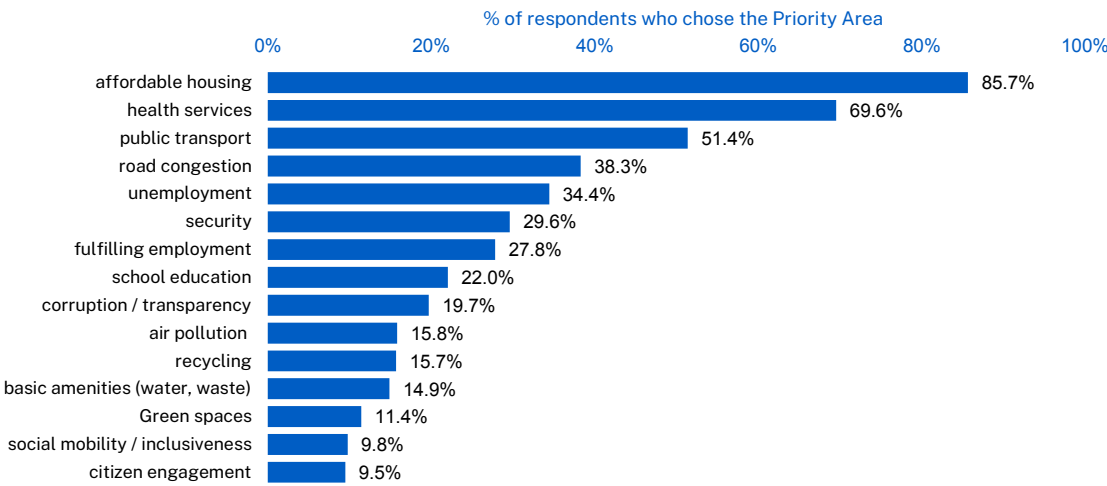
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country Canada

	2019	2020	2021	2022	1 yr change
HDI	0.927	0.928	0.929	0.930	+0.001
Life expectancy at birth	82.4	82.0	82.7	82.8	+0.2
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	13.8	13.9	13.9	13.9	+0.0
GNI per capita (PPP \$)	48,591	45,828	47,933	48,444	+512

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



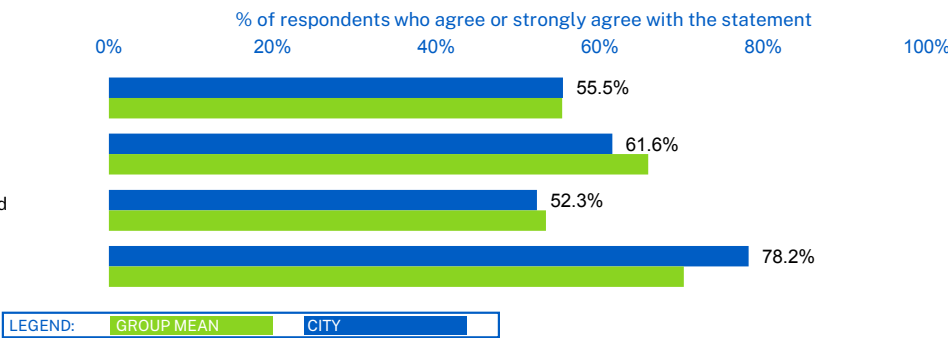
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

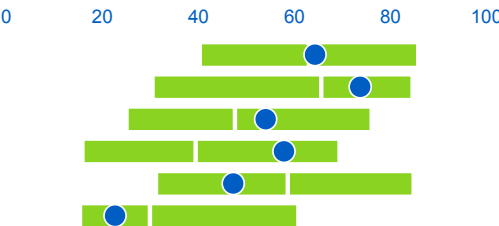
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

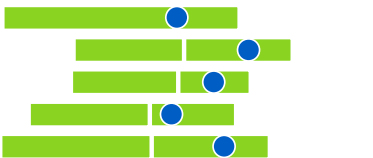
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



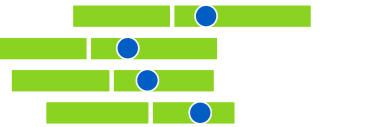
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

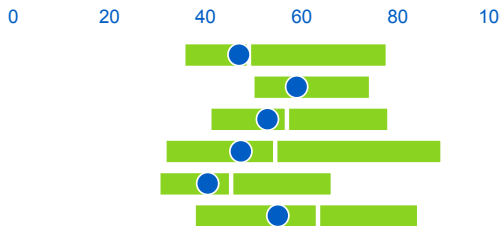
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Paris

SMART CITY RANKING

71

Out of 146



49 in 2024

Out of 142

SMART CITY RATING

BB

BBB in 2024

FACTOR RATINGS

BB

STRUCTURES

A

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 11,280,000
(UN World Urbanization Prospects)

HDI 0.956
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

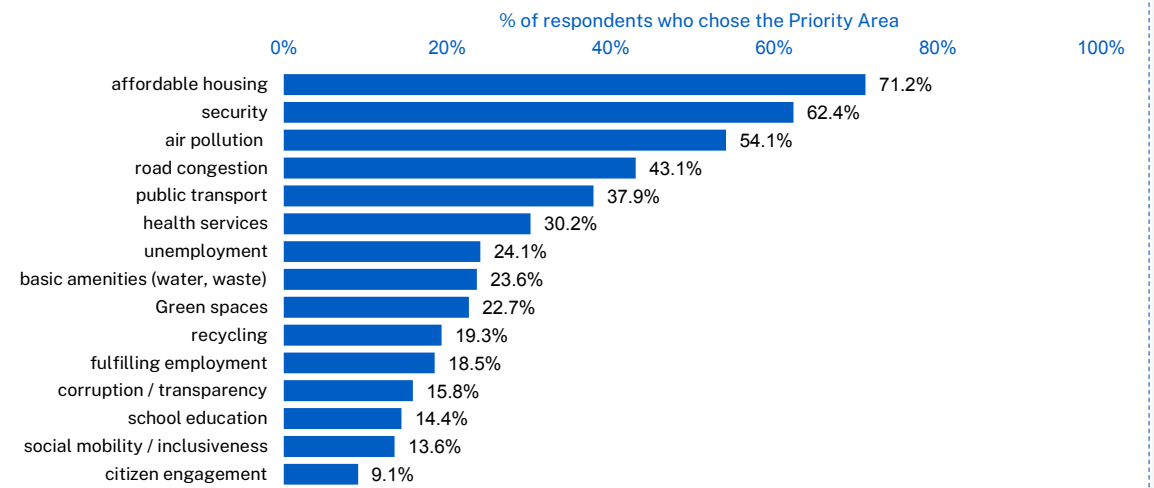
Country

France

	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP \$)	46,907	42,891	46,322	47,379	+1,057

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



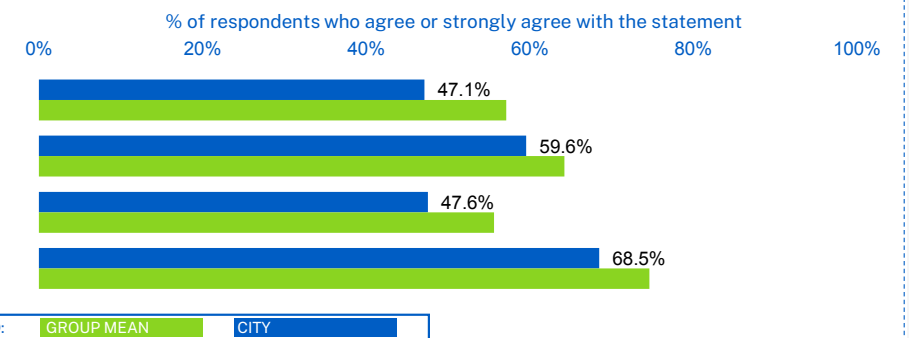
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

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Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

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Opportunities (Work & School)

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Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Philadelphia

SMART
CITY
RANKING

100

Out of 146



90 in 2024
Out of 142

SMART
CITY RATING

CCC

B in 2024

FACTOR
RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

2

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 1,530,000
(UN World Urbanization Prospects)

HDI 0.928
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

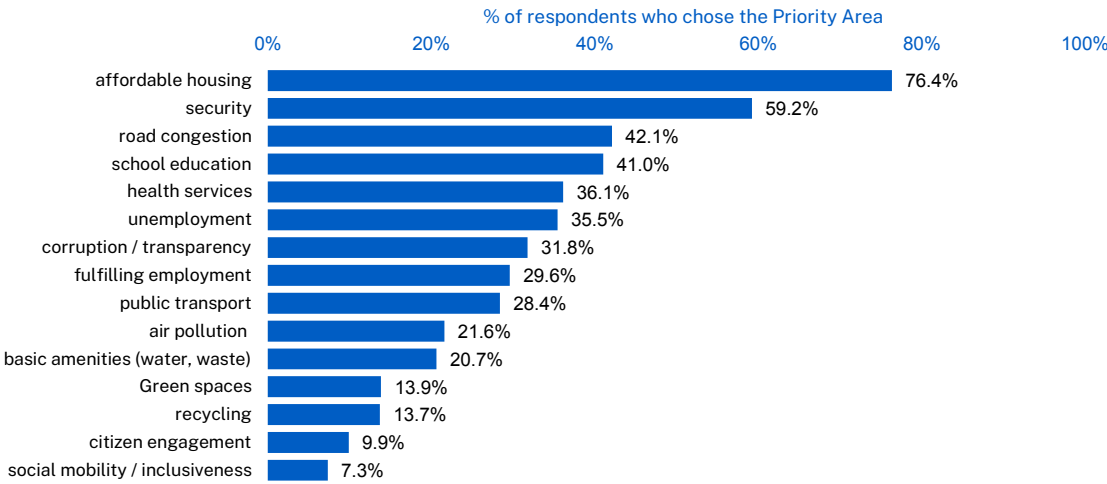
Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



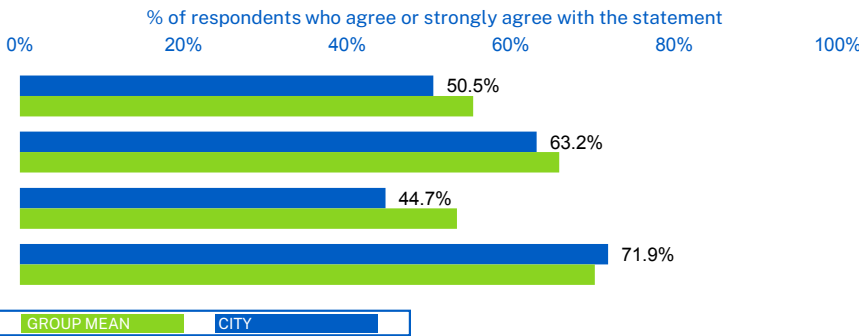
ATTITUDES

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STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

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Mobility

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Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

0

20

40

60

80

100

43.8

57.9

26.0

31.6

59.6

28.6

23.2

46.9

49.2

76.6

58.4

45.3

54.6

55.2

59.5

55.8

33.6

44.2

53.5



TECHNOLOGIES

Score

Health & Safety

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Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

0

20

40

60

80

100

35.7

52.4

49.8

46.6

38.1

61.1

43.6

43.6

40.4

57.9

53.3

73.8

61.5

42.9

44.8

63.8

35.6

53.6

44.0

53.8

Phoenix

SMART CITY RANKING

105

Out of 146



98 in 2024
Out of 142

SMART CITY RATING

CCC

CC in 2024

FACTOR RATINGS

CC

STRUCTURES

C

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,660,000
(UN World Urbanization Prospects)

HDI 0.906
(Global Data Lab)



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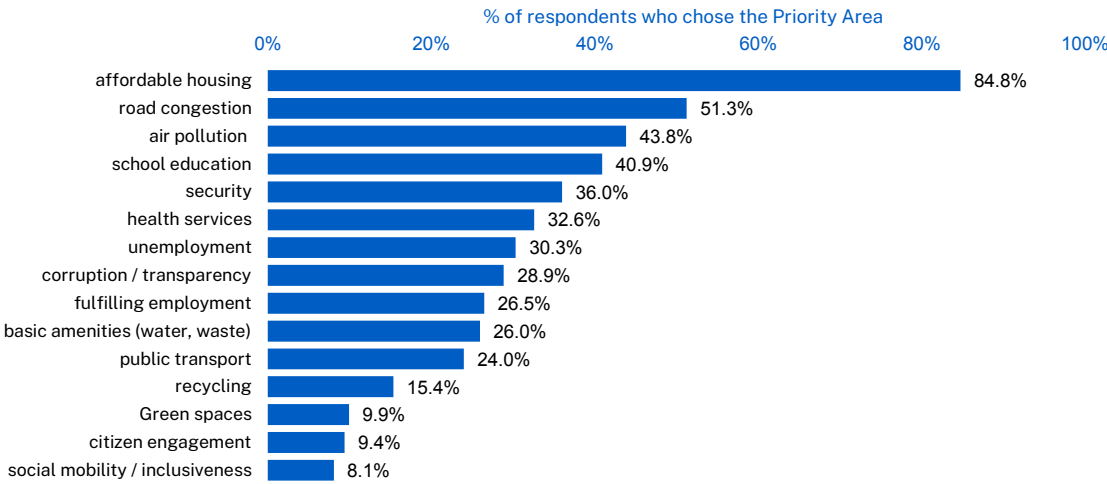
Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



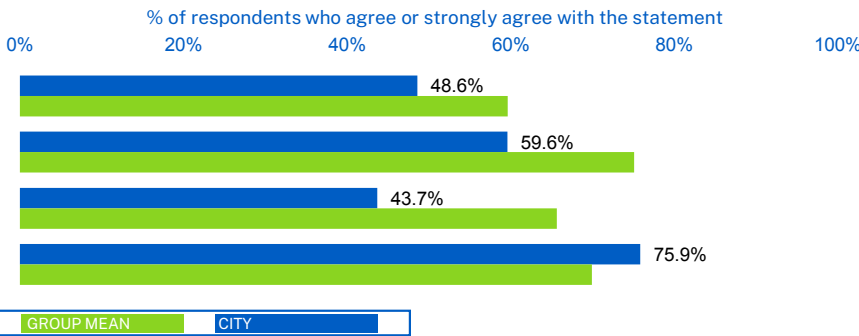
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

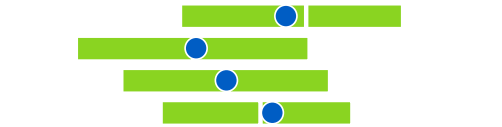
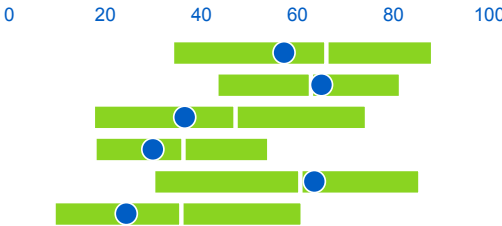
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

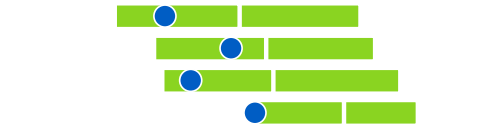
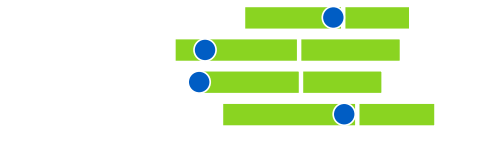
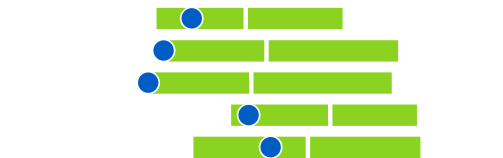
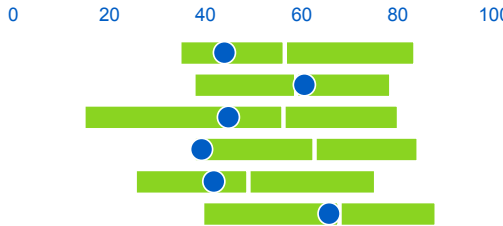
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Prague

SMART CITY RANKING

12

Out of 146



15 in 2024
Out of 142

SMART CITY RATING

AA

A in 2024

FACTOR RATINGS

AA

STRUCTURES

AA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,330,000
(UN World Urbanization Prospects)

HDI 0.965
(Global Data Lab)



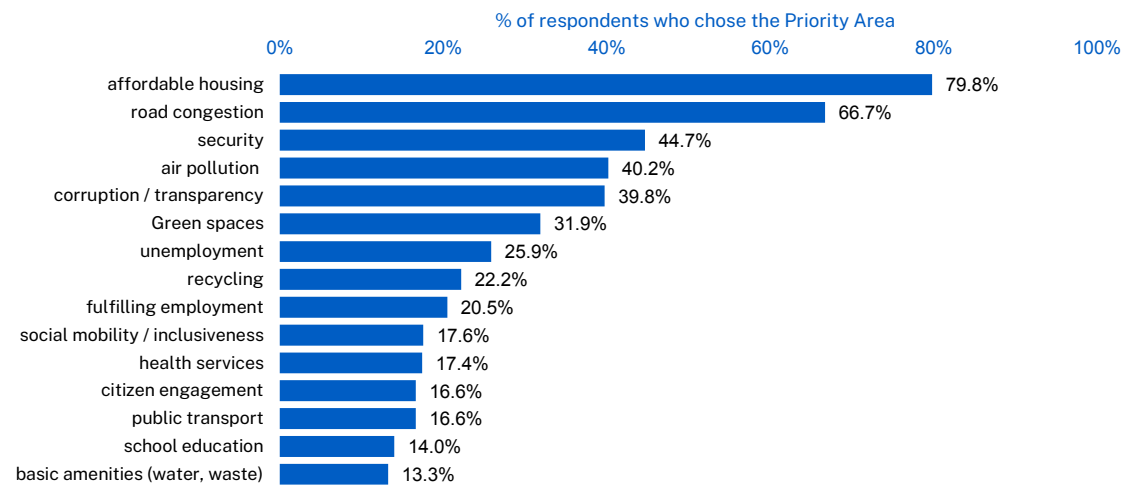
Country

Czechia

	2019	2020	2021	2022	1 yr change
HDI	0.891	0.894	0.896	0.893	-0.003
Life expectancy at birth	79.2	78.6	77.7	78.1	+0.4
Expected years of schooling	16.1	16.1	16.3	16.3	+0.0
Mean years of schooling	12.9	12.9	12.9	12.9	+0.0
GNI per capita (PPP \$)	38,512	36,696	39,061	39,945	+884

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



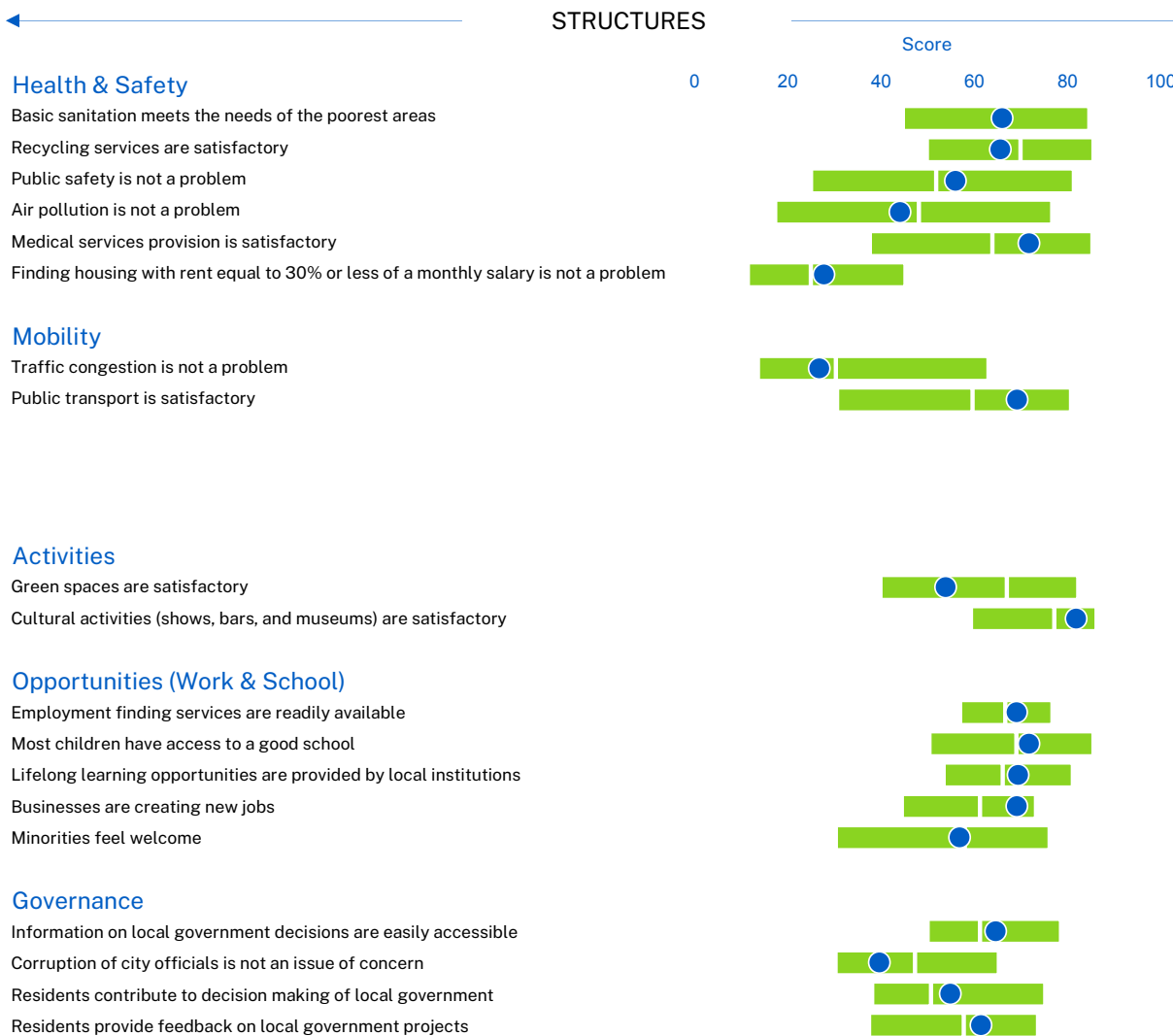
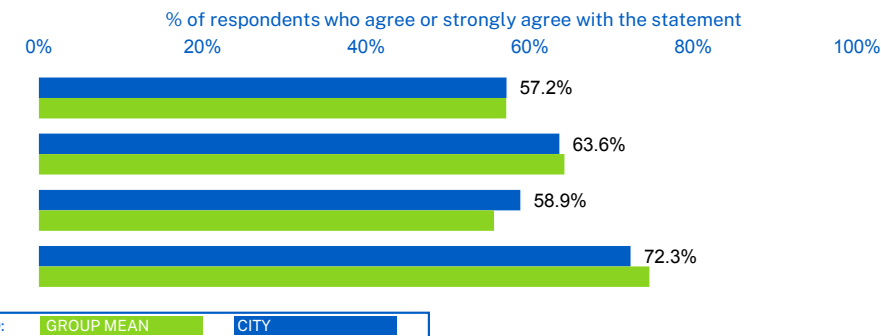
ATTITUDES

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You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



Rabat

SMART CITY RANKING

123

Out of 146



126 in 2024
Out of 142

SMART CITY RATING

CC

C in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,990,000
(UN World Urbanization Prospects)

HDI 0.717
(Global Data Lab)



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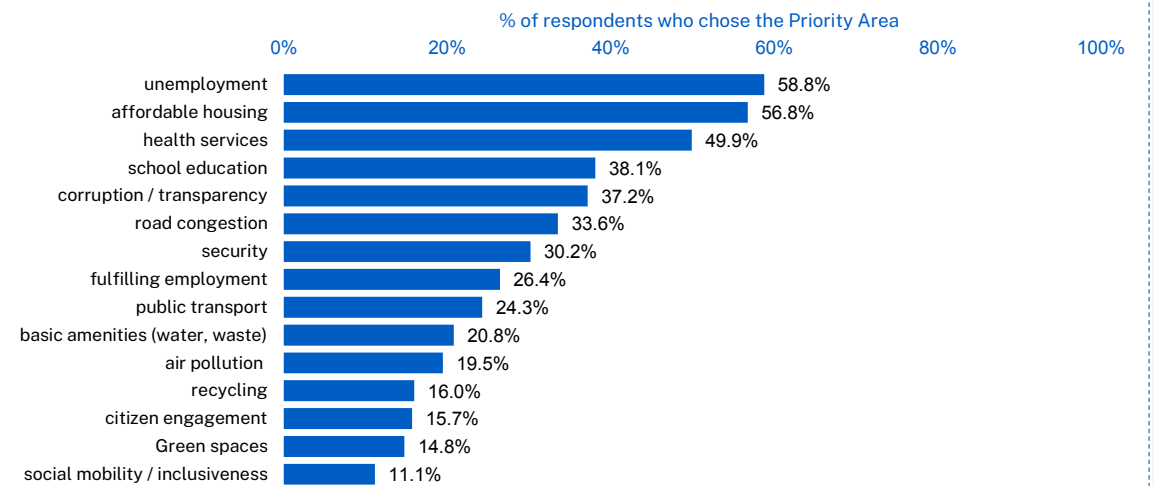
Country

Morocco

	2019	2020	2021	2022	1 yr change
HDI	0.656	0.662	0.671	0.677	+0.006
Life expectancy at birth	74.3	73.9	74.0	75.0	+0.9
Expected years of schooling	13.7	13.9	14.0	14.6	+0.6
Mean years of schooling	5.9	6.1	6.1	6.1	+0.0
GNI per capita (PPP \$)	8,093	7,474	7,948	7,955	+7

