IMD Smart City Index 2025

The housing affordability challenge: A growing concern



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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.

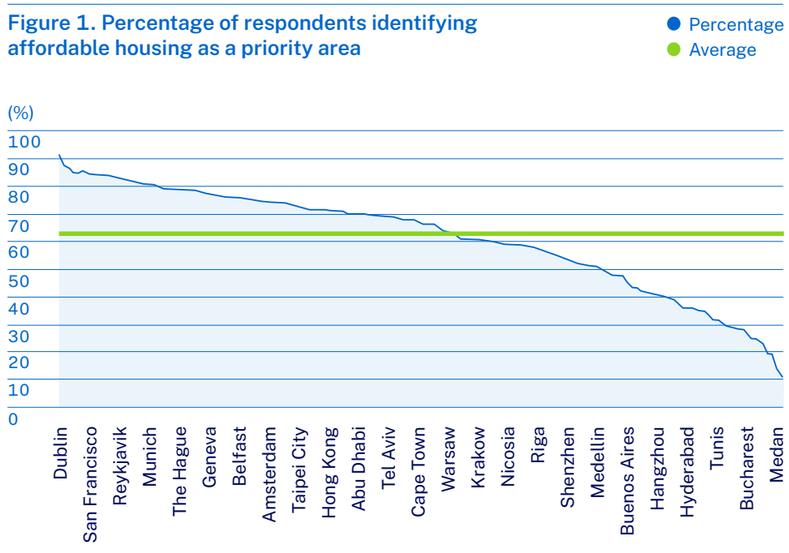
2025 has barely gotten underway and yet significant trade tensions, policy shifts, and weakened business and consumer confidence appear to have set the tone for the year. The aggressive trade stance adopted by the United States – which notably includes substantial tariff hikes on imports from China, 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.

Figure 1. Percentage of respondents identifying 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.

The housing affordability challenge: A growing concern

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.

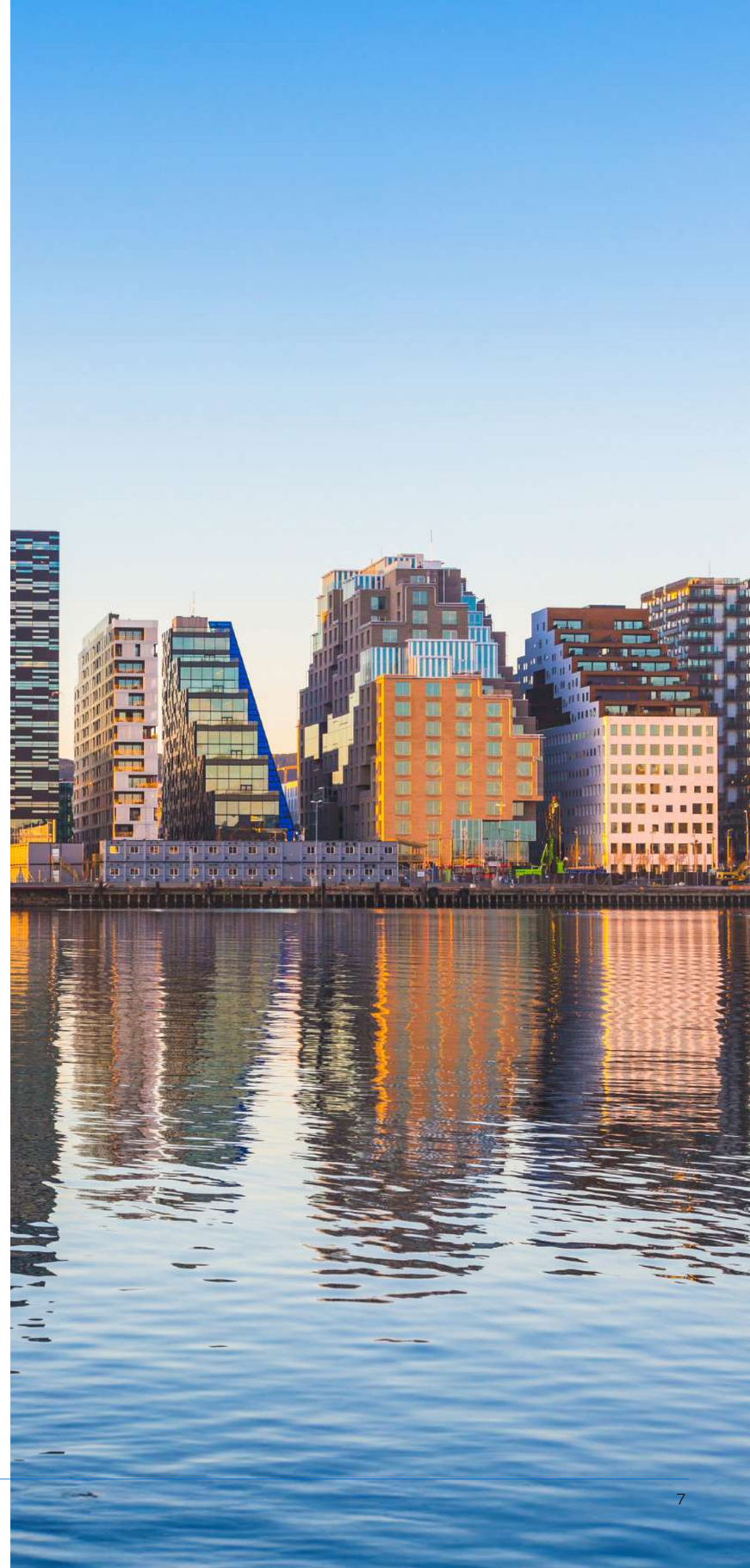
The affordability "crisis" as it has come to be called is no longer limited to low-income households, but it is increasingly affecting the middle classes. Brueckner and Rosenthal (2009) underscore the cyclical nature of gentrification and neighborhood evolution, highlighting how rising costs can lead 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.





References

Ashraf, N., Glaeser, E. L., & Ponzetto, G. A. (2016).
Infrastructure, incentives, and institutions. American Economic Review, 106(5), 77-82.

Biljanovska, N., Fu, M. C., & Igan, M. D. O. (2023).
Housing affordability: A new dataset. International Monetary Fund.

Boomhower, J., Fowlie, M., Gellman, J., & Plantinga, A. (2024).
How are insurance markets adapting to climate change? Risk selection and regulation in the market for homeowners' insurance (No. w32625). National Bureau of Economic Research.

Bown, C. P. (2021).
The US-China trade war and Phase One agreement. Journal of Policy Modeling, 43(4), 805-843.

Caldera, A., & Johansson, Å. (2013).
The price responsiveness of housing supply in OECD countries. Journal of Housing Economics, 22(3), 231-249.

Caliendo, L., & Parro, F. (2023).
Lessons from US-China trade relations. Annual Review of Economics, 15(1), 513-547.

Card, D. (2007).
How immigration affects US cities (Vol. 11, No. 07). CReAM discussion paper.

Duranton, G., & Handbury, J. (2023).
Covid and cities, thus far (No. w31158). National Bureau of Economic Research.

Fairweather, D., Kahn, M. E., Metcalfe, R. D., & Olascoaga, S. S. (2024).
Expecting climate change: A nationwide field experiment in the housing market (No. w33119). National Bureau of Economic Research.

Fajgelbaum, P., Goldberg, P., Kennedy, P., Khandelwal, A., & Taglioni, D. (2024).
The US-China trade war and global reallocations. American Economic Review: Insights, 6(2), 295-312.

Glaeser, E. L., Gyourko, J., & Saks, R. E. (2005).
Why have housing prices gone up? American Economic Review, 95(2), 329-333.

Glaeser, E., & Gyourko, J. (2018).
The economic implications of housing supply. Journal of economic perspectives, 32(1), 3-30.

Hilber, C. A., & Vermeulen, W. (2016).
The impact of supply constraints on house prices in England. The Economic Journal, 126(591), 358-405.

Hsiao, A. (2023).
Sea level rise and urban adaptation in Jakarta. Working Paper.

Hsieh, C. T., & Moretti, E. (2019).
Housing constraints and spatial misallocation. American economic journal: macroeconomics, 11(2), 1-39.

Ottaviano, Gianmarco I. P., and Peri, Giovanni (2012).
The effects of immigration on US wages and rents: a general equilibrium approach In: Nijkamp, Peter and Poot, Jacques and Sahin, Mediha, (eds.) Migration Impact Assessment: New Horizons. Edward Elgar Publishing Limited, Cheltenham, 107-146. ISBN 9780857934574

Ramani, A., & Bloom, N. (2021).
The Donut Effect of COVID-19 on Cities (No. w28876). National Bureau of Economic Research.

Rogoff, K. S., & Yang, Y. (2020).
Peak China housing (No. w27697). National Bureau of Economic Research.

Unal, U., Hayo, B., & Erol, I. (2024).
The effect of immigration on housing prices: Evidence from 382 German districts. The Journal of Real Estate Finance and Economics, 1-39.

Zhang, L., Sun, C., Liu, H., & Zheng, S. (2016).
The role of public information in increasing homebuyers' willingness-to-pay for green housing: Evidence from Beijing. Ecological Economics, 129, 40-49.

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.

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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

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

HDI 0.964
(Global Data Lab)



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

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

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.

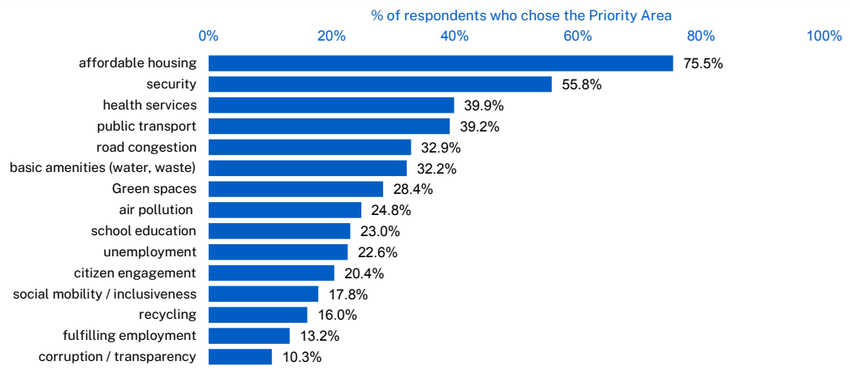
It also presents the United Nations HDI (country-level - for the parent economy of a given city) and its four components, as well as the city's position on the map. Please note: for Taipei City only, the data is calculated using the same methodology and comparable data.

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.

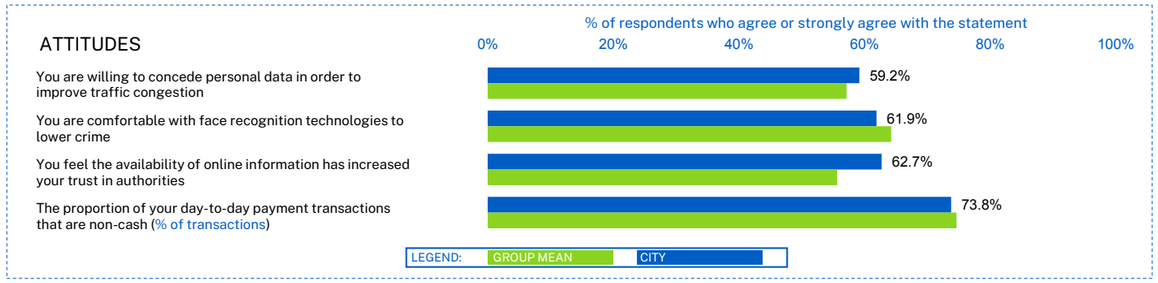
PRIORITY AREAS

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

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.

6. 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
Krakow	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)



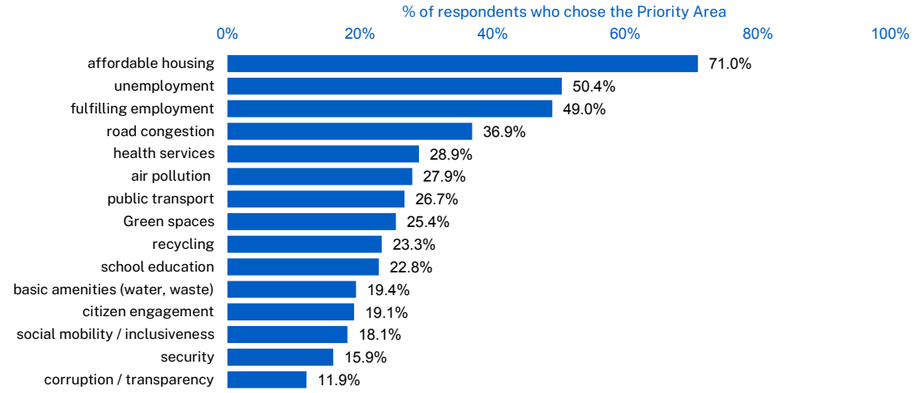
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Country

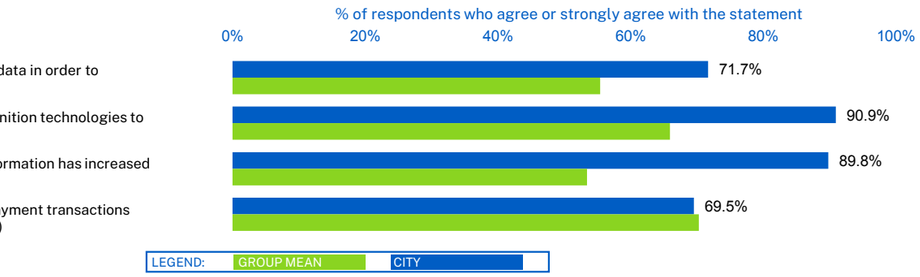
United Arab Emirates	2019	2020	2021	2022	1 yr change
HDI	0.860	0.866	0.898	0.917	+0.019
Life expectancy at birth	79.7	78.9	78.7	79.2	+0.5
Expected years of schooling	16.8	17.2	17.2	17.2	+0.0
Mean years of schooling	12.7	12.7	12.8	12.8	+0.0
GNI per capita (PPP $)	72,131	67,353	69,550	74,104	+4,553

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.



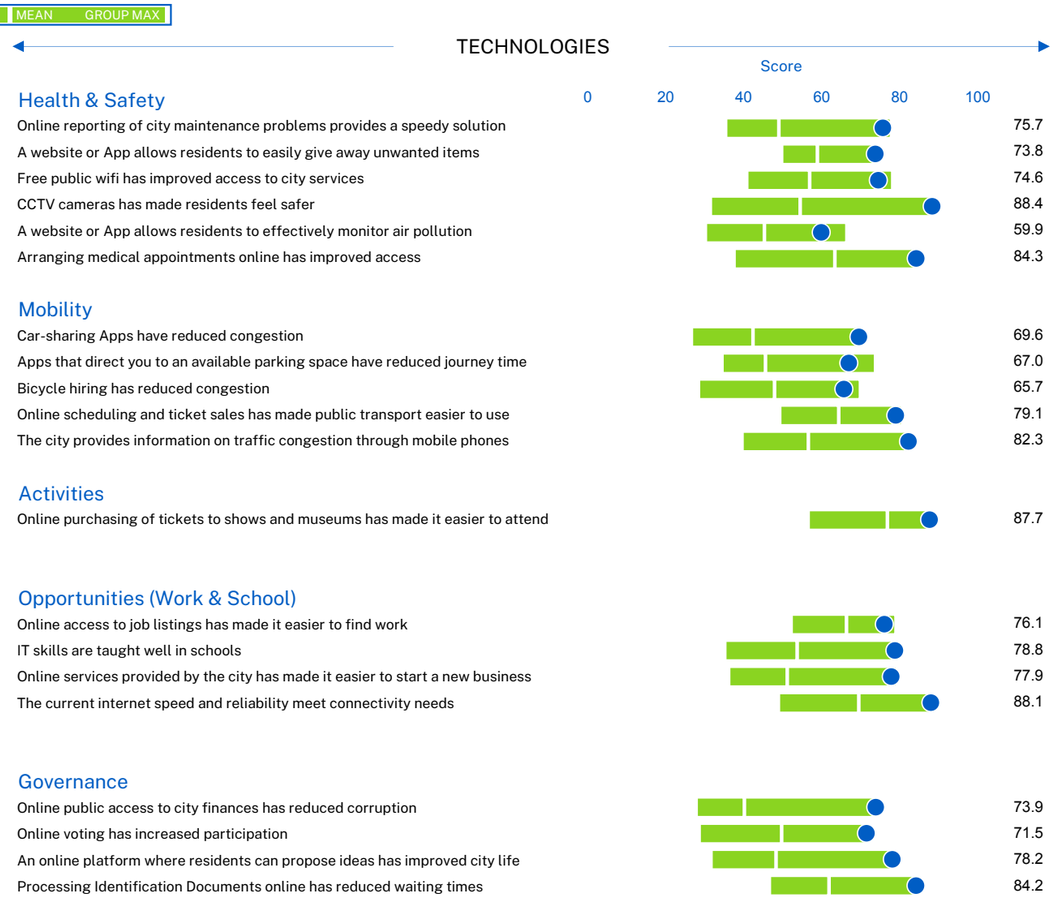
ATTITUDES



STRUCTURES



TECHNOLOGIES



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)

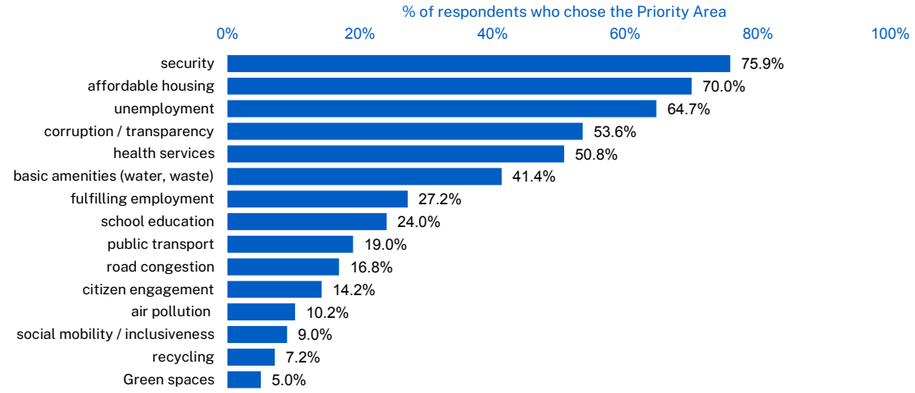


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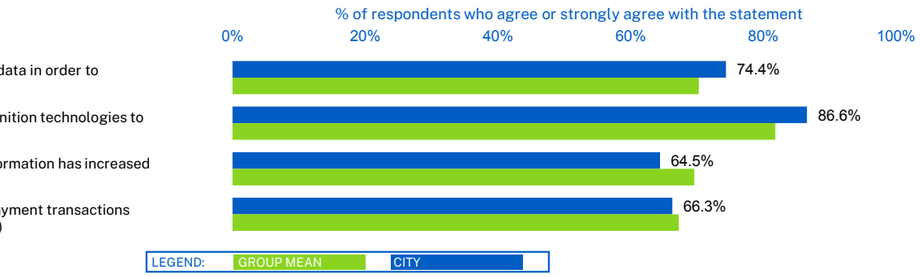
Country Nigeria	2019	2020	2021	2022	1 yr change
HDI	0.520	0.526	0.528	0.530	+0.002
Life expectancy at birth	52.9	52.9	52.7	53.6	+1.0
Expected years of schooling	10.1	10.3	10.5	10.5	+0.0
Mean years of schooling	7.2	7.4	7.6	7.6	+0.0
GNI per capita (PPP $)	4,914	4,685	4,716	4,755	+39

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





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)



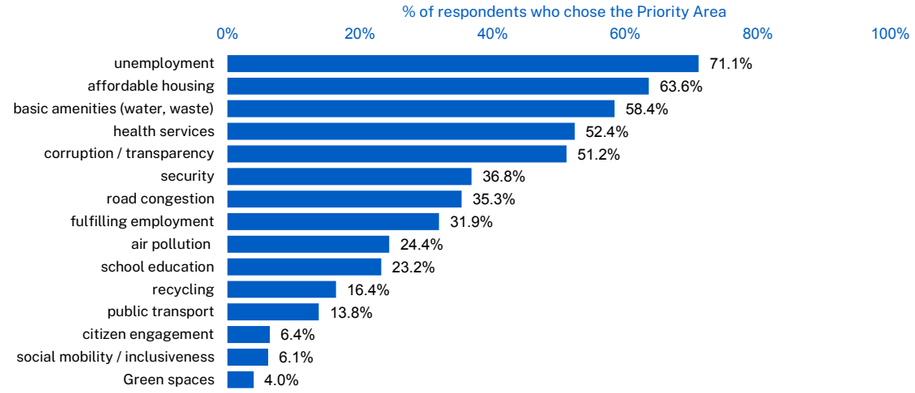
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Country

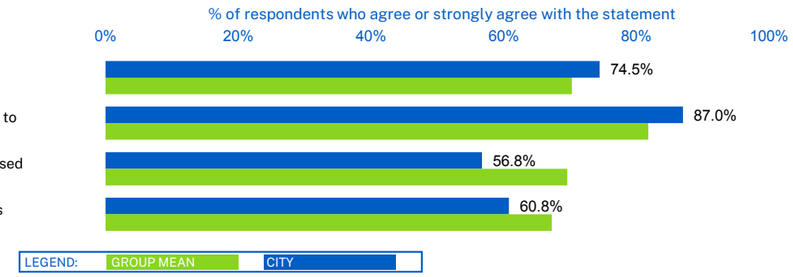
Ghana	2019	2020	2021	2022	1 yr change
HDI	0.586	0.586	0.585	0.589	+0.004
Life expectancy at birth	64.7	64.1	63.8	63.9	+0.1
Expected years of schooling	11.3	11.4	11.6	11.6	+0.0
Mean years of schooling	6.3	6.4	6.4	6.4	+0.0
GNI per capita (PPP $)	5,121	5,305	5,279	5,380	+102

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.



ATTITUDES



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100	
Basic sanitation meets the needs of the poorest areas		44.7
Recycling services are satisfactory		41.4
Public safety is not a problem		43.7
Air pollution is not a problem		23.5
Medical services provision is satisfactory		53.3
Finding housing with rent equal to 30% or less of a monthly salary is not a problem		28.0

Mobility

Traffic congestion is not a problem		18.8
Public transport is satisfactory		44.7

Activities

Green spaces are satisfactory		46.1
Cultural activities (shows, bars, and museums) are satisfactory		73.0

Opportunities (Work & School)

Employment finding services are readily available		32.2
Most children have access to a good school		50.0
Lifelong learning opportunities are provided by local institutions		40.6
Businesses are creating new jobs		49.2
Minorities feel welcome		52.8

Governance

Information on local government decisions are easily accessible		48.5
Corruption of city officials is not an issue of concern		14.2
Residents contribute to decision making of local government		36.6
Residents provide feedback on local government projects		46.3

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100	
Online reporting of city maintenance problems provides a speedy solution		37.1
A website or App allows residents to easily give away unwanted items		26.6
Free public wifi has improved access to city services		23.8
CCTV cameras has made residents feel safer		56.4
A website or App allows residents to effectively monitor air pollution		19.2
Arranging medical appointments online has improved access		49.0

Mobility

Car-sharing Apps have reduced congestion		49.5
Apps that direct you to an available parking space have reduced journey time		31.3
Bicycle hiring has reduced congestion		24.2
Online scheduling and ticket sales has made public transport easier to use		49.7
The city provides information on traffic congestion through mobile phones		28.2

Activities

Online purchasing of tickets to shows and museums has made it easier to attend		67.8

Opportunities (Work & School)

Online access to job listings has made it easier to find work		57.8
IT skills are taught well in schools		54.6
Online services provided by the city has made it easier to start a new business		50.4
The current internet speed and reliability meet connectivity needs		53.5

Governance

Online public access to city finances has reduced corruption		22.4
Online voting has increased participation		22.6
An online platform where residents can propose ideas has improved city life		35.2
Processing Identification Documents online has reduced waiting times		60.9

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 *(Census)*	410,000
HDI *(Global Data Lab)*	0.862



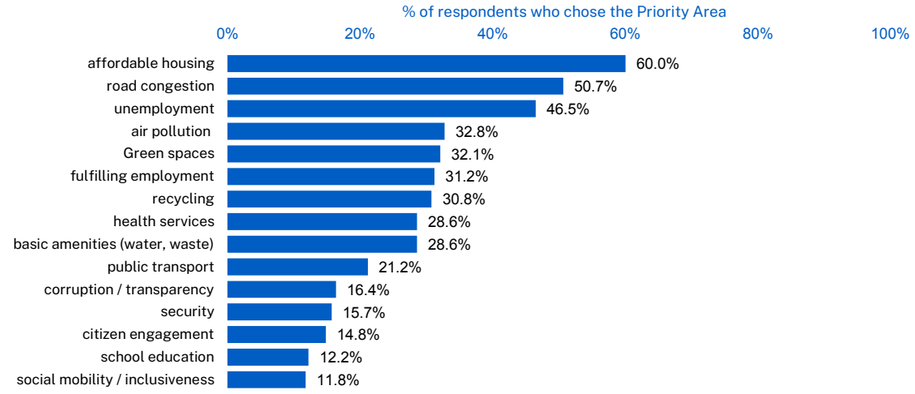
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Country

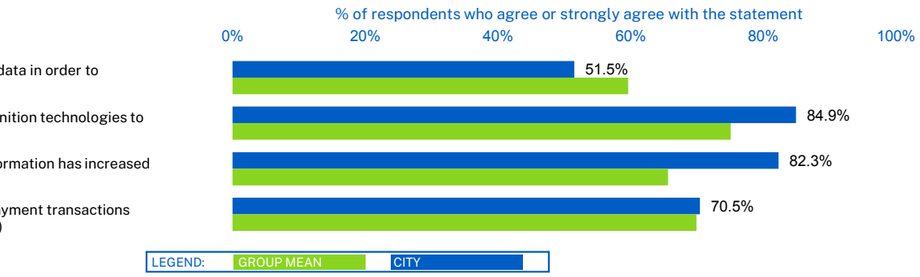
Saudi Arabia	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP $)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

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





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)



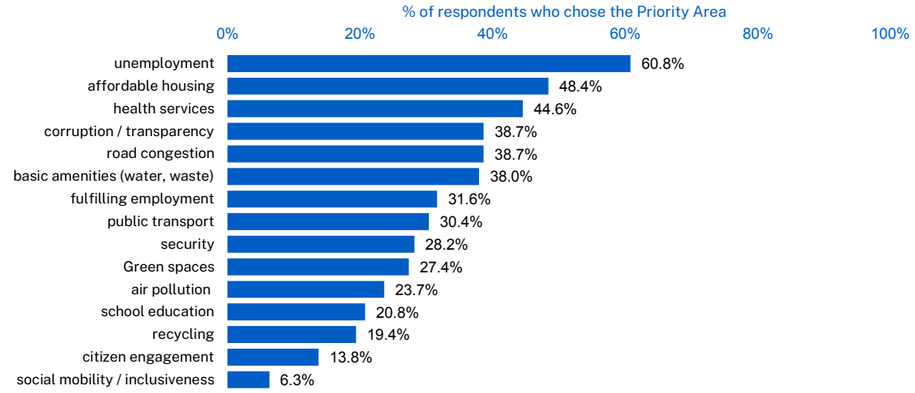
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Country

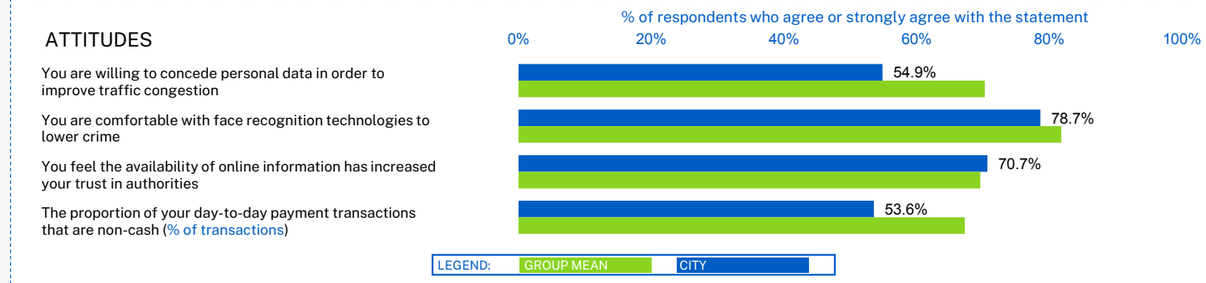
Algeria	2019	2020	2021	2022	1 yr change
HDI	0.736	0.738	0.738	0.740	+0.002
Life expectancy at birth	76.5	74.5	76.4	77.1	+0.8
Expected years of schooling	15.2	15.3	15.4	15.5	+0.1
Mean years of schooling	7.0	7.0	7.0	7.0	+0.0
GNI per capita (PPP $)	11,354	10,635	10,823	10,978	+155

PRIORITY AREAS

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





AlUla

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 *(Census)*	60,000
HDI *(Global Data Lab)*	0.871

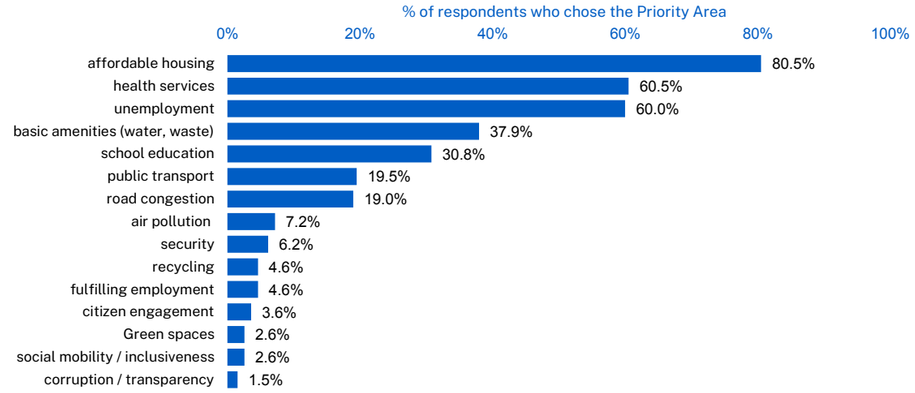


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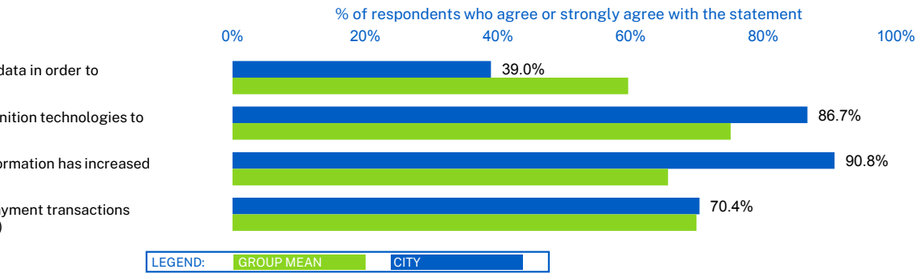
Country Saudi Arabia	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP $)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

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





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)



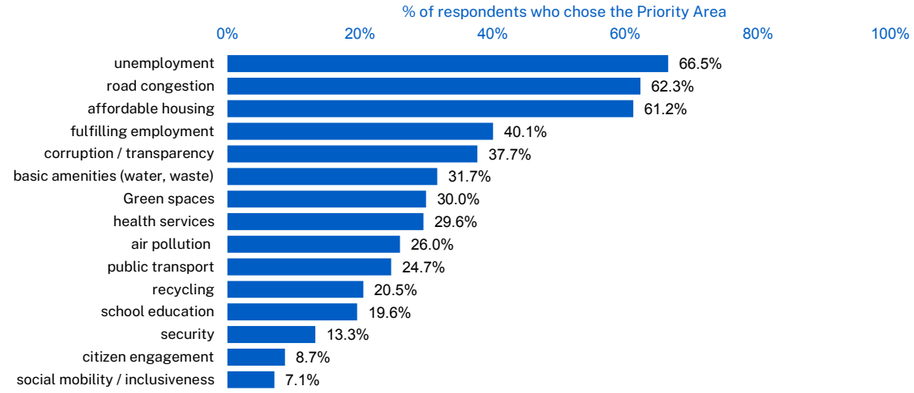
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Country

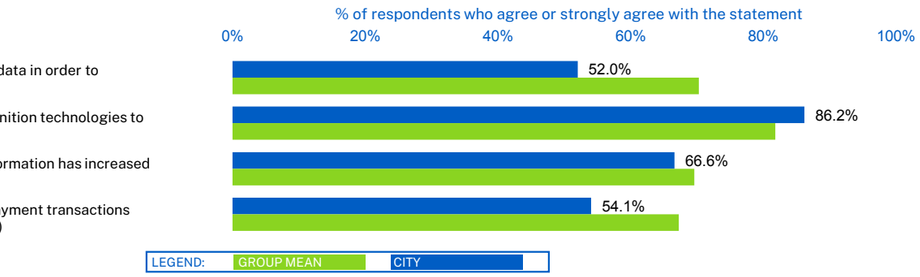
Jordan	2019	2020	2021	2022	1 yr change
HDI	0.738	0.740	0.744	0.742	-0.002
Life expectancy at birth	76.0	75.2	74.3	74.2	-0.0
Expected years of schooling	12.5	12.6	12.6	12.6	+0.0
Mean years of schooling	10.4	10.4	10.4	10.4	+0.0
GNI per capita (PPP $)	9,557	9,183	9,180	9,295	+115

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





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)

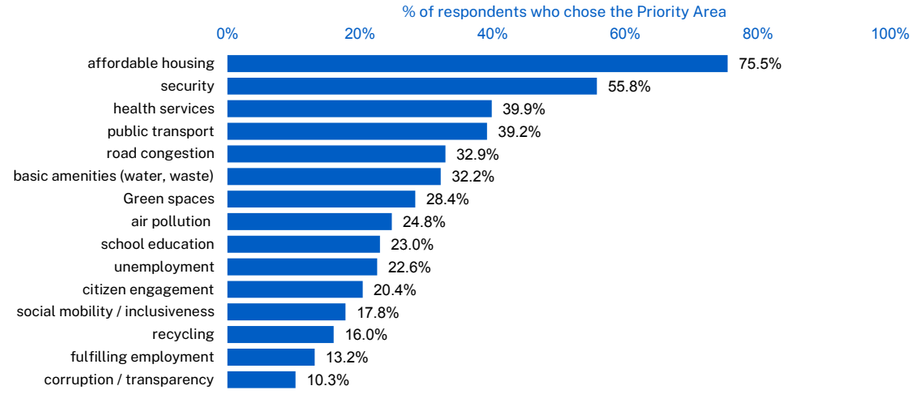


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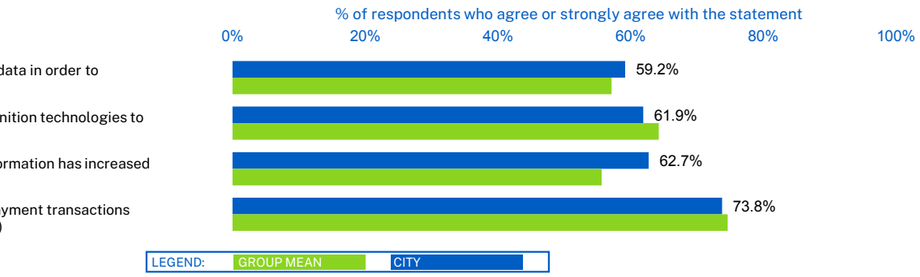
Country Netherlands	2019	2020	2021	2022	1 yr change
HDI	0.932	0.933	0.936	0.939	+0.003
Life expectancy at birth	82.0	81.6	81.7	82.5	+0.8
Expected years of schooling	18.4	18.4	18.6	18.6	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP $)	55,628	52,500	55,355	57,278	+1,923

PRIORITY AREAS

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





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)



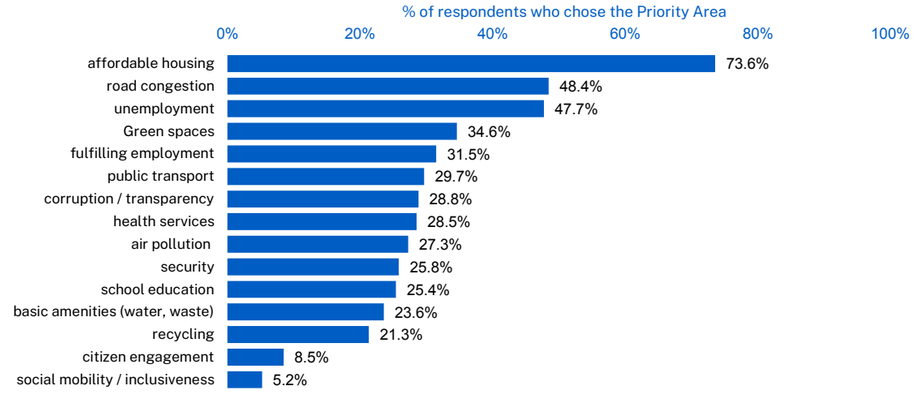
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Country

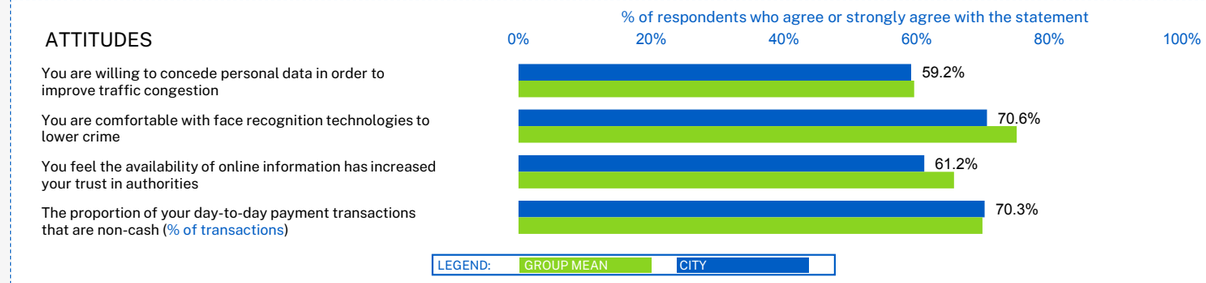
Türkiye	2019	2020	2021	2022	1 yr change
HDI	0.821	0.826	0.833	0.838	+0.005
Life expectancy at birth	77.8	75.9	76.0	78.5	+2.4
Expected years of schooling	19.2	19.3	19.7	19.7	+0.0
Mean years of schooling	8.6	8.8	8.8	8.8	+0.0
GNI per capita (PPP $)	27,950	28,381	31,310	32,834	+1,524

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.