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



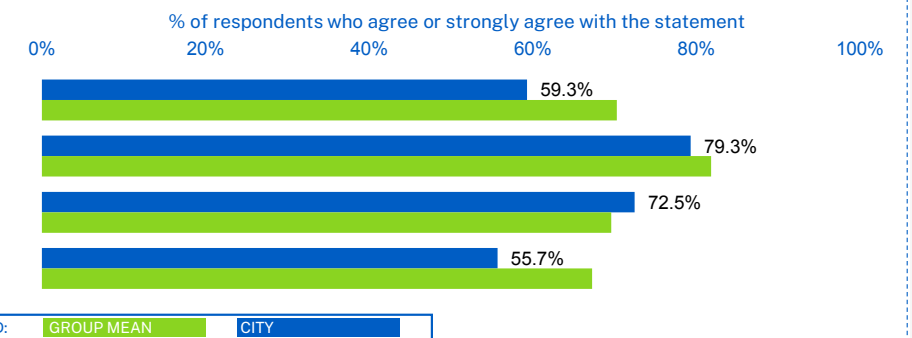
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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Arranging medical appointments online has improved access

Mobility

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Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Reykjavik

SMART CITY RANKING

21

Out of 146



26 in 2024
Out of 142

SMART CITY RATING

AA

BBB in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 240,000
(Eurostat)

HDI 0.959
(Global Data Lab)



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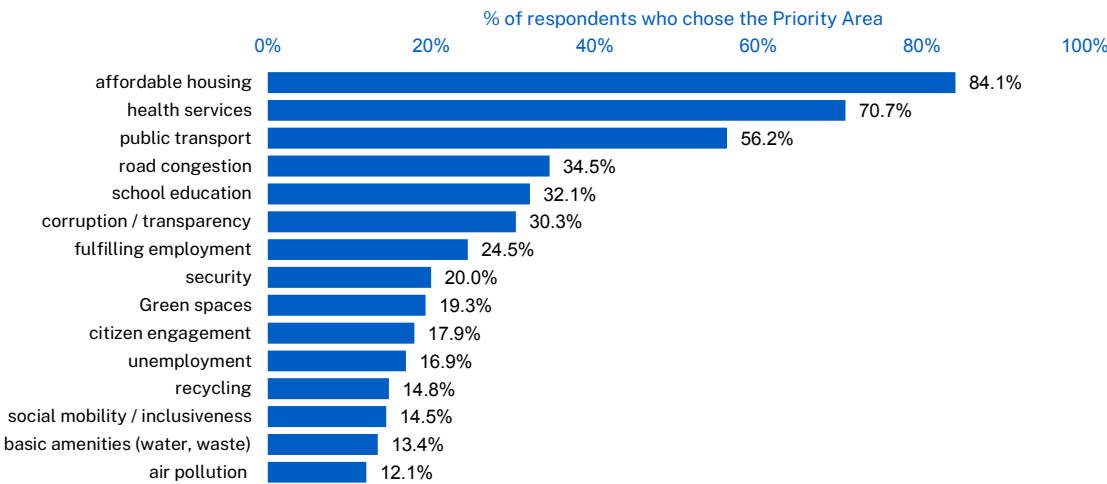
Country

Iceland

	2019	2020	2021	2022	1 yr change
HDI	0.948	0.951	0.955	0.958	+0.003
Life expectancy at birth	82.4	82.6	82.7	82.8	+0.1
Expected years of schooling	18.2	18.2	19.1	19.1	+0.0
Mean years of schooling	13.7	13.8	13.8	13.8	+0.0
GNI per capita (PPP \$)	56,453	51,984	52,671	54,688	+2,017

PRIORITY AREAS

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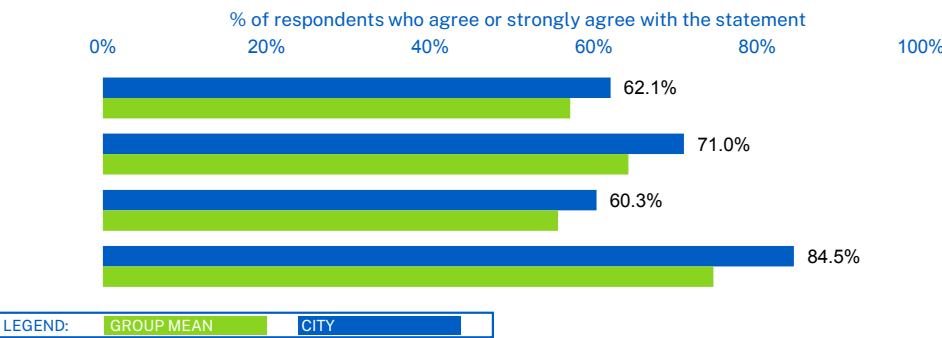
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

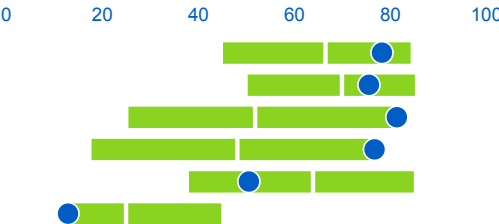
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Mobility

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Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

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Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome



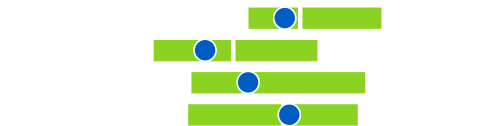
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

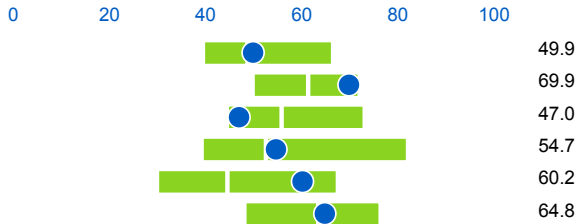
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

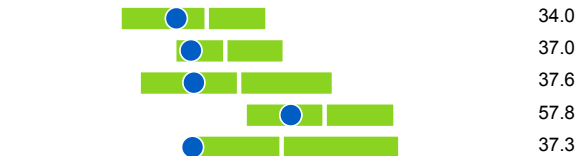
Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



SMART CITY RANKING

46

Out of 146



59 in 2024
Out of 142

SMART CITY RATING

BBB

BB in 2024

FACTOR RATINGS

BBB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

2

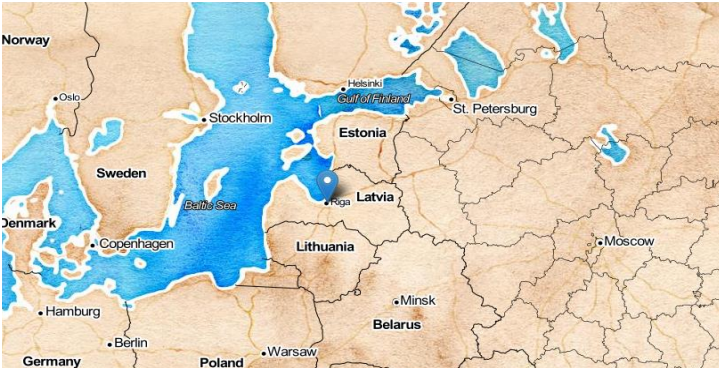
All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 740,000
(UN World Urbanization Prospects)

HDI 0.937
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

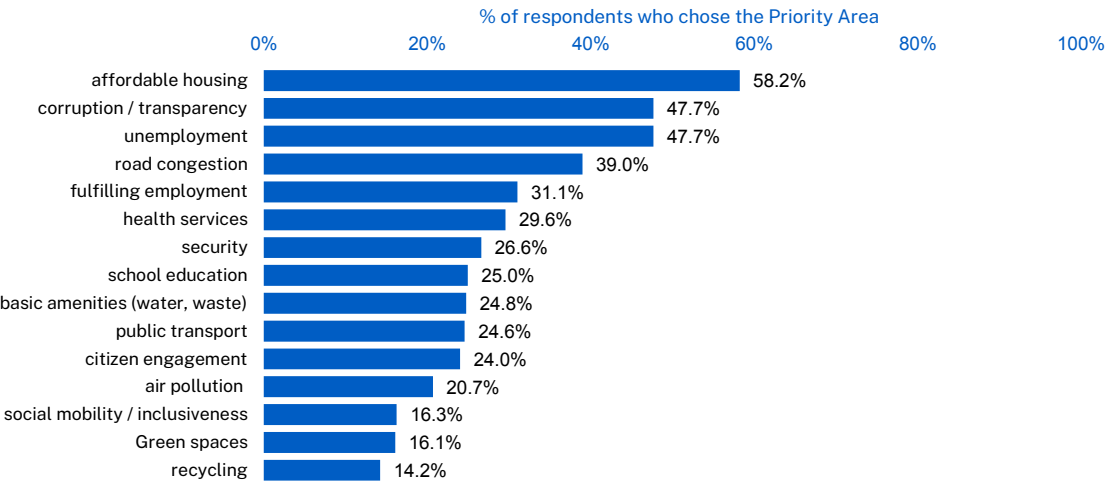
Country

Latvia

	2019	2020	2021	2022	1 yr change
HDI	0.853	0.858	0.863	0.868	+0.005
Life expectancy at birth	75.5	75.5	73.6	75.9	+2.3
Expected years of schooling	16.5	16.5	16.6	16.6	+0.0
Mean years of schooling	13.3	13.3	13.3	13.3	+0.0
GNI per capita (PPP \$)	30,570	30,562	31,443	32,083	+640

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



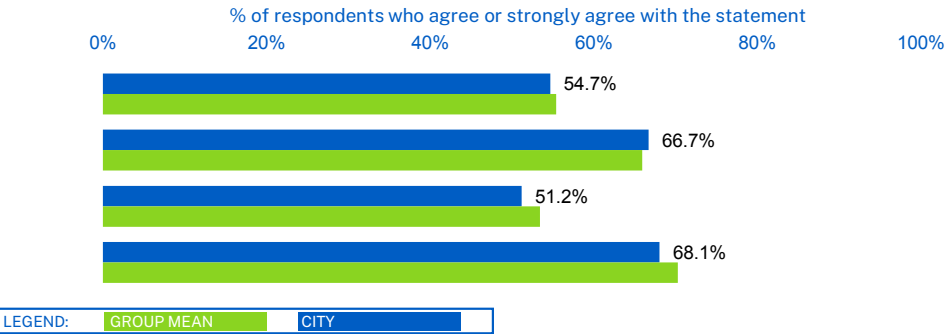
ATTITUDES

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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

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Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

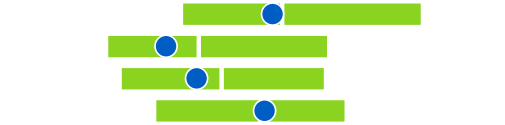
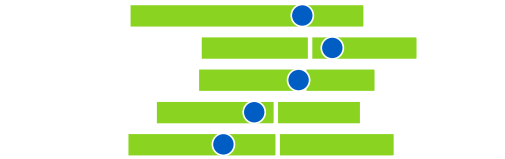
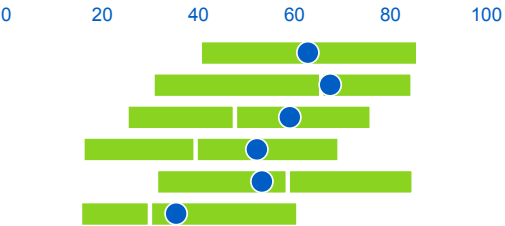
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score



TECHNOLOGIES

Health & Safety

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A website or App allows residents to easily give away unwanted items

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Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

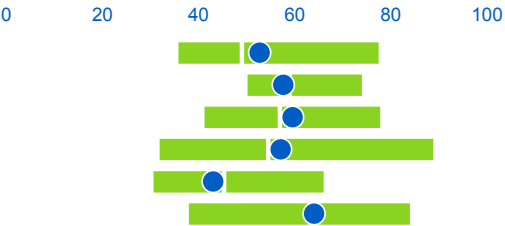
Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score



Rio de Janeiro

SMART CITY RANKING

146

Out of 146



139 in 2024
Out of 142

SMART CITY RATING

D

D in 2024

FACTOR RATINGS

D

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 13,820,000
(UN World Urbanization Prospects)

HDI 0.789
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

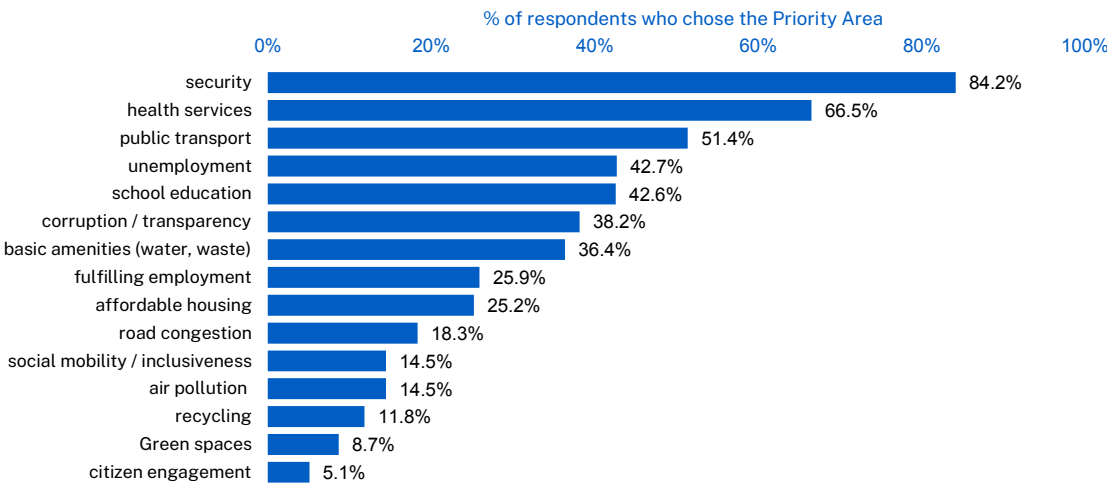
Country

Brazil

	2019	2020	2021	2022	1 yr change
HDI	0.752	0.753	0.758	0.762	+0.004
Life expectancy at birth	75.3	74.0	72.8	73.4	+0.7
Expected years of schooling	15.4	15.4	15.6	15.6	+0.0
Mean years of schooling	8.1	8.3	8.3	8.3	+0.0
GNI per capita (PPP \$)	14,291	13,815	14,342	14,616	+274

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



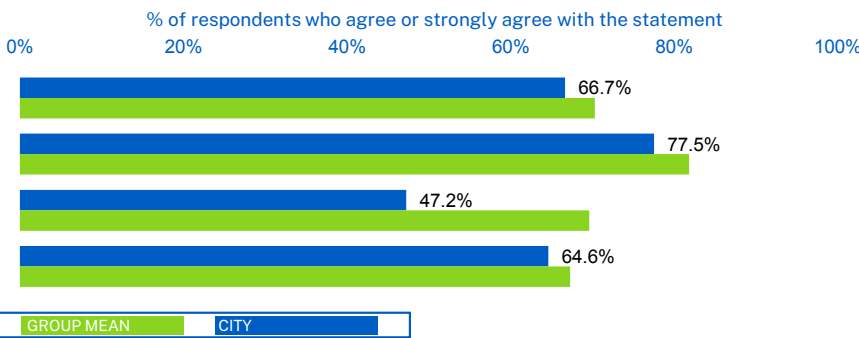
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

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Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

0 20 40 60 80 100



33.0

37.8

11.7

25.4

30.4

20.3

12.7

19.3

12.7

19.3

46.2

23.5

36.9

43.2

25.0

54.7

66.8

46.2

23.5

36.9

43.2

25.0

40.5

14.2

23.6

29.0



TECHNOLOGIES

Score

Health & Safety

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Mobility

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Governance

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0 20 40 60 80 100



33.1

39.7

31.1

40.0

26.5

40.9

39.2

39.4

46.0

53.3

52.1

78.4

57.3

26.7

46.3

58.2

25.3

35.5

33.0

57.4

Riyadh

SMART CITY RANKING

27

Out of 146



25 in 2024
Out of 142

SMART CITY RATING

BB

B in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 7,820,000
(UN World Urbanization Prospects)

HDI 0.899
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

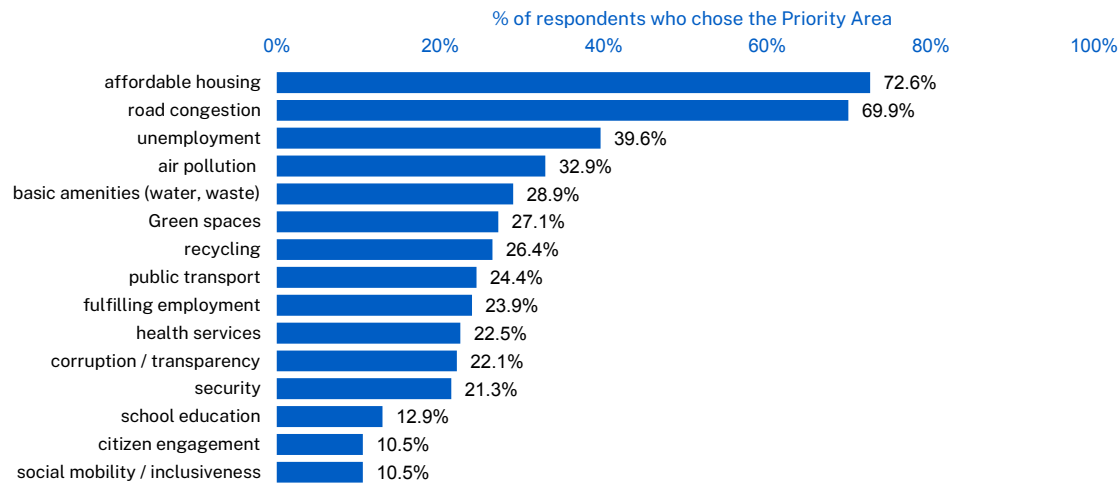
Country

Saudi Arabia

	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP \$)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



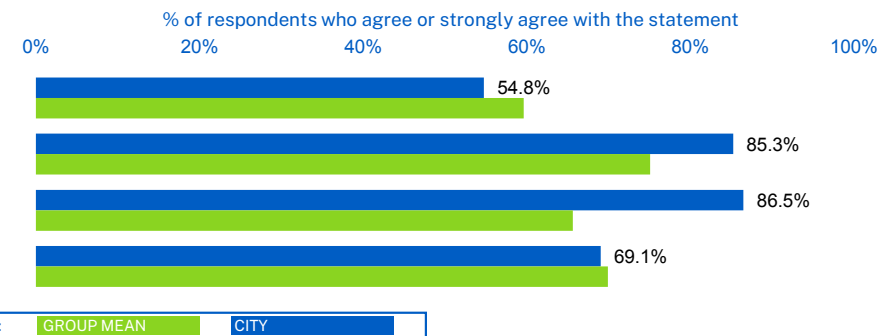
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STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

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Mobility

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Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

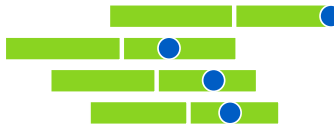
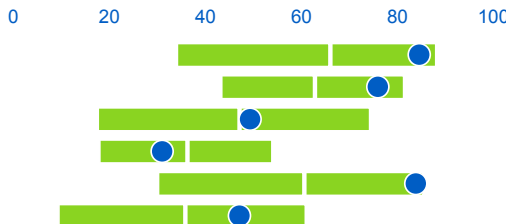
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



LEGEND: MIN CITY MEAN GROUP MAX



TECHNOLOGIES

Score

Health & Safety

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Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

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IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

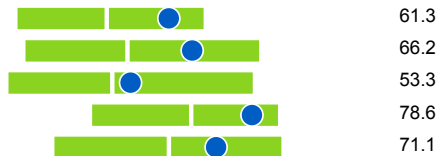
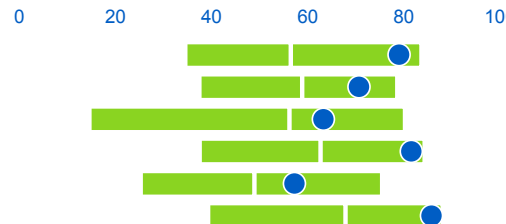
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Rome

SMART CITY RANKING

139

Out of 146



133 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 4,330,000
(UN World Urbanization Prospects)

HDI 0.929
(Global Data Lab)



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Country

Italy

	2019	2020	2021	2022	1 yr change
HDI	0.881	0.886	0.889	0.894	+0.005
Life expectancy at birth	83.6	82.4	82.9	84.1	+1.2
Expected years of schooling	16.4	16.5	16.7	16.7	+0.0
Mean years of schooling	10.7	10.7	10.7	10.7	+0.0
GNI per capita (PPP \$)	43,102	39,587	42,856	44,284	+1,428

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

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Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

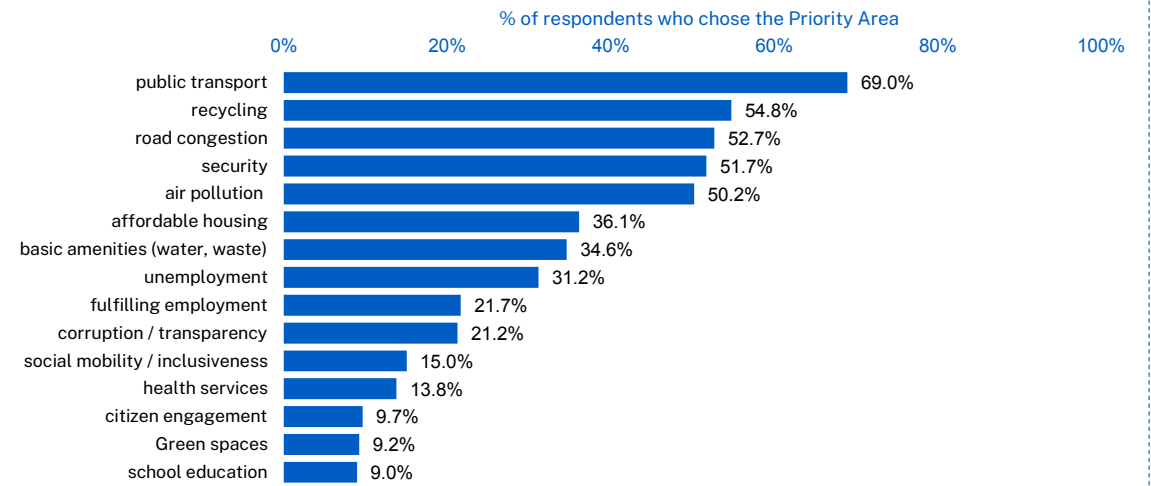
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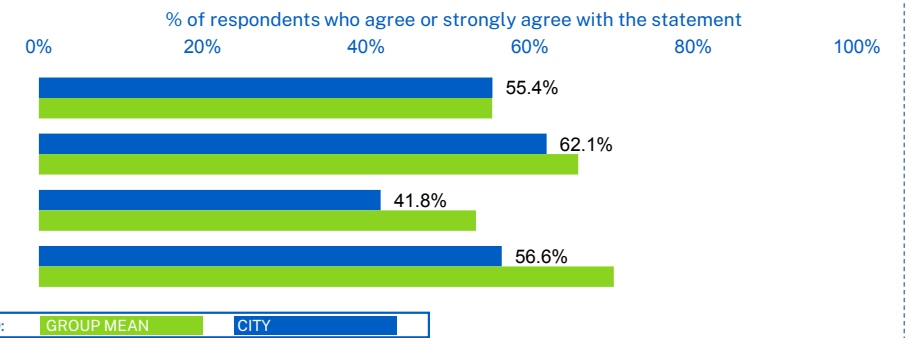
ATTITUDES

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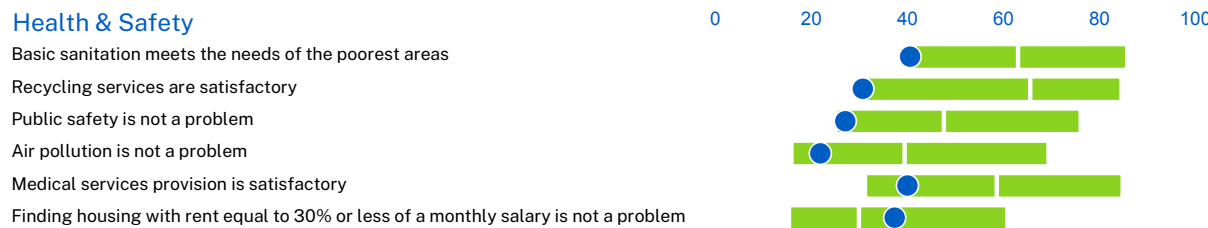
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STRUCTURES