ATTITUDES



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas	68.1
Recycling services are satisfactory	56.1
Public safety is not a problem	58.1
Air pollution is not a problem	39.2
Medical services provision is satisfactory	58.7
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	27.0

Mobility

Traffic congestion is not a problem	25.6
Public transport is satisfactory	48.5

Activities

Green spaces are satisfactory	51.1
Cultural activities (shows, bars, and museums) are satisfactory	63.5

Opportunities (Work & School)

Employment finding services are readily available	59.8
Most children have access to a good school	51.5
Lifelong learning opportunities are provided by local institutions	59.3
Businesses are creating new jobs	52.5
Minorities feel welcome	54.0

Governance

Information on local government decisions are easily accessible	66.0
Corruption of city officials is not an issue of concern	36.5
Residents contribute to decision making of local government	51.9
Residents provide feedback on local government projects	56.1

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	58.5
A website or App allows residents to easily give away unwanted items	59.6
Free public wifi has improved access to city services	62.8
CCTV cameras has made residents feel safer	66.5
A website or App allows residents to effectively monitor air pollution	50.2
Arranging medical appointments online has improved access	69.1

Mobility

Car-sharing Apps have reduced congestion	39.5
Apps that direct you to an available parking space have reduced journey time	43.9
Bicycle hiring has reduced congestion	40.1
Online scheduling and ticket sales has made public transport easier to use	62.6
The city provides information on traffic congestion through mobile phones	73.2

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	73.3

Opportunities (Work & School)

Online access to job listings has made it easier to find work	68.6
IT skills are taught well in schools	54.8
Online services provided by the city has made it easier to start a new business	56.0
The current internet speed and reliability meet connectivity needs	65.7

Governance

Online public access to city finances has reduced corruption	51.9
Online voting has increased participation	44.0
An online platform where residents can propose ideas has improved city life	57.6
Processing Identification Documents online has reduced waiting times	69.5

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)

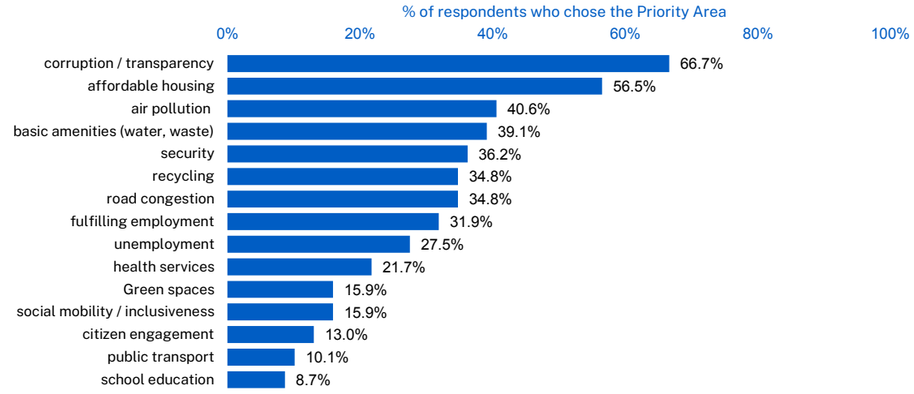


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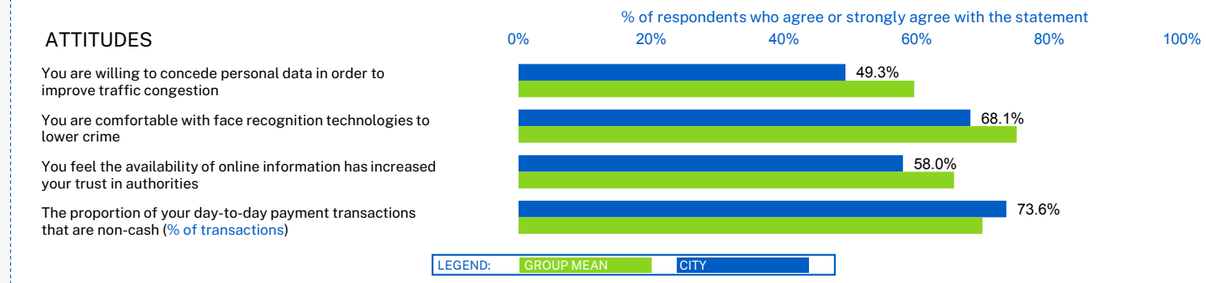
Country Kazakhstan	2019	2020	2021	2022	1 yr change
HDI	0.799	0.797	0.802	0.804	+0.002
Life expectancy at birth	71.6	70.0	69.4	69.5	+0.1
Expected years of schooling	14.6	14.8	14.8	14.8	+0.0
Mean years of schooling	12.3	12.4	12.4	12.4	+0.0
GNI per capita (PPP $)	22,787	23,304	22,602	22,587	-15

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.



ATTITUDES





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)



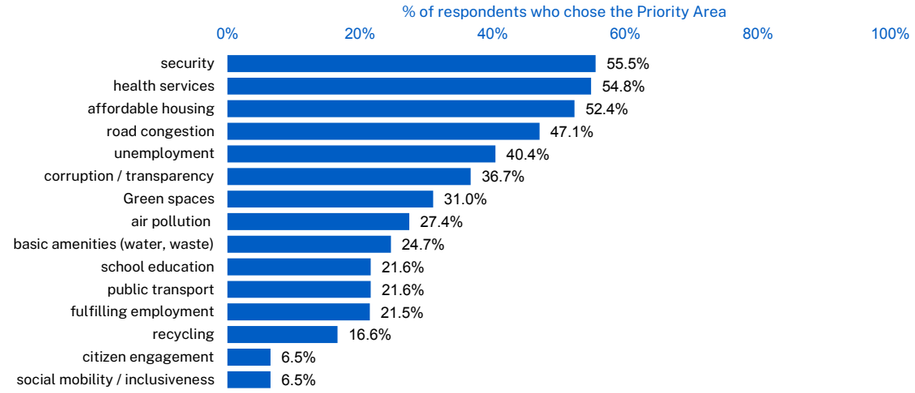
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Country

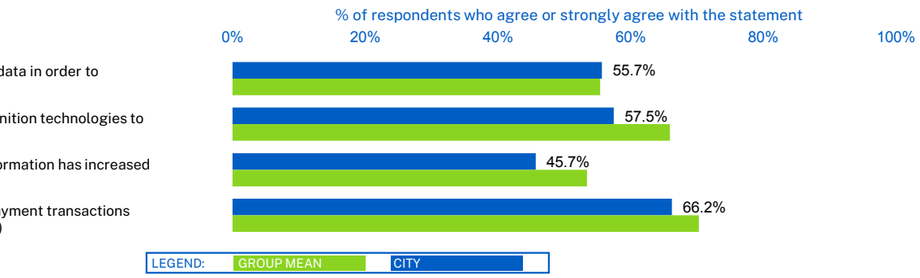
Greece	2019	2020	2021	2022	1 yr change
HDI	0.881	0.877	0.880	0.886	+0.006
Life expectancy at birth	81.2	80.9	80.1	80.6	+0.5
Expected years of schooling	19.7	19.7	20.0	20.0	+0.0
Mean years of schooling	11.1	11.4	11.4	11.4	+0.0
GNI per capita (PPP $)	29,457	26,973	29,421	31,382	+1,960

PRIORITY AREAS

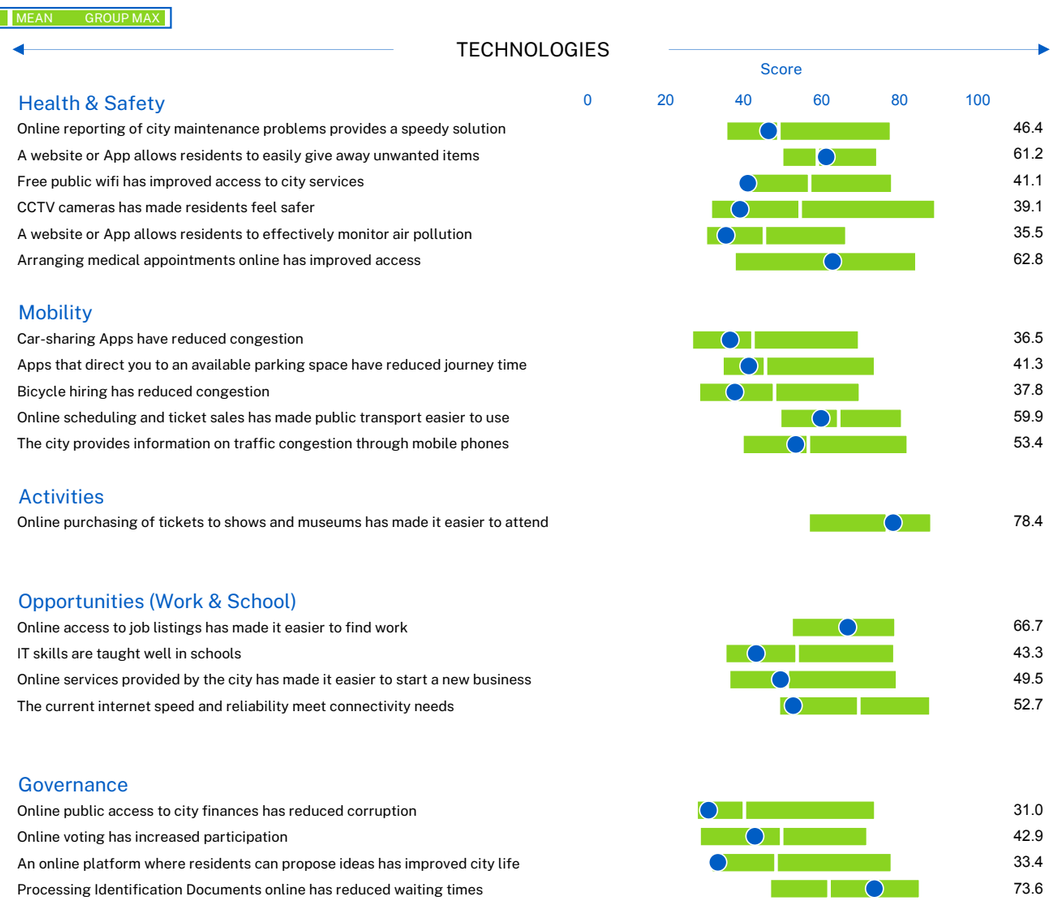
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)



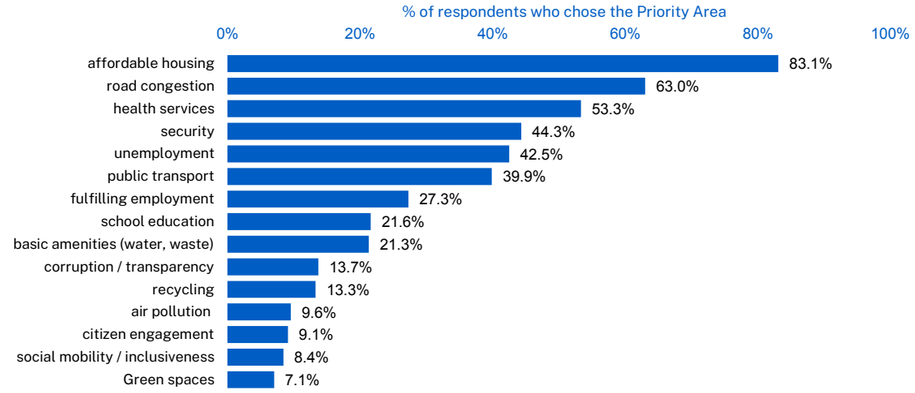
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Country

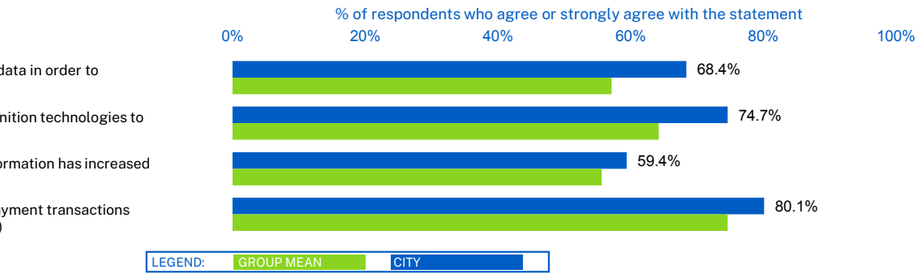
New Zealand	2019	2020	2021	2022	1 yr change
HDI	0.933	0.935	0.935	0.936	+0.001
Life expectancy at birth	82.6	82.7	82.5	83.0	+0.6
Expected years of schooling	19.5	19.2	19.7	19.7	+0.0
Mean years of schooling	13.0	12.9	12.9	12.9	+0.0
GNI per capita (PPP $)	42,210	41,225	42,850	43,665	+816

PRIORITY AREAS

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





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)

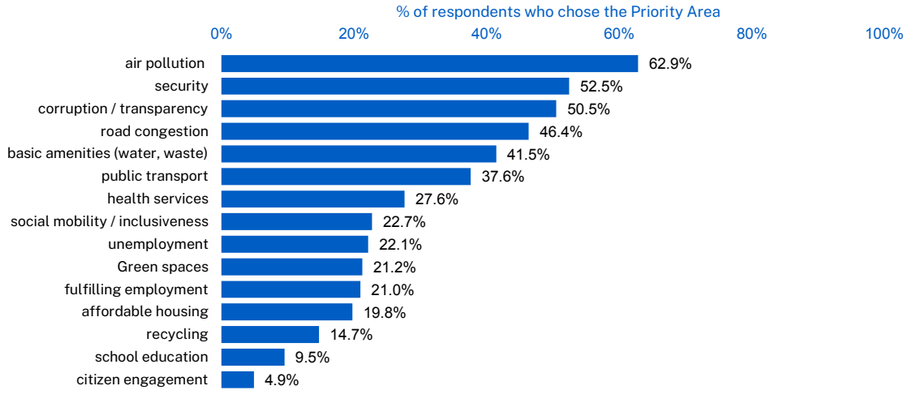


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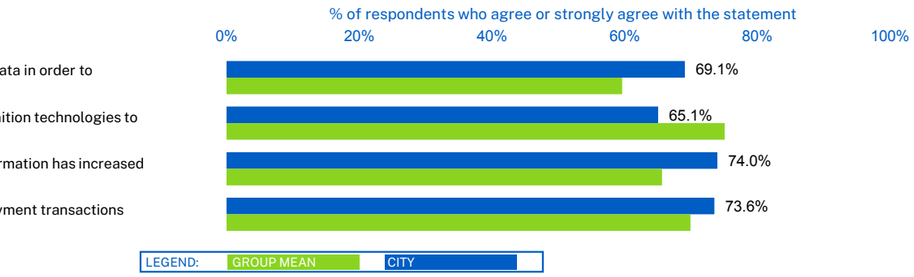
Country Thailand	2019	2020	2021	2022	1 yr change
HDI	0.789	0.793	0.795	0.796	+0.001
Life expectancy at birth	79.0	79.3	78.7	79.7	+1.0
Expected years of schooling	15.8	15.6	15.6	15.6	+0.0
Mean years of schooling	8.7	8.8	8.8	8.8	+0.0
GNI per capita (PPP $)	17,335	16,444	16,481	16,887	+405

PRIORITY AREAS

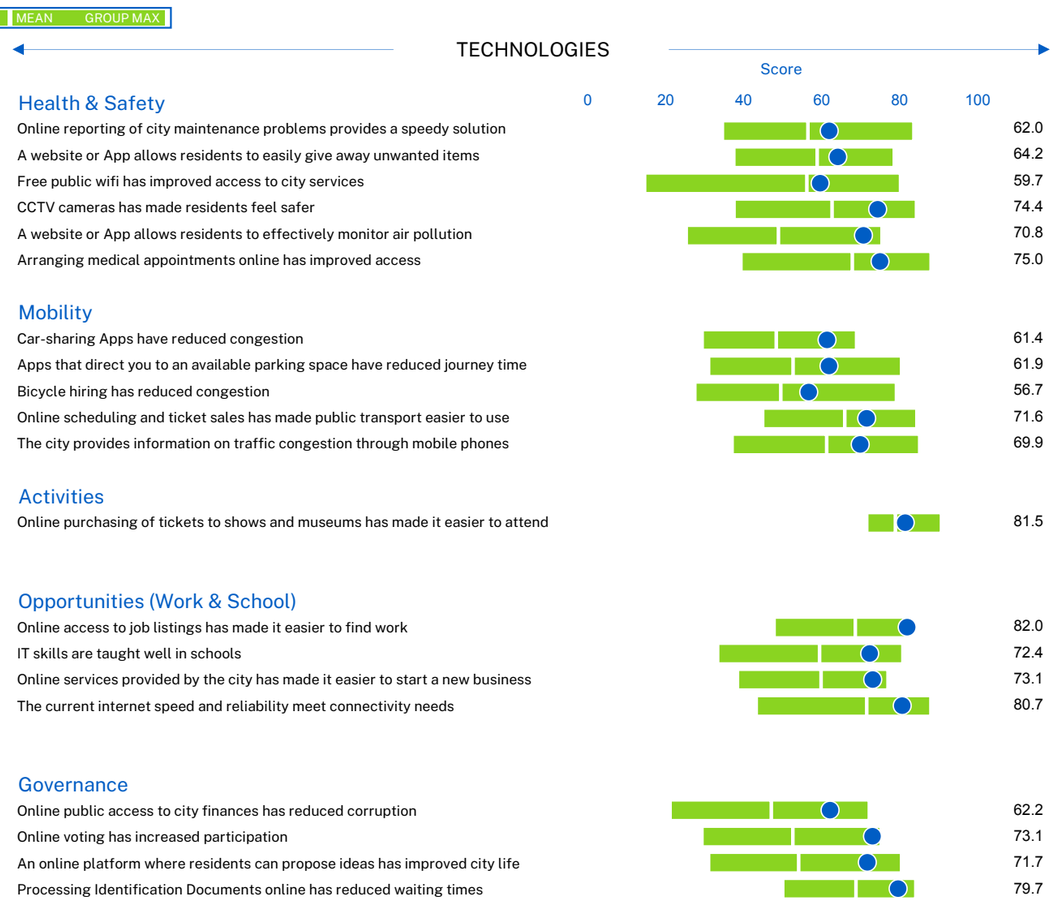
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)

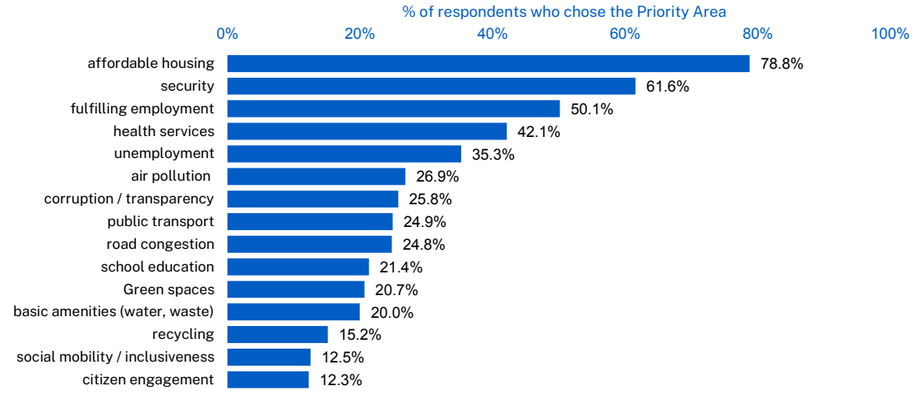


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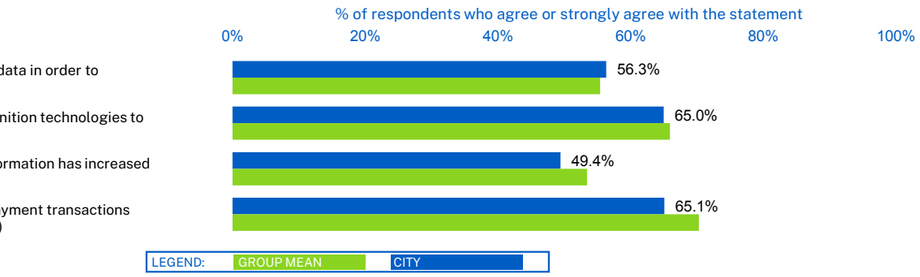
Country Spain	2019	2020	2021	2022	1 yr change
HDI	0.889	0.894	0.896	0.899	+0.003
Life expectancy at birth	83.5	82.3	83.0	83.9	+0.9
Expected years of schooling	17.5	17.5	17.8	17.8	+0.0
Mean years of schooling	10.4	10.6	10.6	10.6	+0.0
GNI per capita (PPP $)	40,854	36,076	38,133	40,043	+1,911

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.



ATTITUDES





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)



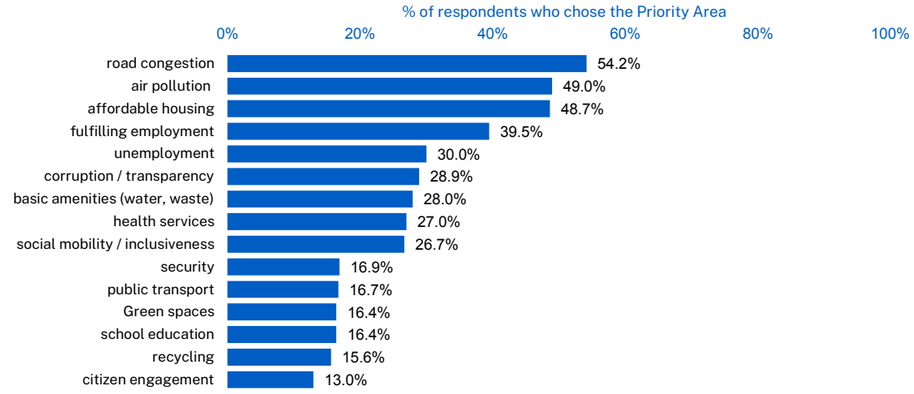
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Country

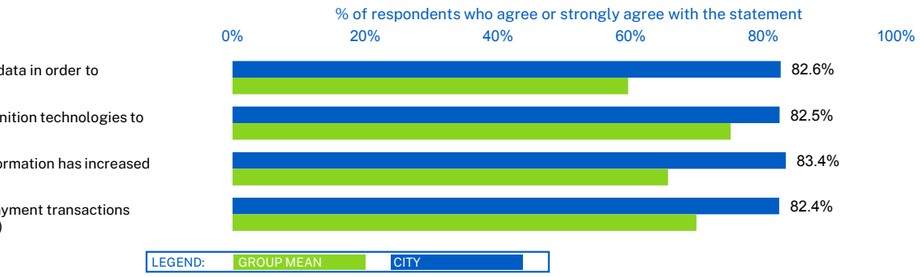
China	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP $)	15,934	16,168	17,499	18,025	+526

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.



ATTITUDES



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	Score
Basic sanitation meets the needs of the poorest areas	82.0
Recycling services are satisfactory	78.2
Public safety is not a problem	72.6
Air pollution is not a problem	51.3
Medical services provision is satisfactory	75.7
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	54.9

Mobility

	Score
Traffic congestion is not a problem	36.2
Public transport is satisfactory	65.1

Activities

	Score
Green spaces are satisfactory	78.9
Cultural activities (shows, bars, and museums) are satisfactory	80.0

Opportunities (Work & School)

	Score
Employment finding services are readily available	73.1
Most children have access to a good school	75.9
Lifelong learning opportunities are provided by local institutions	64.8
Businesses are creating new jobs	71.5
Minorities feel welcome	79.8

Governance

	Score
Information on local government decisions are easily accessible	76.5
Corruption of city officials is not an issue of concern	55.2
Residents contribute to decision making of local government	63.3
Residents provide feedback on local government projects	69.2

TECHNOLOGIES

Score

Health & Safety

	Score
Online reporting of city maintenance problems provides a speedy solution	78.7
A website or App allows residents to easily give away unwanted items	76.3
Free public wifi has improved access to city services	76.0
CCTV cameras has made residents feel safer	76.4
A website or App allows residents to effectively monitor air pollution	74.9
Arranging medical appointments online has improved access	85.0

Mobility

	Score
Car-sharing Apps have reduced congestion	64.7
Apps that direct you to an available parking space have reduced journey time	77.3
Bicycle hiring has reduced congestion	77.5
Online scheduling and ticket sales has made public transport easier to use	84.5
The city provides information on traffic congestion through mobile phones	82.5

Activities

	Score
Online purchasing of tickets to shows and museums has made it easier to attend	88.0

Opportunities (Work & School)

	Score
Online access to job listings has made it easier to find work	75.9
IT skills are taught well in schools	78.5
Online services provided by the city has made it easier to start a new business	72.8
The current internet speed and reliability meet connectivity needs	84.5

Governance

	Score
Online public access to city finances has reduced corruption	69.9
Online voting has increased participation	74.1
An online platform where residents can propose ideas has improved city life	75.1
Processing Identification Documents online has reduced waiting times	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)

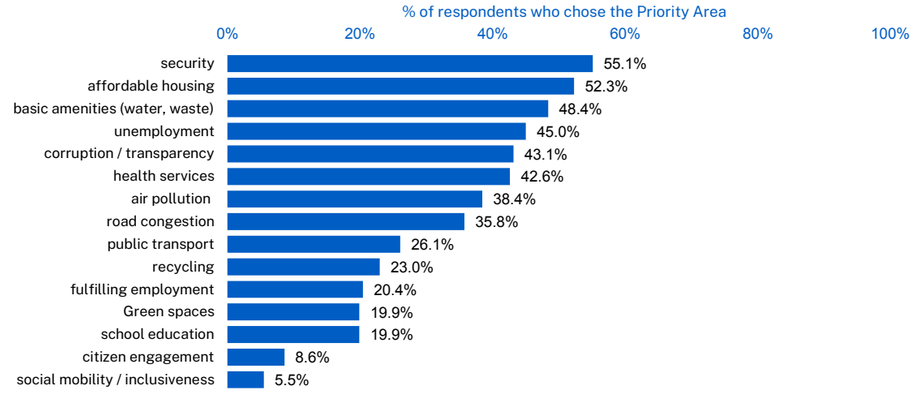


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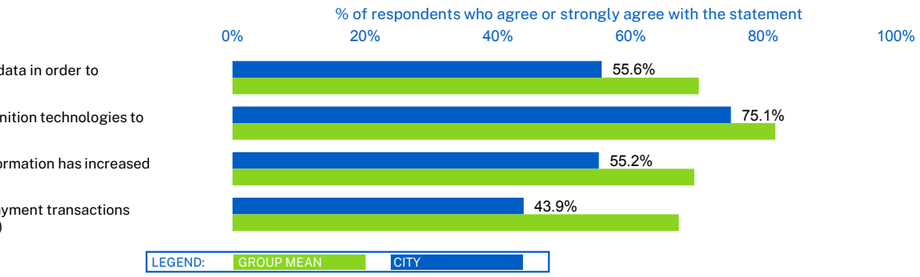
Country Lebanon	2019	2020	2021	2022	1 yr change
HDI	0.756	0.760	0.765	0.764	-0.001
Life expectancy at birth	79.2	77.8	75.0	74.4	-0.6
Expected years of schooling	12.1	12.1	12.1	12.1	+0.0
Mean years of schooling	8.6	8.6	8.6	8.6	+0.0
GNI per capita (PPP $)	16,724	13,311	12,146	12,313	+167

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score: 0 20 40 60 80 100

Health & Safety

Basic sanitation meets the needs of the poorest areas	45.9
Recycling services are satisfactory	41.7
Public safety is not a problem	29.8
Air pollution is not a problem	16.6
Medical services provision is satisfactory	47.4
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	27.1

Mobility

Traffic congestion is not a problem	16.2
Public transport is satisfactory	34.1

Activities

Green spaces are satisfactory	38.3
Cultural activities (shows, bars, and museums) are satisfactory	62.0

Opportunities (Work & School)

Employment finding services are readily available	33.8
Most children have access to a good school	34.1
Lifelong learning opportunities are provided by local institutions	37.0
Businesses are creating new jobs	40.8
Minorities feel welcome	43.9

Governance

Information on local government decisions are easily accessible	44.0
Corruption of city officials is not an issue of concern	21.6
Residents contribute to decision making of local government	28.5
Residents provide feedback on local government projects	31.9

TECHNOLOGIES

Score: 0 20 40 60 80 100

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	35.9
A website or App allows residents to easily give away unwanted items	44.1
Free public wifi has improved access to city services	36.5
CCTV cameras has made residents feel safer	49.7
A website or App allows residents to effectively monitor air pollution	31.1
Arranging medical appointments online has improved access	56.3