Score



Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

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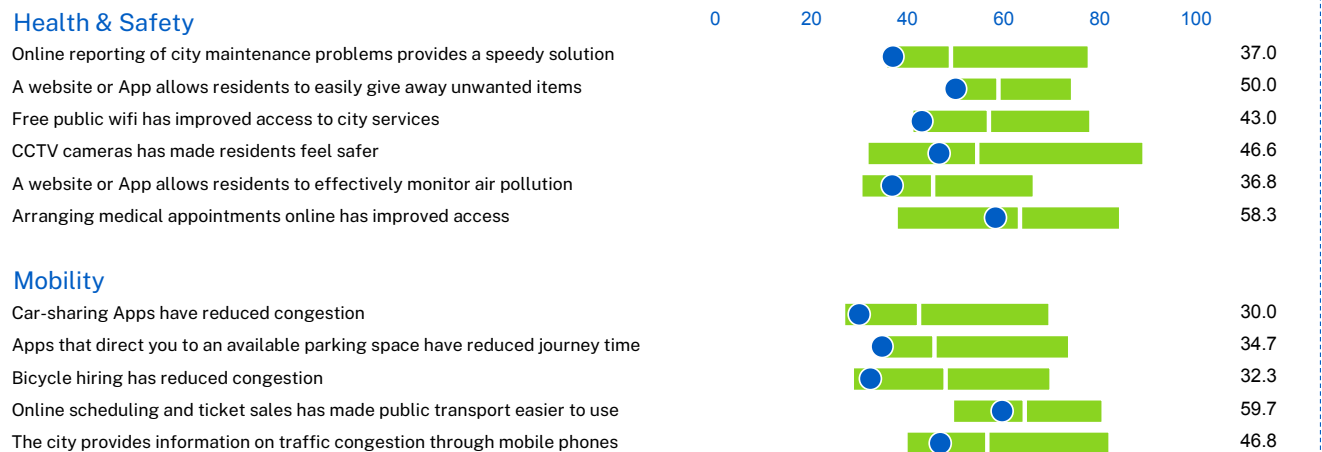
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TECHNOLOGIES

Score



Mobility

Car-sharing Apps have reduced congestion

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Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Rotterdam

SMART CITY RANKING

41

Out of 146



41 in 2024
Out of 142

SMART CITY RATING

BB

A in 2024

FACTOR RATINGS

BBB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,020,000
(UN World Urbanization Prospects)

HDI 0.946
(Global Data Lab)



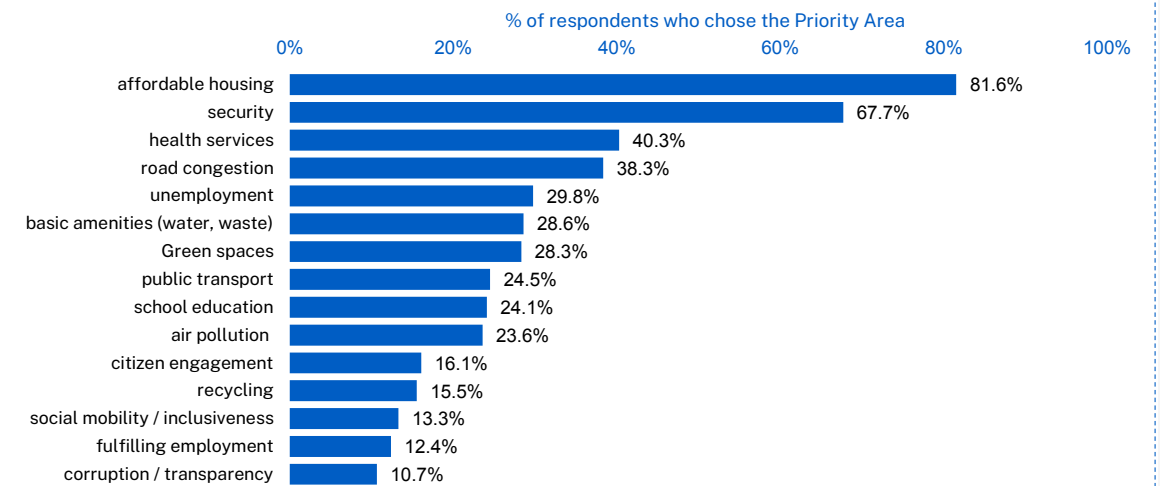
Country

Netherlands

	2019	2020	2021	2022	1 yr change
HDI	0.932	0.933	0.936	0.939	+0.003
Life expectancy at birth	82.0	81.6	81.7	82.5	+0.8
Expected years of schooling	18.4	18.4	18.6	18.6	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP \$)	55,628	52,500	55,355	57,278	+1,923

PRIORITY AREAS

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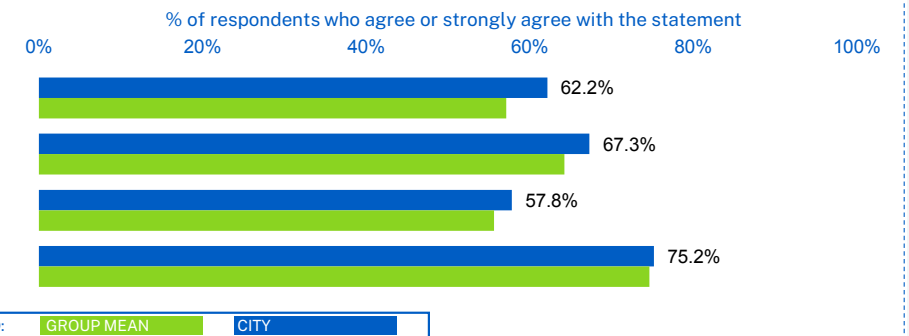
ATTITUDES

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STRUCTURES

Health & Safety

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Minorities feel welcome

Governance

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Residents contribute to decision making of local government

Residents provide feedback on local government projects



Score

0 20 40 60 80 100

54.9

63.2

38.1

32.4

70.7

18.1

22.3

65.2

55.8

74.5

70.2

72.2

59.5

64.6

57.9

61.0

54.4

49.1

55.6

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

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Governance

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Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

47.7

61.0

51.8

54.8

35.1

63.1

33.6

49.8

48.0

62.6

52.2

76.1

75.0

54.9

52.0

71.2

41.9

44.7

51.2

61.3

San Francisco

SMART CITY RANKING

82

Out of 146



75 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

2

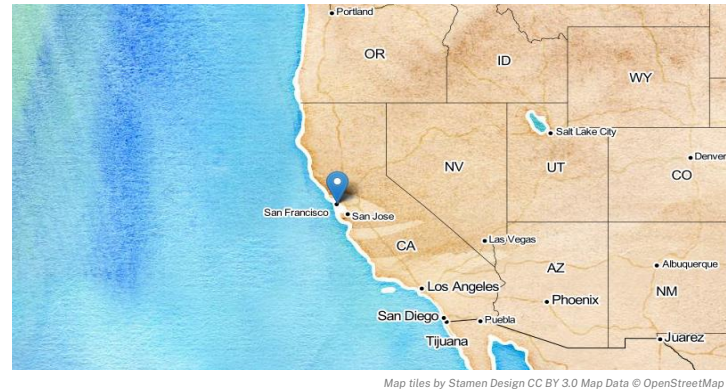
All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 790,000
(UN World Urbanization Prospects)

HDI 0.935
(Global Data Lab)



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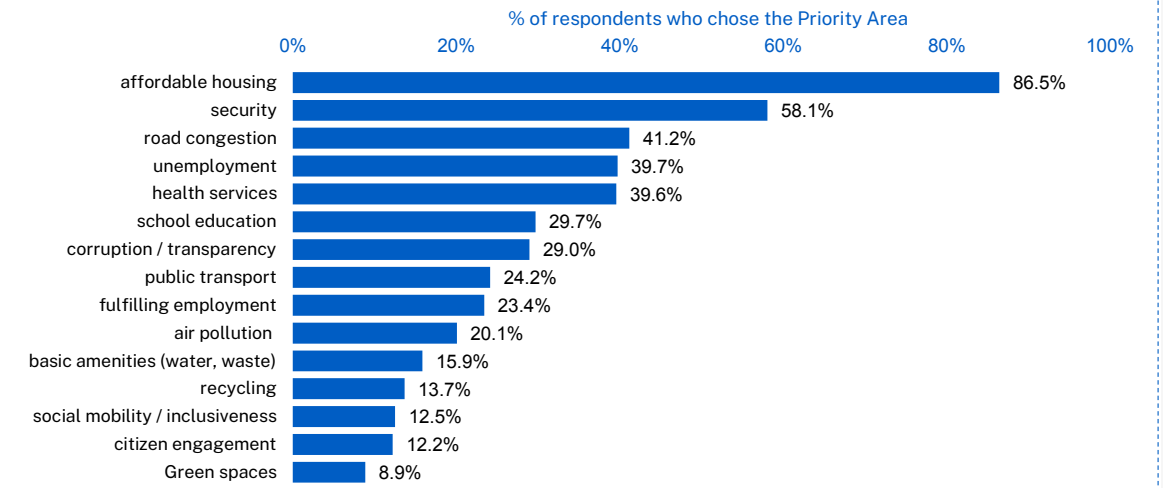
Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

PRIORITY AREAS

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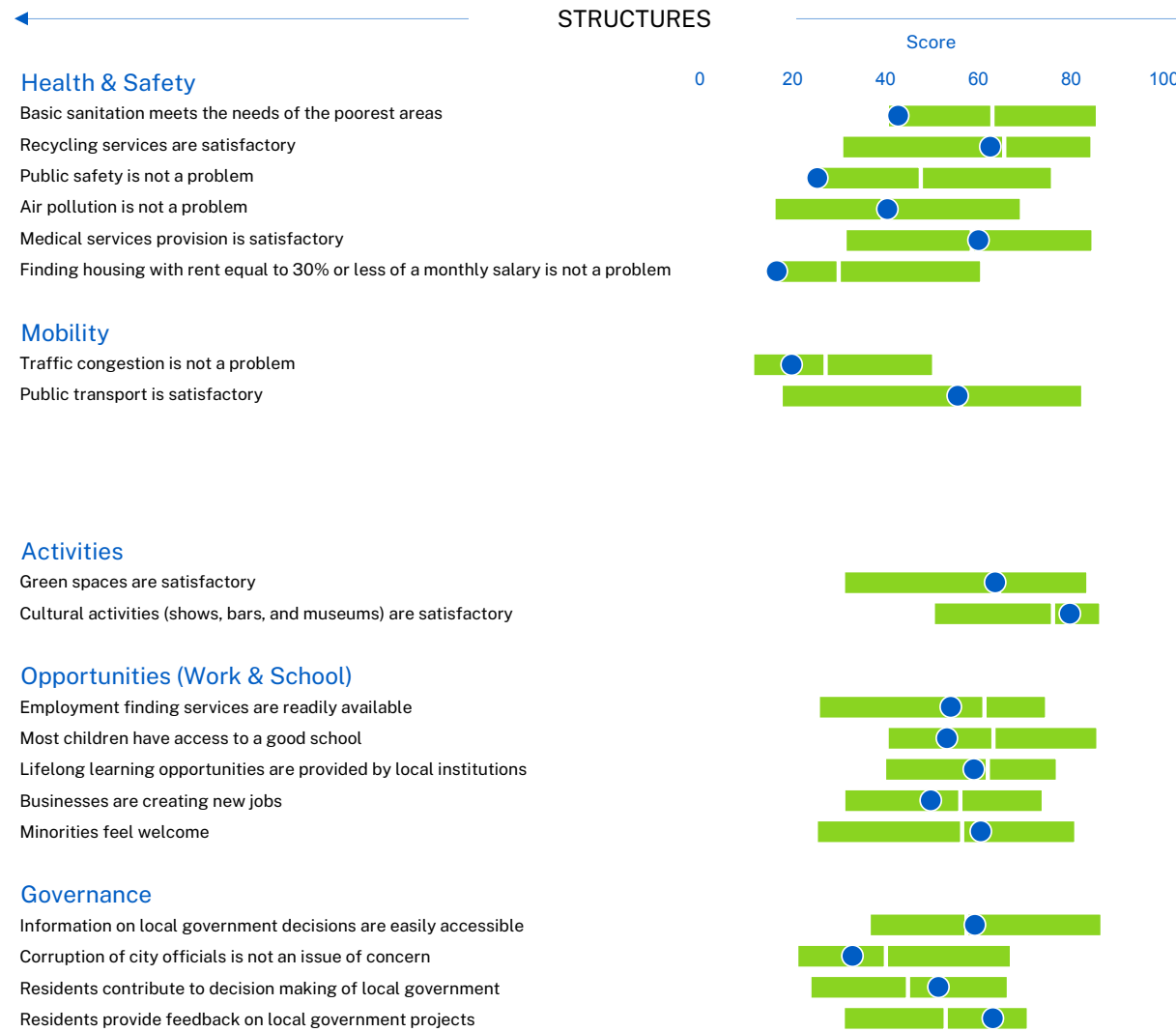
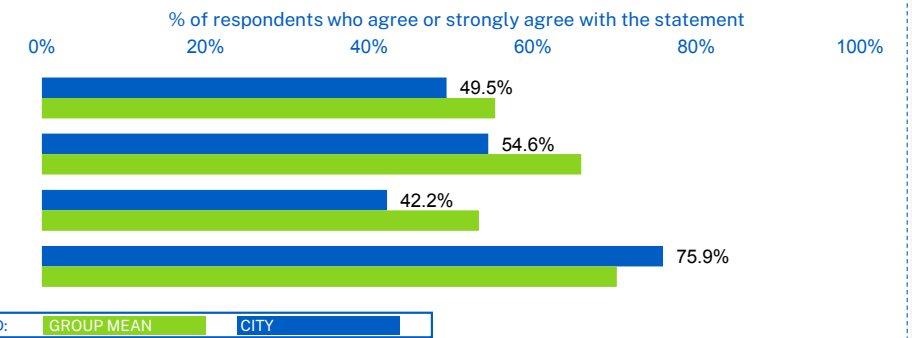
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



San José

SMART CITY RANKING

126

Out of 146



125 in 2024
Out of 142

SMART CITY RATING

CC

C in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,480,000
(UN World Urbanization Prospects)

HDI 0.824
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Costa Rica

	2019	2020	2021	2022	1 yr change
HDI	0.792	0.796	0.800	0.804	+0.004
Life expectancy at birth	79.4	79.3	77.0	77.3	+0.3
Expected years of schooling	15.8	16.1	16.1	16.1	+0.0
Mean years of schooling	8.8	8.8	8.8	8.8	+0.0
GNI per capita (PPP \$)	19,585	18,632	19,913	20,248	+335

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

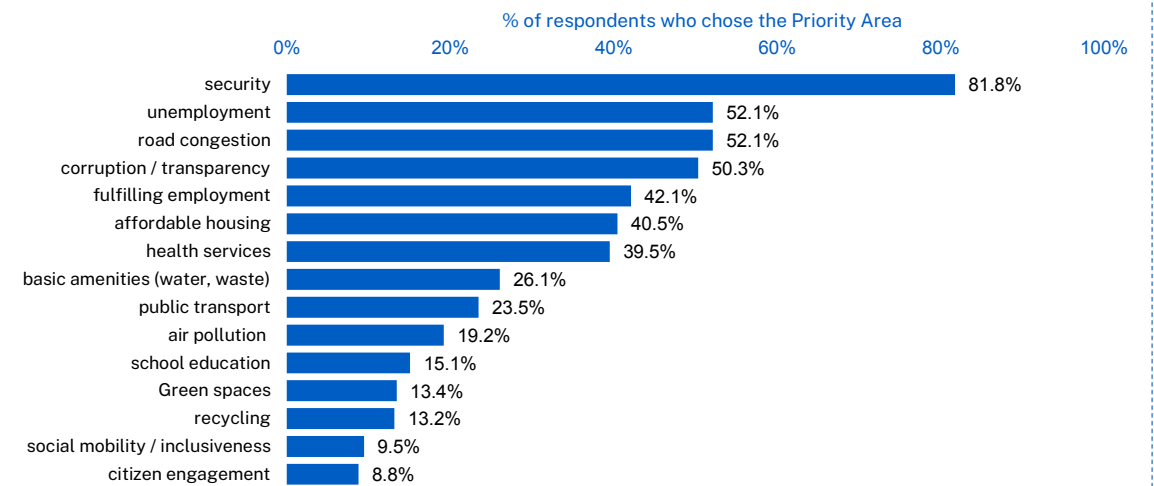
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



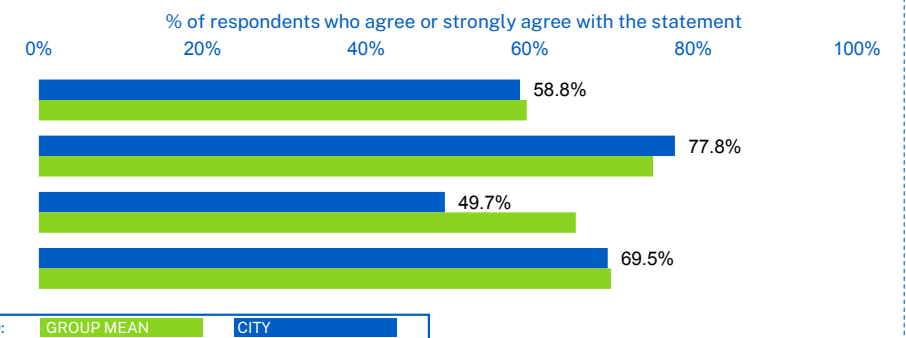
ATTITUDES

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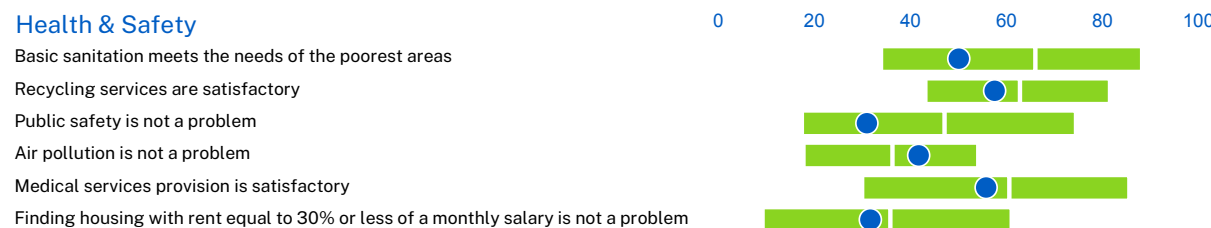
You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score



Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Governance

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Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

San Juan

SMART CITY RANKING

132

Out of 146

not in 2024

SMART CITY RATING

C

not in 2024

FACTOR RATINGS

C

STRUCTURES

C

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,440,000
(UN World Urbanization Prospects)

HDI 0.880
(Global Data Lab)



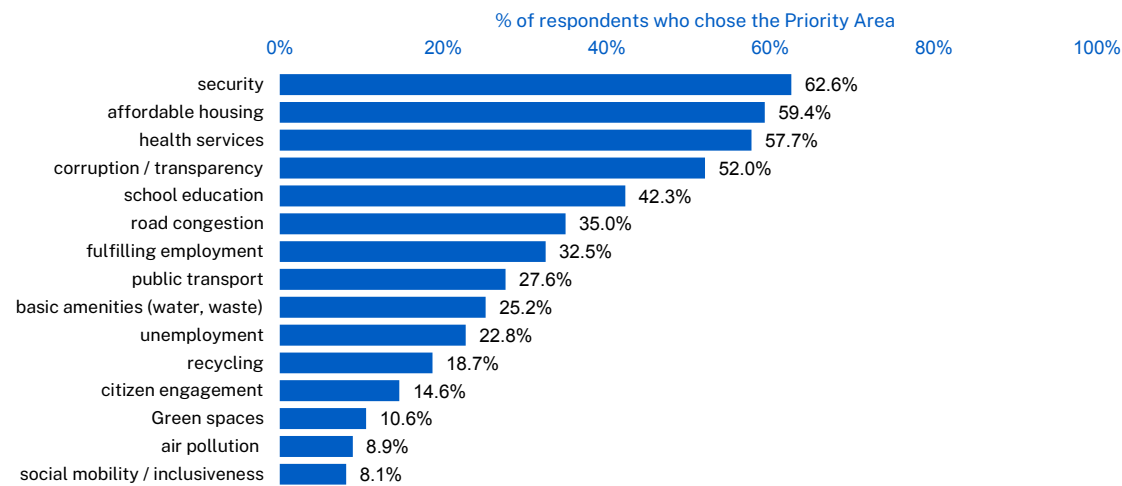
Country

Puerto Rico

	2019	2020	2021	2022	1 yr change
HDI	NA	NA	0.880	0.880	+0.000
Life expectancy at birth	79.1	78.0	80.2	79.7	-0.5
Expected years of schooling	17.6	-	-	16.6	-
Mean years of schooling	12.9	-	-	-	-
GNI per capita (PPP \$)	25,210	25,140	22,590	24,780	+2,190

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



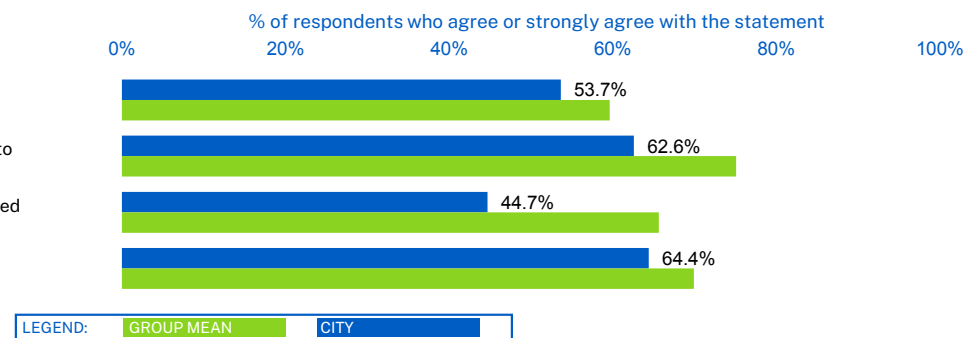
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Sana'a

SMART CITY RANKING

145

Out of 146



141 in 2024
Out of 142

SMART CITY RATING

D

D in 2024

FACTOR RATINGS

D

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 3,410,000
(UN World Urbanization Prospects)

HDI 0.466
(Global Data Lab)



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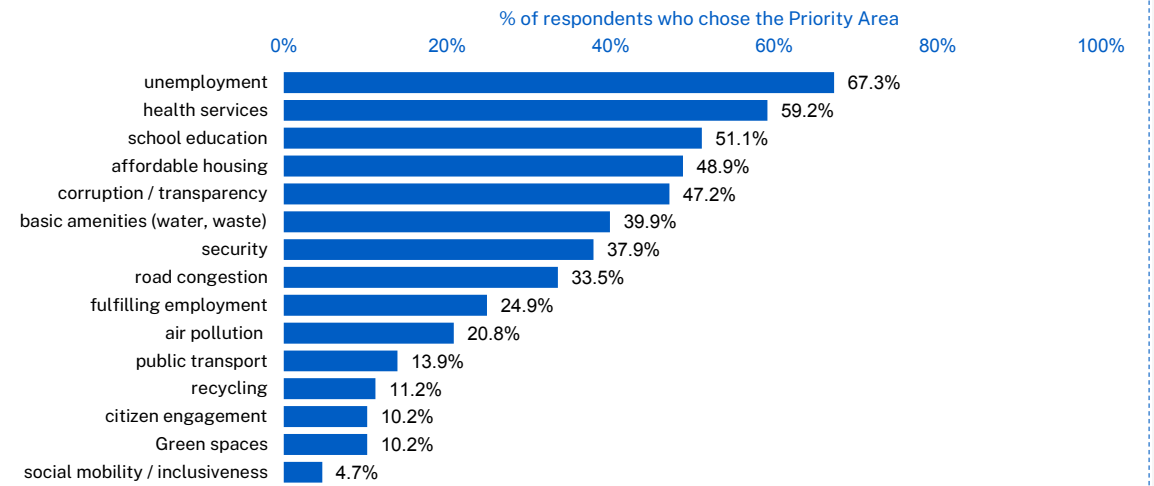
Country

Yemen

	2019	2020	2021	2022	1 yr change
HDI	0.455	0.443	0.432	0.427	-0.005
Life expectancy at birth	65.1	64.7	63.8	63.7	-0.0
Expected years of schooling	7.9	7.9	7.9	7.9	+0.0
Mean years of schooling	2.7	2.8	2.8	2.8	+0.0
GNI per capita (PPP \$)	1,165	1,152	1,112	1,106	-6

PRIORITY AREAS

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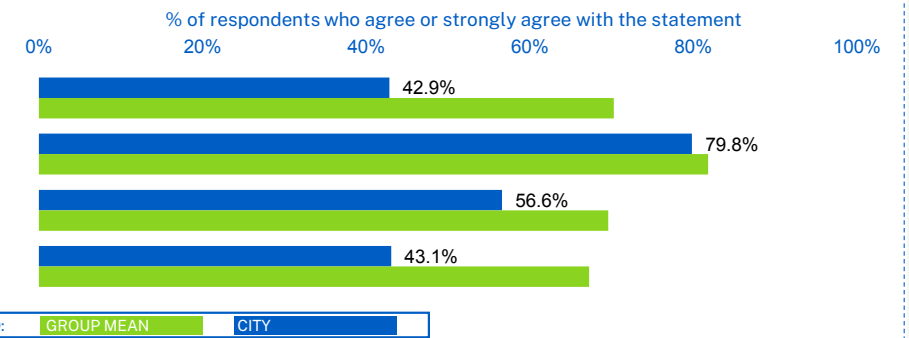
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STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

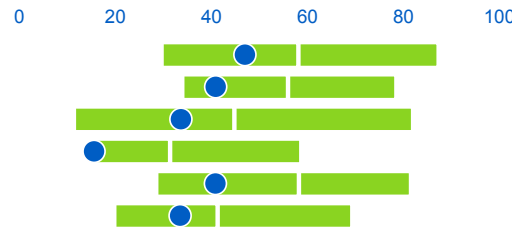
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Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