Mobility

Car-sharing Apps have reduced congestion	37.3
Apps that direct you to an available parking space have reduced journey time	38.8
Bicycle hiring has reduced congestion	35.9
Online scheduling and ticket sales has made public transport easier to use	43.2
The city provides information on traffic congestion through mobile phones	49.1

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	60.4

Opportunities (Work & School)

Online access to job listings has made it easier to find work	63.4
IT skills are taught well in schools	53.0
Online services provided by the city has made it easier to start a new business	44.7
The current internet speed and reliability meet connectivity needs	41.6

Governance

Online public access to city finances has reduced corruption	30.3
Online voting has increased participation	43.7
An online platform where residents can propose ideas has improved city life	40.5
Processing Identification Documents online has reduced waiting times	45.4

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)



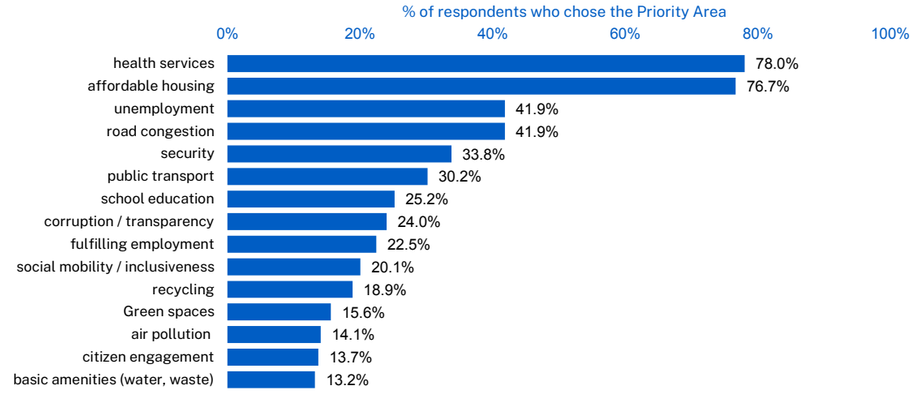
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Country

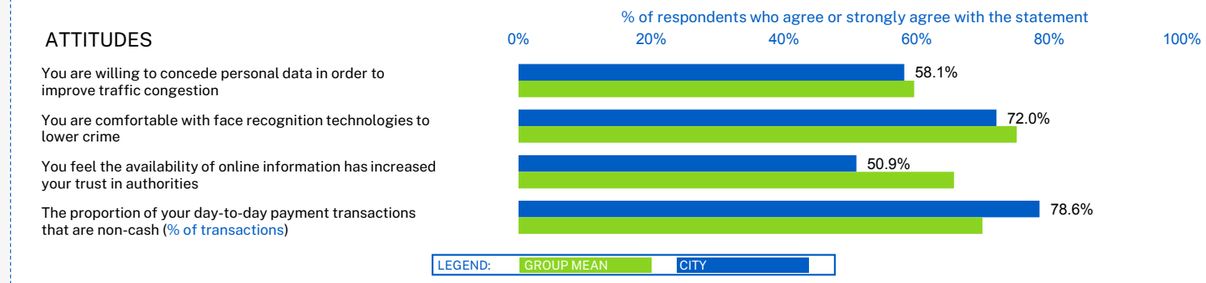
United Kingdom	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	47,066	40,799	44,750	46,624	+1,874

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





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)



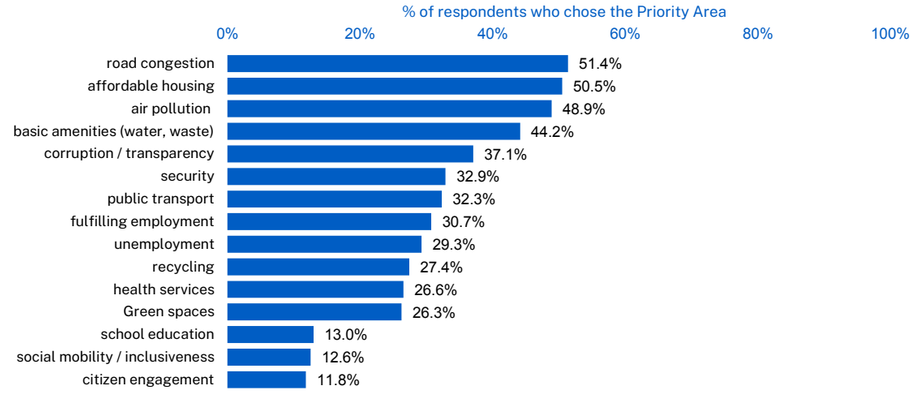
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Country

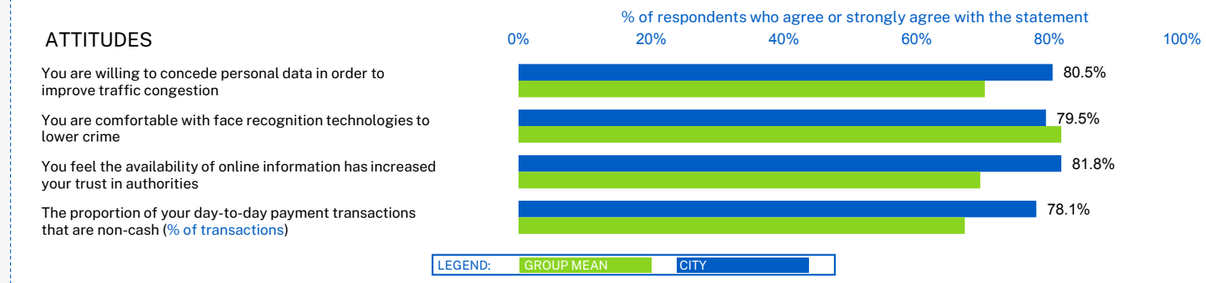
India	2019	2020	2021	2022	1 yr change
HDI	0.619	0.630	0.636	0.636	+0.000
Life expectancy at birth	70.9	70.2	67.2	67.7	+0.5
Expected years of schooling	11.4	11.7	12.0	12.6	+0.6
Mean years of schooling	6.3	6.5	6.5	6.6	+0.0
GNI per capita (PPP $)	6,554	6,090	6,542	6,951	+408

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





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)

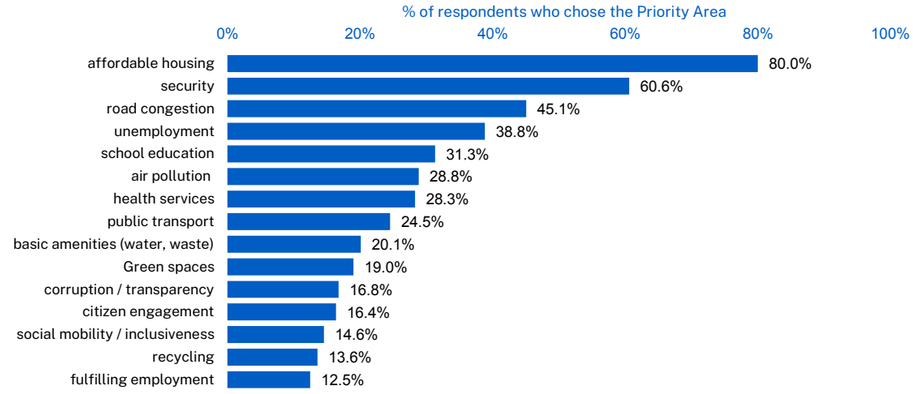


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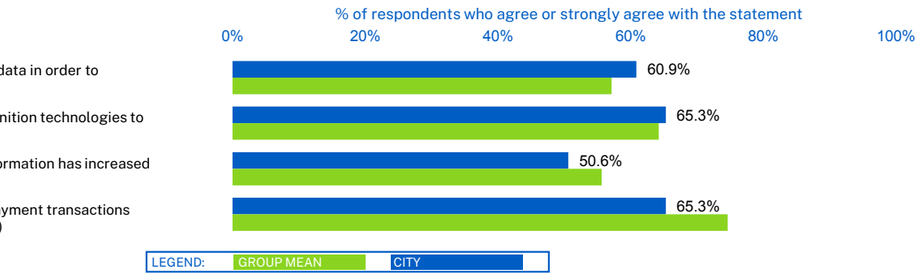
Country Germany	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP $)	55,685	53,375	55,057	55,340	+284

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





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)



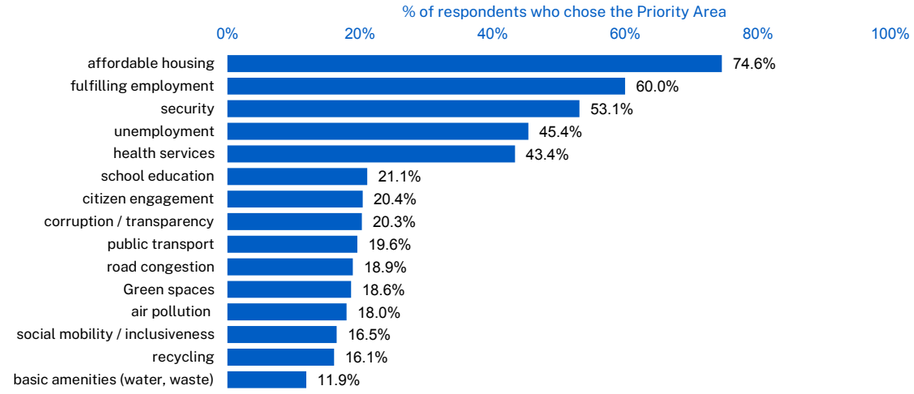
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Country

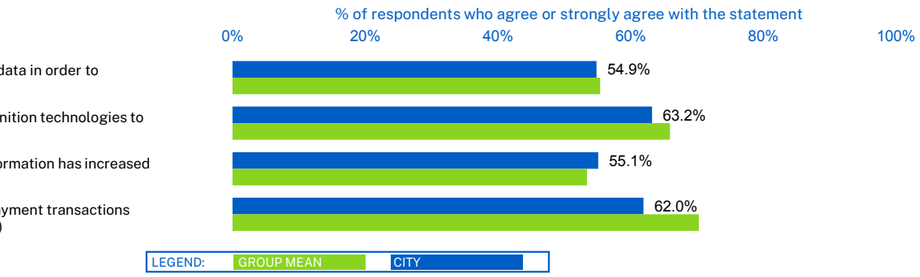
Spain	2019	2020	2021	2022	1 yr change
HDI	0.889	0.894	0.896	0.899	+0.003
Life expectancy at birth	83.5	82.3	83.0	83.9	+0.9
Expected years of schooling	17.5	17.5	17.8	17.8	+0.0
Mean years of schooling	10.4	10.6	10.6	10.6	+0.0
GNI per capita (PPP $)	40,854	36,076	38,133	40,043	+1,911

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.



ATTITUDES



STRUCTURES

LEGEND: MIN CITY MEAN GROUP MAX

Score: 0 20 40 60 80 100

Health & Safety

Basic sanitation meets the needs of the poorest areas	70.3
Recycling services are satisfactory	75.1
Public safety is not a problem	54.6
Air pollution is not a problem	44.5
Medical services provision is satisfactory	61.8
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	20.7

Mobility

Traffic congestion is not a problem	41.0
Public transport is satisfactory	80.3

Activities

Green spaces are satisfactory	77.7
Cultural activities (shows, bars, and museums) are satisfactory	81.2

Opportunities (Work & School)

Employment finding services are readily available	74.8
Most children have access to a good school	74.0
Lifelong learning opportunities are provided by local institutions	77.1
Businesses are creating new jobs	53.1
Minorities feel welcome	63.3

Governance

Information on local government decisions are easily accessible	60.4
Corruption of city officials is not an issue of concern	47.7
Residents contribute to decision making of local government	48.1
Residents provide feedback on local government projects	56.1

TECHNOLOGIES

Score: 0 20 40 60 80 100

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	54.7
A website or App allows residents to easily give away unwanted items	57.6
Free public wifi has improved access to city services	59.5
CCTV cameras has made residents feel safer	48.0
A website or App allows residents to effectively monitor air pollution	45.3
Arranging medical appointments online has improved access	64.3

Mobility

Car-sharing Apps have reduced congestion	44.3
Apps that direct you to an available parking space have reduced journey time	45.1
Bicycle hiring has reduced congestion	57.5
Online scheduling and ticket sales has made public transport easier to use	70.2
The city provides information on traffic congestion through mobile phones	59.3

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	81.3

Opportunities (Work & School)

Online access to job listings has made it easier to find work	64.2
IT skills are taught well in schools	55.4
Online services provided by the city has made it easier to start a new business	48.6
The current internet speed and reliability meet connectivity needs	75.8

Governance

Online public access to city finances has reduced corruption	41.0
Online voting has increased participation	47.0
An online platform where residents can propose ideas has improved city life	55.0
Processing Identification Documents online has reduced waiting times	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)

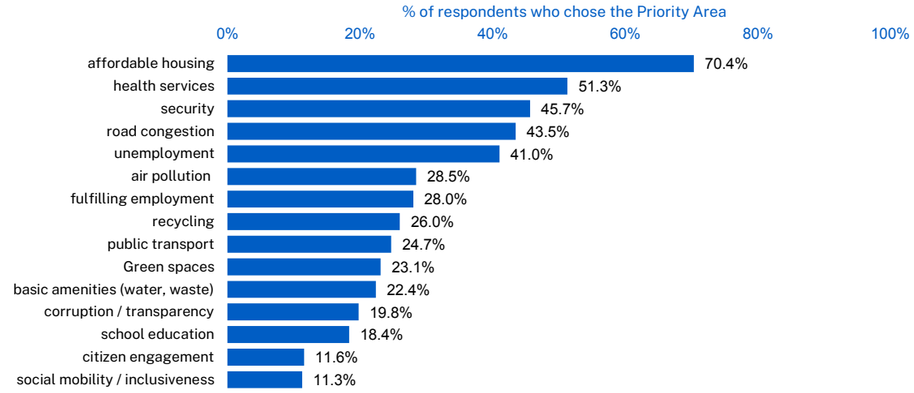


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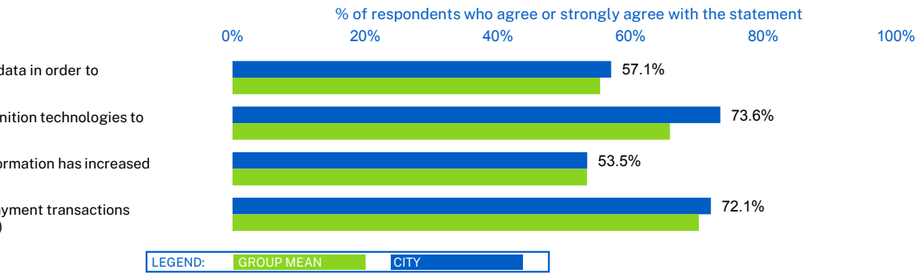
Country United Kingdom	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	47,066	40,799	44,750	46,624	+1,874

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





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)

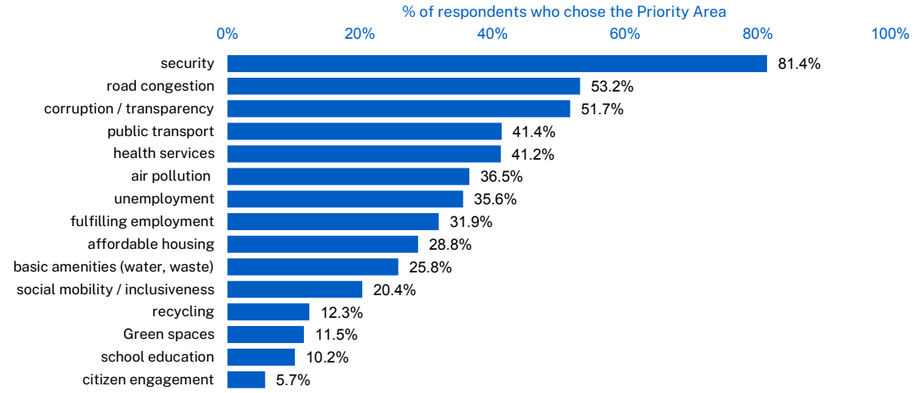


Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

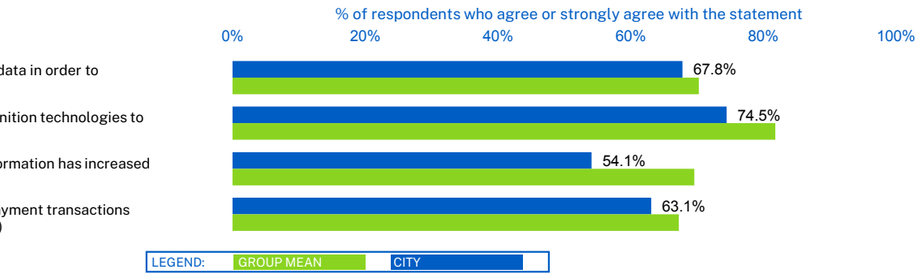
Country Colombia	2019	2020	2021	2022	1 yr change
HDI	0.758	0.763	0.765	0.766	+0.001
Life expectancy at birth	76.8	74.8	72.8	73.7	+0.8
Expected years of schooling	14.5	14.4	14.4	14.4	+0.0
Mean years of schooling	8.6	8.9	8.9	8.9	+0.0
GNI per capita (PPP $)	14,294	13,220	14,403	15,014	+611

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas	41.4
Recycling services are satisfactory	47.4
Public safety is not a problem	21.2
Air pollution is not a problem	18.6
Medical services provision is satisfactory	38.8
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	33.1

Mobility

Traffic congestion is not a problem	15.5
Public transport is satisfactory	25.6

Activities

Green spaces are satisfactory	65.9
Cultural activities (shows, bars, and museums) are satisfactory	77.9

Opportunities (Work & School)

Employment finding services are readily available	59.9
Most children have access to a good school	43.9
Lifelong learning opportunities are provided by local institutions	48.8
Businesses are creating new jobs	44.6
Minorities feel welcome	41.1

Governance

Information on local government decisions are easily accessible	46.6
Corruption of city officials is not an issue of concern	18.2
Residents contribute to decision making of local government	28.0
Residents provide feedback on local government projects	38.2

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	38.4
A website or App allows residents to easily give away unwanted items	47.6
Free public wifi has improved access to city services	50.0
CCTV cameras has made residents feel safer	44.4
A website or App allows residents to effectively monitor air pollution	45.8
Arranging medical appointments online has improved access	61.4

Mobility

Car-sharing Apps have reduced congestion	35.0
Apps that direct you to an available parking space have reduced journey time	44.1
Bicycle hiring has reduced congestion	48.6
Online scheduling and ticket sales has made public transport easier to use	55.3
The city provides information on traffic congestion through mobile phones	60.2

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	77.6

Opportunities (Work & School)

Online access to job listings has made it easier to find work	60.7
IT skills are taught well in schools	51.6
Online services provided by the city has made it easier to start a new business	50.9
The current internet speed and reliability meet connectivity needs	65.5

Governance

Online public access to city finances has reduced corruption	24.3
Online voting has increased participation	32.6
An online platform where residents can propose ideas has improved city life	37.0
Processing Identification Documents online has reduced waiting times	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)



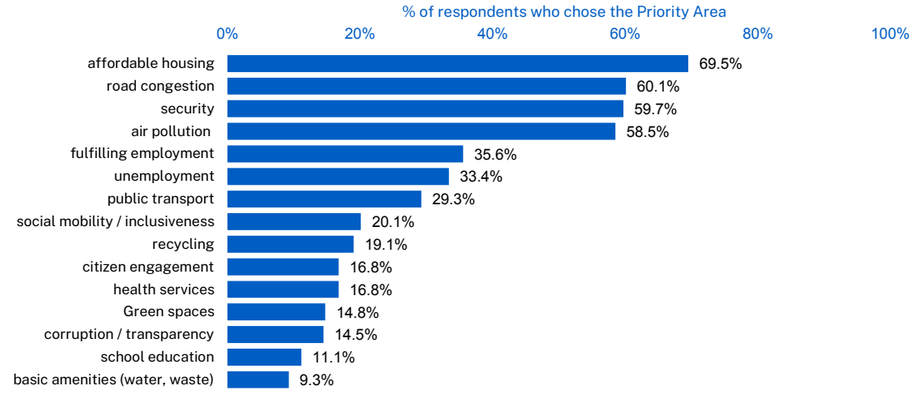
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Country

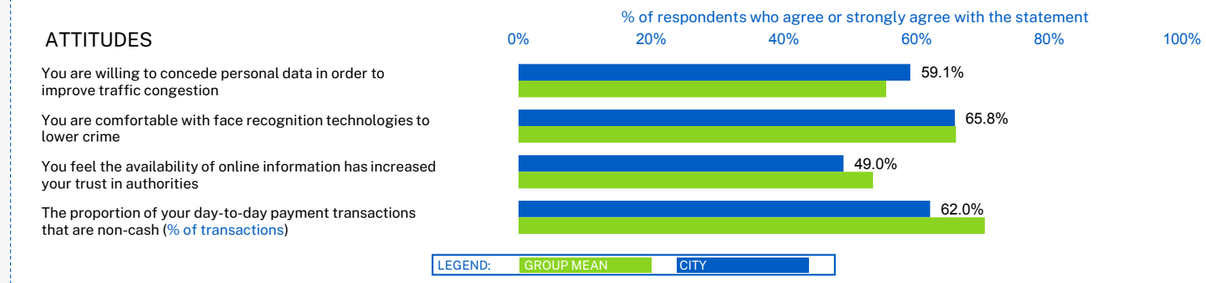
Italy	2019	2020	2021	2022	1 yr change
HDI	0.881	0.886	0.889	0.894	+0.005
Life expectancy at birth	83.6	82.4	82.9	84.1	+1.2
Expected years of schooling	16.4	16.5	16.7	16.7	+0.0
Mean years of schooling	10.7	10.7	10.7	10.7	+0.0
GNI per capita (PPP $)	43,102	39,587	42,856	44,284	+1,428

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





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)



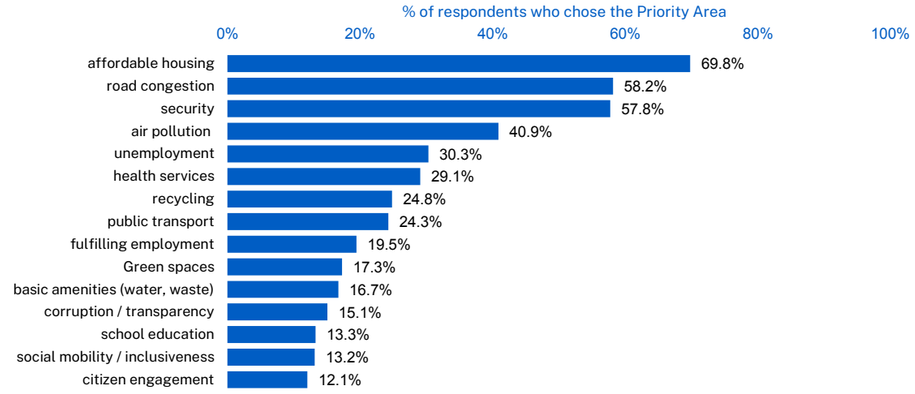
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

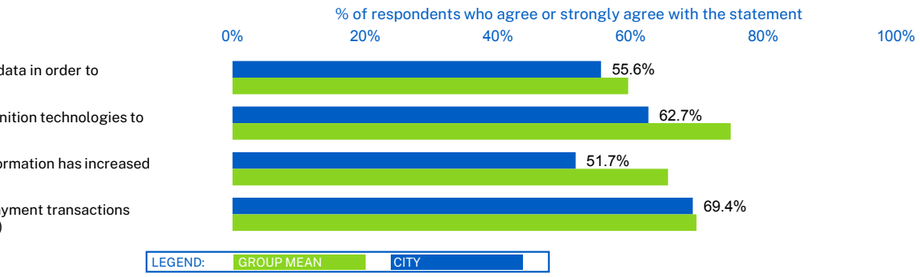
France	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP $)	46,907	42,891	46,322	47,379	+1,057

PRIORITY AREAS

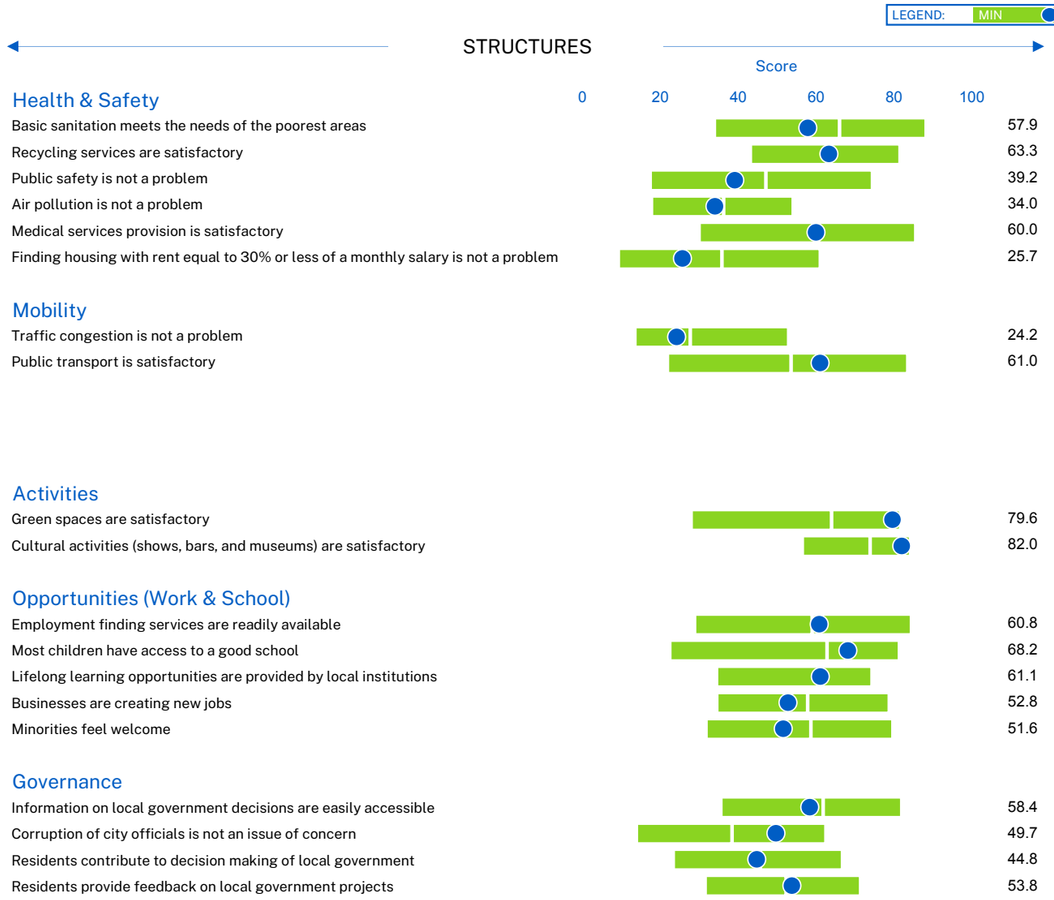
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



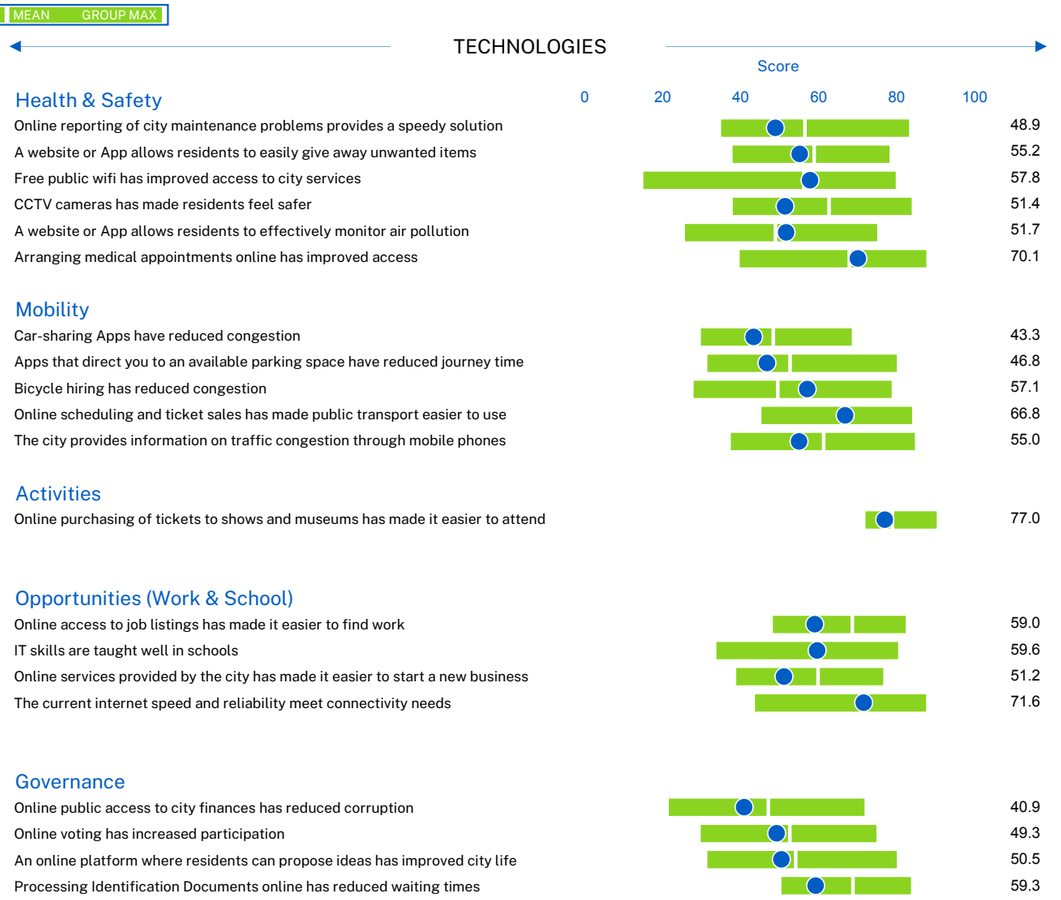
ATTITUDES



STRUCTURES



TECHNOLOGIES



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)



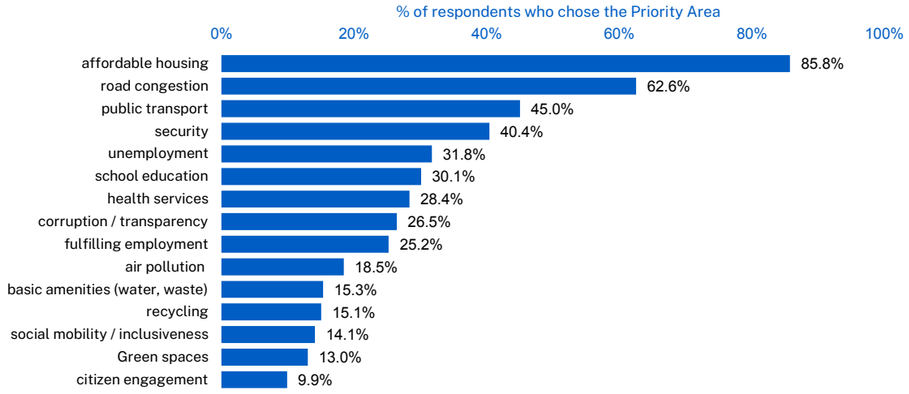
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Country

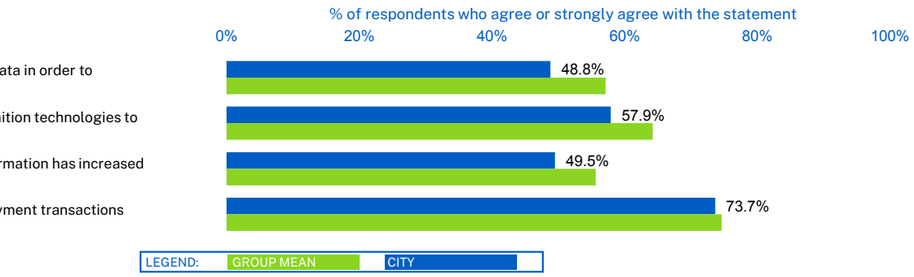
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

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





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)

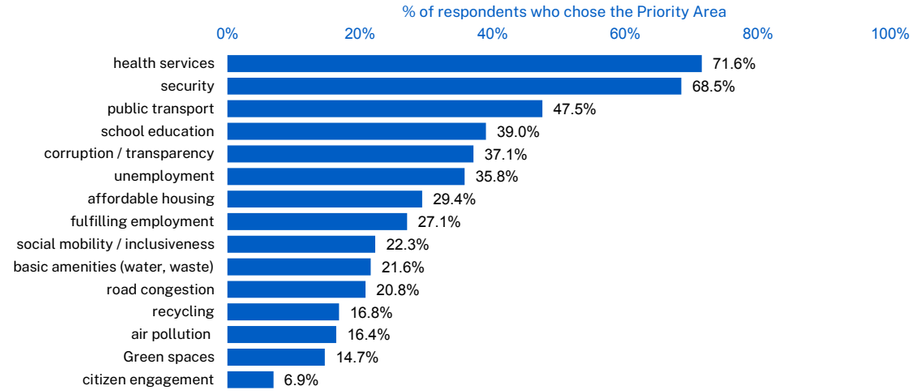


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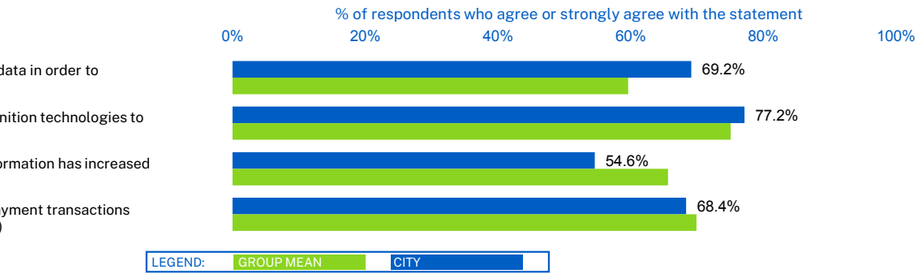
Country Brazil	2019	2020	2021	2022	1 yr change
HDI	0.752	0.753	0.758	0.762	+0.004
Life expectancy at birth	75.3	74.0	72.8	73.4	+0.7
Expected years of schooling	15.4	15.4	15.6	15.6	+0.0
Mean years of schooling	8.1	8.3	8.3	8.3	+0.0
GNI per capita (PPP $)	14,291	13,815	14,342	14,616	+274

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





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)

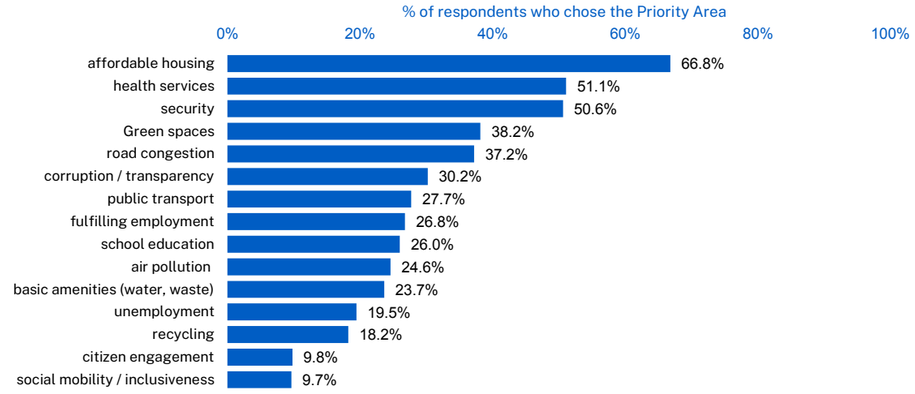


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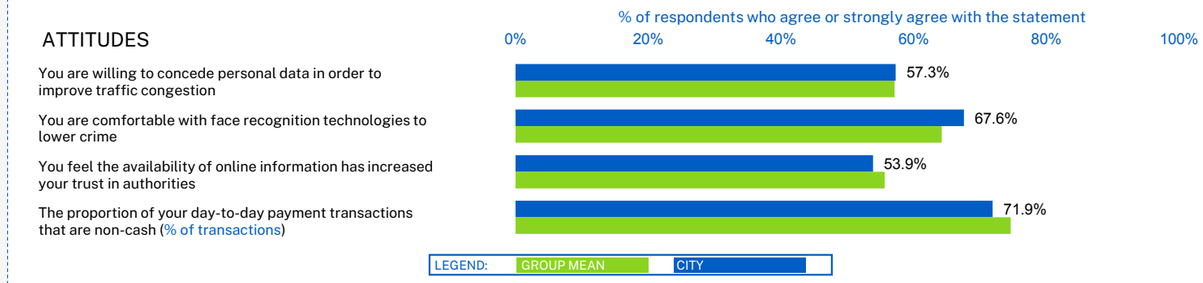
Country Slovakia	2019	2020	2021	2022	1 yr change
HDI	0.852	0.855	0.857	0.860	+0.003
Life expectancy at birth	77.7	77.0	74.9	75.3	+0.4
Expected years of schooling	14.5	14.6	14.7	14.7	+0.0
Mean years of schooling	12.9	13.0	13.0	13.0	+0.0
GNI per capita (PPP $)	31,292	30,589	31,553	32,171	+618

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





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)

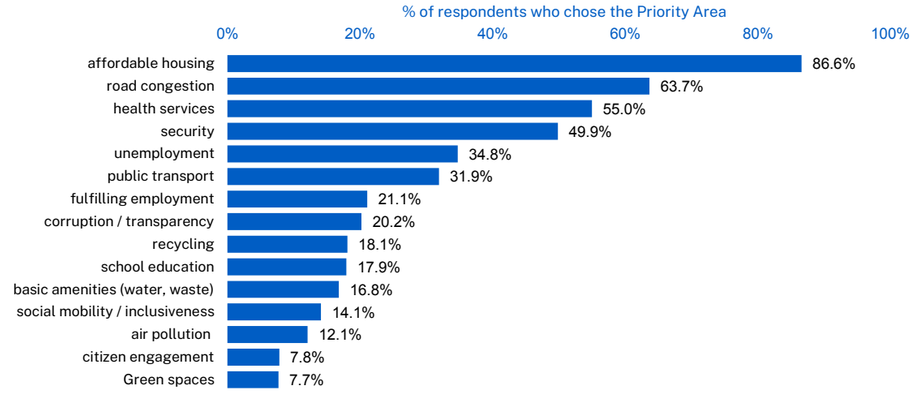


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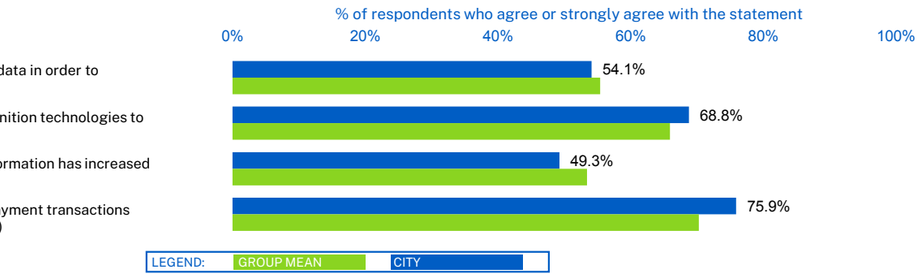
Country Australia	2019	2020	2021	2022	1 yr change
HDI	0.933	0.936	0.937	0.941	+0.004
Life expectancy at birth	83.1	84.3	84.5	83.6	-0.9
Expected years of schooling	21.4	20.9	21.1	21.1	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP $)	47,054	48,075	48,076	49,257	+1,181

PRIORITY AREAS

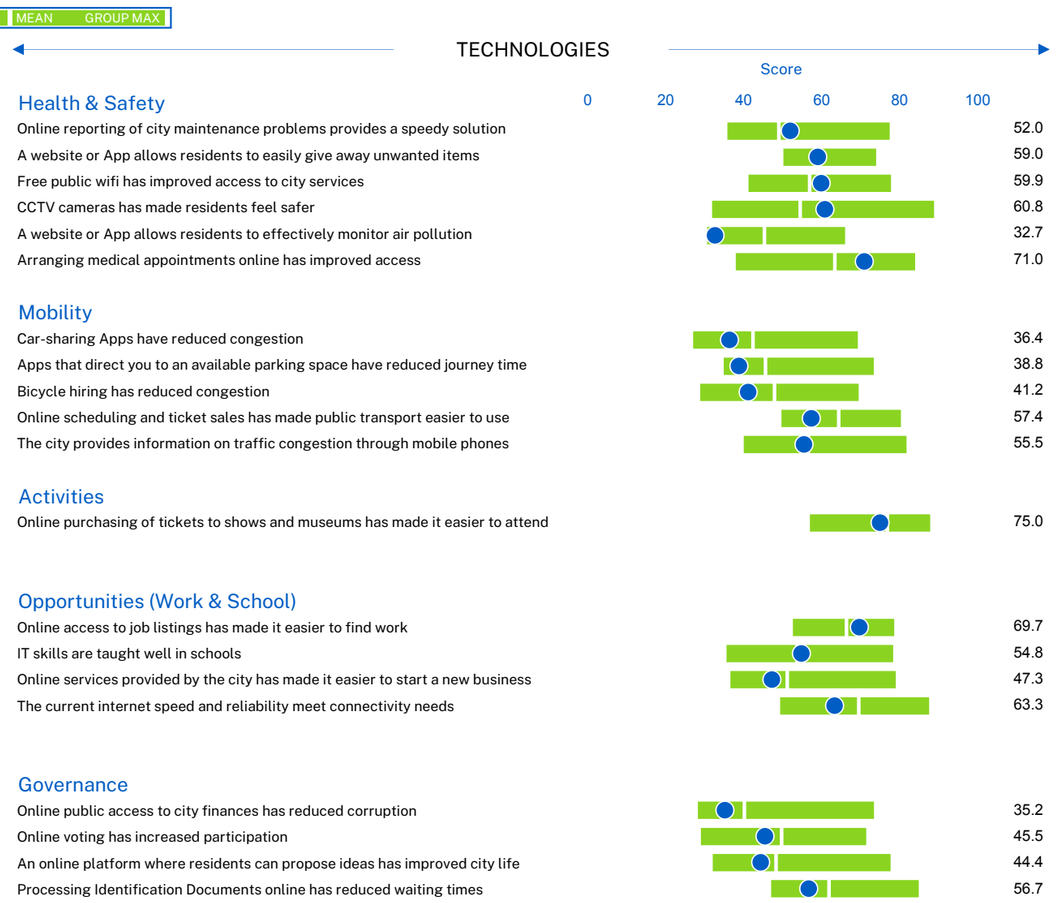
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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

1

GROUP

All ratings range from AAA to D

BACKGROUND INFORMATION

City

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

HDI 0.960
(Global Data Lab)



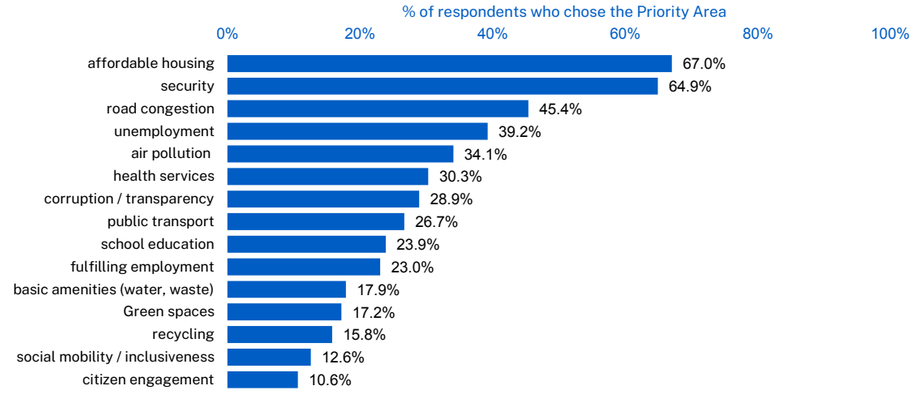
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Country

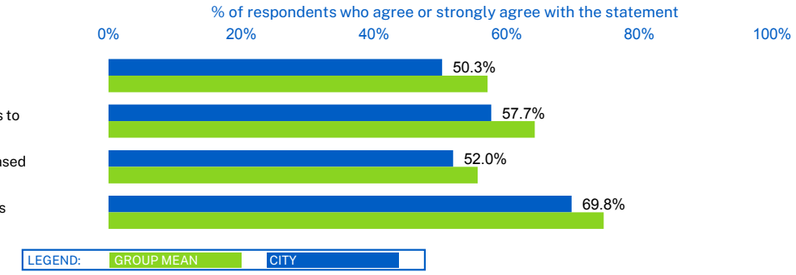
Belgium	2019	2020	2021	2022	1 yr change
HDI	0.924	0.927	0.931	0.933	+0.002
Life expectancy at birth	81.8	80.8	81.9	82.3	+0.4
Expected years of schooling	19.6	19.3	18.9	18.9	+0.0
Mean years of schooling	12.4	12.5	12.5	12.5	+0.0
GNI per capita (PPP $)	52,490	49,491	52,299	53,644	+1,345

PRIORITY AREAS

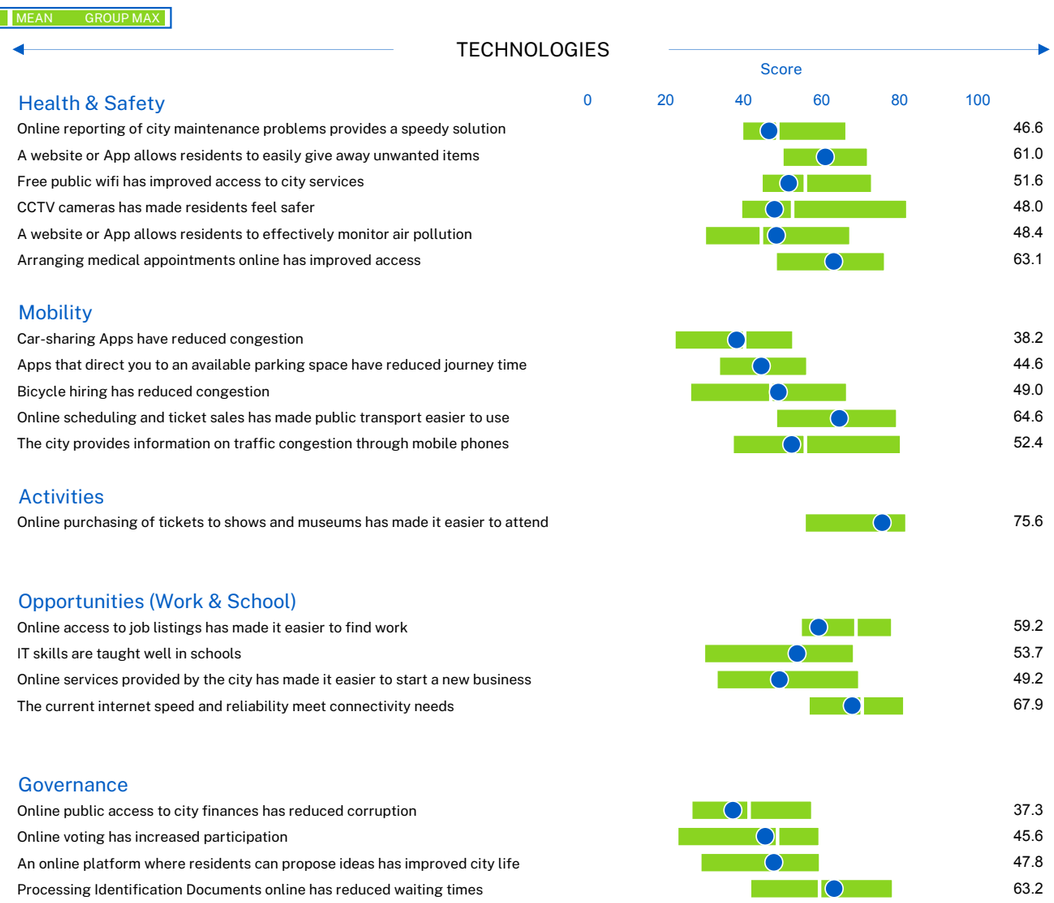
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)



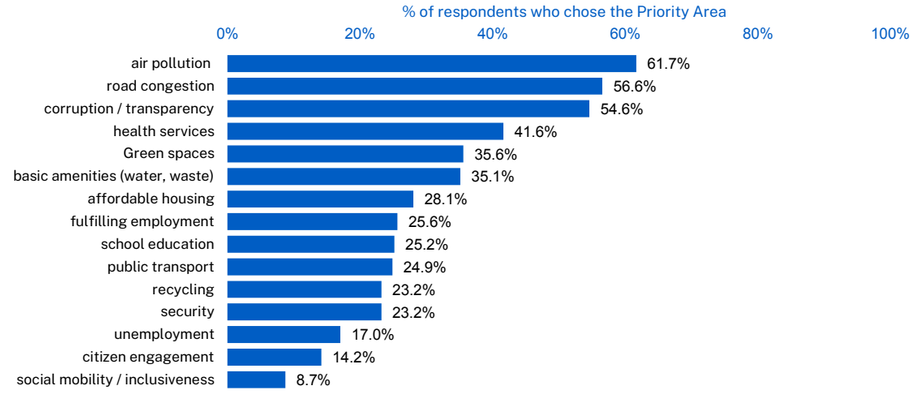
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Country

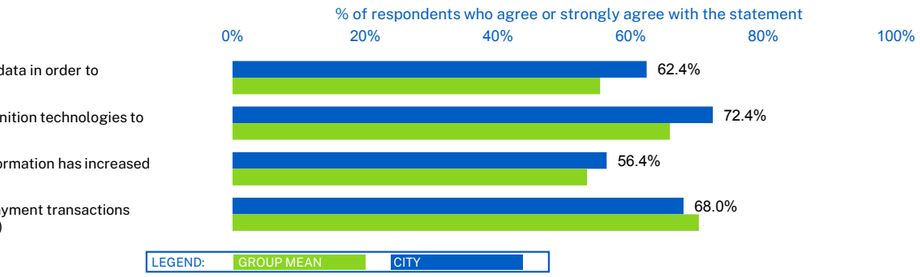
Romania	2019	2020	2021	2022	1 yr change
HDI	0.813	0.815	0.823	0.829	+0.006
Life expectancy at birth	76.5	75.3	74.2	74.1	-0.1
Expected years of schooling	14.4	14.5	14.5	14.5	+0.0
Mean years of schooling	11.3	11.4	11.4	11.4	+0.0
GNI per capita (PPP $)	29,569	28,603	30,312	31,641	+1,329

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





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)



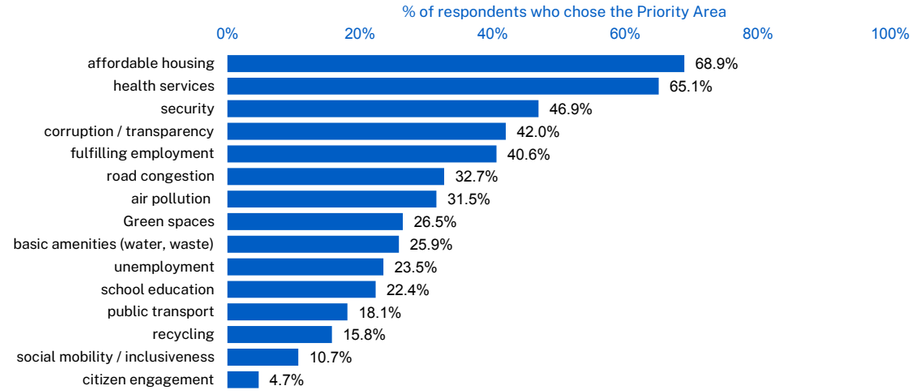
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Country

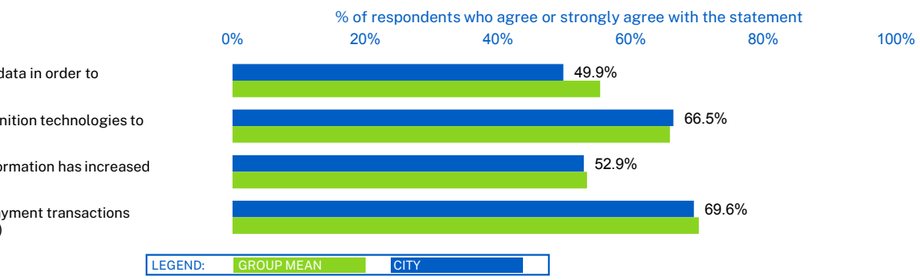
Hungary	2019	2020	2021	2022	1 yr change
HDI	0.839	0.843	0.846	0.850	+0.004
Life expectancy at birth	76.5	75.7	74.5	75.0	+0.4
Expected years of schooling	15.0	15.1	15.1	15.1	+0.0
Mean years of schooling	12.2	12.2	12.2	12.2	+0.0
GNI per capita (PPP $)	31,790	30,483	32,610	34,196	+1,586

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.



ATTITUDES





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)

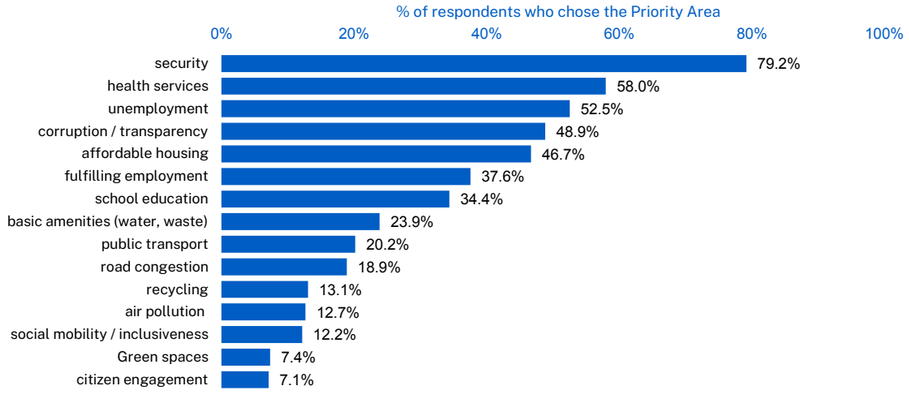


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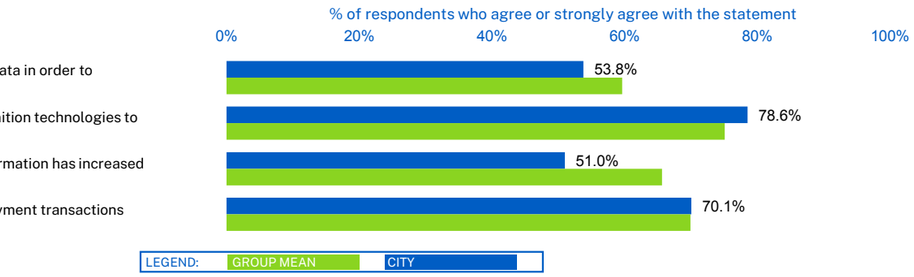
Country Argentina	2019	2020	2021	2022	1 yr change
HDI	0.850	0.848	0.853	0.852	-0.001
Life expectancy at birth	77.3	75.9	75.4	76.1	+0.7
Expected years of schooling	18.1	18.4	19.0	19.0	+0.0
Mean years of schooling	11.1	11.1	11.1	11.1	+0.0
GNI per capita (PPP $)	21,205	19,183	21,093	22,048	+954

PRIORITY AREAS

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	42.0
Recycling services are satisfactory	49.7
Public safety is not a problem	19.9
Air pollution is not a problem	29.1
Medical services provision is satisfactory	39.7
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	22.4

Mobility

Traffic congestion is not a problem	24.5
Public transport is satisfactory	43.4

Activities

Green spaces are satisfactory	71.1
Cultural activities (shows, bars, and museums) are satisfactory	76.3

Opportunities (Work & School)

Employment finding services are readily available	51.0
Most children have access to a good school	34.8
Lifelong learning opportunities are provided by local institutions	51.0
Businesses are creating new jobs	34.8
Minorities feel welcome	42.6

Governance

Information on local government decisions are easily accessible	51.2
Corruption of city officials is not an issue of concern	26.4
Residents contribute to decision making of local government	30.4
Residents provide feedback on local government projects	40.8

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	41.7
A website or App allows residents to easily give away unwanted items	44.3
Free public wifi has improved access to city services	44.1
CCTV cameras has made residents feel safer	45.9
A website or App allows residents to effectively monitor air pollution	25.5
Arranging medical appointments online has improved access	53.9

Mobility

Car-sharing Apps have reduced congestion	35.7
Apps that direct you to an available parking space have reduced journey time	39.0
Bicycle hiring has reduced congestion	48.4
Online scheduling and ticket sales has made public transport easier to use	53.1
The city provides information on traffic congestion through mobile phones	61.7

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	78.3

Opportunities (Work & School)

Online access to job listings has made it easier to find work	57.4
IT skills are taught well in schools	40.7
Online services provided by the city has made it easier to start a new business	46.4
The current internet speed and reliability meet connectivity needs	64.9

Governance

Online public access to city finances has reduced corruption	27.4
Online voting has increased participation	32.9
An online platform where residents can propose ideas has improved city life	39.7
Processing Identification Documents online has reduced waiting times	64.1

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)

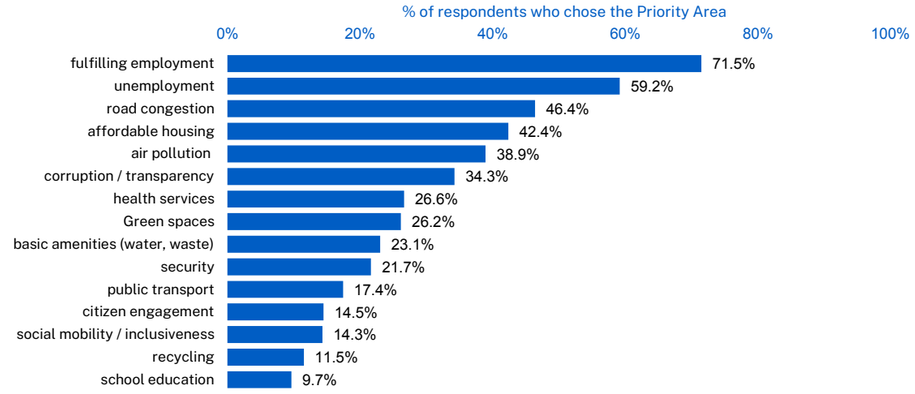


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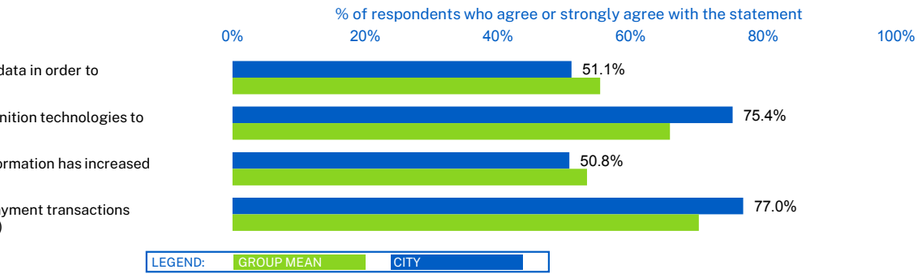
Country Korea (Republic of)	2019	2020	2021	2022	1 yr change
HDI	0.908	0.912	0.915	0.918	+0.003
Life expectancy at birth	83.7	83.6	83.7	84.0	+0.3
Expected years of schooling	16.4	16.4	16.5	16.5	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP $)	43,117	42,757	44,710	46,026	+1,317

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.



ATTITUDES





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)

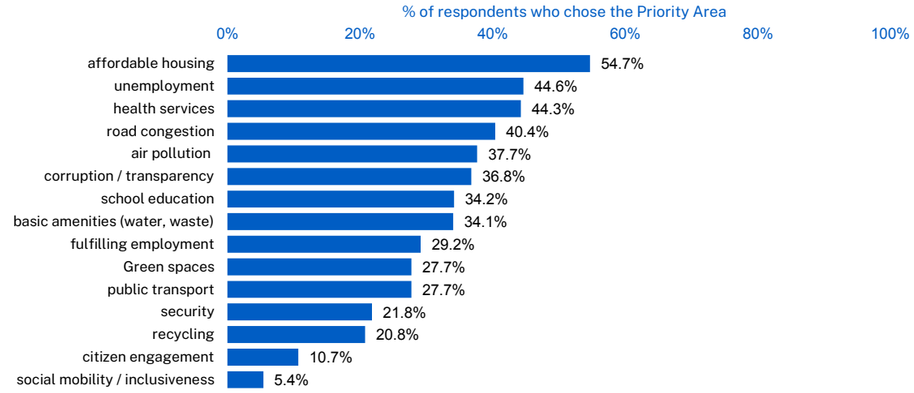


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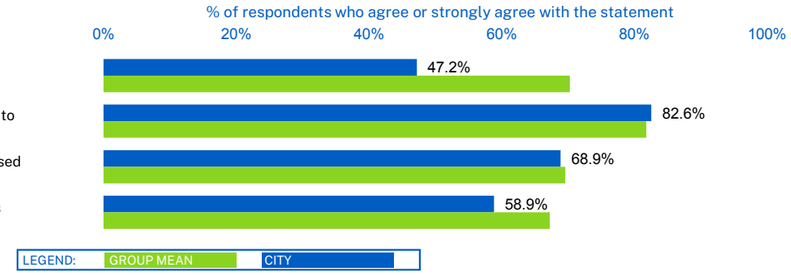
Country Egypt	2019	2020	2021	2022	1 yr change
HDI	0.695	0.702	0.709	0.717	+0.008
Life expectancy at birth	71.4	71.0	70.2	70.2	-0.1
Expected years of schooling	12.7	12.9	12.9	12.9	+0.0
Mean years of schooling	9.6	9.8	9.8	9.8	+0.0
GNI per capita (PPP $)	11,376	11,637	11,827	12,361	+534

PRIORITY AREAS

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





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)

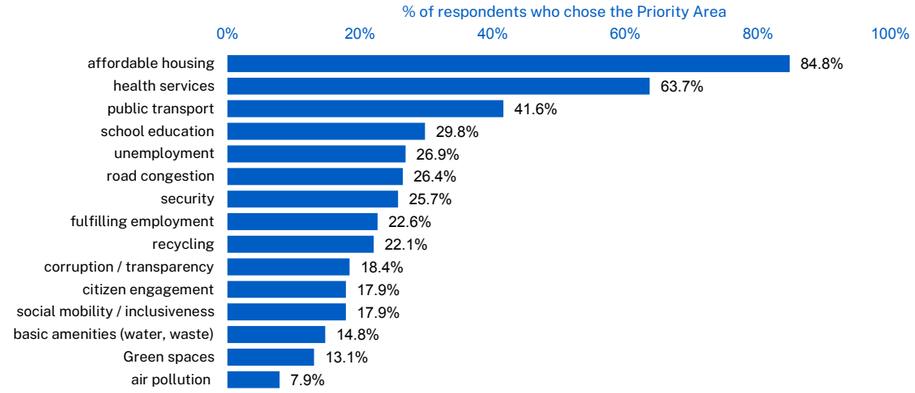


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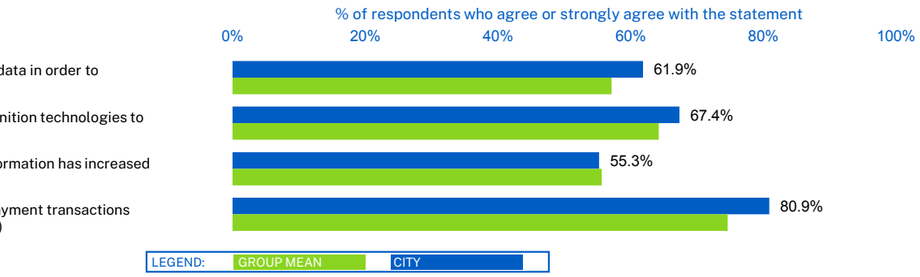
Country Australia	2019	2020	2021	2022	1 yr change
HDI	0.933	0.936	0.937	0.941	+0.004
Life expectancy at birth	83.1	84.3	84.5	83.6	-0.9
Expected years of schooling	21.4	20.9	21.1	21.1	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP $)	47,054	48,075	48,076	49,257	+1,181

PRIORITY AREAS

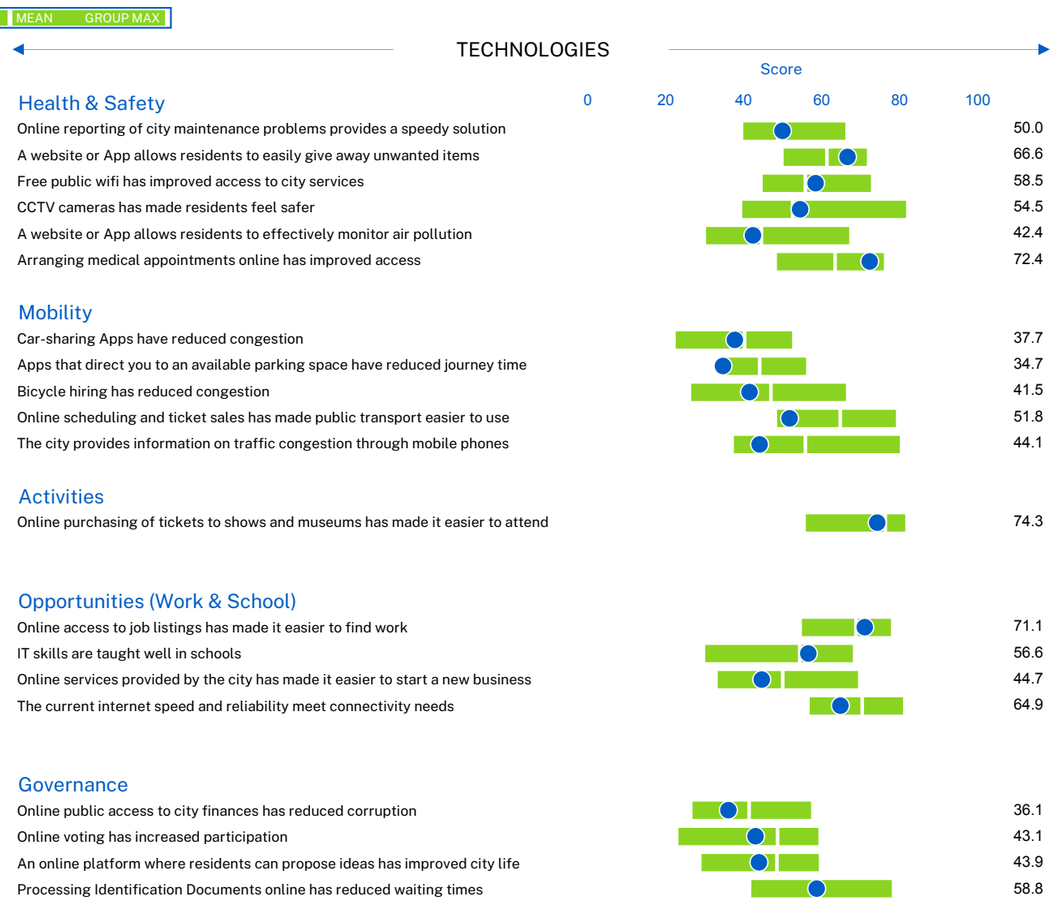
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)