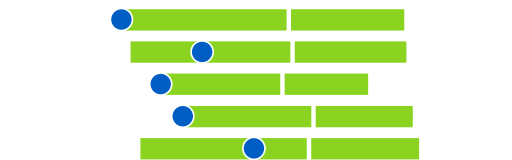
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



Governance

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Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

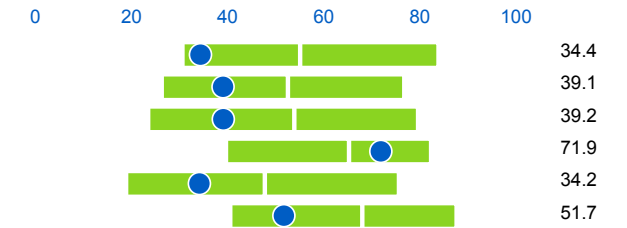
A website or App allows residents to easily give away unwanted items

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CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

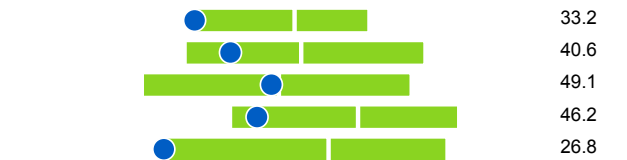
Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

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Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



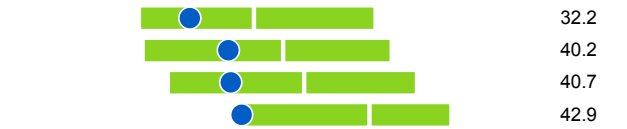
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Santiago

SMART CITY RANKING

120

Out of 146



117 in 2024
Out of 142

SMART CITY RATING

C

C in 2024

FACTOR RATINGS

CC

STRUCTURES

CC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 6,950,000
(UN World Urbanization Prospects)

HDI 0.890
(Global Data Lab)



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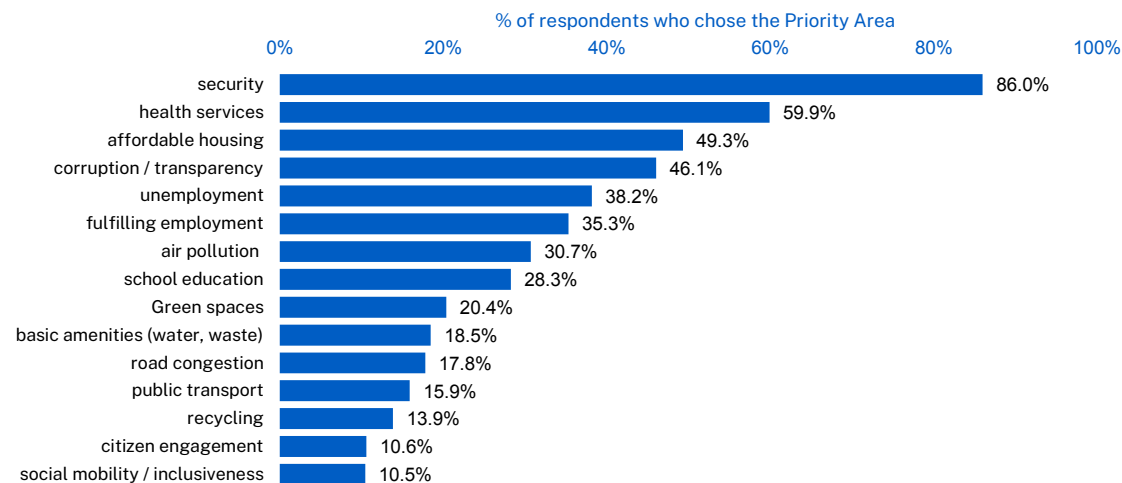
Country

Chile

	2019	2020	2021	2022	1 yr change
HDI	0.846	0.851	0.854	0.856	+0.002
Life expectancy at birth	80.3	79.4	78.9	79.5	+0.6
Expected years of schooling	16.6	16.3	16.8	16.8	+0.0
Mean years of schooling	10.9	11.1	11.1	11.1	+0.0
GNI per capita (PPP \$)	23,893	21,509	23,853	24,431	+578

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



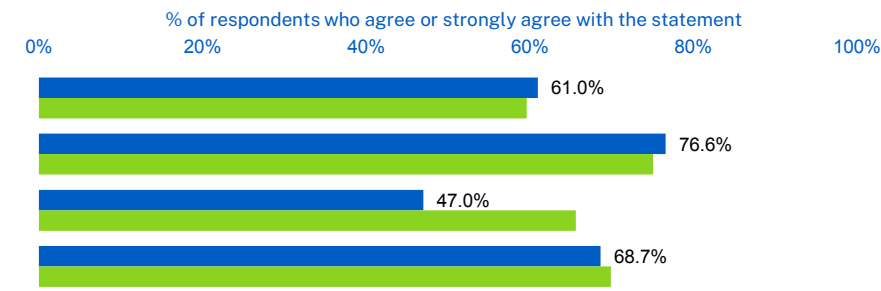
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

46.6

46.5

17.7

18.0

40.6

19.0

23.1

51.7

58.5

66.7

63.3

38.8

42.5

41.9

34.5

48.3

25.5

32.1

43.6

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

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Activities

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Governance

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Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

44.9

49.2

56.0

47.5

39.5

71.0

39.6

45.4

48.0

62.4

64.7

77.9

60.7

41.5

58.1

74.1

28.0

29.6

35.4

58.7

Sao Paulo

SMART CITY RANKING

137

Out of 146



132 in 2024
Out of 142

SMART CITY RATING

D

D in 2024

FACTOR RATINGS

D

STRUCTURES

C

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 22,810,000
(UN World Urbanization Prospects)

HDI 0.786
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Brazil

	2019	2020	2021	2022	1 yr change
HDI	0.752	0.753	0.758	0.762	+0.004
Life expectancy at birth	75.3	74.0	72.8	73.4	+0.7
Expected years of schooling	15.4	15.4	15.6	15.6	+0.0
Mean years of schooling	8.1	8.3	8.3	8.3	+0.0
GNI per capita (PPP \$)	14,291	13,815	14,342	14,616	+274

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

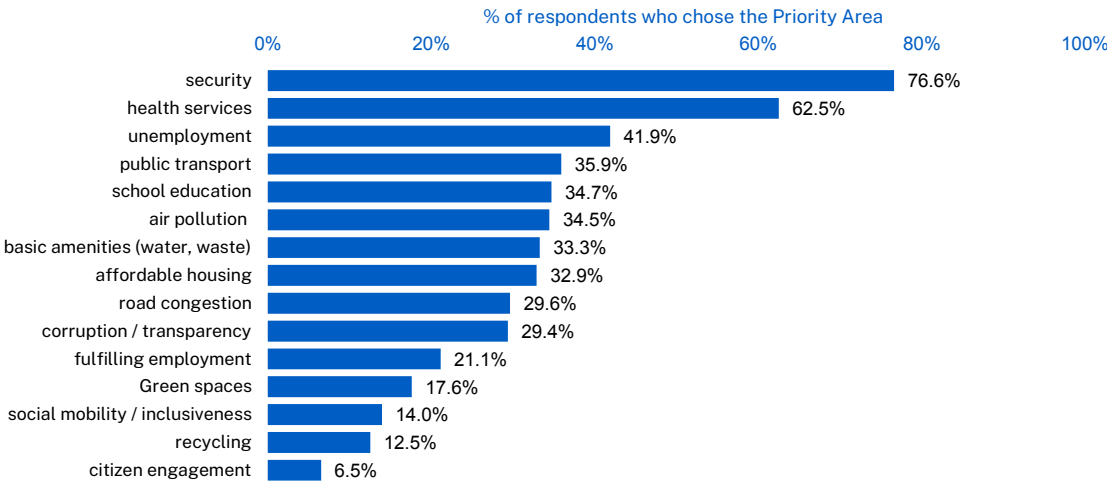
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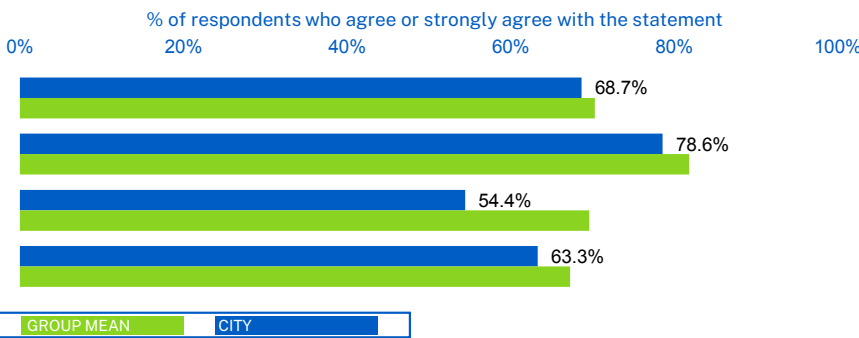
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

39.8

47.1

19.0

18.2

35.0

21.2

13.6

28.0

50.9

71.1

55.8

34.6

45.7

52.0

29.3

39.6

21.1

28.3

33.6

TECHNOLOGIES

Score

0 20 40 60 80 100

38.6

48.1

46.3

47.6

38.7

51.9

42.1

52.4

45.6

59.3

60.1

78.9

64.8

31.5

54.5

57.6

32.0

44.3

40.1

64.3

Seattle

SMART CITY RANKING

56

Out of 146



63 in 2024
Out of 142

SMART CITY RATING

BBB

BB in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

1

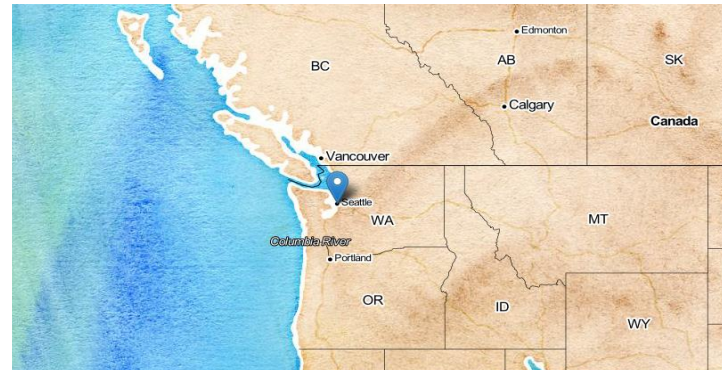
All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 760,000
(UN World Urbanization Prospects)

HDI 0.952
(Global Data Lab)



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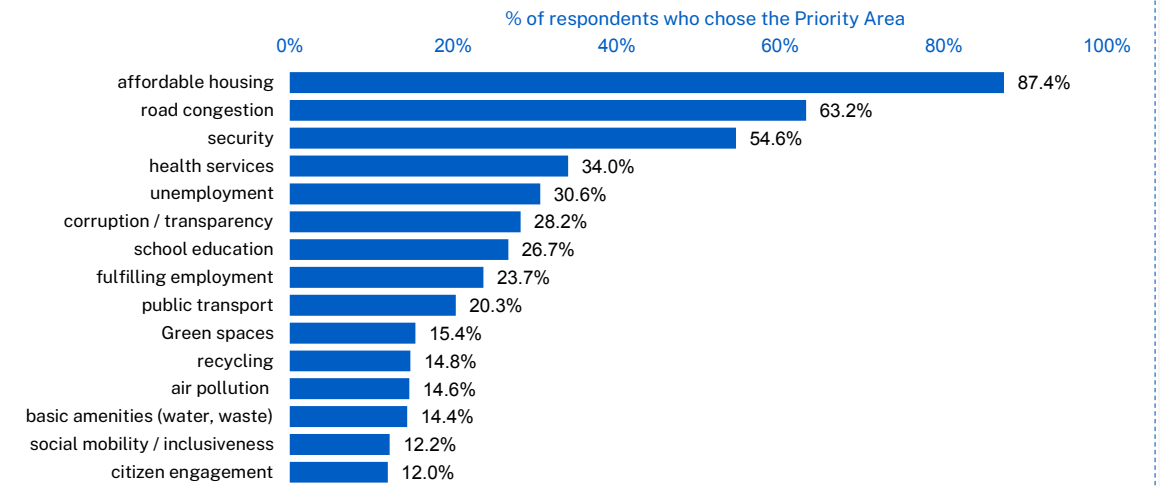
Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



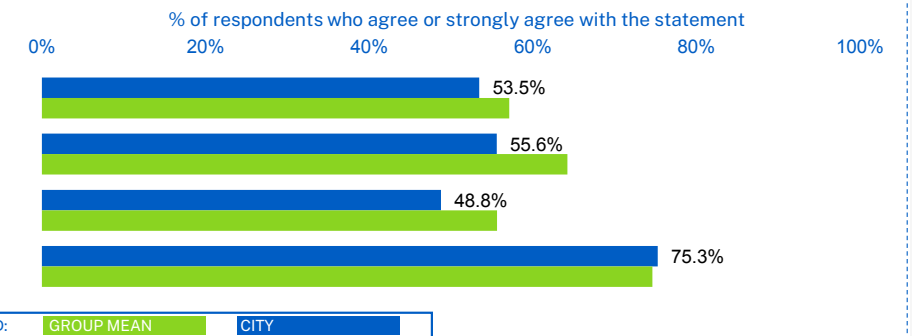
ATTITUDES

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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



Seoul

SMART CITY RANKING

13

Out of 146



17 in 2024

Out of 142

SMART CITY RATING

BBB

AA in 2024

FACTOR RATINGS

AA

STRUCTURES

AAA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 10,000,000
(UN World Urbanization Prospects)

HDI 0.961
(Global Data Lab)



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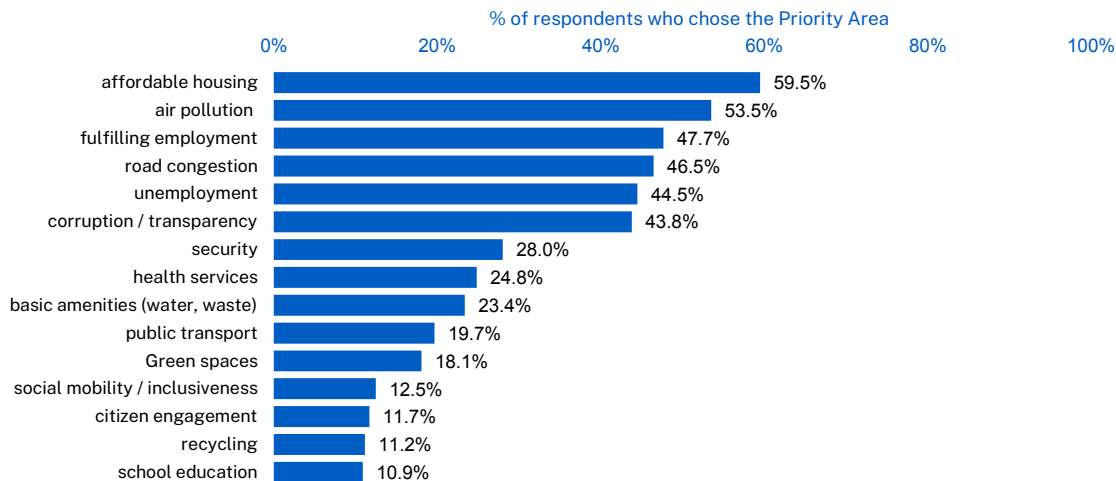
Country

Korea (Republic of)

	2019	2020	2021	2022	1 yr change
HDI	0.908	0.912	0.915	0.918	+0.003
Life expectancy at birth	83.7	83.6	83.7	84.0	+0.3
Expected years of schooling	16.4	16.4	16.5	16.5	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP \$)	43,117	42,757	44,710	46,026	+1,317

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



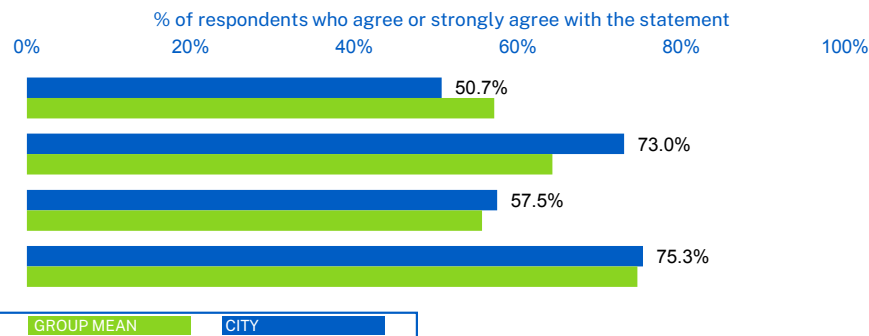
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

76.6

72.7

71.4

20.0

72.5

28.8

22.7

74.8

54.8

69.5

63.3

58.7

64.6

46.8

30.6

66.3

30.5

51.3

51.8

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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Mobility

Car-sharing Apps have reduced congestion

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Activities

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Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

60.8

66.9

73.1

82.1

67.6

72.2

41.5

53.3

48.1

74.7

80.5

80.4

67.8

65.1

55.9

81.3

47.2

58.3

58.9

78.5

Shanghai

SMART CITY RANKING

15

Out of 146



19 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 29,870,000
(UN World Urbanization Prospects)

HDI 0.895
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

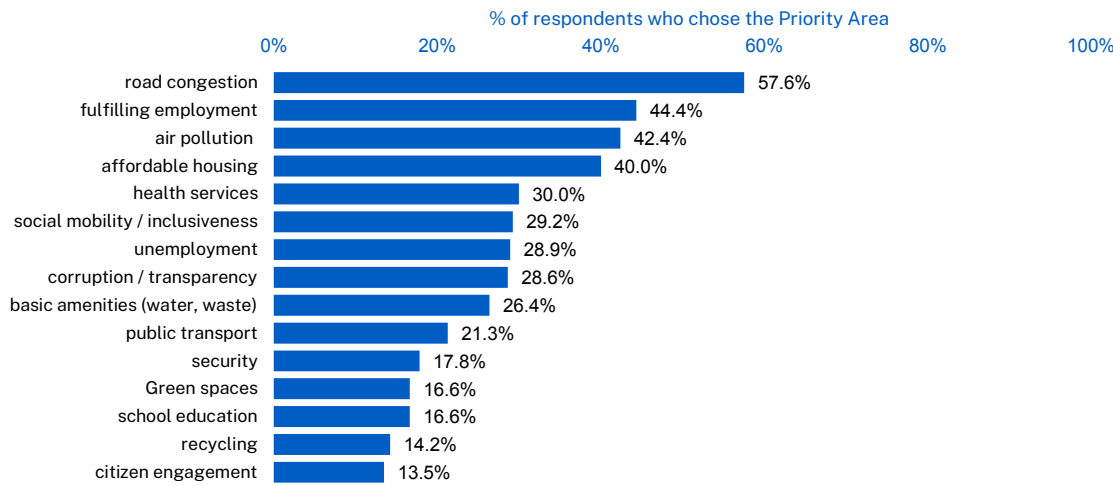
Country

China

	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP \$)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



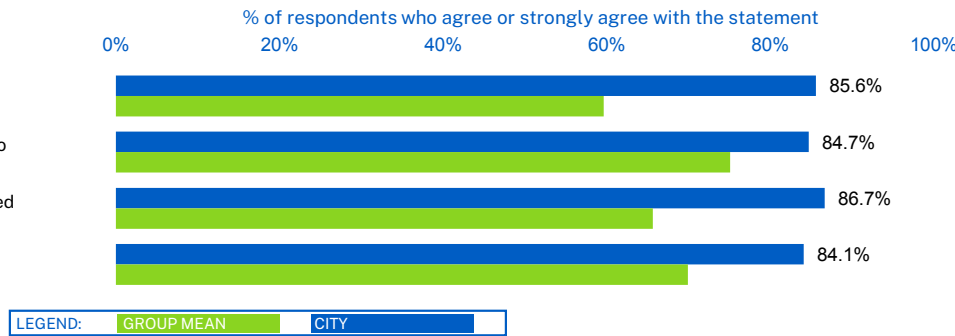
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

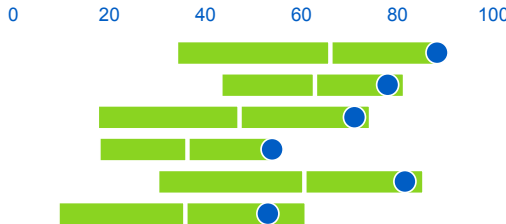
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



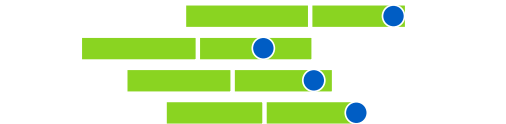
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

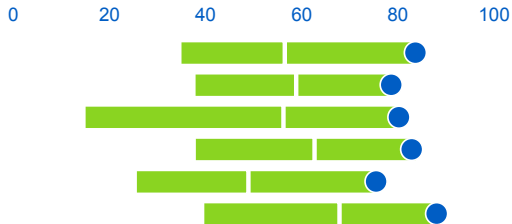
A website or App allows residents to easily give away unwanted items

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CCTV cameras has made residents feel safer

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Arranging medical appointments online has improved access



Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

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The current internet speed and reliability meet connectivity needs



Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

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Shenzhen

SMART CITY RANKING

50

Out of 146



60 in 2024
Out of 142

SMART CITY RATING

CCC

CCC in 2024

FACTOR RATINGS

CCC

STRUCTURES

CCC

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 13,310,000
(UN World Urbanization Prospects)

HDI 0.813
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

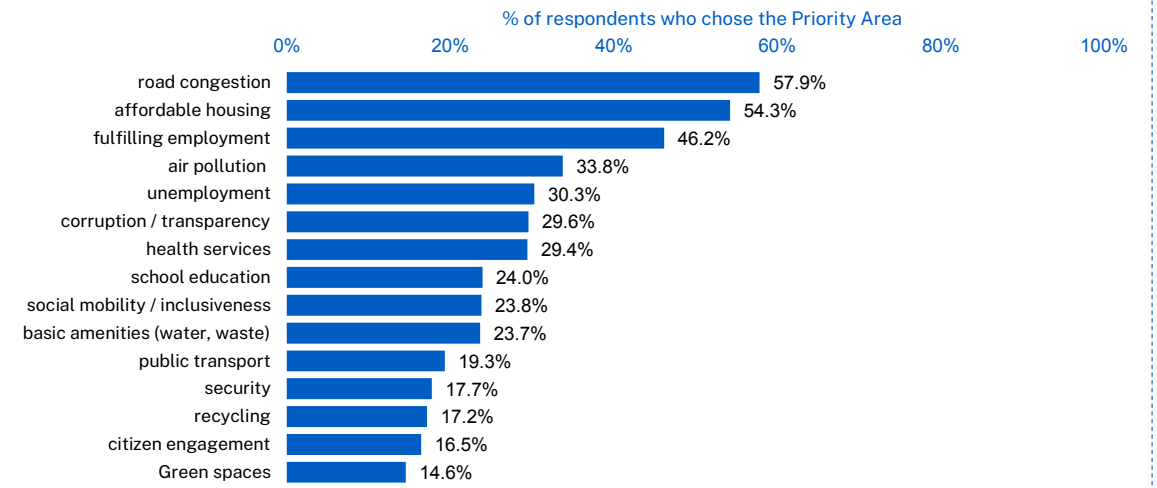
Country

China

	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP \$)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



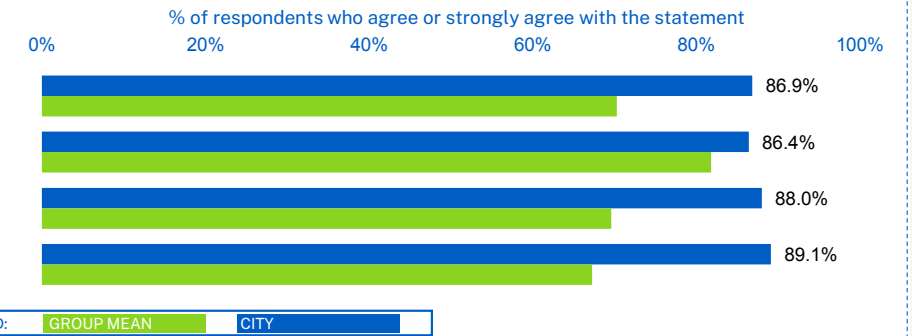
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You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

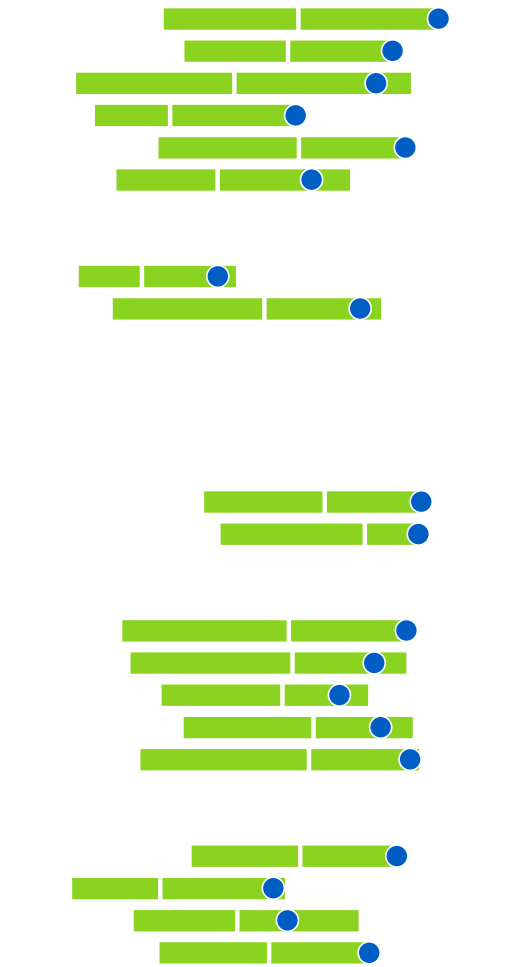
Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100



TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

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Mobility

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Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

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Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100



Singapore

SMART CITY RANKING

9

Out of 146



5 in 2024
Out of 142

SMART CITY RATING

AAA

A in 2024

FACTOR RATINGS

AAA

STRUCTURES

AAA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 6,120,000
(UN World Urbanization Prospects)

HDI 0.949
(Global Data Lab)



Country

Singapore

	2019	2020	2021	2022	1 yr change
HDI	0.935	0.937	0.938	0.942	+0.004
Life expectancy at birth	83.8	82.9	82.8	84.1	+1.4
Expected years of schooling	16.7	16.8	16.9	16.9	+0.0
Mean years of schooling	11.9	11.9	11.9	11.9	+0.0
GNI per capita (PPP \$)	86,456	81,431	88,519	88,761	+242

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

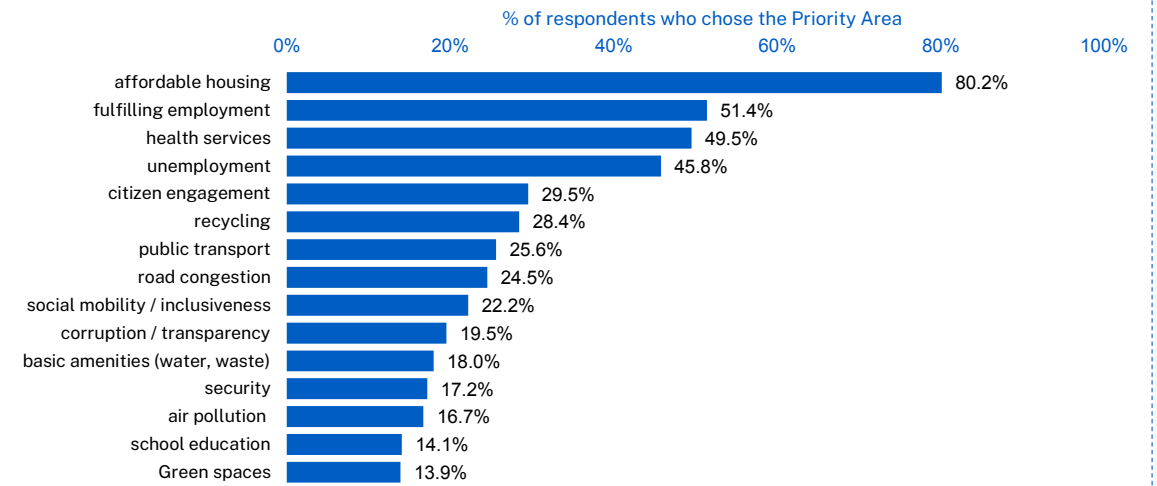
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

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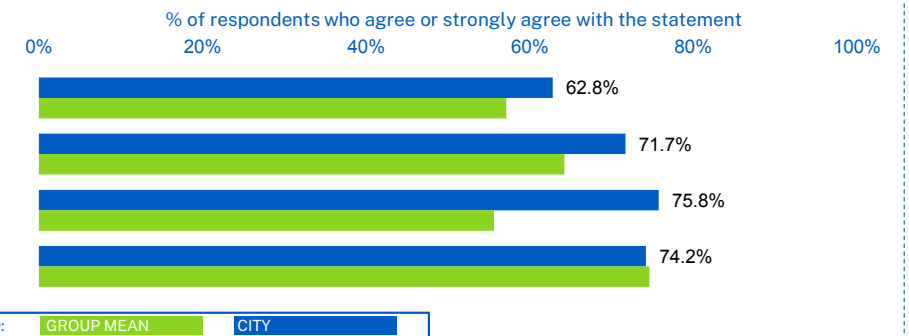
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You are comfortable with face recognition technologies to lower crime

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

83.7

66.4

80.2

65.8

78.4

45.2

47.9

77.0

74.7

75.8

70.6

77.6

81.2

65.0

68.9

78.6

62.7

58.1

66.0

TECHNOLOGIES

Score

0 20 40 60 80 100

66.5

64.1

68.4

78.0

60.5

76.5

52.9

56.5

51.6

59.7

71.2

80.5

75.5

68.5

69.8

81.2

57.8

55.0

59.8

77.8

SMART CITY RANKING

121

Out of 146



113 in 2024
Out of 142

SMART CITY RATING

CC

C in 2024

FACTOR RATINGS

C

STRUCTURES

CC

TECHNOLOGIES

GROUP

3

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,290,000
(UN World Urbanization Prospects)

HDI 0.856
(Global Data Lab)



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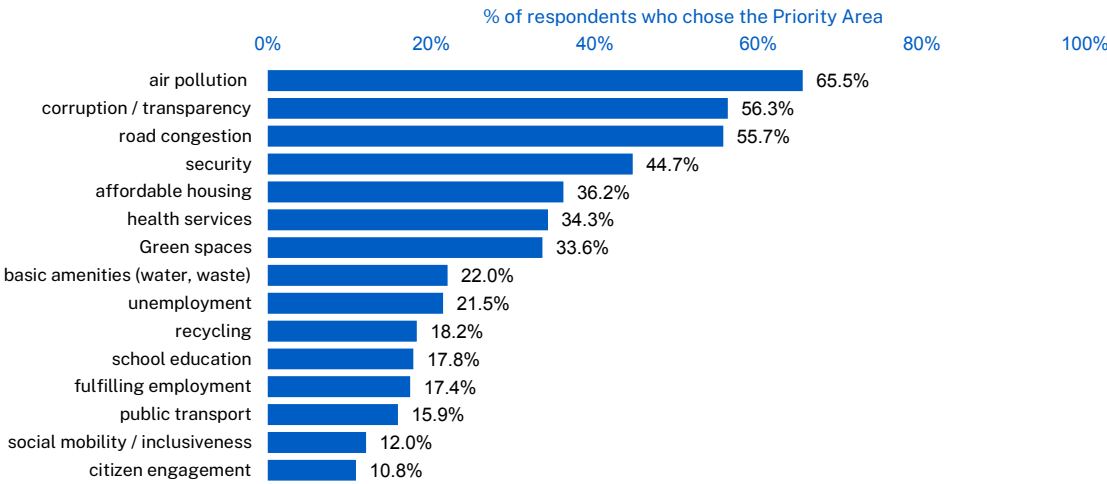
Country

Bulgaria

	2019	2020	2021	2022	1 yr change
HDI	0.809	0.810	0.810	0.811	+0.001
Life expectancy at birth	75.1	73.6	71.8	71.5	-0.3
Expected years of schooling	14.3	14.0	13.9	13.9	+0.0
Mean years of schooling	11.4	11.4	11.4	11.4	+0.0
GNI per capita (PPP \$)	22,591	21,653	23,725	25,921	+2,196

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



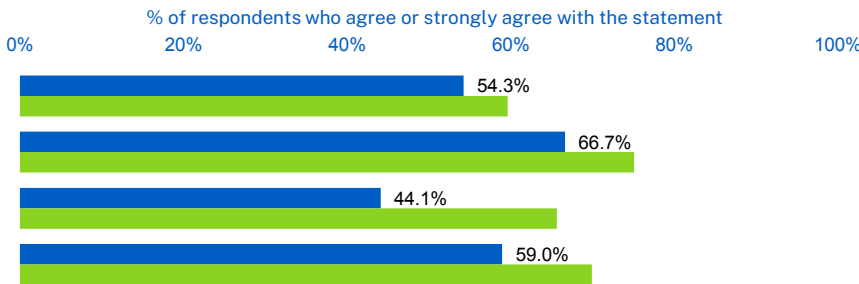
ATTITUDES

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You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Stockholm

SMART CITY RANKING

18

Out of 146



11 in 2024
Out of 142

SMART CITY RATING

AA

A in 2024

FACTOR RATINGS

AA

STRUCTURES

A

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,720,000
(UN World Urbanization Prospects)

HDI 0.976
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Sweden

	2019	2020	2021	2022	1 yr change
HDI	0.937	0.939	0.941	0.943	+0.002
Life expectancy at birth	83.1	82.4	83.0	83.5	+0.5
Expected years of schooling	18.5	18.7	19.0	19.0	+0.0
Mean years of schooling	12.6	12.7	12.7	12.7	+0.0
GNI per capita (PPP \$)	54,441	53,195	55,908	56,996	+1,088

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

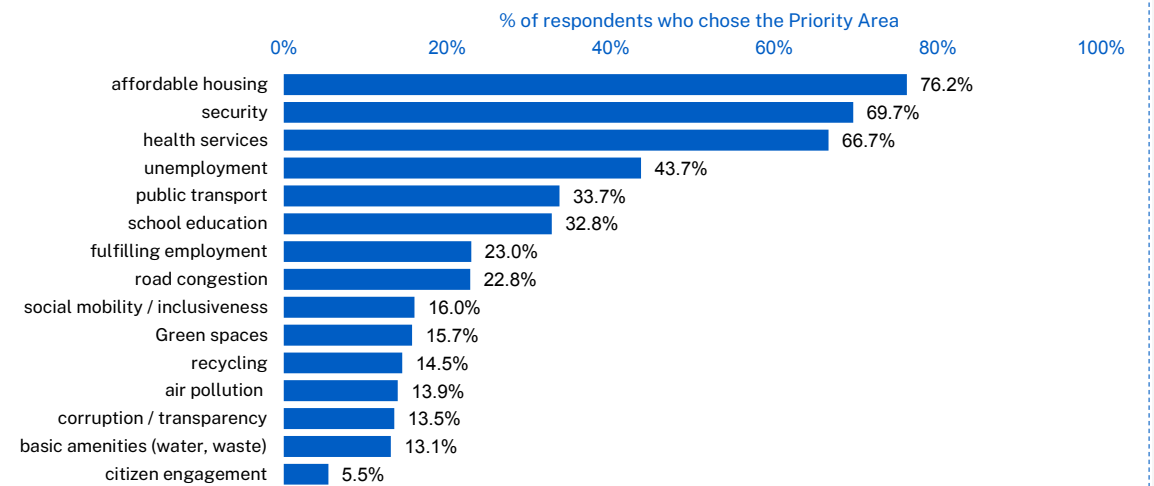
Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



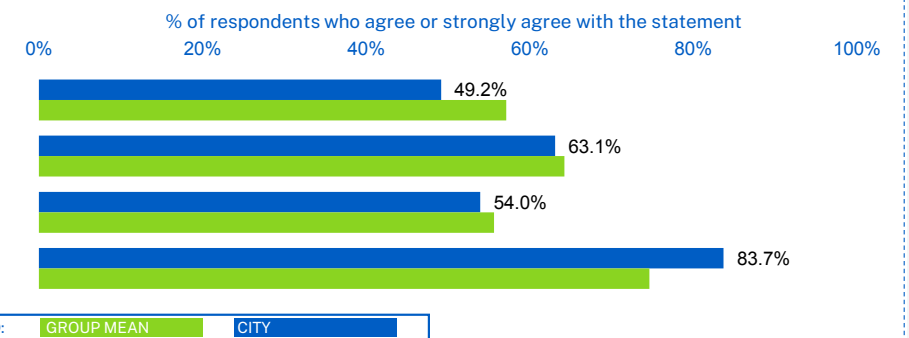
ATTITUDES

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STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

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CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

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Activities

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Opportunities (Work & School)

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Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

TECHNOLOGIES

Score

0 20 40 60 80 100

45.2

62.1

56.6

49.5

35.5

54.0

31.4

40.1

38.9

67.5

54.9

76.6

63.3

50.2

49.5

68.9

36.7

42.0

46.4

51.9

Sydney

SMART CITY RANKING

32

Out of 146



22 in 2024
Out of 142

SMART CITY RATING

A

A in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 5,180,000
(UN World Urbanization Prospects)

HDI 0.946
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Australia

	2019	2020	2021	2022	1 yr change
HDI	0.933	0.936	0.937	0.941	+0.004
Life expectancy at birth	83.1	84.3	84.5	83.6	-0.9
Expected years of schooling	21.4	20.9	21.1	21.1	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP \$)	47,054	48,075	48,076	49,257	+1,181

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

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Activities

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Minorities feel welcome

Governance

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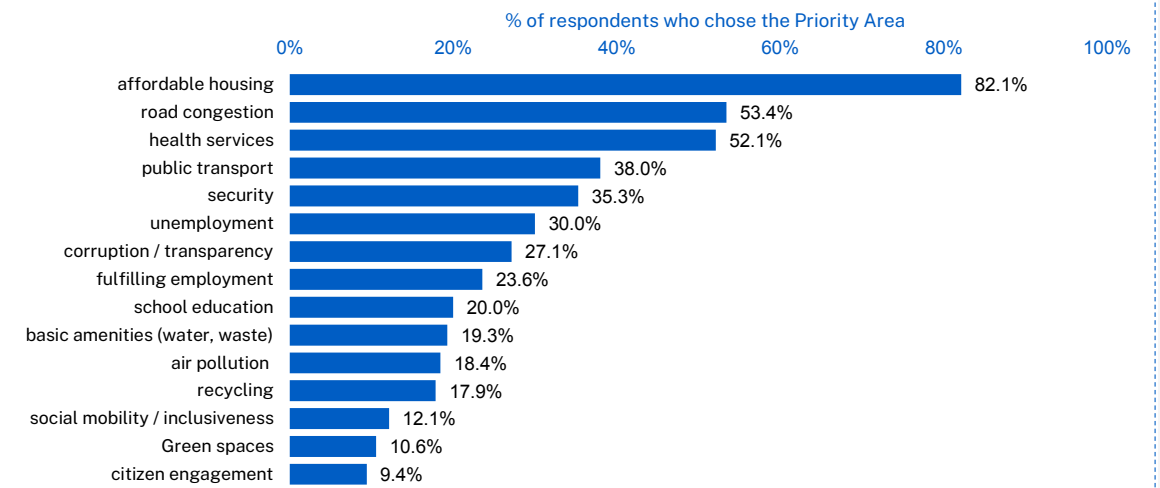
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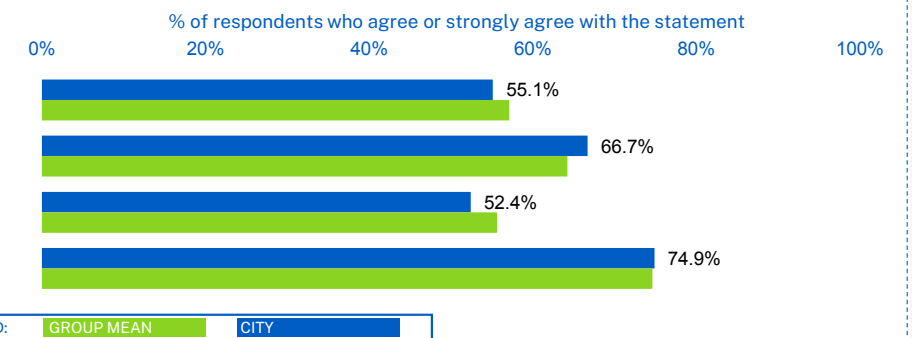
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STRUCTURES

Score

0 20 40 60 80 100

Health & Safety

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Mobility

Car-sharing Apps have reduced congestion

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Bicycle hiring has reduced congestion

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The city provides information on traffic congestion through mobile phones

Activities

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IT skills are taught well in schools

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Governance

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TECHNOLOGIES

Score

0 20 40 60 80 100

Health & Safety

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Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

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Taipei City

SMART CITY RANKING

23

Out of 146



16 in 2024
Out of 142

SMART CITY RATING

A

A in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,770,000
(UN World Urbanization Prospects)

HDI 0.925



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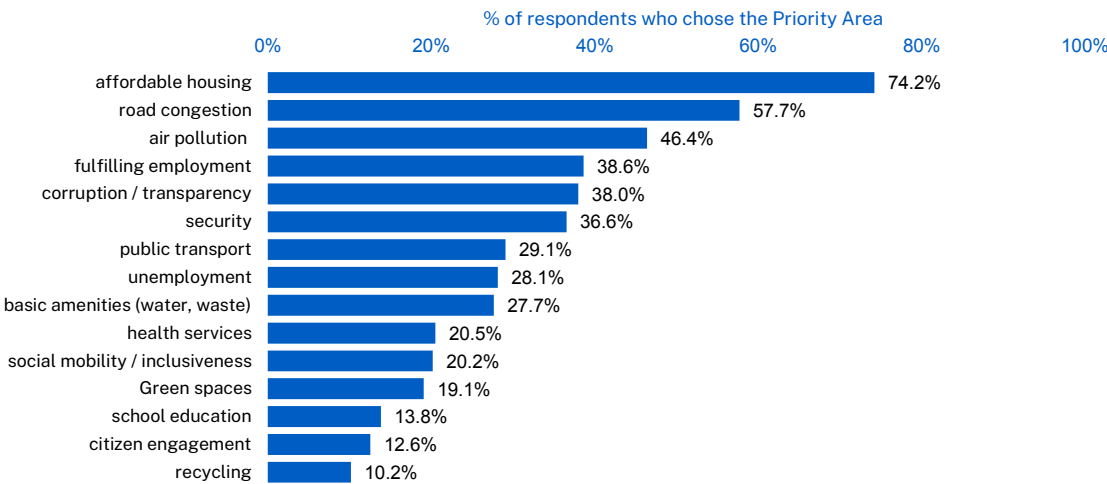
Country

Taiwan

	2019	2020	2021	2022	1 yr change
HDI	0.916	0.923	0.926	0.925	-0.001
Life expectancy at birth	80.9	81.3	80.9	79.8	-1.1
Expected years of schooling	16.5	16.6	16.8	16.9	+0.1
Mean years of schooling	12.3	12.4	12.5	12.6	+0.1
GNI per capita (PPP \$)	52,625	54,622	58,379	60,535	+2,156

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



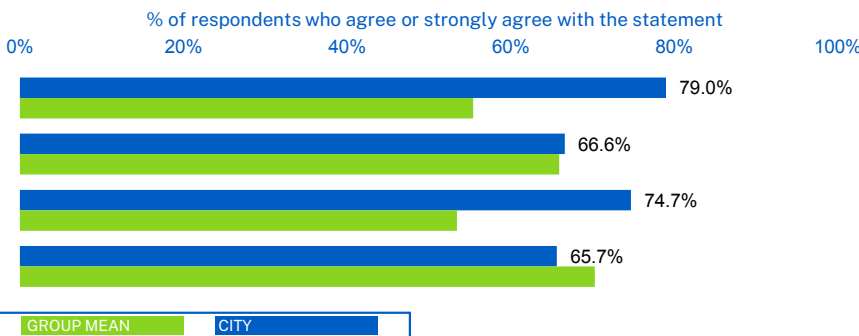
ATTITUDES

You are willing to concede personal data in order to improve traffic congestion

You are comfortable with face recognition technologies to lower crime

You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

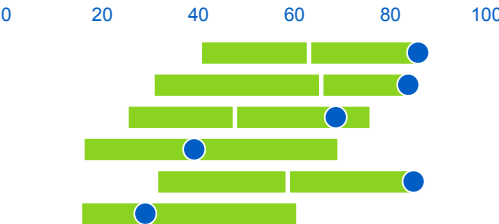
Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

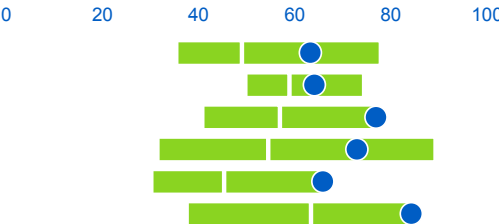
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access



Mobility

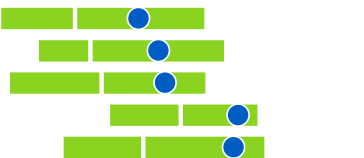
Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Tallinn

SMART CITY RANKING

22

Out of 146



24 in 2024
Out of 142

SMART CITY RATING

A

BBB in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 390,000
(UN World Urbanization Prospects)

HDI 0.941
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Estonia

	2019	2020	2021	2022	1 yr change
HDI	0.883	0.884	0.886	0.890	+0.004
Life expectancy at birth	78.7	78.3	77.1	79.2	+2.0
Expected years of schooling	15.7	15.8	15.9	15.9	+0.0
Mean years of schooling	13.6	13.5	13.5	13.5	+0.0
GNI per capita (PPP \$)	35,472	35,481	38,027	37,152	-876

STRUCTURES

Health & Safety

- Basic sanitation meets the needs of the poorest areas
- Recycling services are satisfactory
- Public safety is not a problem
- Air pollution is not a problem
- Medical services provision is satisfactory
- Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

- Traffic congestion is not a problem
- Public transport is satisfactory

Activities

- Green spaces are satisfactory
- Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

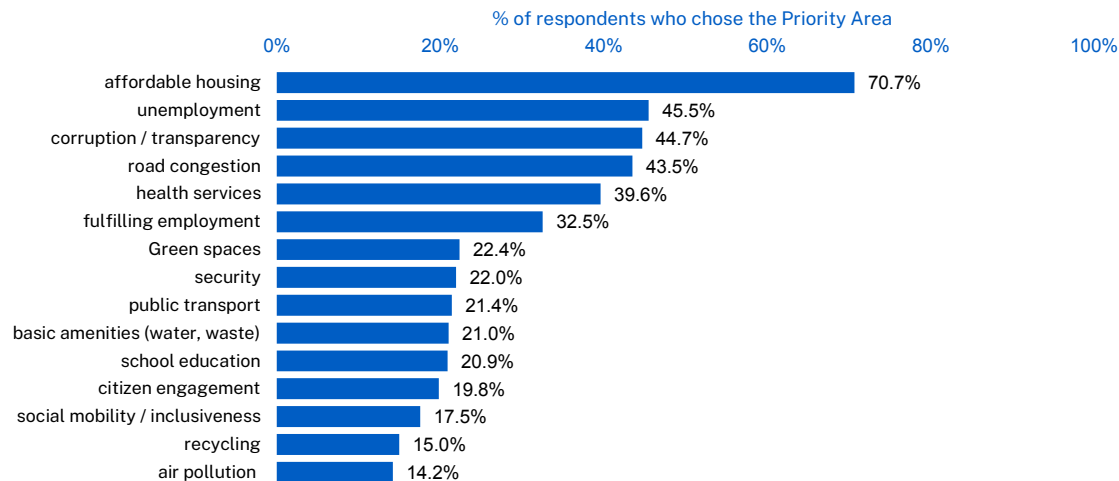
- Employment finding services are readily available
- Most children have access to a good school
- Lifelong learning opportunities are provided by local institutions
- Businesses are creating new jobs
- Minorities feel welcome

Governance

- Information on local government decisions are easily accessible
- Corruption of city officials is not an issue of concern
- Residents contribute to decision making of local government
- Residents provide feedback on local government projects

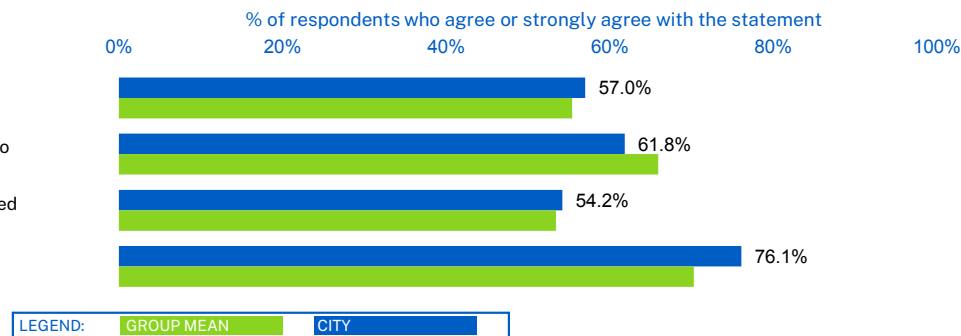
PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES

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- You are comfortable with face recognition technologies to lower crime
- You feel the availability of online information has increased your trust in authorities
- The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Health & Safety

- Online reporting of city maintenance problems provides a speedy solution
- A website or App allows residents to easily give away unwanted items
- Free public wifi has improved access to city services
- CCTV cameras has made residents feel safer
- A website or App allows residents to effectively monitor air pollution
- Arranging medical appointments online has improved access

Mobility

- Car-sharing Apps have reduced congestion
- Apps that direct you to an available parking space have reduced journey time
- Bicycle hiring has reduced congestion
- Online scheduling and ticket sales has made public transport easier to use
- The city provides information on traffic congestion through mobile phones

Activities

- Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

- Online access to job listings has made it easier to find work
- IT skills are taught well in schools
- Online services provided by the city has made it easier to start a new business
- The current internet speed and reliability meet connectivity needs

Governance

- Online public access to city finances has reduced corruption
- Online voting has increased participation
- An online platform where residents can propose ideas has improved city life
- Processing Identification Documents online has reduced waiting times