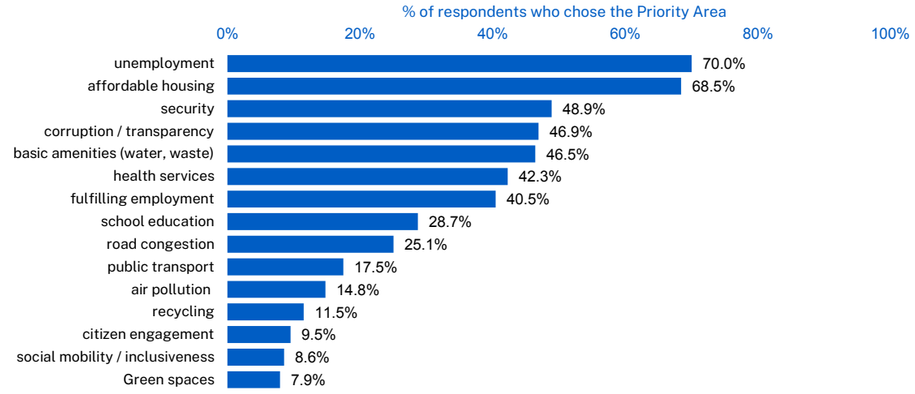


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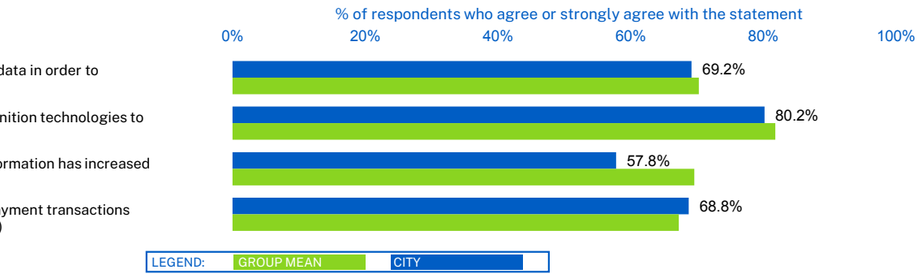
Country South Africa	2019	2020	2021	2022	1 yr change
HDI	0.721	0.711	0.725	0.731	+0.006
Life expectancy at birth	66.2	65.3	62.3	61.5	-0.9
Expected years of schooling	14.2	14.0	14.3	14.3	+0.0
Mean years of schooling	11.4	10.6	11.6	11.6	+0.0
GNI per capita (PPP $)	13,506	12,598	13,048	13,186	+138

PRIORITY AREAS

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	45.7
Recycling services are satisfactory	58.7
Public safety is not a problem	25.7
Air pollution is not a problem	33.1
Medical services provision is satisfactory	54.1
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	30.8

Mobility

Traffic congestion is not a problem	29.6
Public transport is satisfactory	48.3

Activities

Green spaces are satisfactory	65.6
Cultural activities (shows, bars, and museums) are satisfactory	78.4

Opportunities (Work & School)

Employment finding services are readily available	47.1
Most children have access to a good school	47.0
Lifelong learning opportunities are provided by local institutions	52.0
Businesses are creating new jobs	53.4
Minorities feel welcome	49.9

Governance

Information on local government decisions are easily accessible	56.8
Corruption of city officials is not an issue of concern	25.7
Residents contribute to decision making of local government	40.0
Residents provide feedback on local government projects	49.6

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	52.3
A website or App allows residents to easily give away unwanted items	53.0
Free public wifi has improved access to city services	58.9
CCTV cameras has made residents feel safer	52.6
A website or App allows residents to effectively monitor air pollution	33.7
Arranging medical appointments online has improved access	61.2

Mobility

Car-sharing Apps have reduced congestion	49.4
Apps that direct you to an available parking space have reduced journey time	43.7
Bicycle hiring has reduced congestion	40.7
Online scheduling and ticket sales has made public transport easier to use	60.5
The city provides information on traffic congestion through mobile phones	63.2

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	80.8

Opportunities (Work & School)

Online access to job listings has made it easier to find work	68.3
IT skills are taught well in schools	53.4
Online services provided by the city has made it easier to start a new business	55.3
The current internet speed and reliability meet connectivity needs	69.0

Governance

Online public access to city finances has reduced corruption	34.9
Online voting has increased participation	51.4
An online platform where residents can propose ideas has improved city life	50.7
Processing Identification Documents online has reduced waiting times	65.3

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)



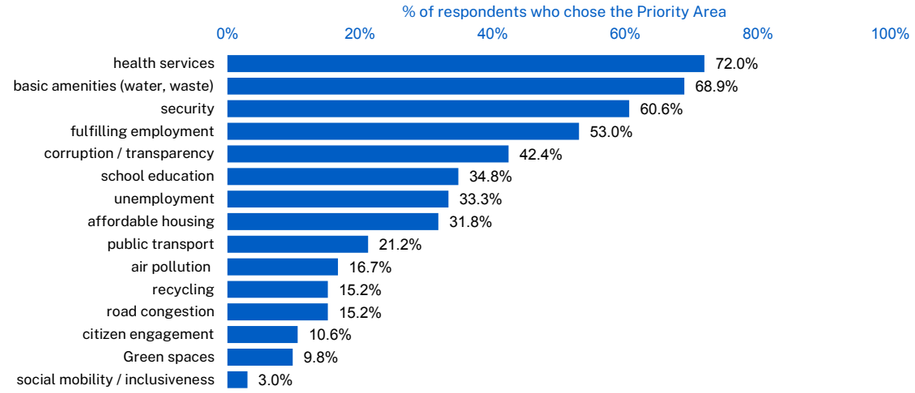
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Country

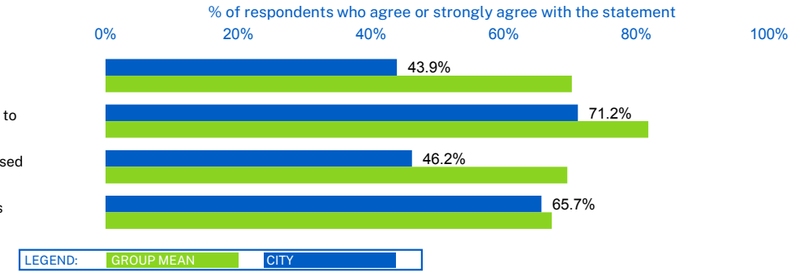
Venezuela (Bolivarian Republic of)	2019	2020	2021	2022	1 yr change
HDI	0.766	0.759	0.750	0.738	-0.012
Life expectancy at birth	72.2	71.1	70.6	71.1	+0.6
Expected years of schooling	13.6	13.5	13.5	13.5	+0.0
Mean years of schooling	9.9	9.6	9.6	9.6	+0.0
GNI per capita (PPP $)	7,837	5,460	5,587	6,184	+597

PRIORITY AREAS

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	29.9
Recycling services are satisfactory	34.2
Public safety is not a problem	35.0
Air pollution is not a problem	38.9
Medical services provision is satisfactory	33.2
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	20.1

Mobility

Traffic congestion is not a problem	36.6
Public transport is satisfactory	41.5

Activities

Green spaces are satisfactory	73.9
Cultural activities (shows, bars, and museums) are satisfactory	74.6

Opportunities (Work & School)

Employment finding services are readily available	49.7
Most children have access to a good school	35.0
Lifelong learning opportunities are provided by local institutions	49.4
Businesses are creating new jobs	40.9
Minorities feel welcome	39.5

Governance

Information on local government decisions are easily accessible	35.7
Corruption of city officials is not an issue of concern	26.9
Residents contribute to decision making of local government	26.4
Residents provide feedback on local government projects	36.4

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	37.1
A website or App allows residents to easily give away unwanted items	34.3
Free public wifi has improved access to city services	41.9
CCTV cameras has made residents feel safer	40.2
A website or App allows residents to effectively monitor air pollution	23.2
Arranging medical appointments online has improved access	49.5

Mobility

Car-sharing Apps have reduced congestion	35.6
Apps that direct you to an available parking space have reduced journey time	40.2
Bicycle hiring has reduced congestion	22.5
Online scheduling and ticket sales has made public transport easier to use	40.8
The city provides information on traffic congestion through mobile phones	49.0

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	71.5

Opportunities (Work & School)

Online access to job listings has made it easier to find work	58.6
IT skills are taught well in schools	37.8
Online services provided by the city has made it easier to start a new business	51.0
The current internet speed and reliability meet connectivity needs	56.9

Governance

Online public access to city finances has reduced corruption	21.8
Online voting has increased participation	25.4
An online platform where residents can propose ideas has improved city life	39.5
Processing Identification Documents online has reduced waiting times	56.7

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)



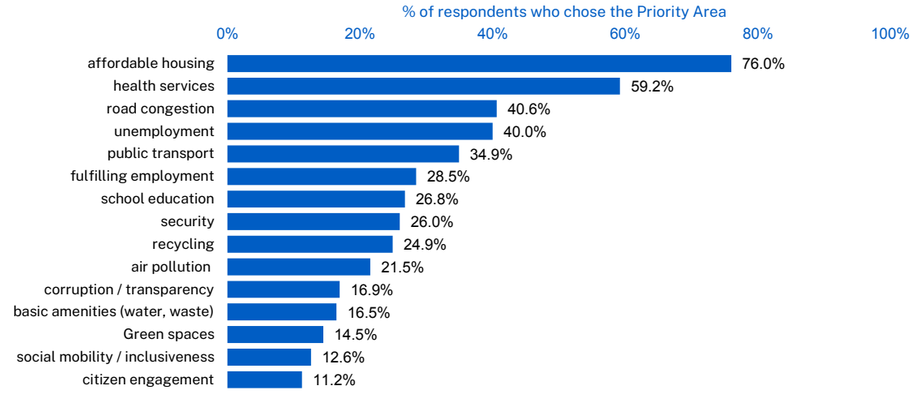
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Country

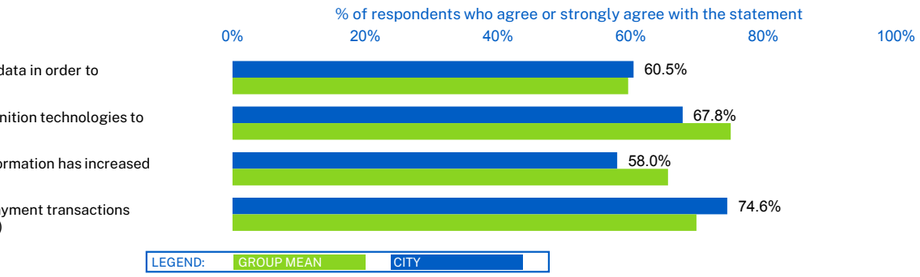
United Kingdom	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	47,066	40,799	44,750	46,624	+1,874

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





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)



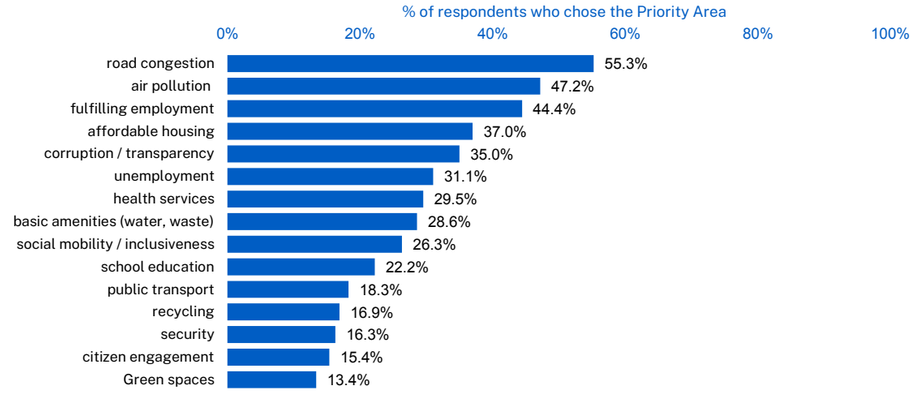
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

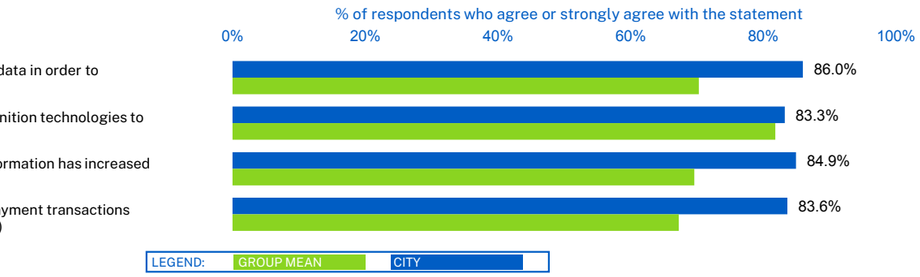
China	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP $)	15,934	16,168	17,499	18,025	+526

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





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)



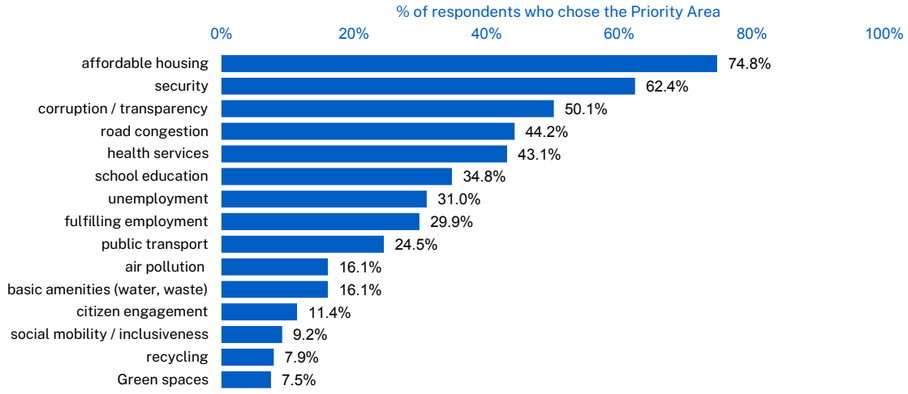
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

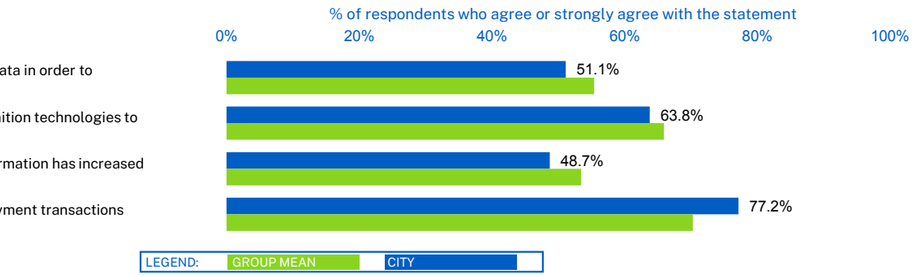
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

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.



ATTITUDES





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)



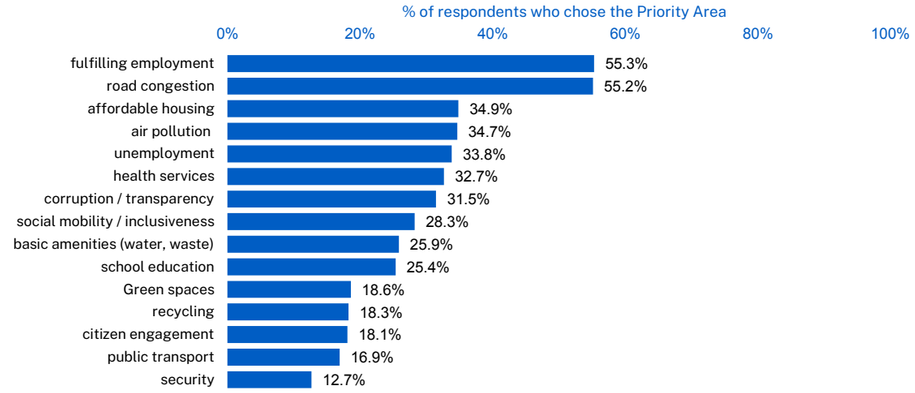
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

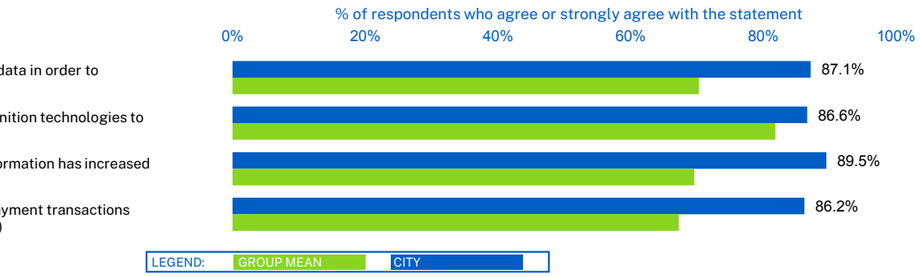
China	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP $)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

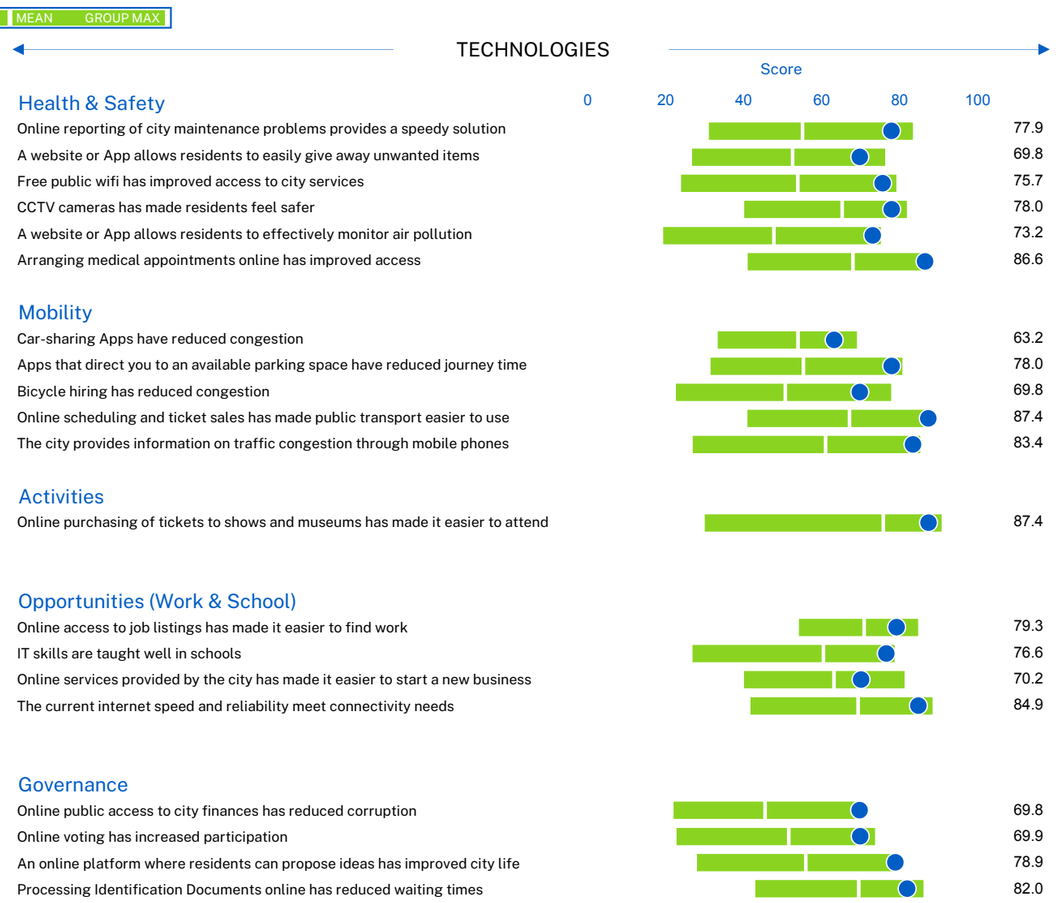
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)



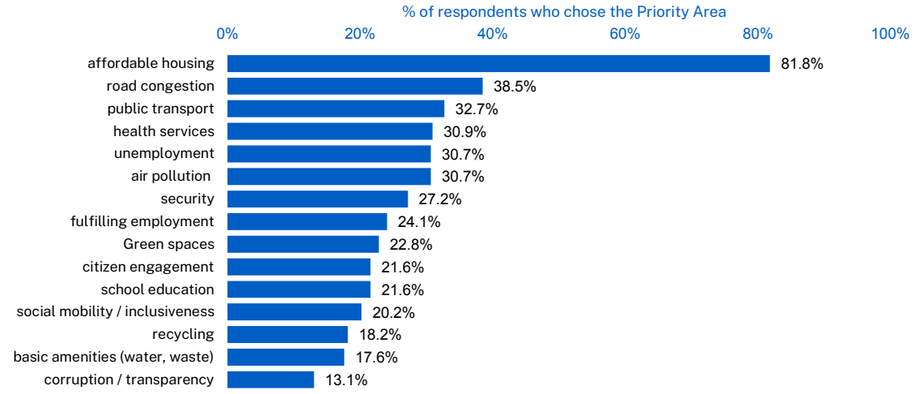
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

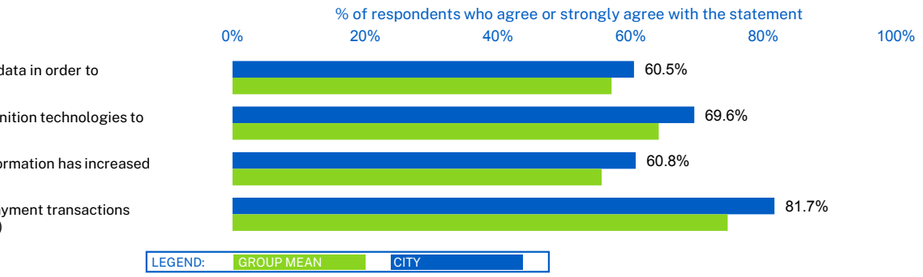
Denmark	2019	2020	2021	2022	1 yr change
HDI	0.936	0.943	0.944	0.942	-0.002
Life expectancy at birth	81.4	81.5	81.4	81.9	+0.5
Expected years of schooling	18.6	18.6	18.8	18.8	+0.0
Mean years of schooling	12.9	13.0	13.0	13.0	+0.0
GNI per capita (PPP $)	58,454	57,324	59,993	62,019	+2,026

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





Delhi

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)



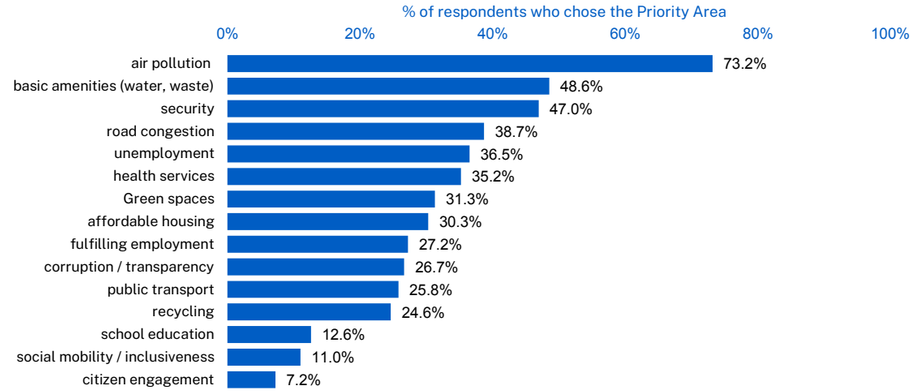
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Country

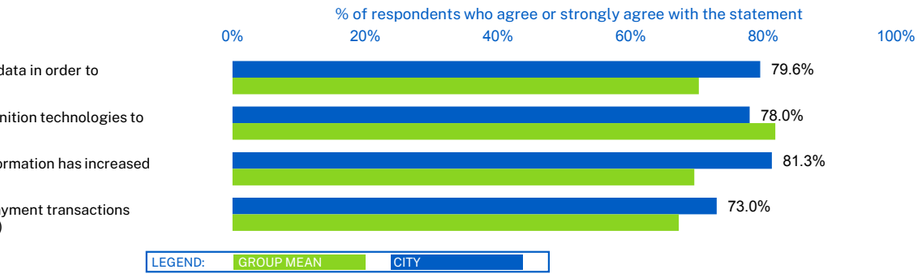
India	2019	2020	2021	2022	1 yr change
HDI	0.619	0.630	0.636	0.636	+0.000
Life expectancy at birth	70.9	70.2	67.2	67.7	+0.5
Expected years of schooling	11.4	11.7	12.0	12.6	+0.6
Mean years of schooling	6.3	6.5	6.5	6.6	+0.0
GNI per capita (PPP $)	6,554	6,090	6,542	6,951	+408

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





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)



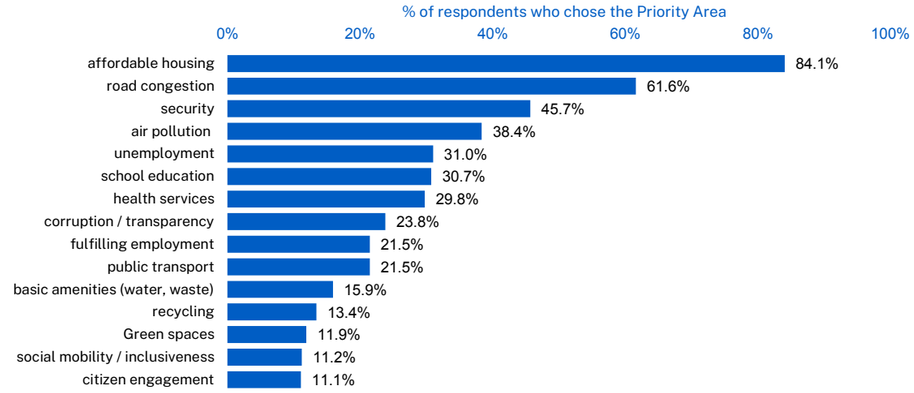
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Country

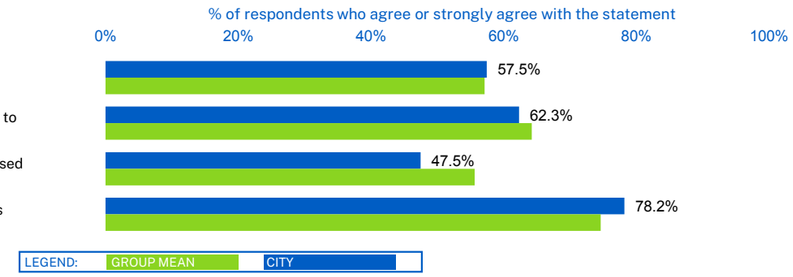
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

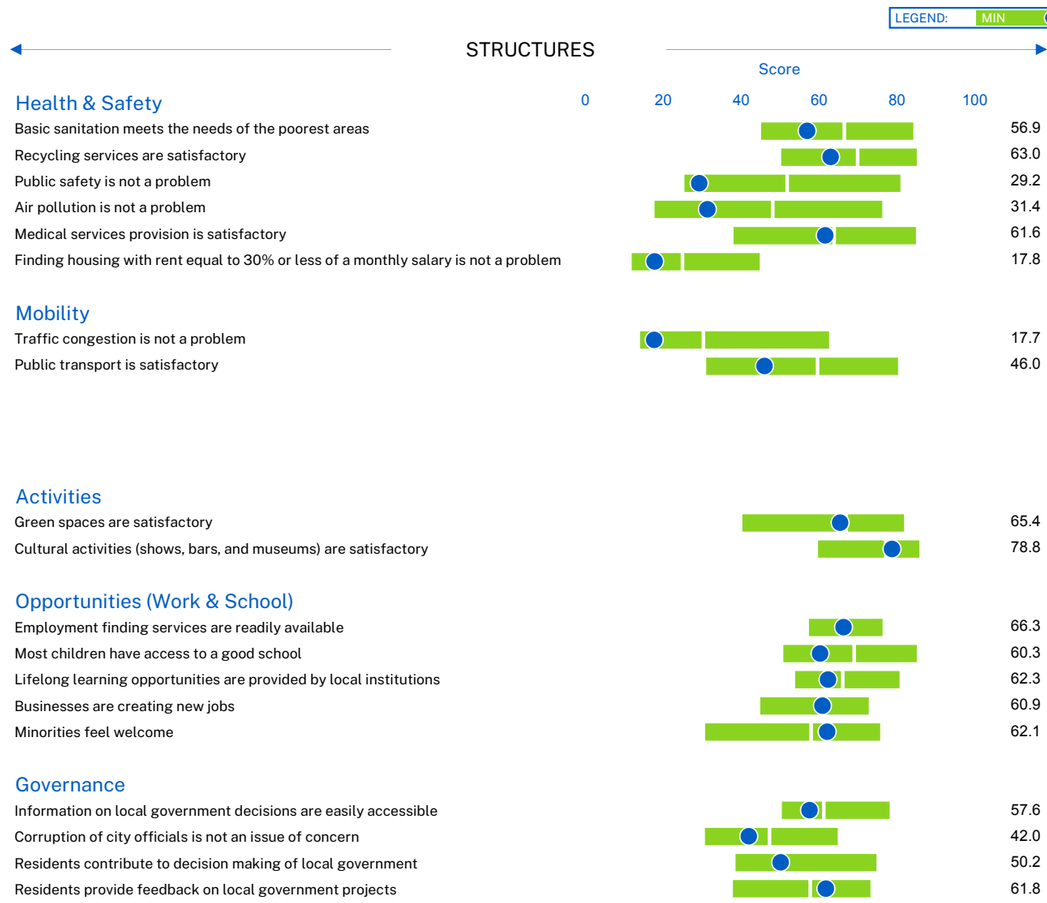
PRIORITY AREAS

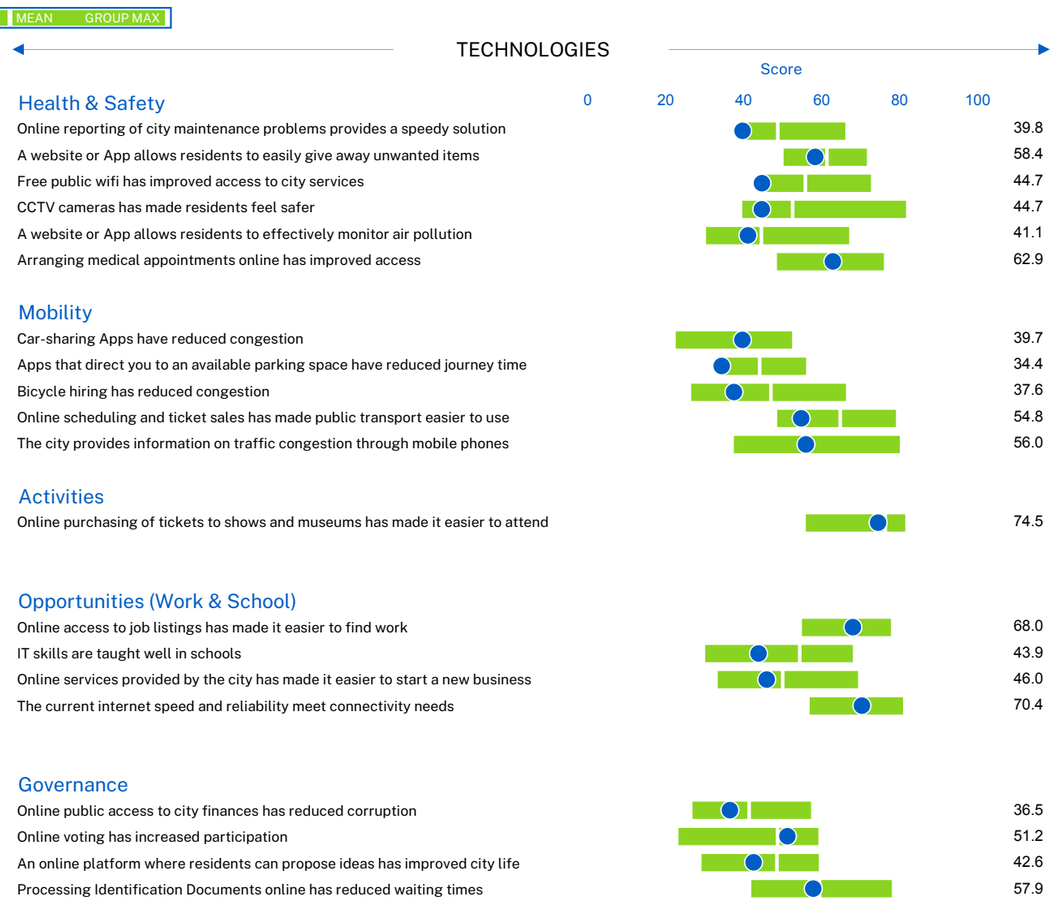
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)



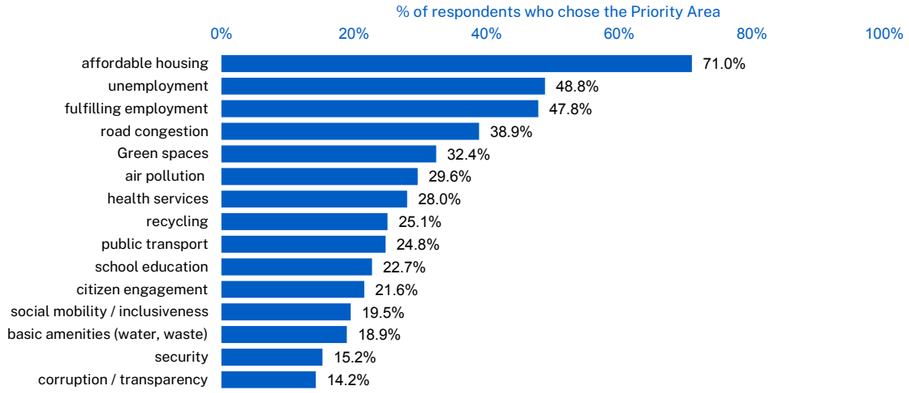
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Country

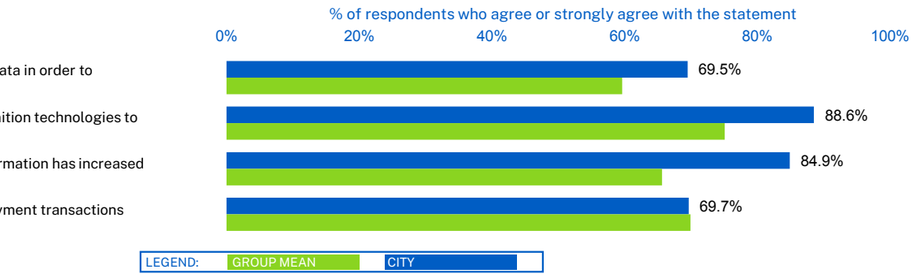
Qatar	2019	2020	2021	2022	1 yr change
HDI	0.852	0.853	0.862	0.866	+0.004
Life expectancy at birth	81.0	79.1	79.3	81.6	+2.3
Expected years of schooling	13.2	13.3	13.3	13.3	+0.0
Mean years of schooling	10.0	10.1	10.1	10.1	+0.0
GNI per capita (PPP $)	88,647	87,385	91,760	95,944	+4,184

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





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)

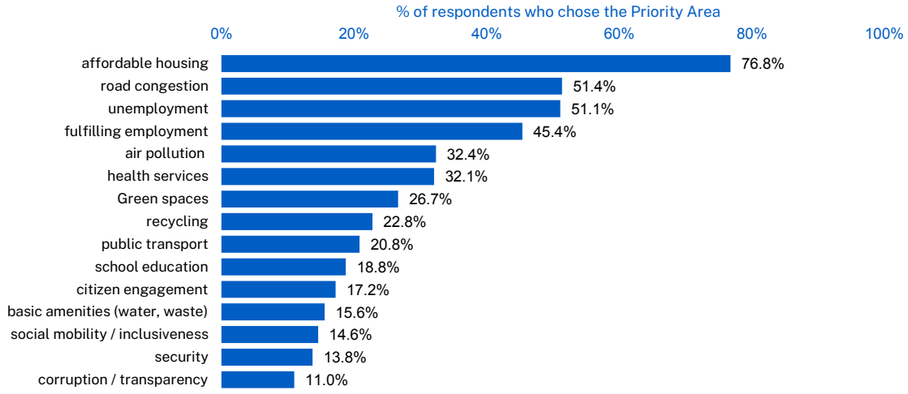


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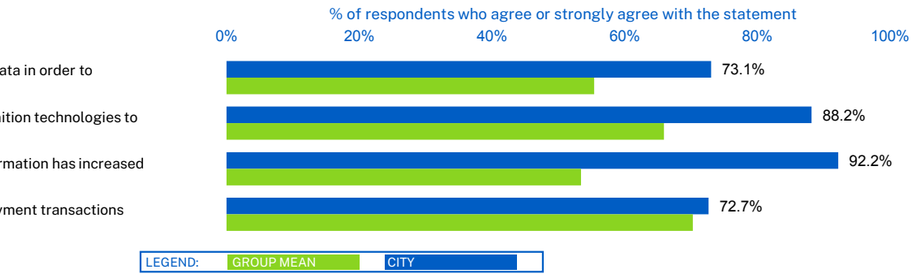
Country United Arab Emirates	2019	2020	2021	2022	1 yr change
HDI	0.860	0.866	0.898	0.917	+0.019
Life expectancy at birth	79.7	78.9	78.7	79.2	+0.5
Expected years of schooling	16.8	17.2	17.2	17.2	+0.0
Mean years of schooling	12.7	12.7	12.8	12.8	+0.0
GNI per capita (PPP $)	72,131	67,353	69,550	74,104	+4,553

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas	80.9
Recycling services are satisfactory	84.3
Public safety is not a problem	66.2
Air pollution is not a problem	46.8
Medical services provision is satisfactory	82.8
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	45.8

Mobility

Traffic congestion is not a problem	34.7
Public transport is satisfactory	79.1

Activities

Green spaces are satisfactory	83.4
Cultural activities (shows, bars, and museums) are satisfactory	86.5

Opportunities (Work & School)

Employment finding services are readily available	63.7
Most children have access to a good school	75.7
Lifelong learning opportunities are provided by local institutions	70.1
Businesses are creating new jobs	74.1
Minorities feel welcome	80.6

Governance

Information on local government decisions are easily accessible	86.8
Corruption of city officials is not an issue of concern	67.3
Residents contribute to decision making of local government	63.0
Residents provide feedback on local government projects	70.9

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	78.0
A website or App allows residents to easily give away unwanted items	74.5
Free public wifi has improved access to city services	78.3
CCTV cameras has made residents feel safer	89.3
A website or App allows residents to effectively monitor air pollution	60.5
Arranging medical appointments online has improved access	84.5

Mobility

Car-sharing Apps have reduced congestion	69.7
Apps that direct you to an available parking space have reduced journey time	73.8
Bicycle hiring has reduced congestion	70.0
Online scheduling and ticket sales has made public transport easier to use	80.8
The city provides information on traffic congestion through mobile phones	81.2

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	88.3

Opportunities (Work & School)

Online access to job listings has made it easier to find work	77.5
IT skills are taught well in schools	76.8
Online services provided by the city has made it easier to start a new business	79.5
The current internet speed and reliability meet connectivity needs	86.5

Governance

Online public access to city finances has reduced corruption	73.5
Online voting has increased participation	68.3
An online platform where residents can propose ideas has improved city life	75.0
Processing Identification Documents online has reduced waiting times	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)



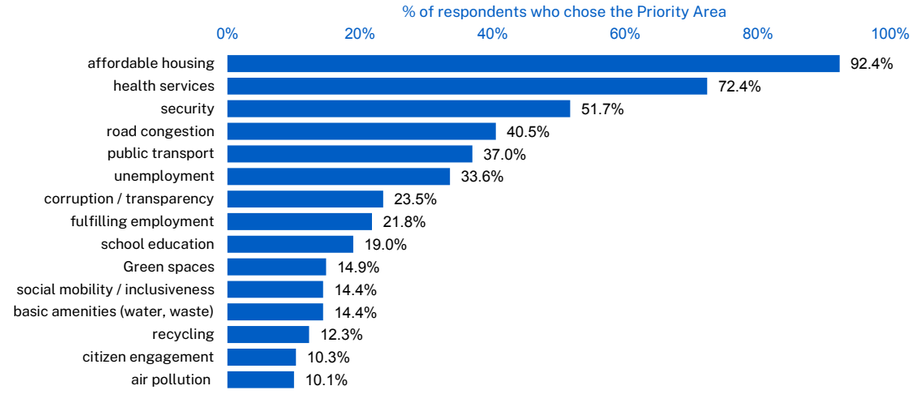
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Country

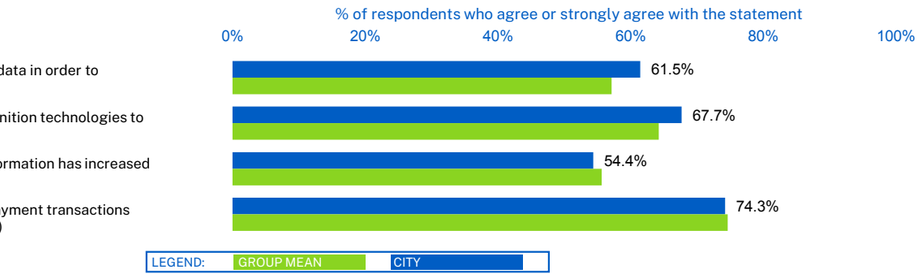
Ireland	2019	2020	2021	2022	1 yr change
HDI	0.924	0.929	0.934	0.938	+0.004
Life expectancy at birth	82.3	82.5	82.0	82.7	+0.7
Expected years of schooling	18.9	18.8	19.1	19.1	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP $)	67,652	69,109	78,953	87,468	+8,515

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





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)



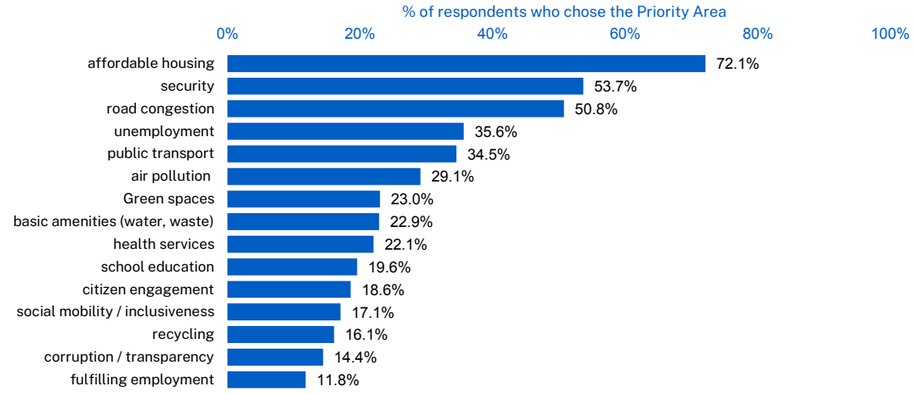
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Country

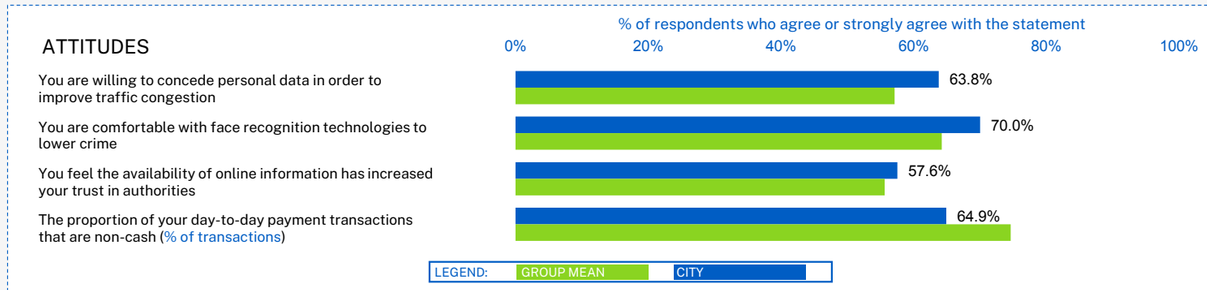
Germany	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP $)	55,685	53,375	55,057	55,340	+284

PRIORITY AREAS

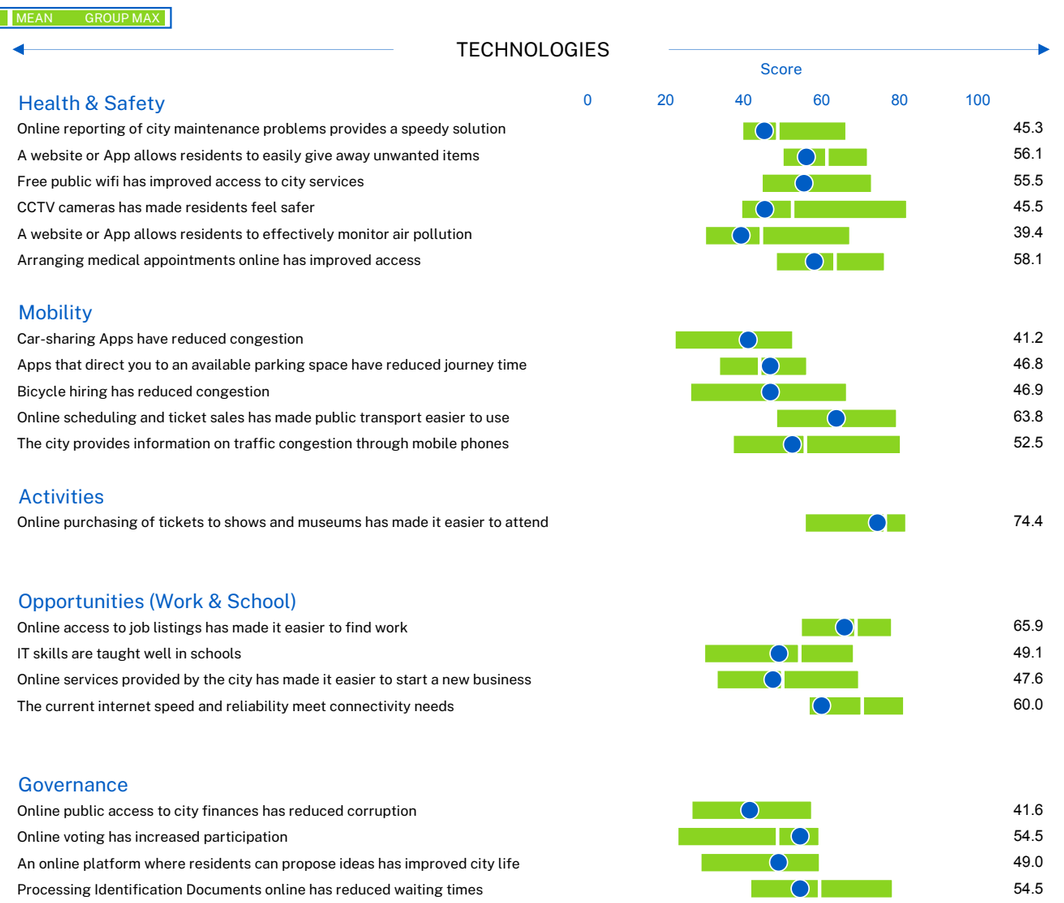
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)

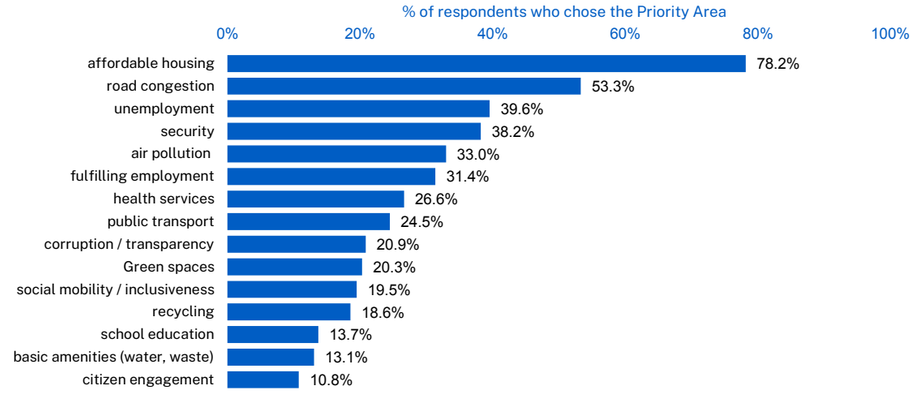


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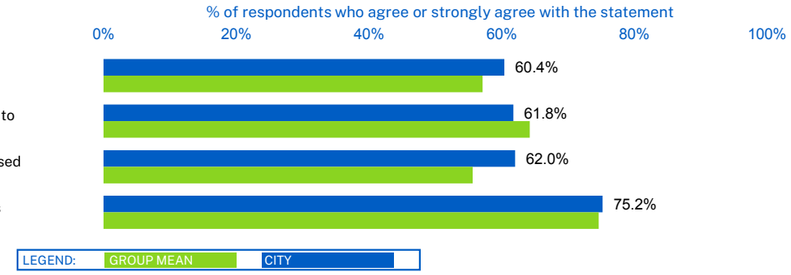
Country Switzerland	2019	2020	2021	2022	1 yr change
HDI	0.952	0.954	0.955	0.957	+0.002
Life expectancy at birth	83.8	83.1	84.0	84.3	+0.3
Expected years of schooling	16.3	16.4	16.6	16.6	+0.0
Mean years of schooling	13.9	13.9	13.9	13.9	+0.0
GNI per capita (PPP $)	67,531	66,267	68,550	69,433	+882

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





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)



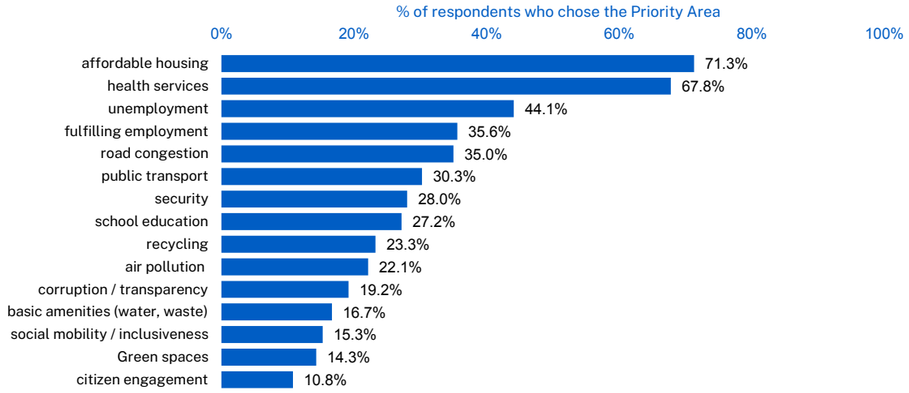
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

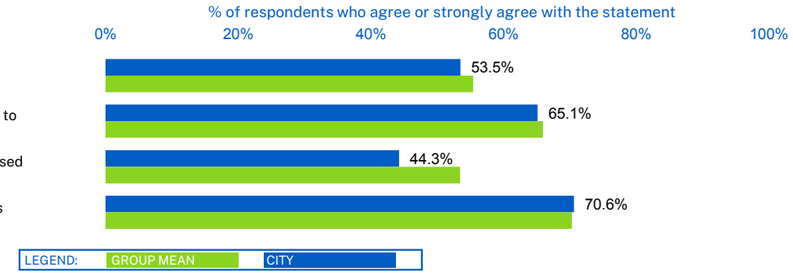
United Kingdom	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	47,066	40,799	44,750	46,624	+1,874

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





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)



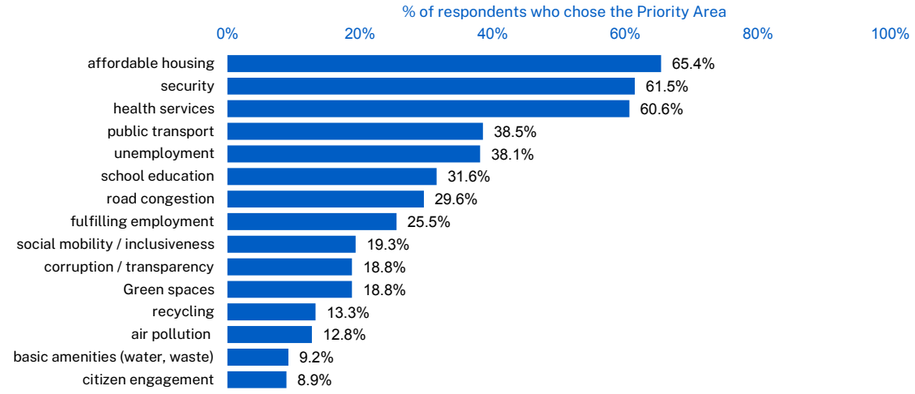
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Country Sweden

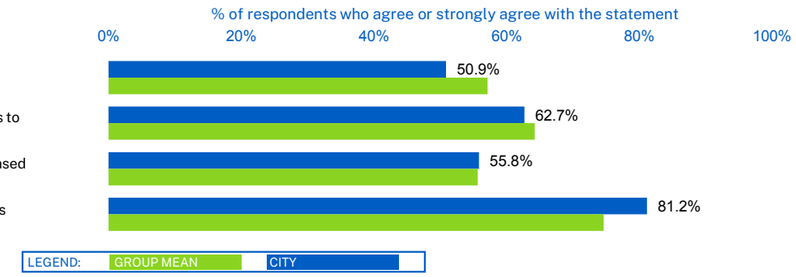
	2019	2020	2021	2022	1 yr change
HDI	0.937	0.939	0.941	0.943	+0.002
Life expectancy at birth	83.1	82.4	83.0	83.5	+0.5
Expected years of schooling	18.5	18.7	19.0	19.0	+0.0
Mean years of schooling	12.6	12.7	12.7	12.7	+0.0
GNI per capita (PPP $)	54,441	53,195	55,908	56,996	+1,088

PRIORITY AREAS

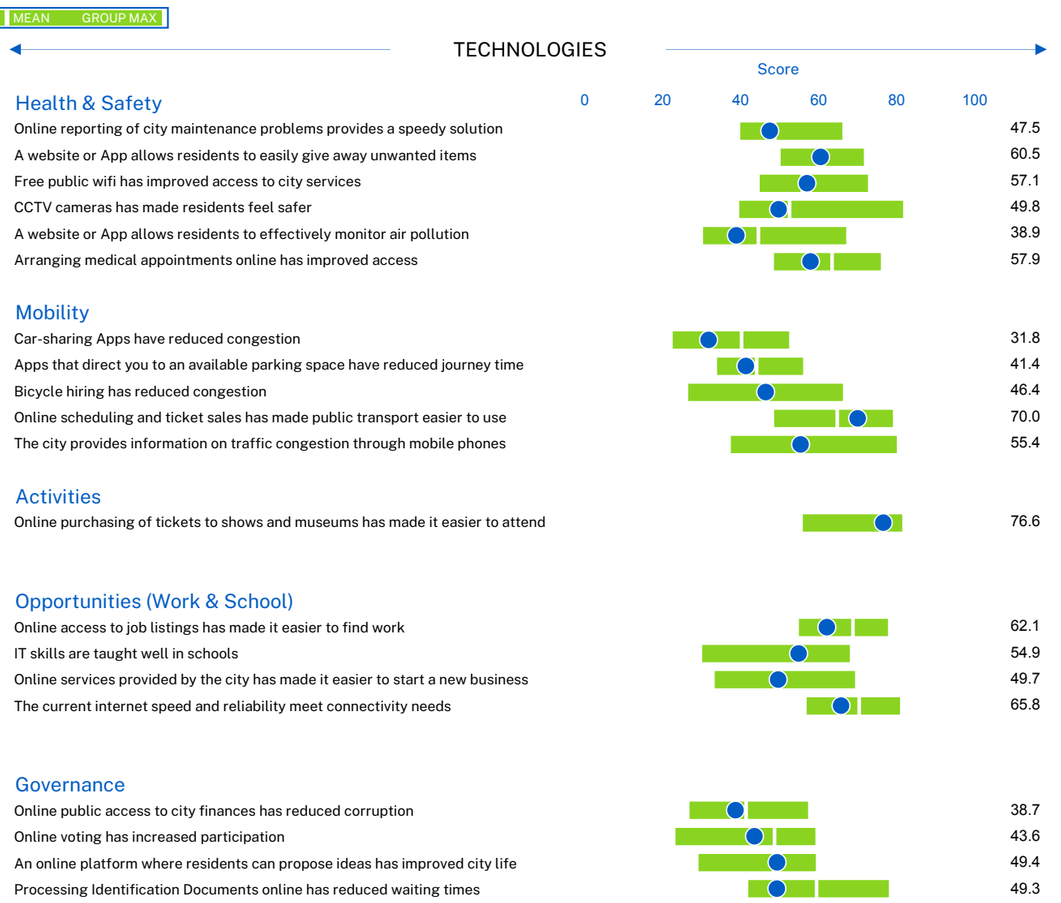
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)



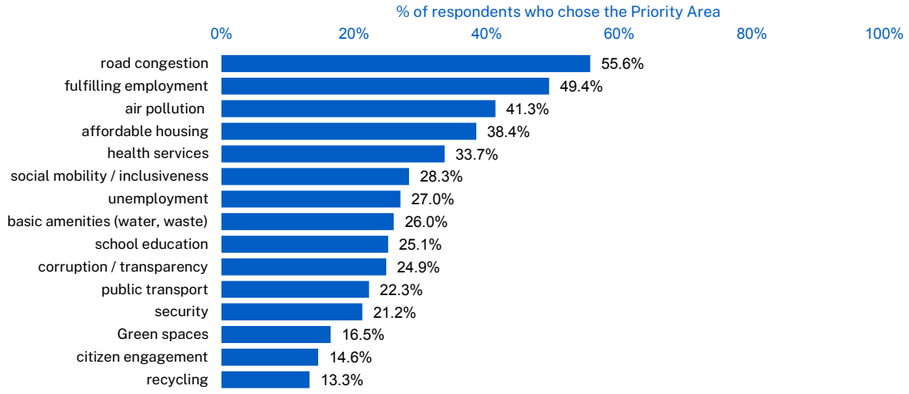
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

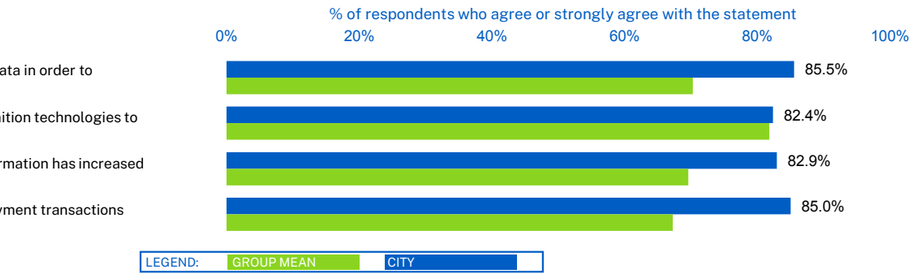
China	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP $)	15,934	16,168	17,499	18,025	+526

PRIORITY AREAS

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





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)

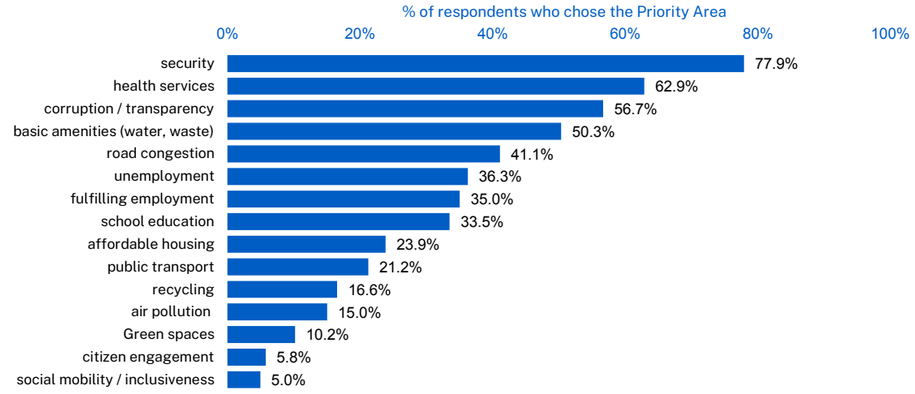


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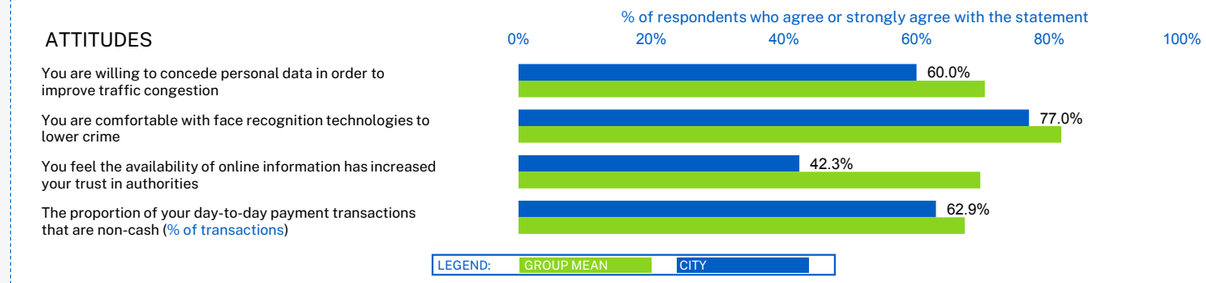
Country Guatemala	2019	2020	2021	2022	1 yr change
HDI	0.629	0.633	0.636	0.640	+0.004
Life expectancy at birth	73.1	71.8	69.2	68.7	-0.6
Expected years of schooling	10.8	10.8	10.8	10.8	+0.0
Mean years of schooling	5.7	5.7	5.7	5.7	+0.0
GNI per capita (PPP $)	8,514	8,240	8,716	8,996	+280

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





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)

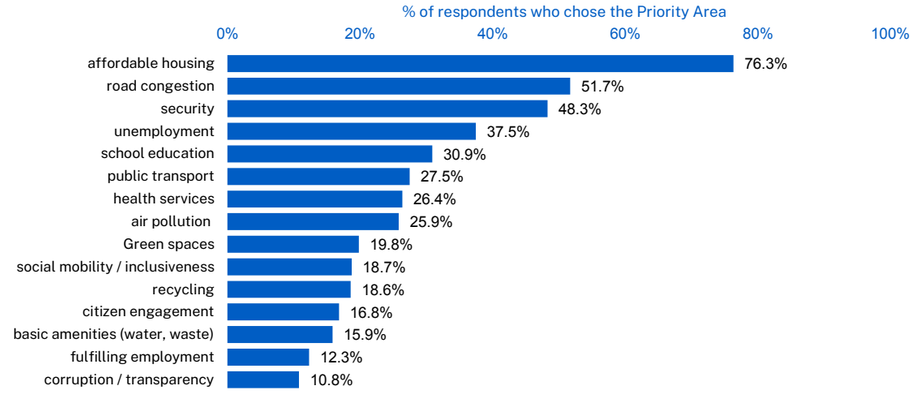


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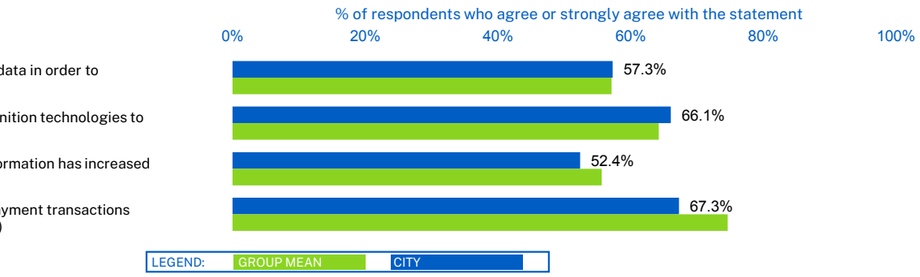
Country Germany	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP $)	55,685	53,375	55,057	55,340	+284

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





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)



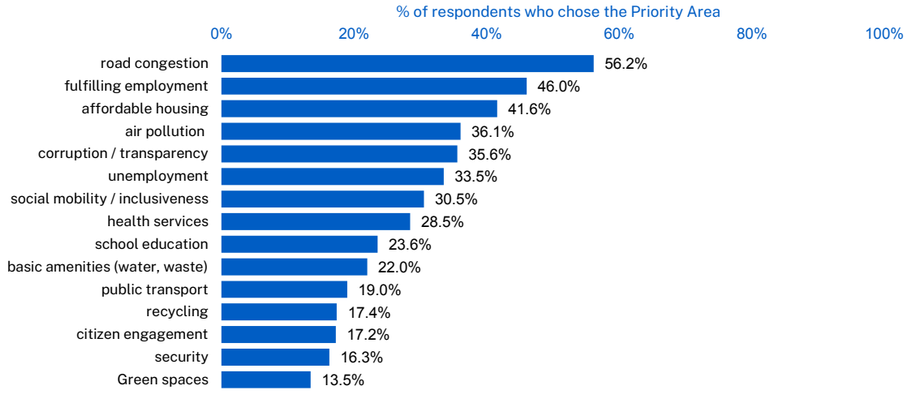
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

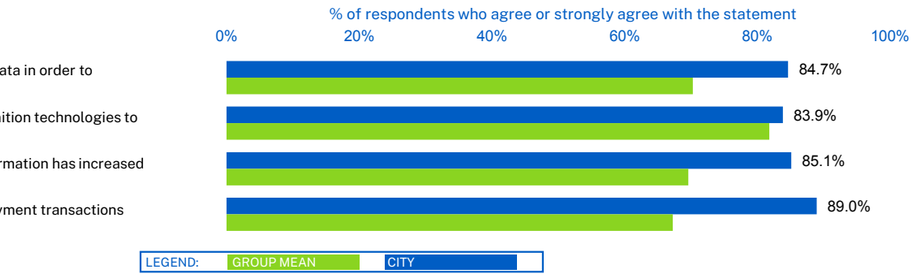
China	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP $)	15,934	16,168	17,499	18,025	+526

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





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)



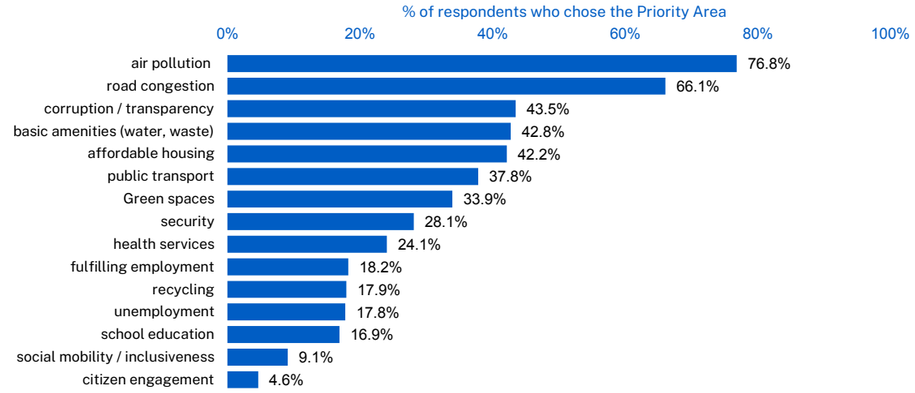
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Country