SMART CITY RANKING

96
Out of 146



94 in 2024
Out of 142

SMART CITY RATING

B

B in 2024

FACTOR RATINGS

CCC

STRUCTURES

B

TECHNOLOGIES

GROUP

2

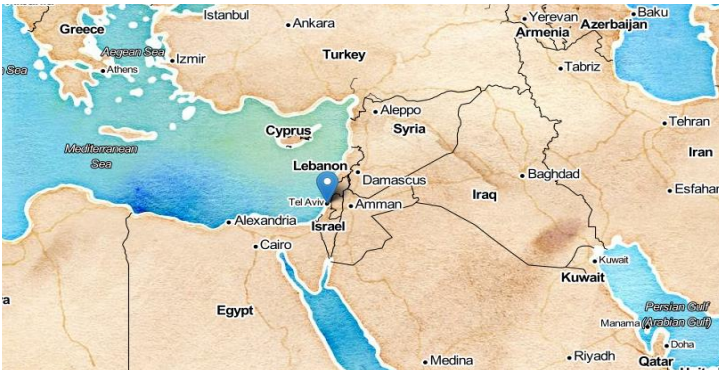
All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 4,500,000
(UN World Urbanization Prospects)

HDI 0.915
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

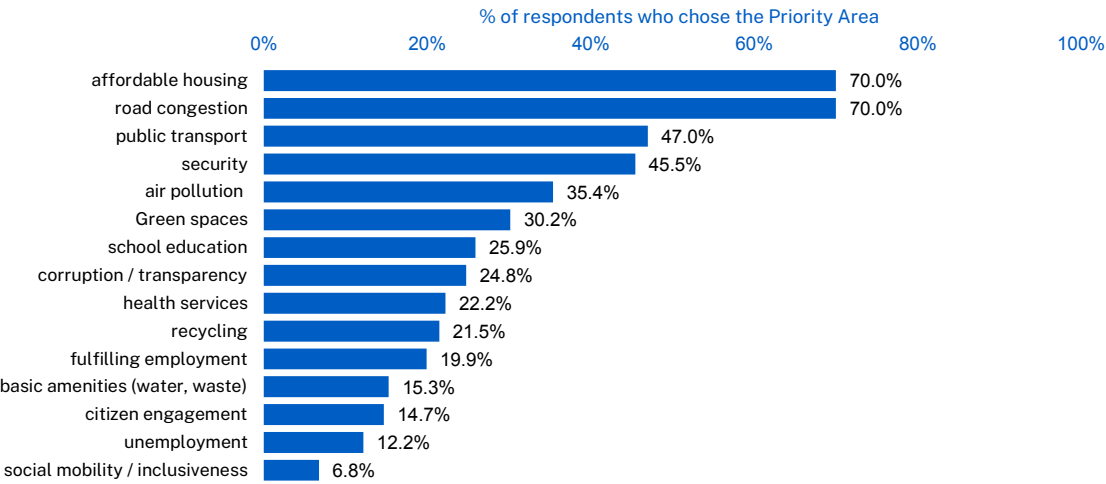
Country

Israel

	2019	2020	2021	2022	1 yr change
HDI	0.899	0.902	0.906	0.908	+0.002
Life expectancy at birth	82.8	82.4	82.3	82.6	+0.3
Expected years of schooling	14.8	14.8	15.0	15.0	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP \$)	40,920	39,324	41,754	43,588	+1,834

PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



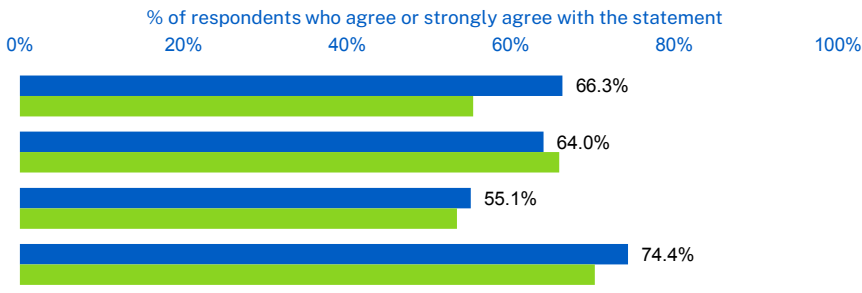
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: GROUP MEAN CITY

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

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IT skills are taught well in schools

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The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

The Hague

SMART CITY RANKING

43

Out of 146



42 in 2024
Out of 142

SMART CITY RATING

BBB

A in 2024

FACTOR RATINGS

BBB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 470,000
(UN World Urbanization Prospects)

HDI 0.946
(Global Data Lab)



Country

Netherlands

	2019	2020	2021	2022	1 yr change
HDI	0.932	0.933	0.936	0.939	+0.003
Life expectancy at birth	82.0	81.6	81.7	82.5	+0.8
Expected years of schooling	18.4	18.4	18.6	18.6	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP \$)	55,628	52,500	55,355	57,278	+1,923

Health & Safety

- Basic sanitation meets the needs of the poorest areas
- Recycling services are satisfactory
- Public safety is not a problem
- Air pollution is not a problem
- Medical services provision is satisfactory
- Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

- Traffic congestion is not a problem
- Public transport is satisfactory

Activities

- Green spaces are satisfactory
- Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

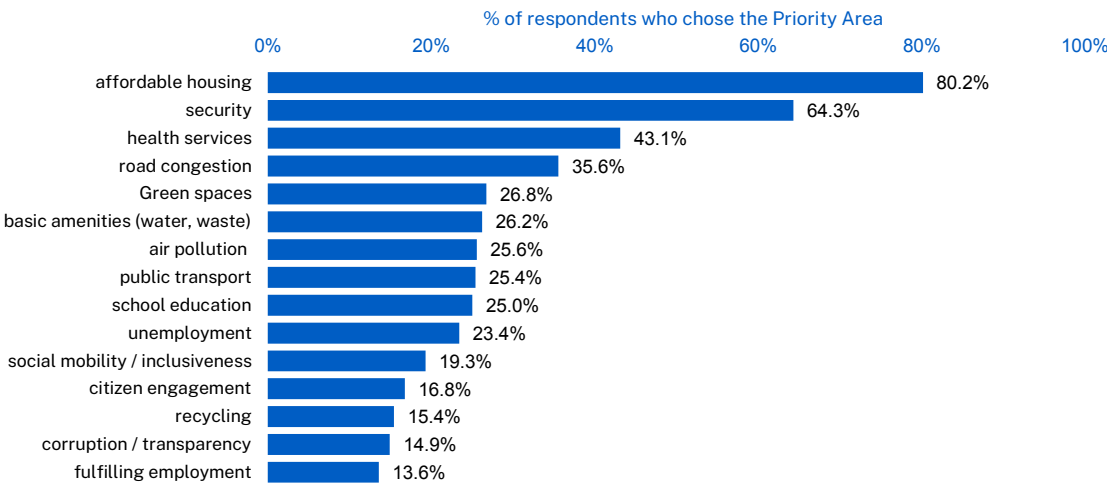
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- Lifelong learning opportunities are provided by local institutions
- Businesses are creating new jobs
- Minorities feel welcome

Governance

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- Corruption of city officials is not an issue of concern
- Residents contribute to decision making of local government
- Residents provide feedback on local government projects

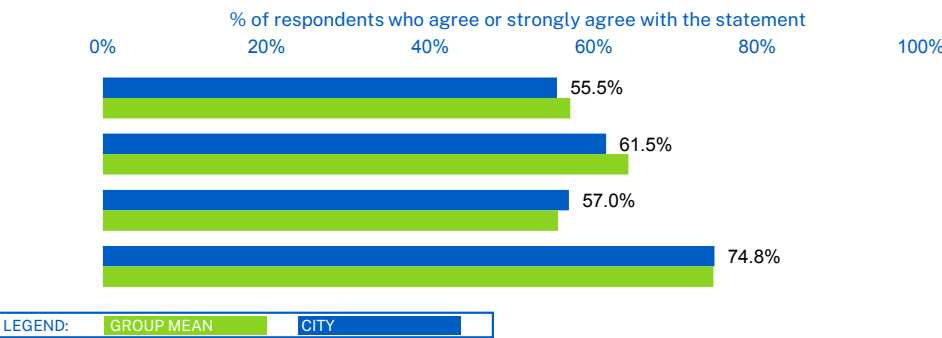
PRIORITY AREAS

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ATTITUDES

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- You are comfortable with face recognition technologies to lower crime
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- The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES



Score

0 20 40 60 80 100

61.8

64.6

46.0

40.7

68.8

17.9

28.0

66.4

59.1

75.1

63.8

71.7

57.7

63.3

56.4

61.2

46.2

46.4

53.8



TECHNOLOGIES

Score

0 20 40 60 80 100

48.2

57.8

50.3

50.7

34.9

64.1

36.2

44.7

48.4

67.5

49.7

78.2

69.9

52.9

50.7

69.5

41.7

46.7

52.6

58.7

Tokyo

SMART CITY RANKING

108

Out of 146



86 in 2024
Out of 142

SMART CITY RATING

BB

BB in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 37,120,000
(UN World Urbanization Prospects)

HDI 0.946
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

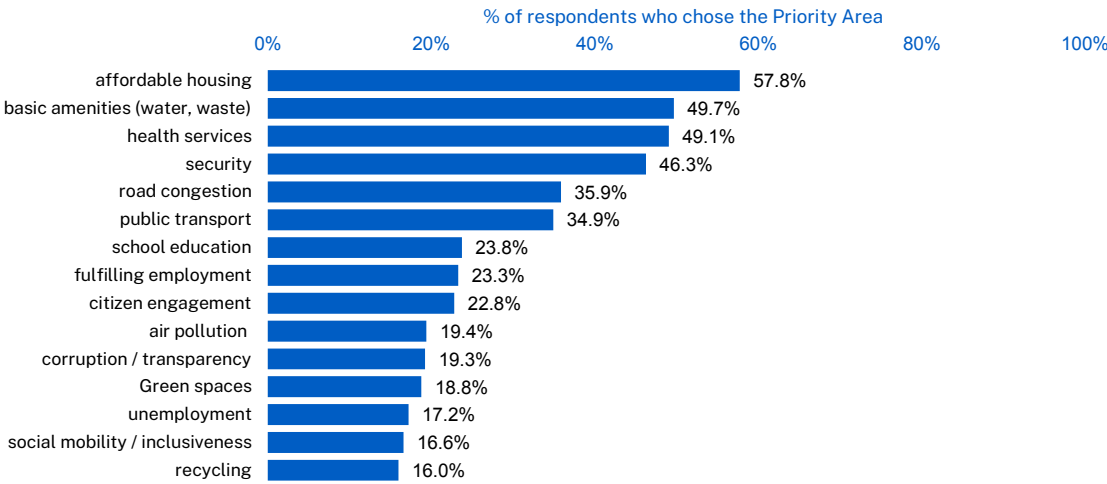
Country

Japan

	2019	2020	2021	2022	1 yr change
HDI	0.913	0.914	0.916	0.917	+0.001
Life expectancy at birth	84.4	84.7	84.8	84.8	+0.0
Expected years of schooling	15.4	15.5	15.5	15.5	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP \$)	43,276	41,446	43,008	43,644	+636

PRIORITY AREAS

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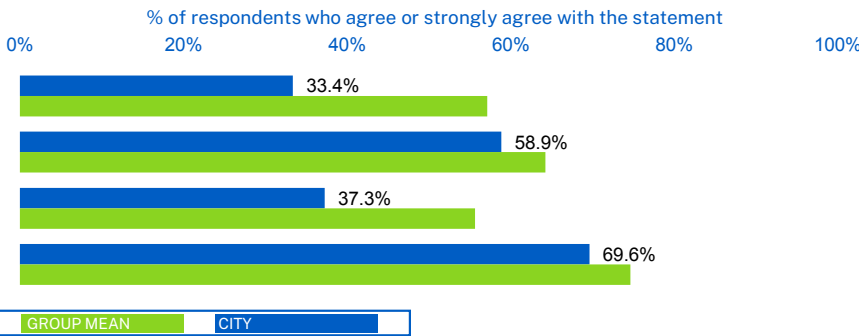
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STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Toronto

SMART CITY RANKING

63

Out of 146



51 in 2024
Out of 142

SMART CITY RATING

BBB

BBB in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 6,430,000
(UN World Urbanization Prospects)

HDI 0.942
(Global Data Lab)

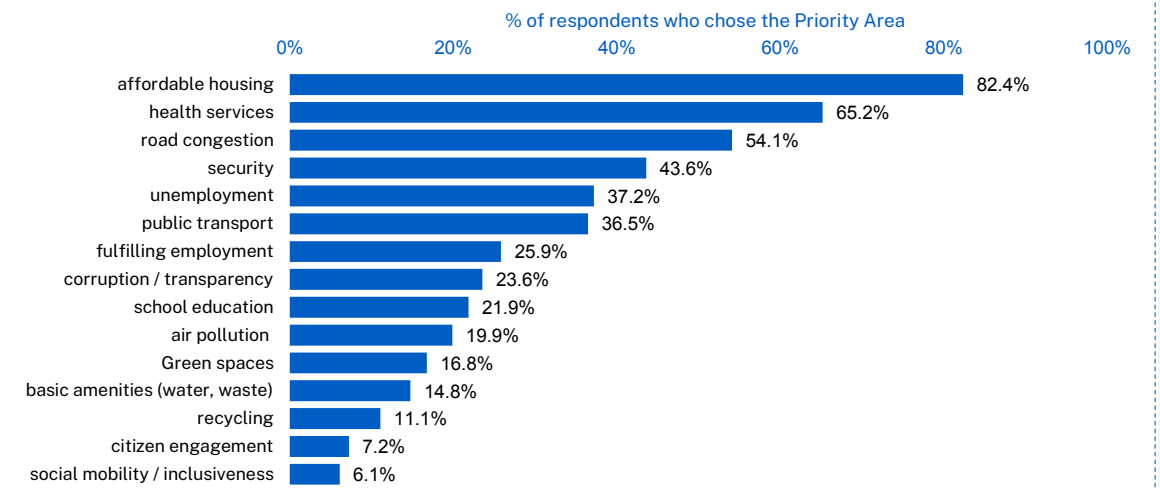


Country Canada

	2019	2020	2021	2022	1 yr change
HDI	0.927	0.928	0.929	0.930	+0.001
Life expectancy at birth	82.4	82.0	82.7	82.8	+0.2
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	13.8	13.9	13.9	13.9	+0.0
GNI per capita (PPP \$)	48,591	45,828	47,933	48,444	+512

PRIORITY AREAS

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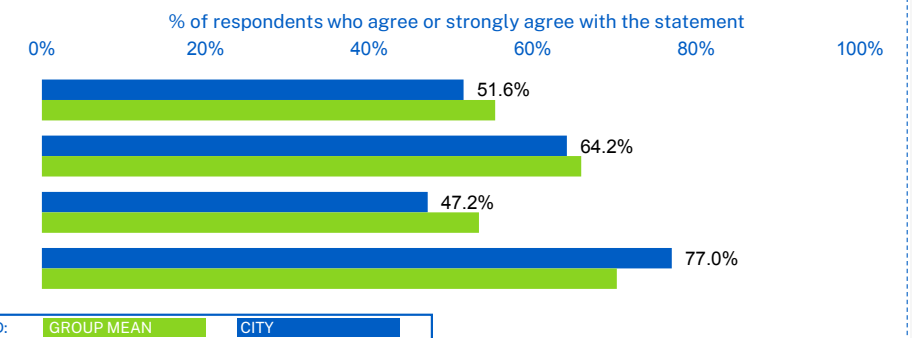
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

63.8

71.4

38.7

45.5

54.2

22.5

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

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Activities

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Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Score

0 20 40 60 80 100

47.6

54.9

54.8

53.8

42.1

57.5

39.2

43.6

42.1

58.1

54.5

73.0

63.6

50.1

49.0

72.4

41.9

50.3

45.6

59.9

SMART CITY RANKING

142

Out of 146



137 in 2024
Out of 142

SMART CITY RATING

D

D in 2024

FACTOR RATINGS

D

STRUCTURES

D

TECHNOLOGIES

GROUP

4

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,510,000
(UN World Urbanization Prospects)

HDI 0.777
(Global Data Lab)



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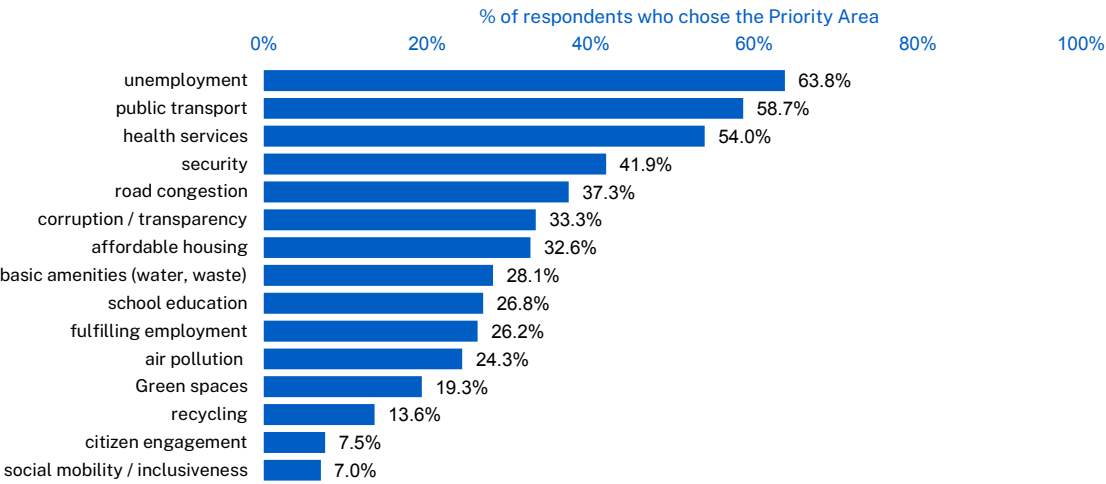
Country

Tunisia

	2019	2020	2021	2022	1 yr change
HDI	0.724	0.728	0.732	0.737	+0.005
Life expectancy at birth	76.0	75.3	73.8	74.3	+0.5
Expected years of schooling	14.6	14.6	14.6	14.6	+0.0
Mean years of schooling	7.8	8.0	8.0	8.0	+0.0
GNI per capita (PPP \$)	10,821	9,710	10,123	10,297	+174

PRIORITY AREAS

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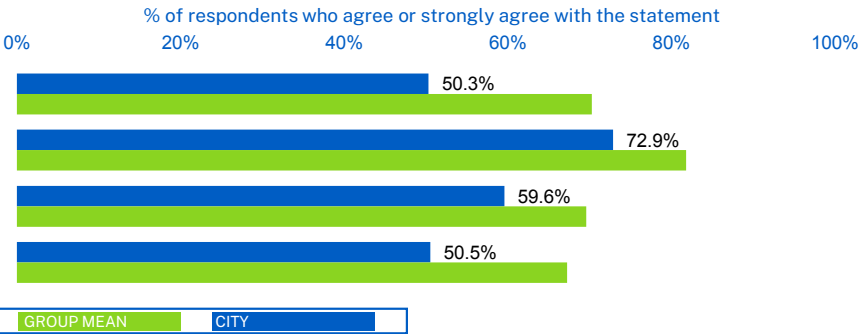
ATTITUDES

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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

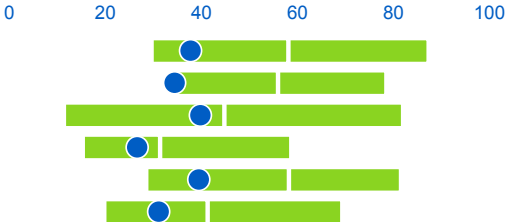
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Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem



Mobility

Traffic congestion is not a problem

Public transport is satisfactory



Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory



Opportunities (Work & School)

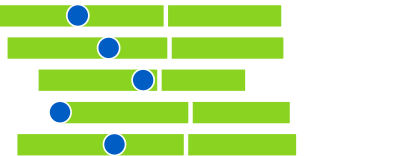
Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome



Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

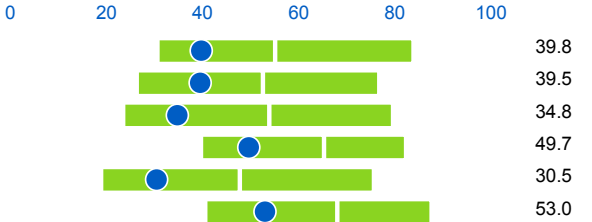
A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

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Arranging medical appointments online has improved access



Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones



Activities

Online purchasing of tickets to shows and museums has made it easier to attend



Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs



Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



Vancouver

SMART CITY RANKING

53

Out of 146



43 in 2024
Out of 142

SMART CITY RATING

BBB

BBB in 2024

FACTOR RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 2,680,000
(UN World Urbanization Prospects)

HDI 0.946
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country Canada

	2019	2020	2021	2022	1 yr change
HDI	0.927	0.928	0.929	0.930	+0.001
Life expectancy at birth	82.4	82.0	82.7	82.8	+0.2
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	13.8	13.9	13.9	13.9	+0.0
GNI per capita (PPP \$)	48,591	45,828	47,933	48,444	+512

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

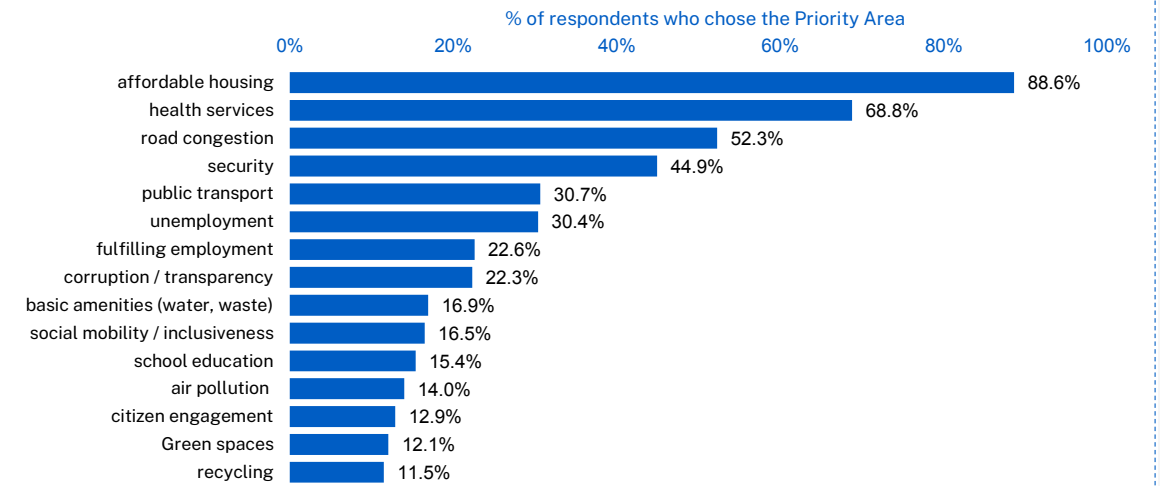
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Residents provide feedback on local government projects

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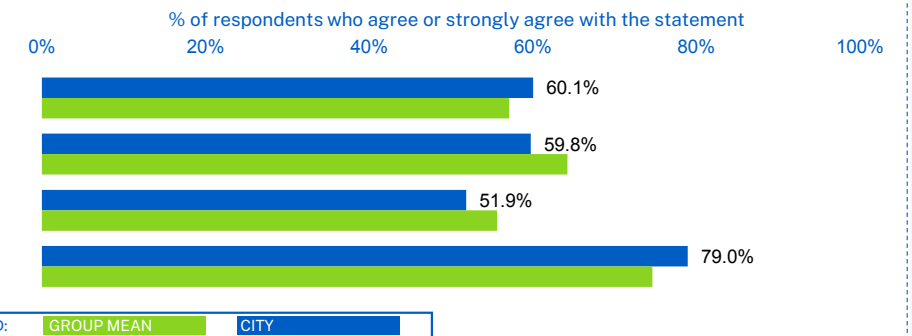
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

56.3

77.6

42.2

56.6

48.5

11.7

19.5

55.2

75.7

73.2

63.2

72.4

68.3

53.7

63.7

56.8

46.9

48.7

58.7

TECHNOLOGIES

Score

0 20 40 60 80 100

48.3

58.2

53.0

45.4

42.2

60.3

42.8

37.0

43.1

57.9

52.5

69.7

65.7

50.1

46.6

73.3

41.7

49.3

46.3

51.8

Vienna

SMART CITY RANKING

26

Out of 146



23 in 2024
Out of 142

SMART CITY RATING

A

AA in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,990,000
(UN World Urbanization Prospects)

HDI 0.948
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Austria

	2019	2020	2021	2022	1 yr change
HDI	0.910	0.913	0.914	0.917	+0.003
Life expectancy at birth	81.9	81.5	81.6	82.4	+0.8
Expected years of schooling	16.1	16.1	16.4	16.4	+0.0
Mean years of schooling	12.3	12.3	12.3	12.3	+0.0
GNI per capita (PPP \$)	55,647	52,446	54,361	56,530	+2,169

Health & Safety

- Basic sanitation meets the needs of the poorest areas
- Recycling services are satisfactory
- Public safety is not a problem
- Air pollution is not a problem
- Medical services provision is satisfactory
- Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

- Traffic congestion is not a problem
- Public transport is satisfactory

Activities

- Green spaces are satisfactory
- Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

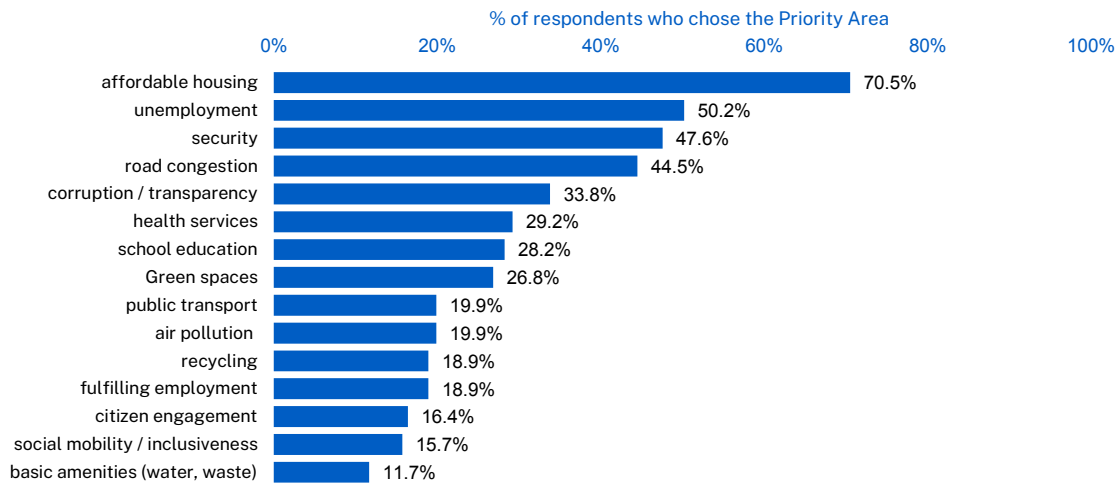
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- Businesses are creating new jobs
- Minorities feel welcome

Governance

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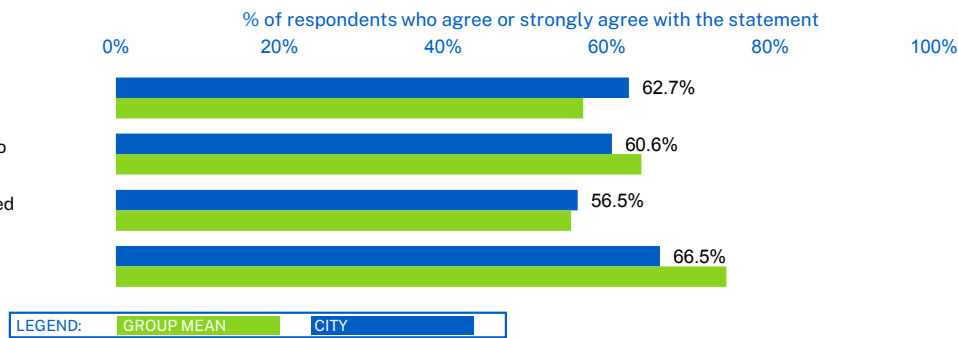
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- You feel the availability of online information has increased your trust in authorities
- The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

78.5

76.3

58.5

60.3

74.0

30.4

41.4

74.8

73.5

86.2

68.0

67.7

64.9

61.3

56.1

58.3

43.0

47.1

52.8

TECHNOLOGIES

Score

0 20 40 60 80 100

49.8

59.4

53.3

42.4

38.2

65.8

36.9

41.5

49.1

75.6

61.4

81.1

73.2

54.9

52.3

71.0

37.8

47.3

46.8

59.6

Vilnius

SMART CITY RANKING

34

Out of 146



47 in 2024
Out of 142

SMART CITY RATING

BBB

BBB in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 540,000
(UN World Urbanization Prospects)

HDI 0.918
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Lithuania

	2019	2020	2021	2022	1 yr change
HDI	0.865	0.870	0.878	0.882	+0.004
Life expectancy at birth	76.2	75.1	73.7	74.3	+0.6
Expected years of schooling	16.5	16.4	16.4	16.4	+0.0
Mean years of schooling	13.4	13.5	13.5	13.5	+0.0
GNI per capita (PPP \$)	35,897	36,103	37,854	38,131	+277

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

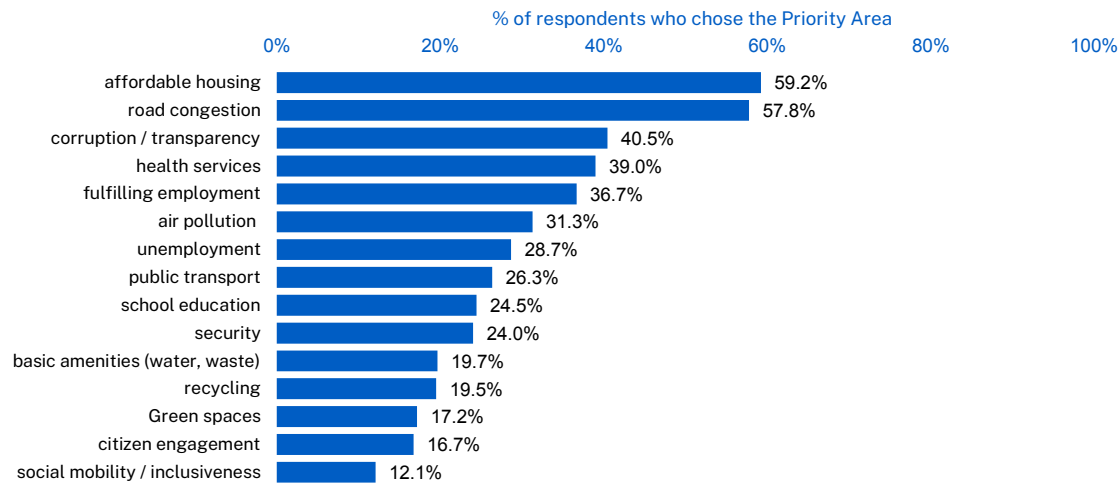
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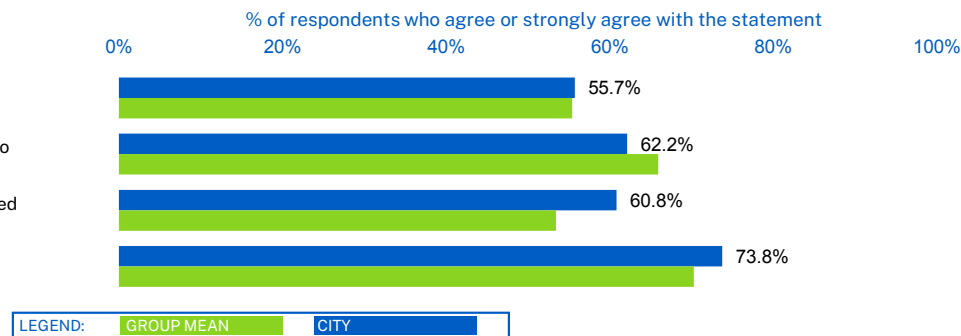
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

0 20 40 60 80 100

74.4

77.7

73.2

58.0

68.0

40.1

34.8

59.8

74.9

82.7

72.5

65.4

66.1

68.5

58.3

61.5

41.9

47.3

60.0

TECHNOLOGIES

Score

0 20 40 60 80 100

56.2

71.2

66.9

63.9

52.7

67.0

49.4

55.9

56.6

72.3

59.0

81.0

76.5

66.0

64.5

80.0

44.8

52.1

55.1

68.0

Warsaw

SMART CITY RANKING

28

Out of 146



38 in 2024
Out of 142

SMART CITY RATING

BBB

BBB in 2024

FACTOR RATINGS

A

STRUCTURES

A

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 1,800,000
(UN World Urbanization Prospects)

HDI 0.931
(Global Data Lab)



Country

Poland

	2019	2020	2021	2022	1 yr change
HDI	0.869	0.872	0.874	0.876	+0.002
Life expectancy at birth	77.9	76.9	76.5	77.0	+0.5
Expected years of schooling	15.9	15.8	15.9	15.9	+0.0
Mean years of schooling	13.1	13.2	13.2	13.2	+0.0
GNI per capita (PPP \$)	31,772	31,293	33,264	35,151	+1,887

Health & Safety

- Basic sanitation meets the needs of the poorest areas
- Recycling services are satisfactory
- Public safety is not a problem
- Air pollution is not a problem
- Medical services provision is satisfactory
- Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

- Traffic congestion is not a problem
- Public transport is satisfactory

Activities

- Green spaces are satisfactory
- Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

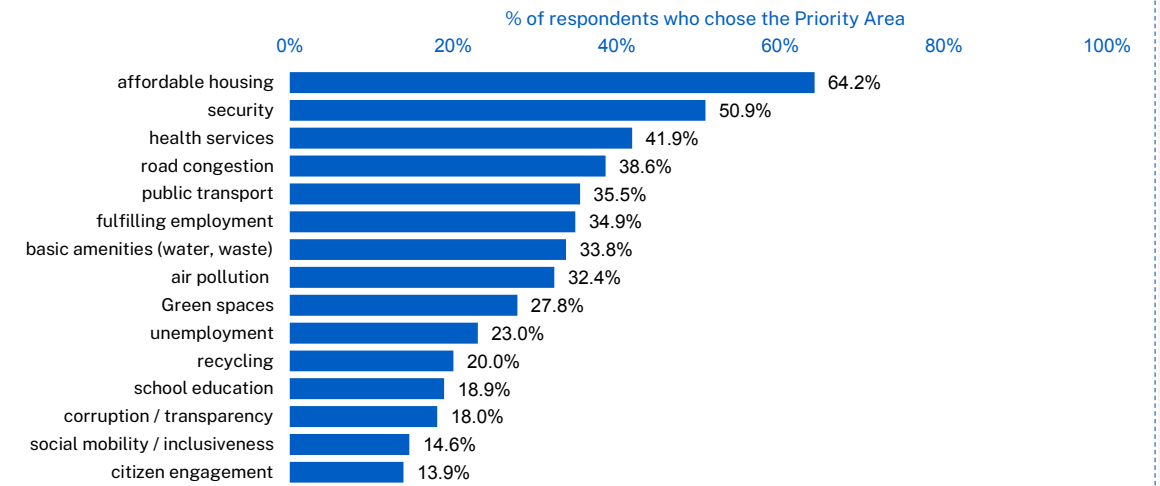
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- Lifelong learning opportunities are provided by local institutions
- Businesses are creating new jobs
- Minorities feel welcome

Governance

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- Corruption of city officials is not an issue of concern
- Residents contribute to decision making of local government
- Residents provide feedback on local government projects

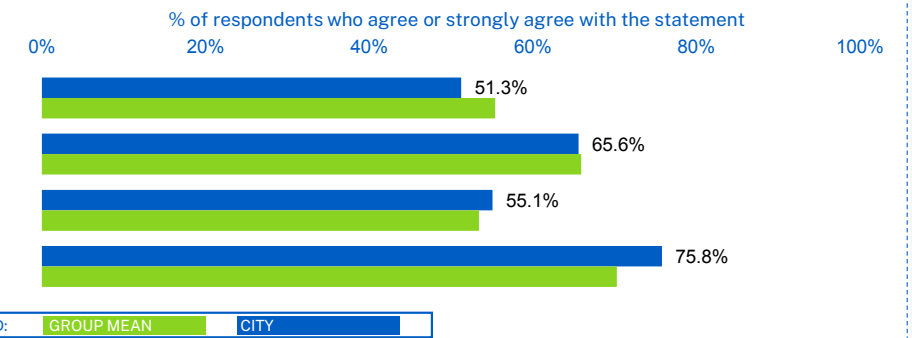
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ATTITUDES

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- You are comfortable with face recognition technologies to lower crime
- You feel the availability of online information has increased your trust in authorities
- The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

Score

0 20 40 60 80 100

68.6

64.3

60.4

40.4

48.6

23.6

35.9

64.9

65.5

81.6

66.0

70.9

67.7

71.4

61.2

64.4

49.0

58.4

68.5

TECHNOLOGIES

Score

0 20 40 60 80 100

55.1

63.4

61.9

56.3

64.8

67.4

49.4

54.4

59.6

70.6

53.0

80.4

75.8

58.5

63.3

70.4

48.4

61.0

64.6

72.3

Washington D.C.

SMART
CITY
RANKING

62

Out of 146



50 in 2024
Out of 142

SMART
CITY RATING

BB

BB in 2024

FACTOR
RATINGS

BB

STRUCTURES

BB

TECHNOLOGIES

GROUP

1

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 600,000
(UN World Urbanization Prospects)

HDI 0.947
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

United States

	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP \$)	63,654	61,077	64,484	65,565	+1,081

STRUCTURES

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

Governance

Information on local government decisions are easily accessible

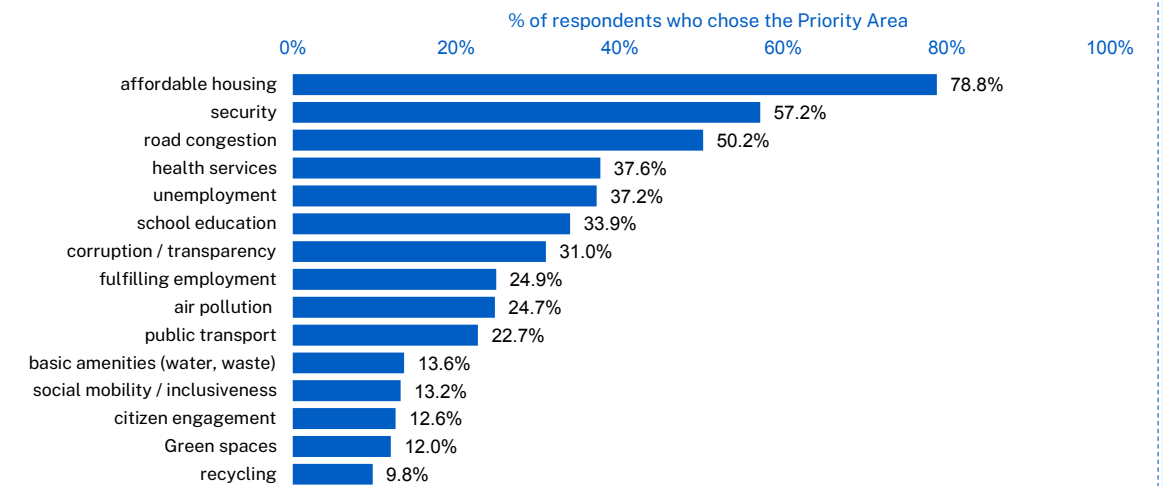
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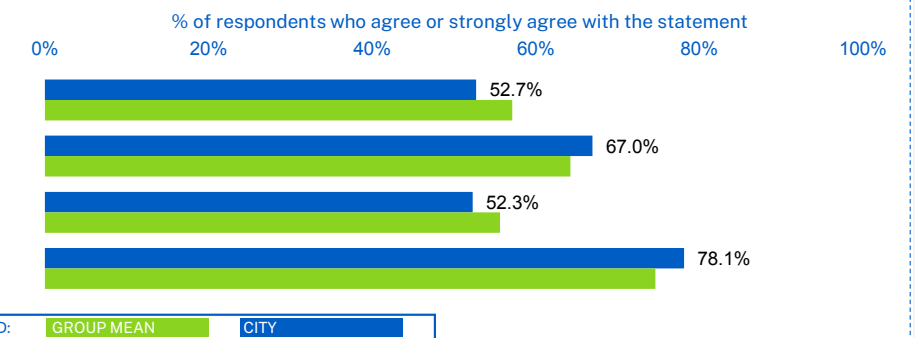
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LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Wellington

SMART
CITY
RANKING

30

Out of 146



28 in 2024
Out of 142

SMART
CITY RATING

A

BBB in 2024

FACTOR
RATINGS

A

STRUCTURES

BB

TECHNOLOGIES

GROUP

1

All ratings range
from AAA to D

BACKGROUND INFORMATION

City

Population 380,000
(UN World Urbanization Prospects)

HDI 0.969
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

New Zealand

	2019	2020	2021	2022	1 yr change
HDI	0.933	0.935	0.935	0.936	+0.001
Life expectancy at birth	82.6	82.7	82.5	83.0	+0.6
Expected years of schooling	19.5	19.2	19.7	19.7	+0.0
Mean years of schooling	13.0	12.9	12.9	12.9	+0.0
GNI per capita (PPP \$)	42,210	41,225	42,850	43,665	+816

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Most children have access to a good school

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Minorities feel welcome

Governance

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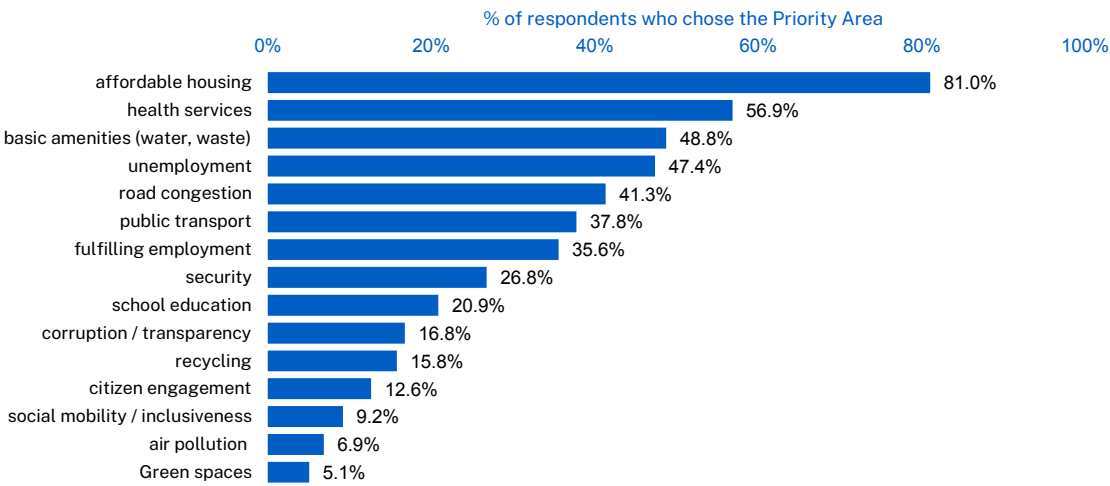
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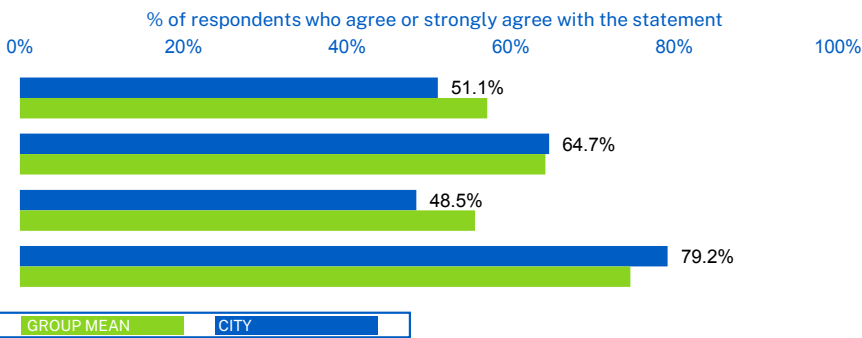
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STRUCTURES

Score

0 20 40 60 80 100

LEGEND: MIN CITY MEAN GROUP MAX

65.1

74.1

52.1

65.1

56.5

20.7

30.8

48.1

71.9

75.6

61.8

73.5

66.9

44.7

62.0

51.5

49.0

44.2

60.3



TECHNOLOGIES

Score

0 20 40 60 80 100

Health & Safety

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40.5

64.3

56.7

50.5

30.2

59.5

33.7

33.8

37.1

54.5

50.9

72.8

67.5

48.1

40.6

68.5

35.8

45.9

40.0

53.9

Zagreb

SMART CITY RANKING

85

Out of 146



102 in 2024
Out of 142

SMART CITY RATING

B

B in 2024

FACTOR RATINGS

B

STRUCTURES

B

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 700,000
(UN World Urbanization Prospects)

HDI 0.938
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

Croatia

	2019	2020	2021	2022	1 yr change
HDI	0.844	0.850	0.855	0.860	+0.005
Life expectancy at birth	78.7	78.0	77.6	79.2	+1.7
Expected years of schooling	15.5	15.5	15.6	15.6	+0.0
Mean years of schooling	12.2	12.3	12.3	12.3	+0.0
GNI per capita (PPP \$)	29,373	27,624	32,073	34,324	+2,251

STRUCTURES

Health & Safety

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Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

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Mobility

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Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

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Most children have access to a good school

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Minorities feel welcome

Governance

Information on local government decisions are easily accessible

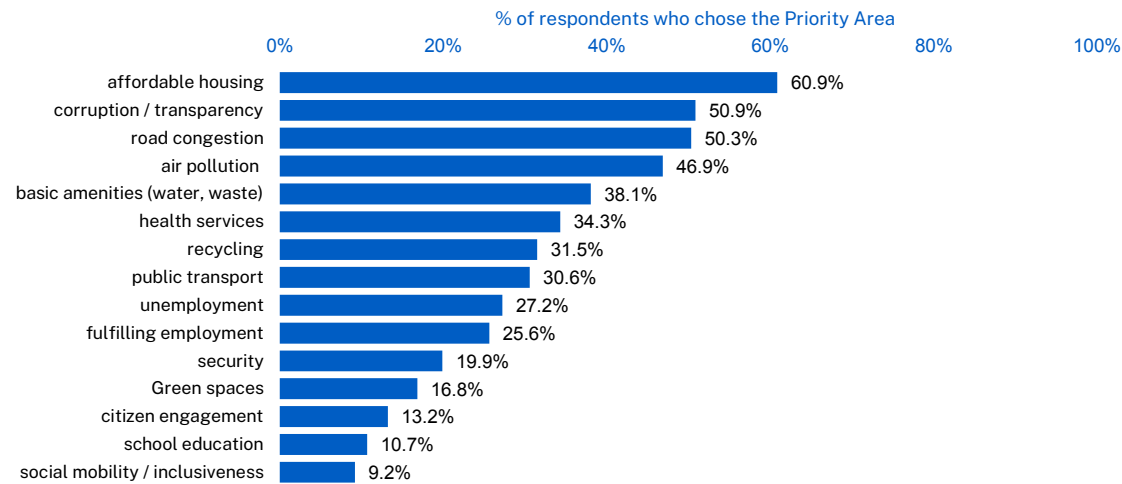
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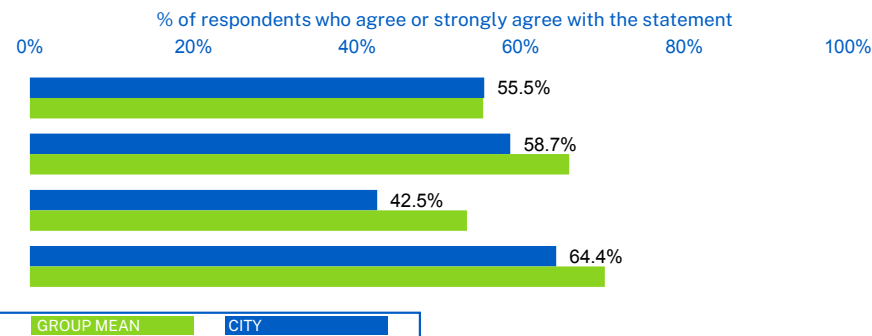
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The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



LEGEND: MIN CITY MEAN GROUP MAX

TECHNOLOGIES

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Governance

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Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times

Zaragoza

SMART CITY RANKING

52

Out of 146



57 in 2024
Out of 142

SMART CITY RATING

BBB

CCC in 2024

FACTOR RATINGS

BBB

STRUCTURES

BBB

TECHNOLOGIES

GROUP

2

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 670,000
(UN World Urbanization Prospects)

HDI 0.915
(Global Data Lab)



Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

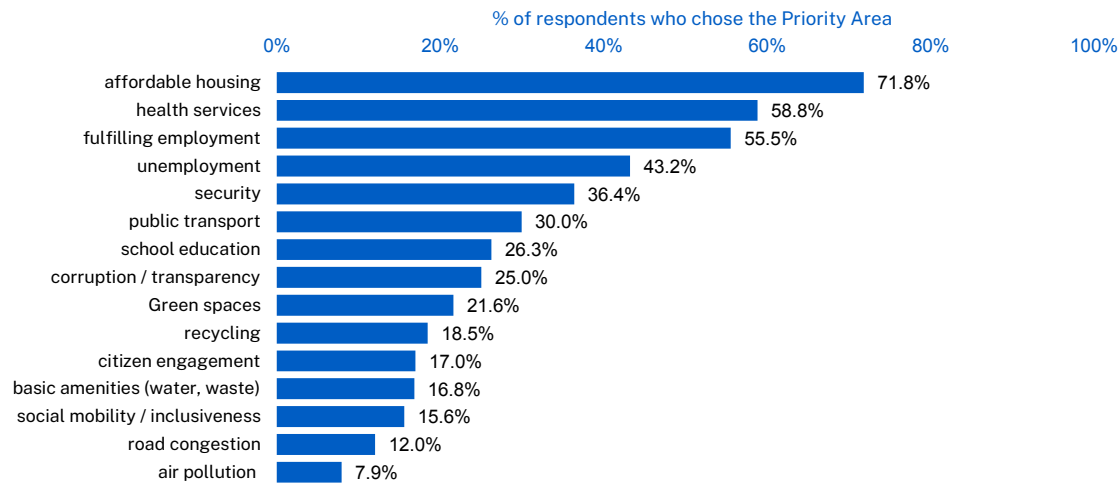
Country

Spain

	2019	2020	2021	2022	1 yr change
HDI	0.889	0.894	0.896	0.899	+0.003
Life expectancy at birth	83.5	82.3	83.0	83.9	+0.9
Expected years of schooling	17.5	17.5	17.8	17.8	+0.0
Mean years of schooling	10.4	10.6	10.6	10.6	+0.0
GNI per capita (PPP \$)	40,854	36,076	38,133	40,043	+1,911