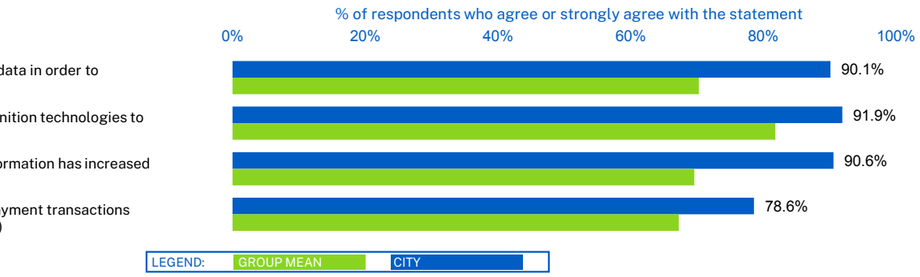
Viet Nam	2019	2020	2021	2022	1 yr change
HDI	0.697	0.702	0.706	0.711	+0.005
Life expectancy at birth	74.1	75.4	73.6	74.6	+1.0
Expected years of schooling	13.0	13.1	13.1	13.1	+0.0
Mean years of schooling	8.4	8.5	8.5	8.5	+0.0
GNI per capita (PPP $)	9,734	10,005	10,085	10,814	+729

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas	74.8
Recycling services are satisfactory	66.4
Public safety is not a problem	82.0
Air pollution is not a problem	24.5
Medical services provision is satisfactory	75.5
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	51.1

Mobility

Traffic congestion is not a problem	20.6
Public transport is satisfactory	52.1

Activities

Green spaces are satisfactory	66.4
Cultural activities (shows, bars, and museums) are satisfactory	79.7

Opportunities (Work & School)

Employment finding services are readily available	78.5
Most children have access to a good school	81.1
Lifelong learning opportunities are provided by local institutions	73.1
Businesses are creating new jobs	82.1
Minorities feel welcome	73.8

Governance

Information on local government decisions are easily accessible	79.1
Corruption of city officials is not an issue of concern	35.8
Residents contribute to decision making of local government	71.1
Residents provide feedback on local government projects	73.8

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	71.2
A website or App allows residents to easily give away unwanted items	65.7
Free public wifi has improved access to city services	69.0
CCTV cameras has made residents feel safer	78.3
A website or App allows residents to effectively monitor air pollution	66.8
Arranging medical appointments online has improved access	82.9

Mobility

Car-sharing Apps have reduced congestion	68.0
Apps that direct you to an available parking space have reduced journey time	73.5
Bicycle hiring has reduced congestion	67.1
Online scheduling and ticket sales has made public transport easier to use	76.5
The city provides information on traffic congestion through mobile phones	65.0

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	84.8

Opportunities (Work & School)

Online access to job listings has made it easier to find work	81.4
IT skills are taught well in schools	79.2
Online services provided by the city has made it easier to start a new business	78.4
The current internet speed and reliability meet connectivity needs	84.6

Governance

Online public access to city finances has reduced corruption	62.8
Online voting has increased participation	70.4
An online platform where residents can propose ideas has improved city life	74.8
Processing Identification Documents online has reduced waiting times	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)

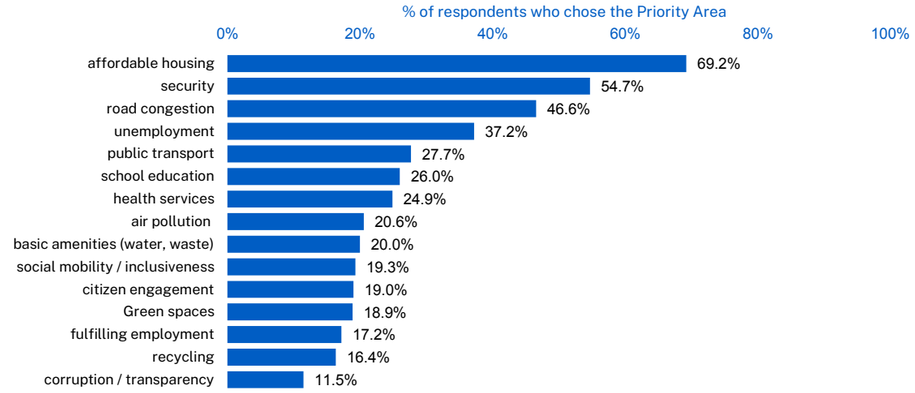


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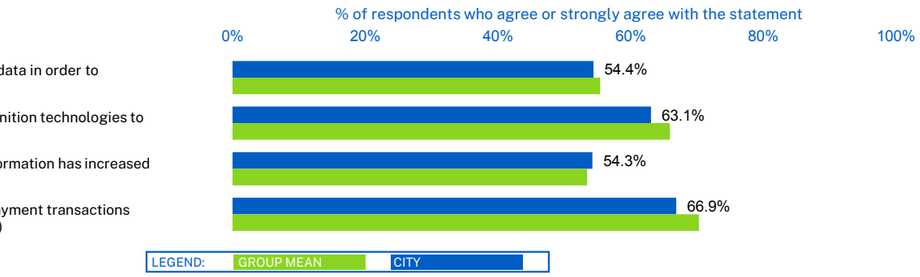
Country Germany	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP $)	55,685	53,375	55,057	55,340	+284

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





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)

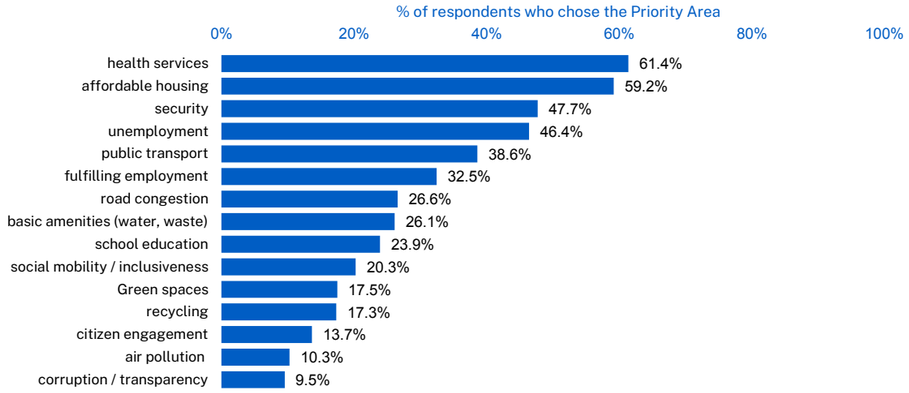


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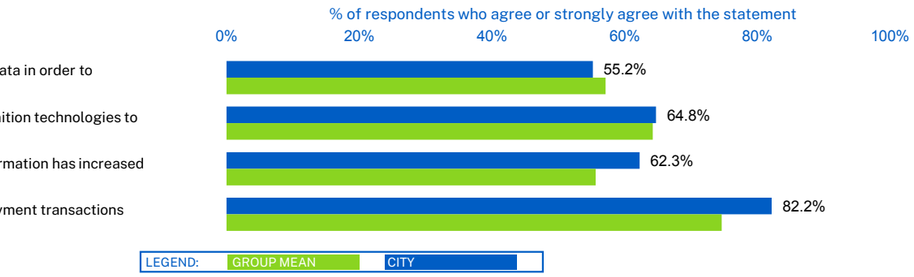
Country Finland	2019	2020	2021	2022	1 yr change
HDI	0.930	0.931	0.934	0.936	+0.002
Life expectancy at birth	81.9	81.9	82.0	82.4	+0.3
Expected years of schooling	19.0	19.0	19.2	19.2	+0.0
Mean years of schooling	12.9	12.9	12.9	12.9	+0.0
GNI per capita (PPP $)	48,829	48,176	49,481	49,522	+42

PRIORITY AREAS

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas	70.5
Recycling services are satisfactory	77.1
Public safety is not a problem	54.6
Air pollution is not a problem	65.3
Medical services provision is satisfactory	58.1
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	35.4

Mobility

Traffic congestion is not a problem	47.0
Public transport is satisfactory	75.4

Activities

Green spaces are satisfactory	78.2
Cultural activities (shows, bars, and museums) are satisfactory	81.7

Opportunities (Work & School)

Employment finding services are readily available	67.0
Most children have access to a good school	81.3
Lifelong learning opportunities are provided by local institutions	75.5
Businesses are creating new jobs	64.3
Minorities feel welcome	55.4

Governance

Information on local government decisions are easily accessible	66.4
Corruption of city officials is not an issue of concern	58.0
Residents contribute to decision making of local government	52.1
Residents provide feedback on local government projects	69.6

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	53.1
A website or App allows residents to easily give away unwanted items	69.8
Free public wifi has improved access to city services	56.4
CCTV cameras has made residents feel safer	51.4
A website or App allows residents to effectively monitor air pollution	51.3
Arranging medical appointments online has improved access	57.7

Mobility

Car-sharing Apps have reduced congestion	42.1
Apps that direct you to an available parking space have reduced journey time	44.7
Bicycle hiring has reduced congestion	56.8
Online scheduling and ticket sales has made public transport easier to use	74.4
The city provides information on traffic congestion through mobile phones	49.6

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	74.1

Opportunities (Work & School)

Online access to job listings has made it easier to find work	64.3
IT skills are taught well in schools	66.2
Online services provided by the city has made it easier to start a new business	54.5
The current internet speed and reliability meet connectivity needs	77.4

Governance

Online public access to city finances has reduced corruption	47.4
Online voting has increased participation	50.3
An online platform where residents can propose ideas has improved city life	55.5
Processing Identification Documents online has reduced waiting times	63.1

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)



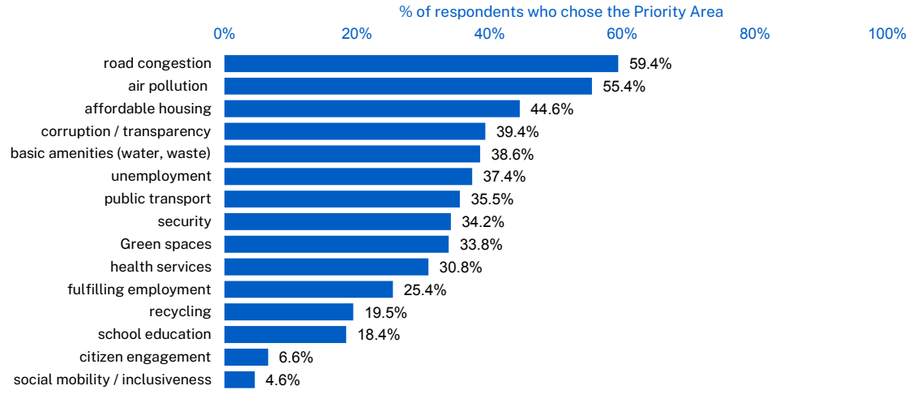
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

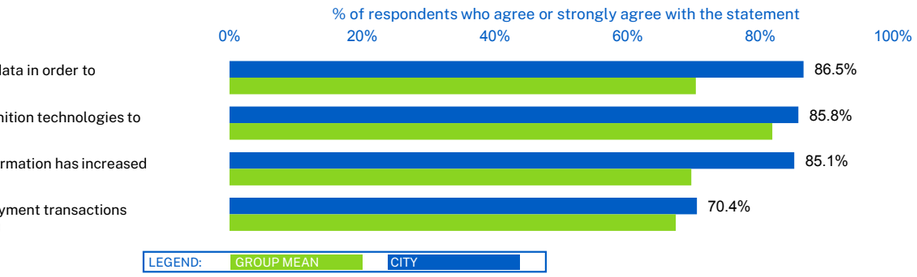
Viet Nam	2019	2020	2021	2022	1 yr change
HDI	0.697	0.702	0.706	0.711	+0.005
Life expectancy at birth	74.1	75.4	73.6	74.6	+1.0
Expected years of schooling	13.0	13.1	13.1	13.1	+0.0
Mean years of schooling	8.4	8.5	8.5	8.5	+0.0
GNI per capita (PPP $)	9,734	10,005	10,085	10,814	+729

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





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)



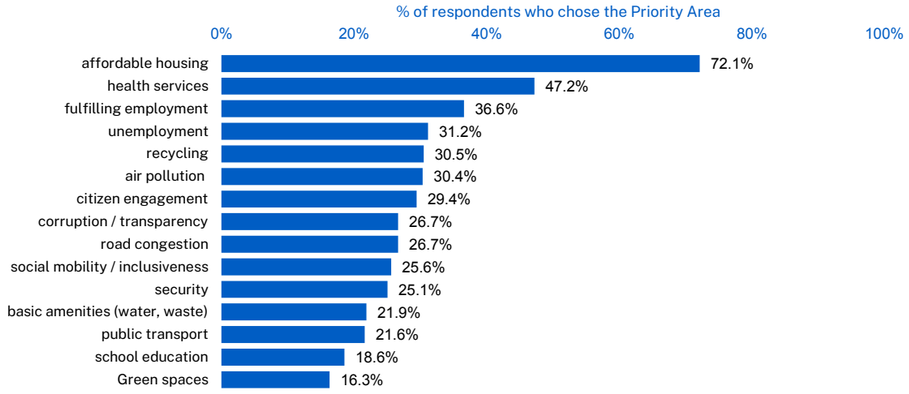
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Country

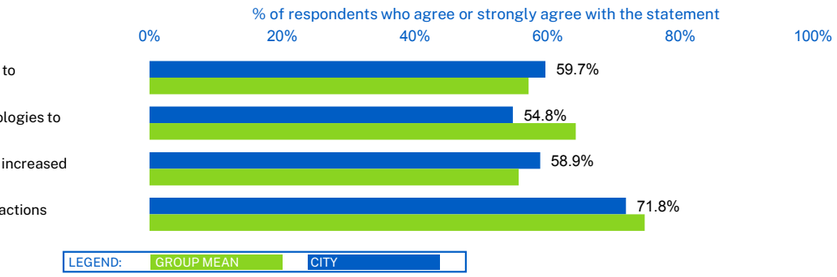
Hong Kong, China (SAR)	2019	2020	2021	2022	1 yr change
HDI	0.936	0.939	0.946	0.949	+0.003
Life expectancy at birth	85.3	85.2	85.5	84.3	-1.2
Expected years of schooling	17.3	17.8	17.7	17.8	+0.1
Mean years of schooling	12.2	12.3	12.3	12.3	+0.0
GNI per capita (PPP $)	63,277	59,537	64,151	62,486	-1,665

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.



ATTITUDES





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)



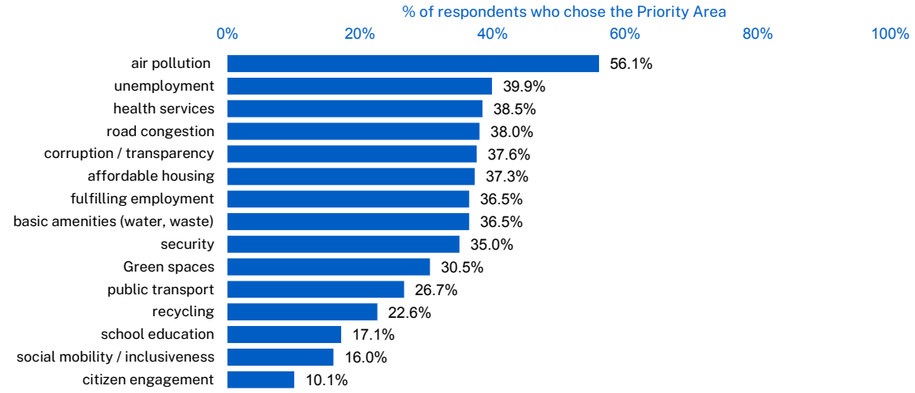
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Country

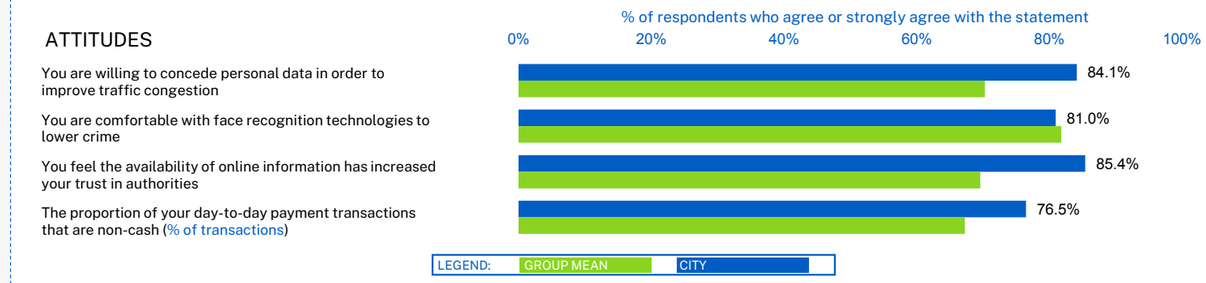
India	2019	2020	2021	2022	1 yr change
HDI	0.619	0.630	0.636	0.636	+0.000
Life expectancy at birth	70.9	70.2	67.2	67.7	+0.5
Expected years of schooling	11.4	11.7	12.0	12.6	+0.6
Mean years of schooling	6.3	6.5	6.5	6.6	+0.0
GNI per capita (PPP $)	6,554	6,090	6,542	6,951	+408

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.



ATTITUDES



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score: 0 20 40 60 80 100

Health & Safety

Basic sanitation meets the needs of the poorest areas	73.5
Recycling services are satisfactory	71.2
Public safety is not a problem	50.4
Air pollution is not a problem	27.1
Medical services provision is satisfactory	76.2
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	55.6

Mobility

Traffic congestion is not a problem	32.8
Public transport is satisfactory	75.8

Activities

Green spaces are satisfactory	77.2
Cultural activities (shows, bars, and museums) are satisfactory	79.2

Opportunities (Work & School)

Employment finding services are readily available	77.8
Most children have access to a good school	80.4
Lifelong learning opportunities are provided by local institutions	71.7
Businesses are creating new jobs	82.4
Minorities feel welcome	77.0

Governance

Information on local government decisions are easily accessible	77.3
Corruption of city officials is not an issue of concern	44.9
Residents contribute to decision making of local government	65.5
Residents provide feedback on local government projects	71.2

TECHNOLOGIES

Score: 0 20 40 60 80 100

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	70.3
A website or App allows residents to easily give away unwanted items	60.7
Free public wifi has improved access to city services	60.2
CCTV cameras has made residents feel safer	81.6
A website or App allows residents to effectively monitor air pollution	57.8
Arranging medical appointments online has improved access	80.8

Mobility

Car-sharing Apps have reduced congestion	67.5
Apps that direct you to an available parking space have reduced journey time	62.1
Bicycle hiring has reduced congestion	56.8
Online scheduling and ticket sales has made public transport easier to use	82.8
The city provides information on traffic congestion through mobile phones	75.3

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	82.0

Opportunities (Work & School)

Online access to job listings has made it easier to find work	78.5
IT skills are taught well in schools	68.5
Online services provided by the city has made it easier to start a new business	81.8
The current internet speed and reliability meet connectivity needs	82.4

Governance

Online public access to city finances has reduced corruption	61.3
Online voting has increased participation	64.9
An online platform where residents can propose ideas has improved city life	73.7
Processing Identification Documents online has reduced waiting times	81.9

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)



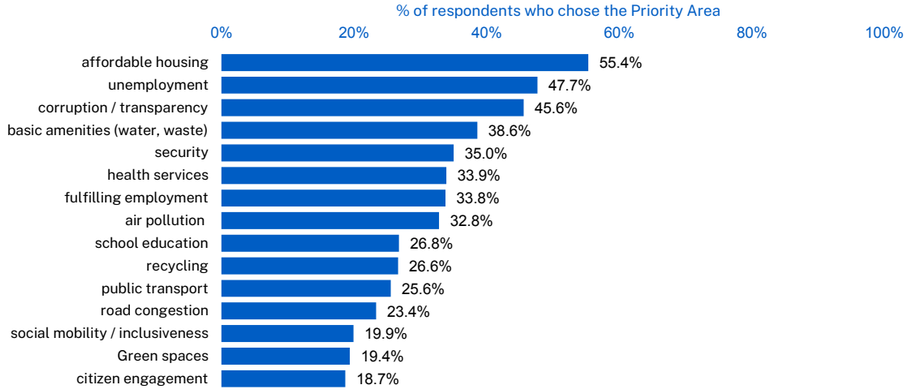
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Country

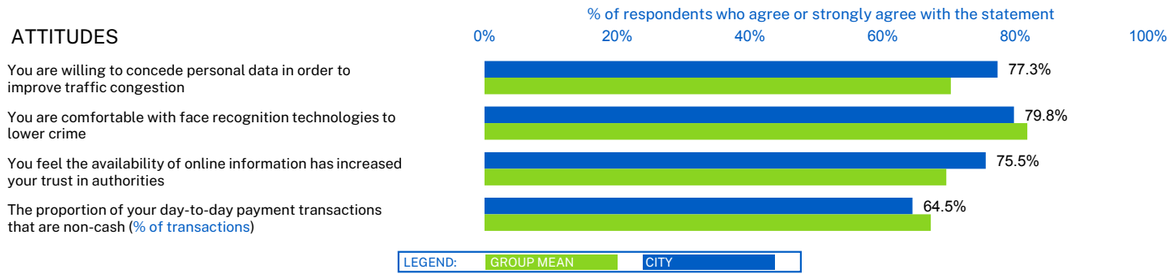
Pakistan	2019	2020	2021	2022	1 yr change
HDI	0.525	0.533	0.534	0.535	+0.001
Life expectancy at birth	66.8	66.3	66.1	66.4	+0.3
Expected years of schooling	7.6	7.9	7.9	7.9	+0.0
Mean years of schooling	4.5	4.4	4.4	4.4	+0.0
GNI per capita (PPP $)	5,067	4,912	5,165	5,374	+209

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.



ATTITUDES





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)



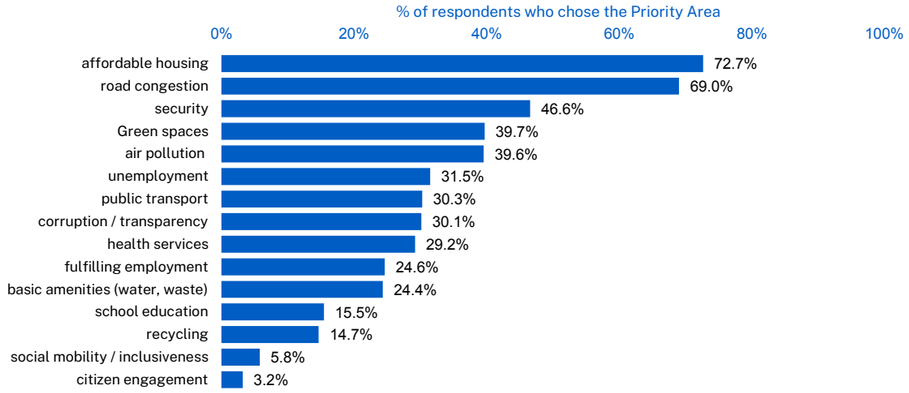
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Country

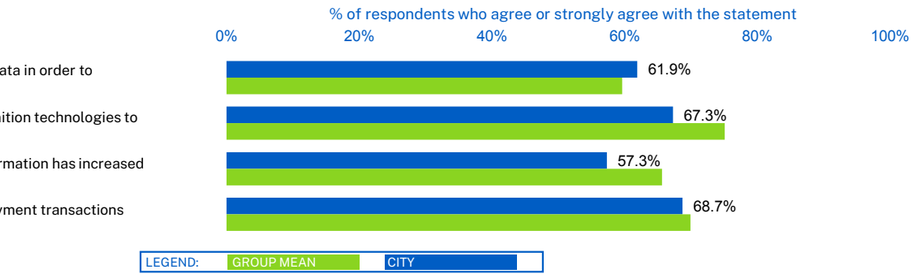
Türkiye	2019	2020	2021	2022	1 yr change
HDI	0.821	0.826	0.833	0.838	+0.005
Life expectancy at birth	77.8	75.9	76.0	78.5	+2.4
Expected years of schooling	19.2	19.3	19.7	19.7	+0.0
Mean years of schooling	8.6	8.8	8.8	8.8	+0.0
GNI per capita (PPP $)	27,950	28,381	31,310	32,834	+1,524

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.



ATTITUDES



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	65.9
Recycling services are satisfactory	49.9
Public safety is not a problem	41.4
Air pollution is not a problem	25.0
Medical services provision is satisfactory	48.3
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	23.2

Mobility

Traffic congestion is not a problem	14.1
Public transport is satisfactory	31.0

Activities

Green spaces are satisfactory	28.2
Cultural activities (shows, bars, and museums) are satisfactory	56.8

Opportunities (Work & School)

Employment finding services are readily available	57.6
Most children have access to a good school	40.1
Lifelong learning opportunities are provided by local institutions	51.2
Businesses are creating new jobs	49.3
Minorities feel welcome	47.3

Governance

Information on local government decisions are easily accessible	55.7
Corruption of city officials is not an issue of concern	29.6
Residents contribute to decision making of local government	39.8
Residents provide feedback on local government projects	45.6

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	47.6
A website or App allows residents to easily give away unwanted items	57.0
Free public wifi has improved access to city services	56.5
CCTV cameras has made residents feel safer	60.2
A website or App allows residents to effectively monitor air pollution	49.4
Arranging medical appointments online has improved access	62.8

Mobility

Car-sharing Apps have reduced congestion	43.6
Apps that direct you to an available parking space have reduced journey time	43.4
Bicycle hiring has reduced congestion	45.3
Online scheduling and ticket sales has made public transport easier to use	61.3
The city provides information on traffic congestion through mobile phones	74.1

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	71.8

Opportunities (Work & School)

Online access to job listings has made it easier to find work	65.8
IT skills are taught well in schools	49.3
Online services provided by the city has made it easier to start a new business	51.9
The current internet speed and reliability meet connectivity needs	58.1

Governance

Online public access to city finances has reduced corruption	42.7
Online voting has increased participation	39.7
An online platform where residents can propose ideas has improved city life	52.1
Processing Identification Documents online has reduced waiting times	66.1

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)

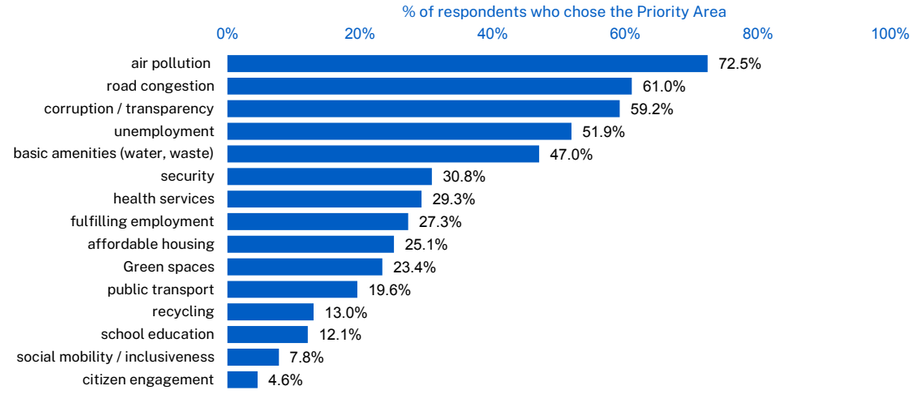


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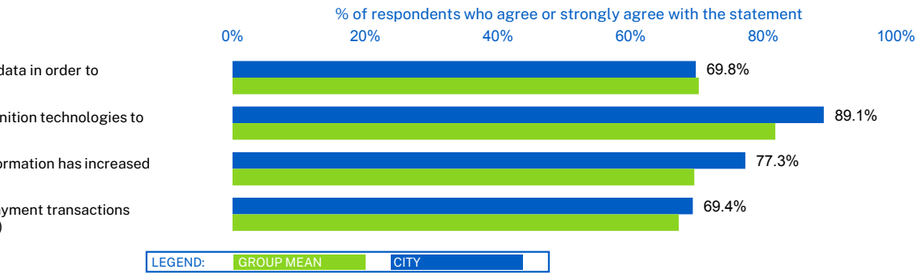
Country Indonesia	2019	2020	2021	2022	1 yr change
HDI	0.698	0.701	0.708	0.712	+0.004
Life expectancy at birth	70.5	68.8	67.6	68.3	+0.7
Expected years of schooling	13.9	14.0	14.0	14.0	+0.0
Mean years of schooling	8.4	8.6	8.6	8.6	+0.0
GNI per capita (PPP $)	11,498	11,206	11,531	12,046	+514

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.



ATTITUDES





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)



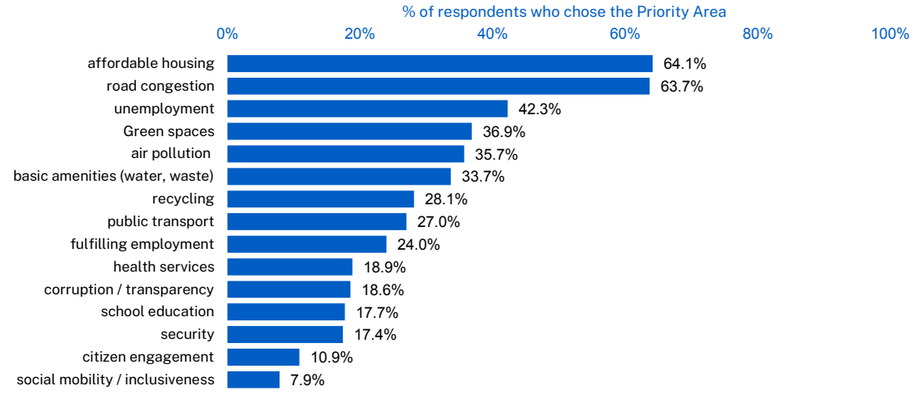
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Country

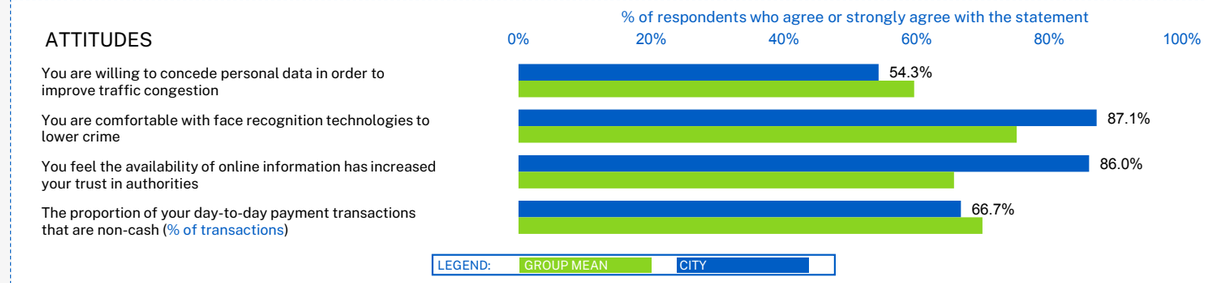
Saudi Arabia	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP $)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

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.