PRIORITY AREAS

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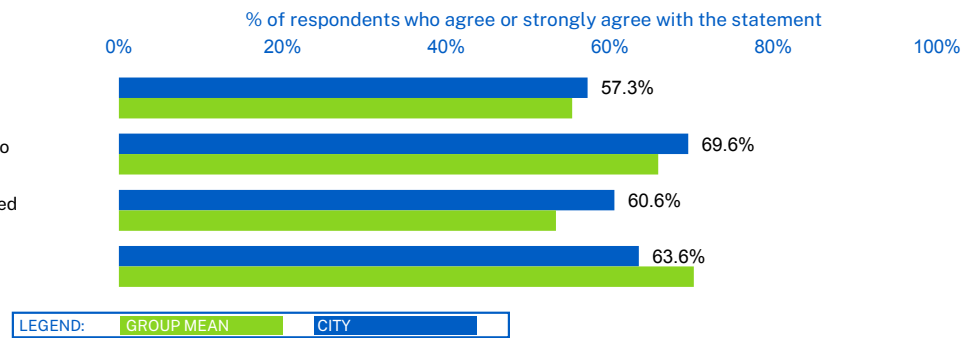
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You feel the availability of online information has increased your trust in authorities

The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas

Recycling services are satisfactory

Public safety is not a problem

Air pollution is not a problem

Medical services provision is satisfactory

Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

Traffic congestion is not a problem

Public transport is satisfactory

Activities

Green spaces are satisfactory

Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

Employment finding services are readily available

Most children have access to a good school

Lifelong learning opportunities are provided by local institutions

Businesses are creating new jobs

Minorities feel welcome

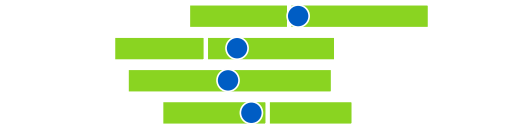
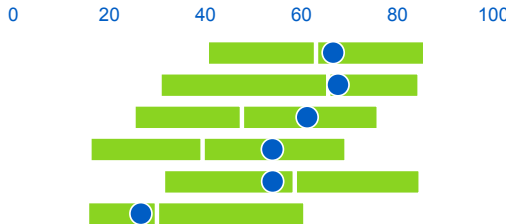
Governance

Information on local government decisions are easily accessible

Corruption of city officials is not an issue of concern

Residents contribute to decision making of local government

Residents provide feedback on local government projects



66.7

67.6

61.2

54.0

54.1

26.6

48.9

64.0

73.7

76.2

73.9

73.8

73.9

58.5

62.9

59.3

46.6

44.8

49.6



TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution

A website or App allows residents to easily give away unwanted items

Free public wifi has improved access to city services

CCTV cameras has made residents feel safer

A website or App allows residents to effectively monitor air pollution

Arranging medical appointments online has improved access

Mobility

Car-sharing Apps have reduced congestion

Apps that direct you to an available parking space have reduced journey time

Bicycle hiring has reduced congestion

Online scheduling and ticket sales has made public transport easier to use

The city provides information on traffic congestion through mobile phones

Activities

Online purchasing of tickets to shows and museums has made it easier to attend

Opportunities (Work & School)

Online access to job listings has made it easier to find work

IT skills are taught well in schools

Online services provided by the city has made it easier to start a new business

The current internet speed and reliability meet connectivity needs

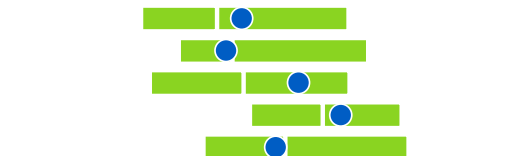
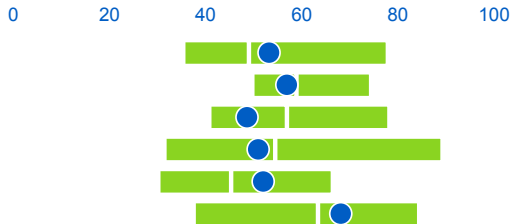
Governance

Online public access to city finances has reduced corruption

Online voting has increased participation

An online platform where residents can propose ideas has improved city life

Processing Identification Documents online has reduced waiting times



53.2

56.9

48.6

51.0

52.0

68.1

47.5

44.3

59.3

68.2

54.6

81.7

69.7

58.5

54.4

77.2

44.4

47.3

53.2

61.3

SMART CITY RANKING

1

Out of 146



1 in 2024
Out of 142

SMART CITY RATING

AAA

AAA in 2024

FACTOR RATINGS

AAA

STRUCTURES

AAA

TECHNOLOGIES

GROUP

1

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 410,000
(Eurostat)

HDI 0.994
(Global Data Lab)



Country

Switzerland

	2019	2020	2021	2022	1 yr change
HDI	0.952	0.954	0.955	0.957	+0.002
Life expectancy at birth	83.8	83.1	84.0	84.3	+0.3
Expected years of schooling	16.3	16.4	16.6	16.6	+0.0
Mean years of schooling	13.9	13.9	13.9	13.9	+0.0
GNI per capita (PPP \$)	67,531	66,267	68,550	69,433	+882

Health & Safety

- Basic sanitation meets the needs of the poorest areas
- Recycling services are satisfactory
- Public safety is not a problem
- Air pollution is not a problem
- Medical services provision is satisfactory
- Finding housing with rent equal to 30% or less of a monthly salary is not a problem

Mobility

- Traffic congestion is not a problem
- Public transport is satisfactory

Activities

- Green spaces are satisfactory
- Cultural activities (shows, bars, and museums) are satisfactory

Opportunities (Work & School)

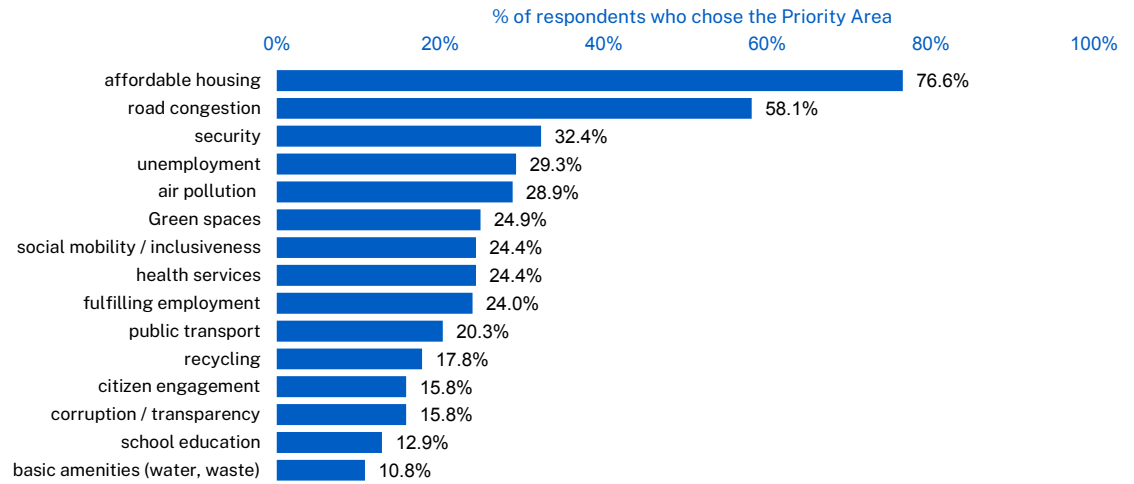
- Employment finding services are readily available
- Most children have access to a good school
- Lifelong learning opportunities are provided by local institutions
- Businesses are creating new jobs
- Minorities feel welcome

Governance

- Information on local government decisions are easily accessible
- Corruption of city officials is not an issue of concern
- Residents contribute to decision making of local government
- Residents provide feedback on local government projects

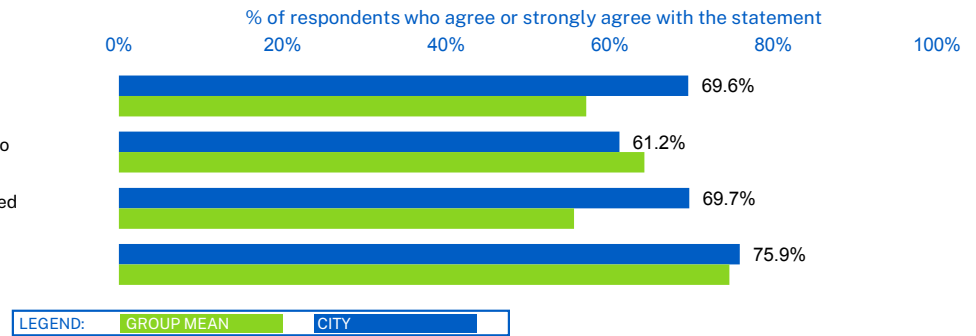
PRIORITY AREAS

From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES

- You are willing to concede personal data in order to improve traffic congestion
- You are comfortable with face recognition technologies to lower crime
- You feel the availability of online information has increased your trust in authorities
- The proportion of your day-to-day payment transactions that are non-cash (% of transactions)



STRUCTURES



Score

0 20 40 60 80 100

84.7

85.6

74.4

66.1

85.3

31.4

41.5

80.8

75.3

83.3

73.8

82.9

75.2

73.2

66.7

73.5

64.7

75.2

71.8

TECHNOLOGIES

Score

0 20 40 60 80 100

59.0

60.7

58.1

52.8

49.0

63.9

44.7

47.5

53.8

78.9

62.8

81.9

78.3

63.7

59.2

81.2

50.4

53.8

56.0

63.7

IMD Smart City Index 2025

Annex

IMD Smart City Index 2025: Results

In Alphabetical order by city and 2024 comparison

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Abu Dhabi	5	A	A	A	10	▲5
Abuja	133	C	C	D	135	▲2
Accra	141	D	D	D	138	▼3
Algiers	128	C	C	C	124	▼4
Al-Khobar	61	B	B	B	99	▲38
AlUla	112	CC	CC	CC		NEW
Amman	127	C	C	C	128	▲1
Amsterdam	17	A	AA	AA	18	▲1
Ankara	98	CCC	CCC	CCC	96	▼2
Astana	102	CC	CC	CCC		NEW
Athens	129	CCC	CCC	CCC	120	▼9
Auckland	25	A	A	AA	31	▲6
Bangkok	86	CC	CCC	B	84	▼2
Barcelona	92	CCC	B	BB	81	▼11
Beijing	14	BB	BB	BB	13	▼1
Beirut	143	D	D	D	140	▼3
Belfast	94	CCC	CCC	CC	101	▲7
Bengaluru	110	CC	CC	CC	109	▼1
Berlin	37	A	BBB	BBB	37	—
Bilbao	29	A	A	BBB	29	—
Birmingham	80	B	B	B	83	▲3
Bogota	134	C	C	C	127	▼7
Bologna	83	BB	B	B	78	▼5
Bordeaux	77	B	B	CCC	70	▼7
Boston	35	A	BBB	BBB	36	▲1

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Brasilia	130	C	C	C	130	—
Bratislava	57	BB	BB	BBB	56	▼1
Brisbane	51	BBB	BBB	BB	30	▼21
Brussels	48	BB	BBB	A	40	▼8
Bucharest	78	CCC	BB	BBB	100	▲22
Budapest	84	CCC	B	BBB	89	▲5
Buenos Aires	131	C	C	C	123	▼8
Busan	60	B	BB	A	45	▼15
Cairo	117	C	CC	CC	114	▼3
Canberra	8	AAA	AAA	A	3	▼5
Cape Town	124	C	C	C	129	▲5
Caracas	140	D	D	D		NEW
Cardiff	89	B	CCC	CC	92	▲3
Chengdu	76	CCC	CCC	CCC	93	▲17
Chicago	79	B	BB	BB	67	▼12
Chongqing	69	CCC	CCC	CCC	82	▲13
Copenhagen	7	AAA	AAA	AA	6	▼1
Delhi	104	CC	CC	CCC	106	▲2
Denver	68	BB	BB	BB	66	▼2
Doha	33	BB	BB	BB	48	▲15
Dubai	4	A	A	A	12	▲8
Dublin	66	BB	BB	BBB	69	▲3
Dusseldorf	45	BBB	BBB	BB	44	▼1
Geneva	3	AAA	AAA	AAA	4	▲1
Glasgow	95	B	CCC	CCC	87	▼8

IMD Smart City Index 2025: Results

In Alphabetical order by city and 2024 comparison

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Gothenburg	40	BBB	BBB	BB	39	▼1
Guangzhou	55	CCC	CCC	CCC	65	▲10
Guatemala City	144	D	D	D	142	▼2
Hamburg	20	AA	A	BBB	14	▼6
Hangzhou	54	CCC	CCC	CCC	64	▲10
Hanoi	88	CCC	CCC	CCC	97	▲9
Hanover	59	A	BBB	B	53	▼6
Helsinki	11	AA	AA	AA	9	▼2
Ho Chi Minh City	101	CCC	CCC	CC	105	▲4
Hong Kong	19	BBB	A	AAA	20	▲1
Hyderabad	109	CCC	CC	CC	111	▲2
Islamabad	116	CC	CC	CC	116	—
Istanbul	111	C	CC	CCC	110	▼1
Jakarta	103	CC	CCC	CCC	103	—
Jeddah	47	B	BB	BB	55	▲8
Kiel	74	BBB	BB	CCC	79	▲5
Krakow	70	B	B	B	76	▲6
Kuala Lumpur	65	B	B	B	73	▲8
Kuwait City	90	CCC	CCC	B		NEW
Lagos	135	C	C	D	136	▲1
Lausanne	10	AAA	AA	AA	7	▼3
Leeds	72	BB	BB	B	72	—
Lille	93	CCC	CCC	CCC	85	▼8
Lima	138	C	C	C	134	▼4
Lisbon	115	CC	CC	CC	108	▼7

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Ljubljana	16	AA	AA	AA	32	▲16
London	6	AA	AAA	AAA	8	▲2
Los Angeles	91	B	B	BB	68	▼23
Luxembourg	31	A	A	BBB	27	▼4
Lyon	73	B	BB	BB	61	▼12
Madrid	38	BB	BBB	A	35	▼3
Makassar	114	CC	CC	CC	115	▲1
Manama	36	BB	BB	BB		NEW
Manchester	64	BB	BB	BBB	71	▲7
Manila	125	C	C	C	121	▼4
Marseille	107	CCC	CCC	CCC	104	▼3
Mecca	39	BB	BB	BB	52	▲13
Medan	113	CC	CC	CC	112	▼1
Medellin	118	CC	CC	CC	119	▲1
Medina	67	CCC	B	B	74	▲7
Melbourne	44	BBB	BBB	BB	33	▼11
Mexico City	119	C	CC	CC	122	▲3
Milan	97	CCC	CCC	BB	91	▼6
Montreal	81	BB	B	CCC	80	▼1
Mumbai	106	CC	CC	CC	107	▲1
Munich	24	A	A	A	21	▼3
Muscat	87	CCC	CCC	CCC	88	▲1
Nairobi	136	D	D	C	131	▼5
Nanjing	58	B	B	B	62	▲4
New York	49	BB	BBB	BBB	34	▼15

IMD Smart City Index 2025: Results

In Alphabetical order by city and 2024 comparison

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Newcastle	75	BB	B	CCC	77	▲2
Nicosia	122	CC	C	C	118	▼4
Osaka	99	BB	CCC	CCC	95	▼4
Oslo	2	AAA	AAA	AAA	2	—
Ottawa	42	A	BBB	B	46	▲4
Paris	71	BB	BB	A	49	▼22
Philadelphia	100	CCC	CCC	CCC	90	▼10
Phoenix	105	CCC	CC	C	98	▼7
Prague	12	AA	AA	AA	15	▲3
Rabat	123	CC	C	C	126	▲3
Reykjavik	21	AA	A	A	26	▲5
Riga	46	BBB	BBB	BBB	59	▲13
Rio de Janeiro	146	D	D	D	139	▼7
Riyadh	27	BB	BB	BB	25	▼2
Rome	139	CCC	CCC	CCC	133	▼6
Rotterdam	41	BB	BBB	BBB	41	—
San Francisco	82	BB	B	B	75	▼7
San José	126	CC	C	C	125	▼1
San Juan	132	C	C	C		NEW
Sana'a	145	D	D	D	141	▼4
Santiago	120	C	CC	CC	117	▼3
Sao Paulo	137	D	D	C	132	▼5
Seattle	56	BBB	BB	BB	63	▲7

City	Smart City Rank 2025	Smart City Rating 2025	Structure 2025	Technology 2025	Smart City Rank 2024	Change
Seoul	13	BBB	AA	AAA	17	▲4
Shanghai	15	BB	BB	BB	19	▲4
Shenzhen	50	CCC	CCC	CCC	60	▲10
Singapore	9	AAA	AAA	AAA	5	▼4
Sofia	121	CC	C	CC	113	▼8
Stockholm	18	AA	AA	A	11	▼7
Sydney	32	A	A	A	22	▼10
Taipei City	23	A	A	A	16	▼7
Tallinn	22	A	A	A	24	▲2
Tel Aviv	96	B	CCC	B	94	▼2
The Hague	43	BBB	BBB	BBB	42	▼1
Tokyo	108	BB	BB	BB	86	▼22
Toronto	63	BBB	BB	BB	51	▼12
Tunis	142	D	D	D	137	▼5
Vancouver	53	BBB	BB	BB	43	▼10
Vienna	26	A	A	A	23	▼3
Vilnius	34	BBB	A	A	47	▲13
Warsaw	28	BBB	A	A	38	▲10
Washington D.C.	62	BB	BB	BB	50	▼12
Wellington	30	A	A	BB	28	▼2
Zagreb	85	B	B	B	102	▲17
Zaragoza	52	BBB	BBB	BBB	57	▲5
Zurich	1	AAA	AAA	AAA	1	—

IMD Smart City Index 2025: Results

In alphabetical order by country with HDI context

Country	Country HDI	City	City HDI	Smart City Rank 2025	Country	Country HDI	City	City HDI	Smart City Rank 2025
Algeria	0.74	Algiers	0.766	128	China	0.766	Shenzhen	0.813	50
Argentina	0.852	Buenos Aires	0.851	131	Colombia	0.766	Bogota	0.804	134
Australia	0.941	Brisbane	0.935	51	Colombia	0.766	Medellin	0.763	118
Australia	0.941	Canberra	0.976	8	Costa Rica	0.804	San José	0.824	126
Australia	0.941	Melbourne	0.942	44	Croatia	0.86	Zagreb	0.938	85
Australia	0.941	Sydney	0.946	32	Cyprus	0.896	Nicosia	0.907	122
Austria	0.917	Vienna	0.948	26	Czech Rep.	0.893	Prague	0.965	12
Bahrain	0.88	Manama	0.888	36	Denmark	0.942	Copenhagen	0.97	7
Belgium	0.933	Brussels	0.96	48	Egypt	0.717	Cairo	0.777	117
Brazil	0.762	Brasilia	0.822	130	Estonia	0.89	Tallinn	0.941	22
Brazil	0.762	Rio de Janeiro	0.789	146	Finland	0.936	Helsinki	0.961	11
Brazil	0.762	Sao Paulo	0.786	137	France	0.903	Bordeaux	0.907	77
Bulgaria	0.811	Sofia	0.856	121	France	0.903	Lille	0.888	93
Canada	0.93	Montreal	0.926	81	France	0.903	Lyon	0.923	73
Canada	0.93	Ottawa	0.942	42	France	0.903	Marseille	0.912	107
Canada	0.93	Toronto	0.942	63	France	0.903	Paris	0.956	71
Canada	0.93	Vancouver	0.946	53	Germany	0.946	Berlin	0.967	37
Chile	0.856	Santiago	0.89	120	Germany	0.946	Dusseldorf	0.946	45
China	0.766	Beijing	0.905	14	Germany	0.946	Hamburg	0.975	20
China	0.766	Chengdu	0.762	76	Germany	0.946	Hanover	0.936	59
China	0.766	Chongqing	0.795	69	Germany	0.946	Kiel	0.929	74
China	0.766	Guangzhou	0.813	55	Germany	0.946	Munich	0.958	24
China	0.766	Hangzhou	0.814	54	Ghana	0.589	Accra	0.67	141
China	0.766	Nanjing	0.827	58	Greece	0.886	Athens	0.918	129
China	0.766	Shanghai	0.895	15	Guatemala	0.64	Guatemala City	0.723	144

IMD Smart City Index 2025: Results

In alphabetical order by country with HDI context

Country	Country HDI	City	City HDI	Smart City Rank 2025	Country	Country HDI	City	City HDI	Smart City Rank 2025
Hong Kong	0.949	Hong Kong	0.956	19	Lithuania	0.882	Vilnius	0.918	34
Hungary	0.85	Budapest	0.934	84	Luxembourg	0.921	Luxembourg	0.927	31
Iceland	0.958	Reykjavik	0.959	21	Malaysia	0.802	Kuala Lumpur	0.863	65
India	0.636	Bengaluru	0.673	110	Mexico	0.779	Mexico City	0.839	119
India	0.636	Delhi	0.734	104	Morocco	0.677	Rabat	0.717	123
India	0.636	Hyderabad	0.66	109	Netherlands	0.939	Amsterdam	0.964	17
India	0.636	Mumbai	0.695	106	Netherlands	0.939	Rotterdam	0.946	41
Indonesia	0.712	Jakarta	0.767	103	Netherlands	0.939	The Hague	0.946	43
Indonesia	0.712	Makassar	0.707	114	New Zealand	0.936	Auckland	0.968	25
Indonesia	0.712	Medan	0.719	113	New Zealand	0.936	Wellington	0.969	30
Ireland	0.938	Dublin	0.954	66	Nigeria	0.53	Abuja	0.678	133
Israel	0.908	Tel Aviv	0.915	96	Nigeria	0.53	Lagos	0.721	135
Italy	0.894	Bologna	0.935	83	Norway	0.96	Oslo	0.982	2
Italy	0.894	Milan	0.927	97	Oman	0.838	Muscat	0.819	87
Italy	0.894	Rome	0.929	139	Pakistan	0.535	Islamabad	0.654	116
Japan	0.917	Osaka	0.922	99	Peru	0.77	Lima	0.82	138
Japan	0.917	Tokyo	0.946	108	Philippines	0.706	Manila	0.743	125
Jordan	0.742	Amman	0.753	127	Poland	0.876	Krakow	0.891	70
Kazakhstan	0.804	Astana	0.816	102	Poland	0.876	Warsaw	0.931	28
Kenya	0.598	Nairobi	0.663	136	Portugal	0.858	Lisbon	0.907	115
Korea South	0.918	Busan	0.926	60	Puerto Rico	0.88	San Juan	0.88	132
Korea South	0.918	Seoul	0.961	13	Qatar	0.866	Doha	0.875	33
Kuwait	0.836	Kuwait City	0.845	90	Romania	0.829	Bucharest	0.926	78
Latvia	0.868	Riga	0.937	46	Saudi Arabia	0.856	Al-Khobar	0.862	61
Lebanon	0.764	Beirut	0.693	143	Saudi Arabia	0.856	AlUla	0.871	112

IMD Smart City Index 2025: Results

In alphabetical order by country with HDI context

Country	Country HDI	City	City HDI	Smart City Rank 2025	Country	Country HDI	City	City HDI	Smart City Rank 2025
Saudi Arabia	0.856	Jeddah	0.871	47	United Arab Emirates	0.917	Dubai	0.937	4
Saudi Arabia	0.856	Mecca	0.871	39	United Kingdom	0.928	Belfast	0.907	94
Saudi Arabia	0.856	Medina	0.871	67	United Kingdom	0.928	Birmingham	0.925	80
Saudi Arabia	0.856	Riyadh	0.899	27	United Kingdom	0.928	Cardiff	0.91	89
Singapore	0.942	Singapore	0.949	9	United Kingdom	0.928	Glasgow	0.933	95
Slovakia	0.86	Bratislava	0.945	57	United Kingdom	0.928	Leeds	0.92	72
Slovenia	0.916	Ljubljana	0.97	16	United Kingdom	0.928	London	0.984	6
South Africa	0.731	Cape Town	0.755	124	United Kingdom	0.928	Manchester	0.927	64
Spain	0.899	Barcelona	0.922	92	United Kingdom	0.928	Newcastle	0.911	75
Spain	0.899	Bilbao	0.939	29	USA	0.93	Boston	0.956	35
Spain	0.899	Madrid	0.942	38	USA	0.93	Chicago	0.932	79
Spain	0.899	Zaragoza	0.915	52	USA	0.93	Denver	0.952	68
Sweden	0.943	Göteborg	0.951	40	USA	0.93	Los Angeles	0.935	91
Sweden	0.943	Stockholm	0.976	18	USA	0.93	New York	0.937	49
Switzerland	0.957	Geneva	0.973	3	USA	0.93	Philadelphia	0.928	100
Switzerland	0.957	Lausanne	0.973	10	USA	0.93	Phoenix	0.906	105
Switzerland	0.957	Zürich	0.994	1	USA	0.93	San Francisco	0.935	82
Taiwan	0.925	Taipei City	0.925	23	USA	0.93	Seattle	0.952	56
Thailand	0.796	Bangkok	0.836	86	USA	0.93	Washington D.C.	0.947	62
Tunisia	0.737	Tunis	0.777	142	Venezuela	0.738	Caracas	0.743	140
Türkiye	0.838	Ankara	0.871	98	Vietnam	0.711	Hanoi	0.768	88
Türkiye	0.838	Istanbul	0.888	111	Vietnam	0.711	Ho Chi Minh City	0.737	101
United Arab Emirates	0.917	Abu Dhabi	0.937	5	Yemen	0.427	Sana'a	0.466	145