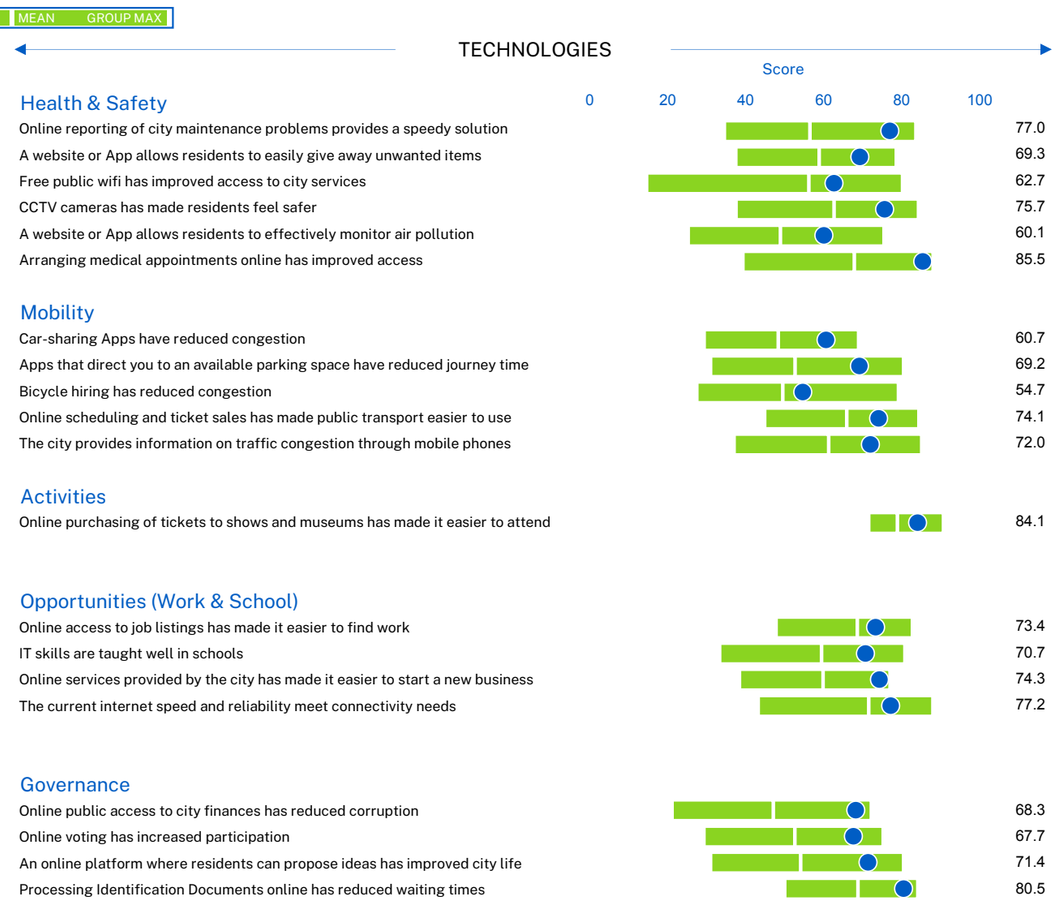
ATTITUDES



STRUCTURES



TECHNOLOGIES



Kiel

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)

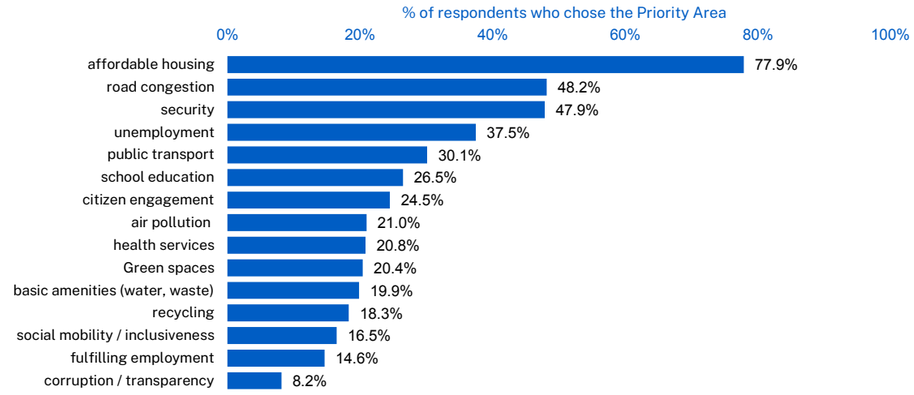


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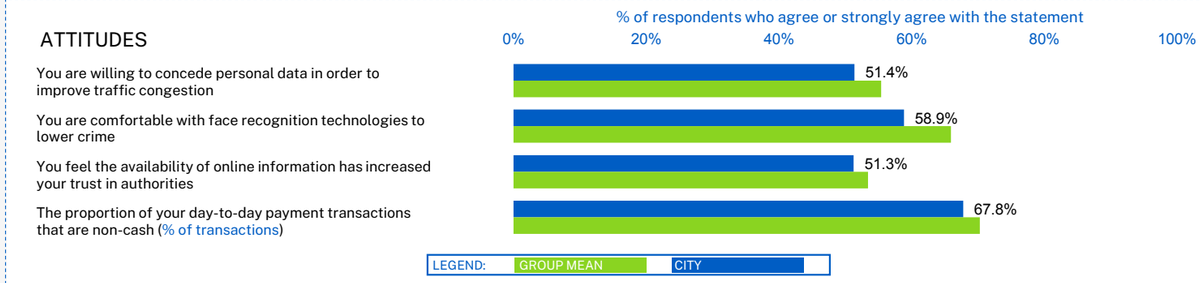
Country Germany	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP $)	55,685	53,375	55,057	55,340	+284

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





Krakow

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)



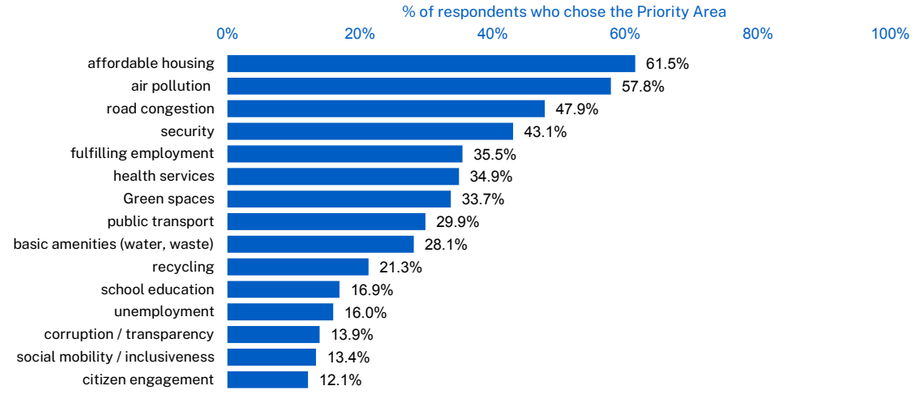
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Country

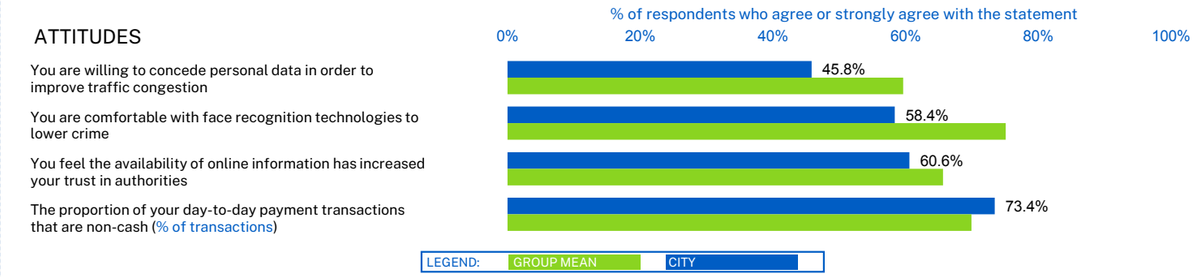
Poland	2019	2020	2021	2022	1 yr change
HDI	0.869	0.872	0.874	0.876	+0.002
Life expectancy at birth	77.9	76.9	76.5	77.0	+0.5
Expected years of schooling	15.9	15.8	15.9	15.9	+0.0
Mean years of schooling	13.1	13.2	13.2	13.2	+0.0
GNI per capita (PPP $)	31,772	31,293	33,264	35,151	+1,887

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.



ATTITUDES





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)

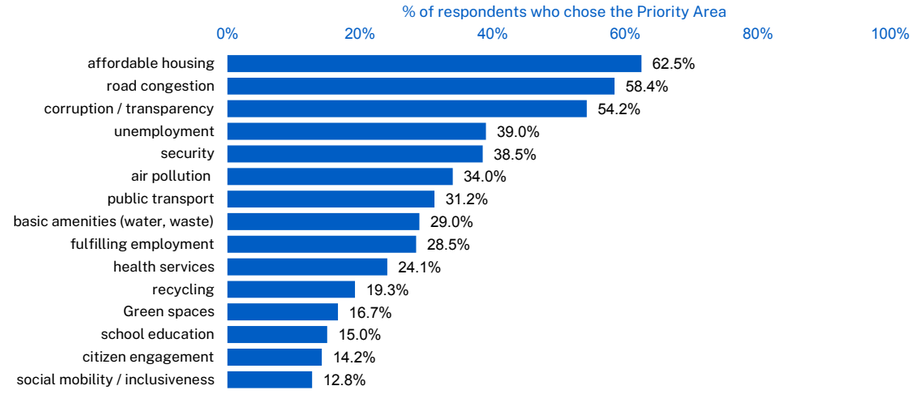


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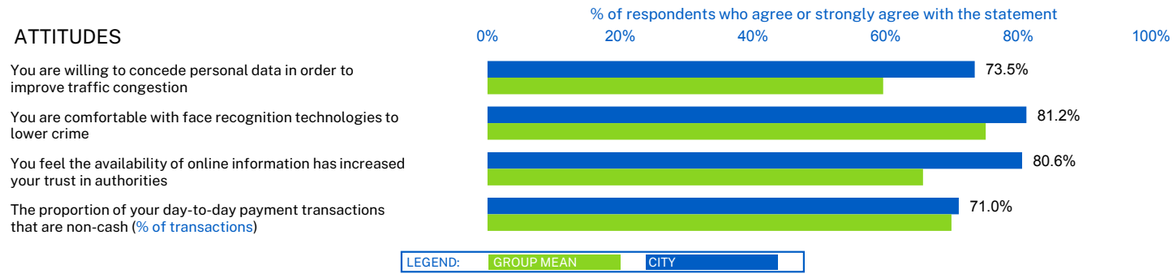
Country Malaysia	2019	2020	2021	2022	1 yr change
HDI	0.792	0.798	0.800	0.802	+0.002
Life expectancy at birth	75.8	75.9	74.9	76.3	+1.4
Expected years of schooling	13.1	13.0	12.9	12.9	+0.0
Mean years of schooling	10.6	10.7	10.7	10.7	+0.0
GNI per capita (PPP $)	26,951	25,314	25,619	27,295	+1,676

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.



ATTITUDES



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	Score
Basic sanitation meets the needs of the poorest areas	72.4
Recycling services are satisfactory	65.7
Public safety is not a problem	54.0
Air pollution is not a problem	41.8
Medical services provision is satisfactory	77.9
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	44.8

Mobility

	Score
Traffic congestion is not a problem	21.0
Public transport is satisfactory	64.0

Activities

	Score
Green spaces are satisfactory	66.0
Cultural activities (shows, bars, and museums) are satisfactory	73.6

Opportunities (Work & School)

	Score
Employment finding services are readily available	71.5
Most children have access to a good school	78.5
Lifelong learning opportunities are provided by local institutions	74.4
Businesses are creating new jobs	78.8
Minorities feel welcome	70.0

Governance

	Score
Information on local government decisions are easily accessible	72.7
Corruption of city officials is not an issue of concern	30.3
Residents contribute to decision making of local government	56.7
Residents provide feedback on local government projects	66.6

TECHNOLOGIES

Score

Health & Safety

	Score
Online reporting of city maintenance problems provides a speedy solution	62.3
A website or App allows residents to easily give away unwanted items	60.2
Free public wifi has improved access to city services	64.3
CCTV cameras has made residents feel safer	73.4
A website or App allows residents to effectively monitor air pollution	60.6
Arranging medical appointments online has improved access	77.9

Mobility

	Score
Car-sharing Apps have reduced congestion	61.1
Apps that direct you to an available parking space have reduced journey time	55.4
Bicycle hiring has reduced congestion	53.2
Online scheduling and ticket sales has made public transport easier to use	78.8
The city provides information on traffic congestion through mobile phones	72.8

Activities

	Score
Online purchasing of tickets to shows and museums has made it easier to attend	84.3

Opportunities (Work & School)

	Score
Online access to job listings has made it easier to find work	82.8
IT skills are taught well in schools	66.6
Online services provided by the city has made it easier to start a new business	75.9
The current internet speed and reliability meet connectivity needs	77.3

Governance

	Score
Online public access to city finances has reduced corruption	52.8
Online voting has increased participation	60.1
An online platform where residents can propose ideas has improved city life	65.9
Processing Identification Documents online has reduced waiting times	74.7

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)

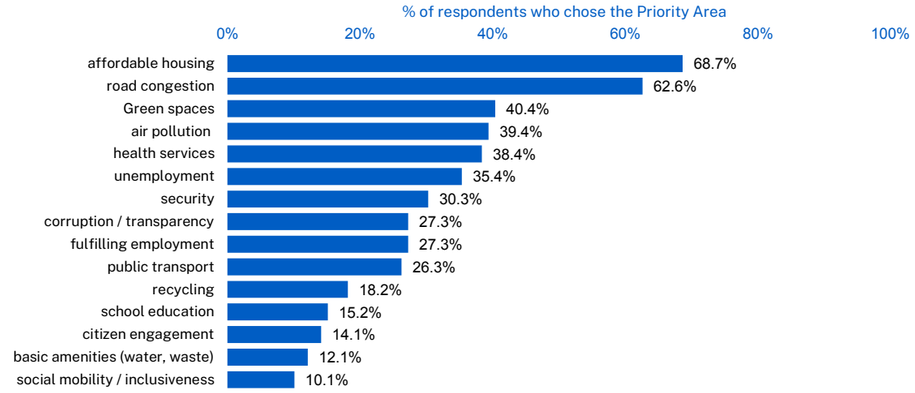


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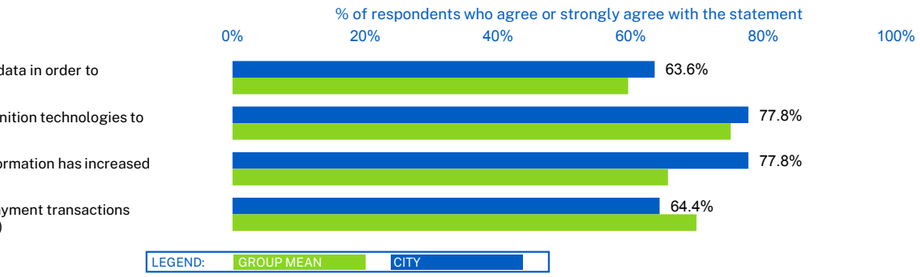
Country Kuwait	2019	2020	2021	2022	1 yr change
HDI	0.829	0.832	0.835	0.836	+0.001
Life expectancy at birth	79.7	76.9	78.7	80.3	+1.6
Expected years of schooling	15.5	15.7	15.7	15.7	+0.0
Mean years of schooling	7.3	7.4	7.4	7.4	+0.0
GNI per capita (PPP $)	54,606	50,505	52,672	56,729	+4,057

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.



ATTITUDES





Lagos

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)



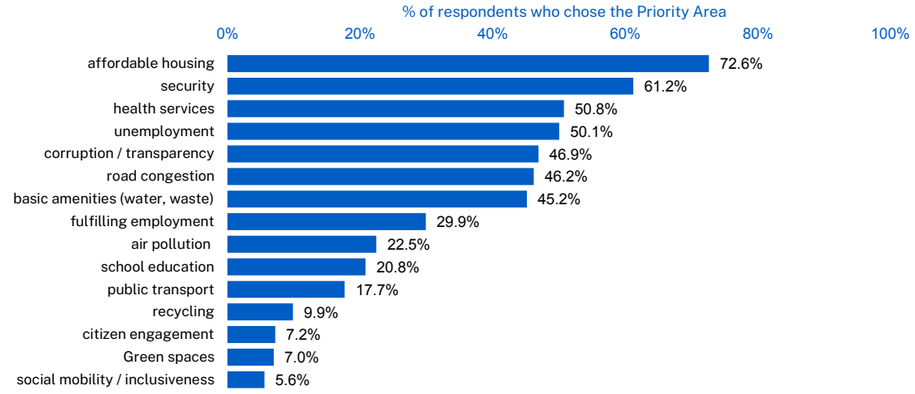
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

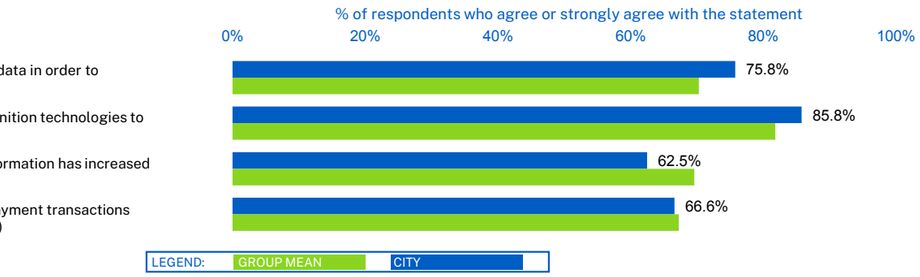
Nigeria	2019	2020	2021	2022	1 yr change
HDI	0.520	0.526	0.528	0.530	+0.002
Life expectancy at birth	52.9	52.9	52.7	53.6	+1.0
Expected years of schooling	10.1	10.3	10.5	10.5	+0.0
Mean years of schooling	7.2	7.4	7.6	7.6	+0.0
GNI per capita (PPP $)	4,914	4,685	4,716	4,755	+39

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





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)



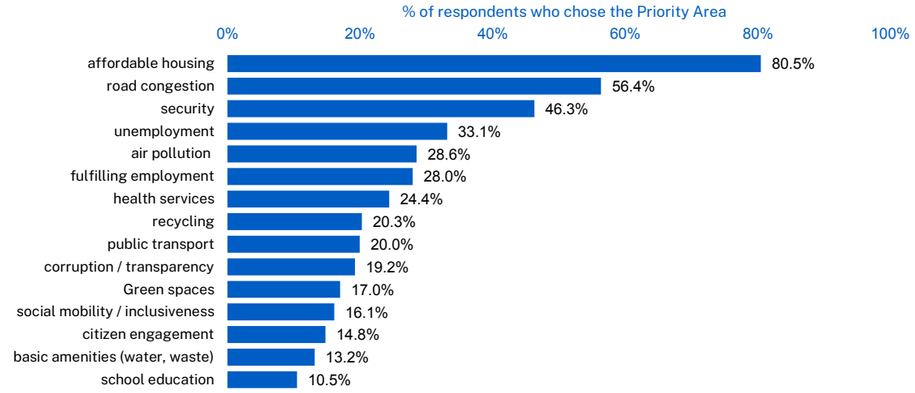
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country Switzerland

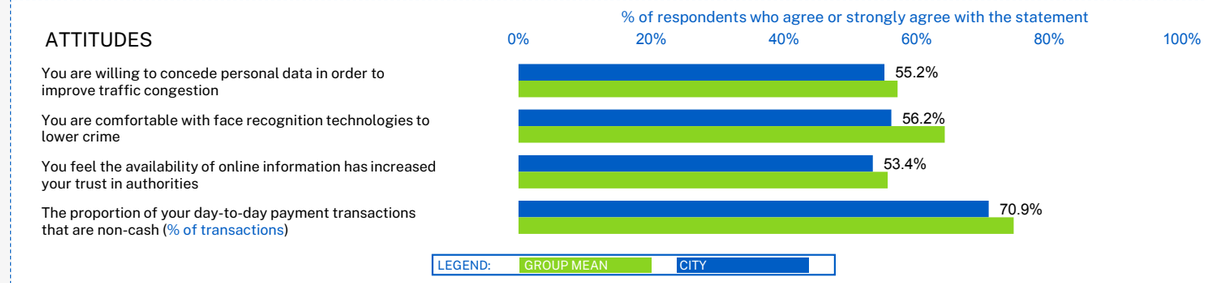
	2019	2020	2021	2022	1 yr change
HDI	0.952	0.954	0.955	0.957	+0.002
Life expectancy at birth	83.8	83.1	84.0	84.3	+0.3
Expected years of schooling	16.3	16.4	16.6	16.6	+0.0
Mean years of schooling	13.9	13.9	13.9	13.9	+0.0
GNI per capita (PPP $)	67,531	66,267	68,550	69,433	+882

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





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)



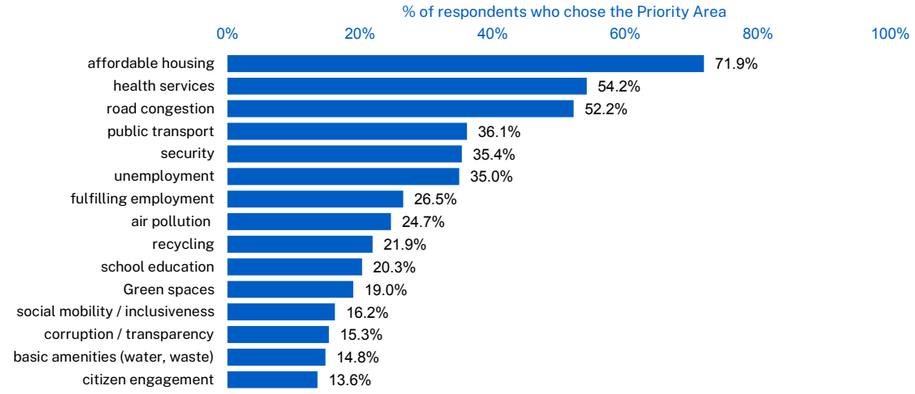
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Country

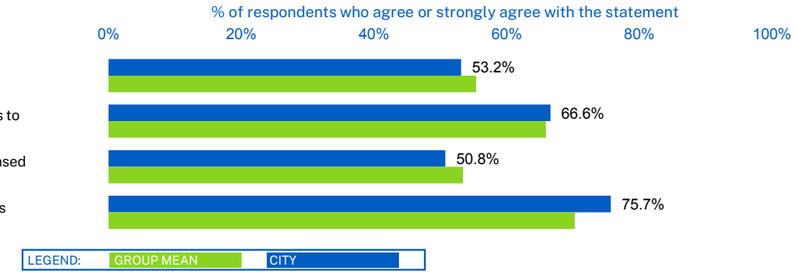
United Kingdom	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	47,066	40,799	44,750	46,624	+1,874

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





Lille

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)

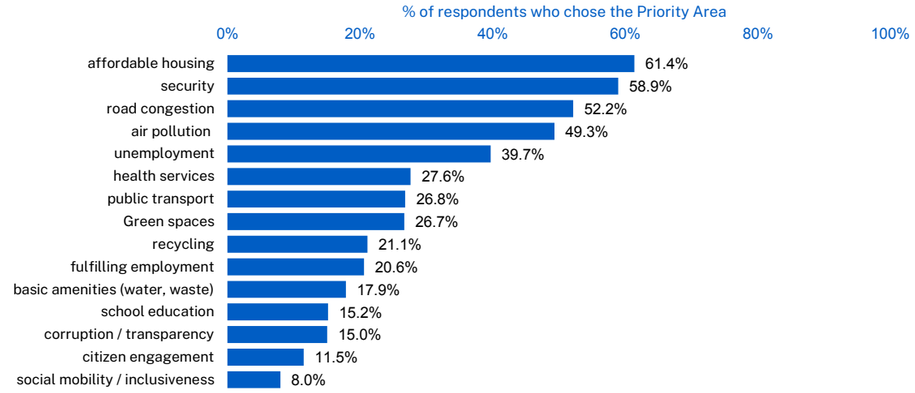


Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

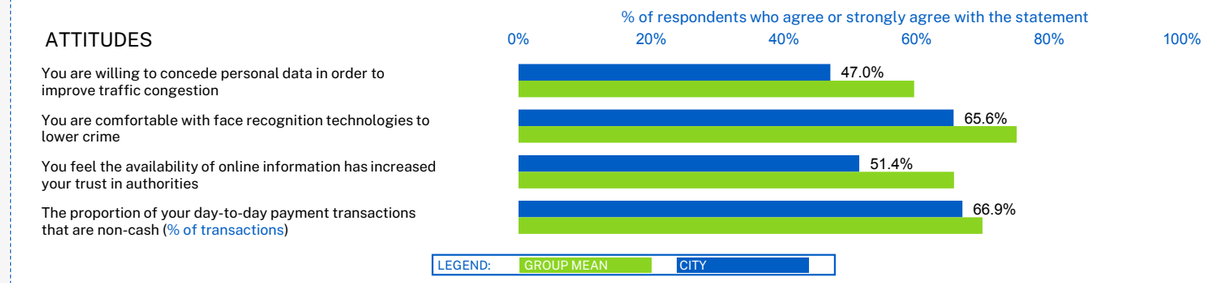
Country France	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP $)	46,907	42,891	46,322	47,379	+1,057

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	59.6
Recycling services are satisfactory	64.7
Public safety is not a problem	41.1
Air pollution is not a problem	26.9
Medical services provision is satisfactory	59.0
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	27.8

Mobility

Traffic congestion is not a problem	26.0
Public transport is satisfactory	60.7

Activities

Green spaces are satisfactory	67.9
Cultural activities (shows, bars, and museums) are satisfactory	81.5

Opportunities (Work & School)

Employment finding services are readily available	61.6
Most children have access to a good school	64.5
Lifelong learning opportunities are provided by local institutions	62.8
Businesses are creating new jobs	50.4
Minorities feel welcome	51.9

Governance

Information on local government decisions are easily accessible	56.8
Corruption of city officials is not an issue of concern	50.7
Residents contribute to decision making of local government	45.4
Residents provide feedback on local government projects	48.0

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	47.8
A website or App allows residents to easily give away unwanted items	59.2
Free public wifi has improved access to city services	51.9
CCTV cameras has made residents feel safer	54.0
A website or App allows residents to effectively monitor air pollution	49.2
Arranging medical appointments online has improved access	68.0

Mobility

Car-sharing Apps have reduced congestion	44.9
Apps that direct you to an available parking space have reduced journey time	46.5
Bicycle hiring has reduced congestion	57.1
Online scheduling and ticket sales has made public transport easier to use	64.5
The city provides information on traffic congestion through mobile phones	53.5

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	77.4

Opportunities (Work & School)

Online access to job listings has made it easier to find work	57.7
IT skills are taught well in schools	60.2
Online services provided by the city has made it easier to start a new business	46.1
The current internet speed and reliability meet connectivity needs	71.8

Governance

Online public access to city finances has reduced corruption	41.9
Online voting has increased participation	49.4
An online platform where residents can propose ideas has improved city life	50.6
Processing Identification Documents online has reduced waiting times	62.1

Lima

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)



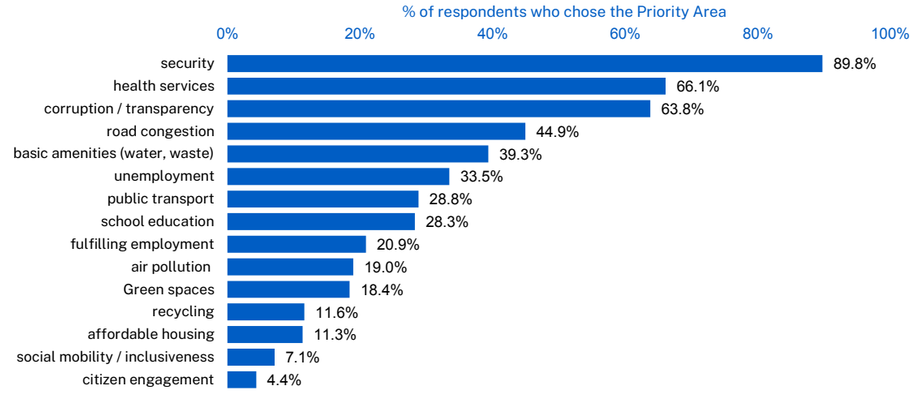
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Country

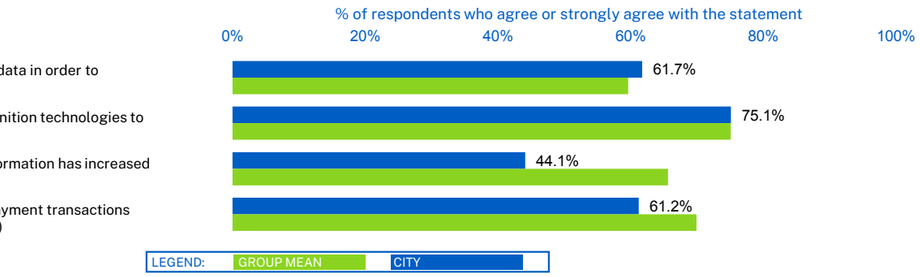
Peru	2019	2020	2021	2022	1 yr change
HDI	0.758	0.764	0.765	0.770	+0.005
Life expectancy at birth	76.2	73.7	72.4	73.4	+1.0
Expected years of schooling	14.7	14.8	14.8	14.8	+0.0
Mean years of schooling	9.9	10.0	10.0	10.0	+0.0
GNI per capita (PPP $)	12,279	10,894	11,510	11,916	+407

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	34.2
Recycling services are satisfactory	43.4
Public safety is not a problem	18.1
Air pollution is not a problem	20.5
Medical services provision is satisfactory	30.2
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	35.3

Mobility

Traffic congestion is not a problem	13.8
Public transport is satisfactory	22.1

Activities

Green spaces are satisfactory	56.9
Cultural activities (shows, bars, and museums) are satisfactory	63.5

Opportunities (Work & School)

Employment finding services are readily available	57.3
Most children have access to a good school	22.7
Lifelong learning opportunities are provided by local institutions	34.7
Businesses are creating new jobs	46.1
Minorities feel welcome	34.0

Governance

Information on local government decisions are easily accessible	35.8
Corruption of city officials is not an issue of concern	14.1
Residents contribute to decision making of local government	23.6
Residents provide feedback on local government projects	34.2

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	40.7
A website or App allows residents to easily give away unwanted items	44.8
Free public wifi has improved access to city services	43.6
CCTV cameras has made residents feel safer	44.1
A website or App allows residents to effectively monitor air pollution	28.4
Arranging medical appointments online has improved access	51.4

Mobility

Car-sharing Apps have reduced congestion	37.3
Apps that direct you to an available parking space have reduced journey time	42.3
Bicycle hiring has reduced congestion	42.5
Online scheduling and ticket sales has made public transport easier to use	47.2
The city provides information on traffic congestion through mobile phones	51.8

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	77.3

Opportunities (Work & School)

Online access to job listings has made it easier to find work	63.5
IT skills are taught well in schools	42.8
Online services provided by the city has made it easier to start a new business	53.6
The current internet speed and reliability meet connectivity needs	64.6

Governance

Online public access to city finances has reduced corruption	24.3
Online voting has increased participation	34.6
An online platform where residents can propose ideas has improved city life	36.0
Processing Identification Documents online has reduced waiting times	63.1

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)



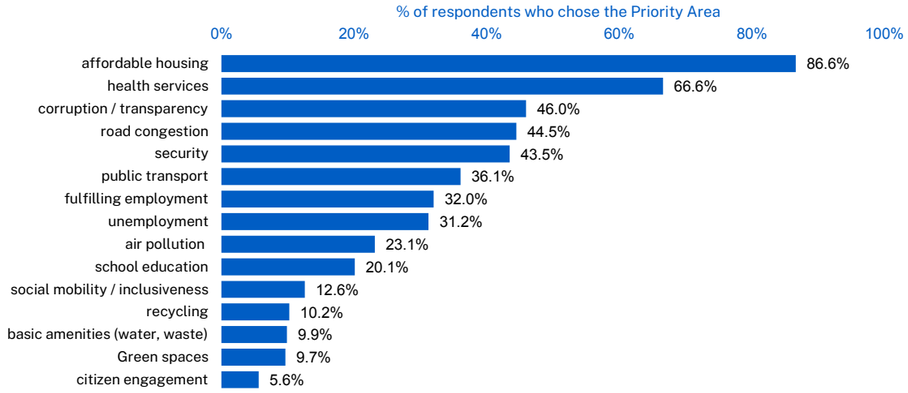
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Country

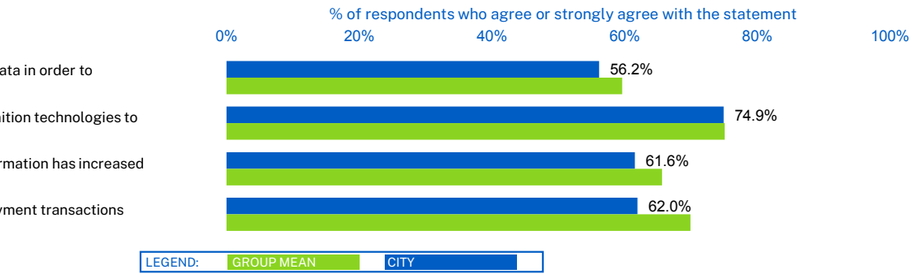
Portugal	2019	2020	2021	2022	1 yr change
HDI	0.850	0.851	0.857	0.858	+0.001
Life expectancy at birth	81.7	81.1	81.0	82.2	+1.2
Expected years of schooling	16.6	16.7	16.8	16.8	+0.0
Mean years of schooling	9.3	9.6	9.6	9.6	+0.0
GNI per capita (PPP $)	34,036	31,510	33,275	35,315	+2,040

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





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)



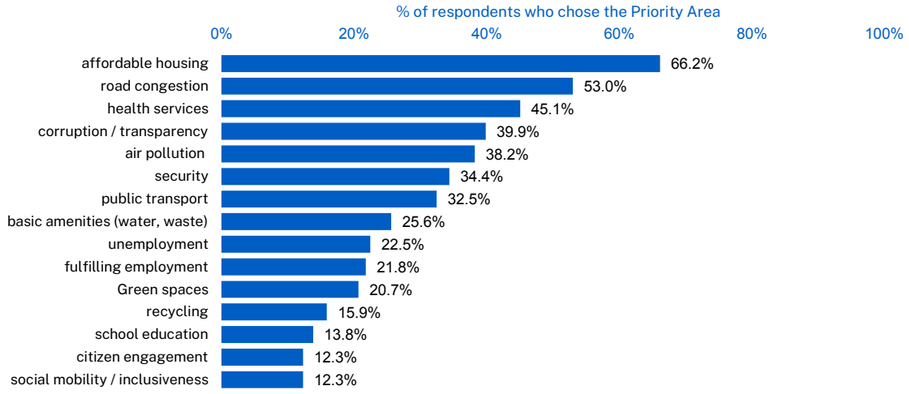
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country Slovenia

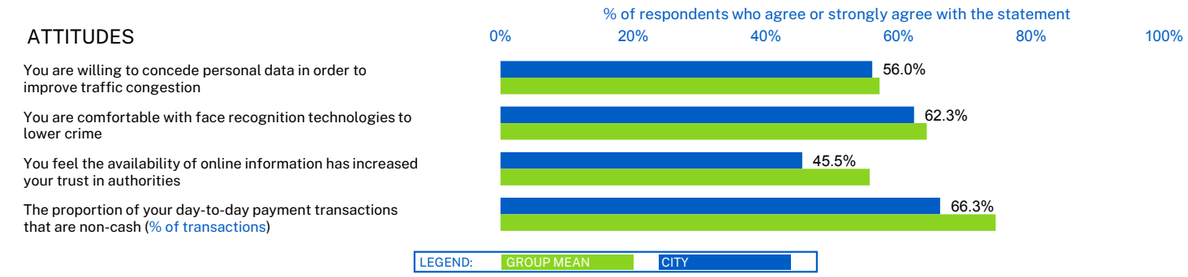
	2019	2020	2021	2022	1 yr change
HDI	0.903	0.909	0.912	0.916	+0.004
Life expectancy at birth	81.6	80.4	80.7	82.1	+1.4
Expected years of schooling	17.3	17.3	17.4	17.4	+0.0
Mean years of schooling	12.8	12.9	12.9	12.9	+0.0
GNI per capita (PPP $)	38,436	36,848	39,478	41,587	+2,109

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.



ATTITUDES





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)

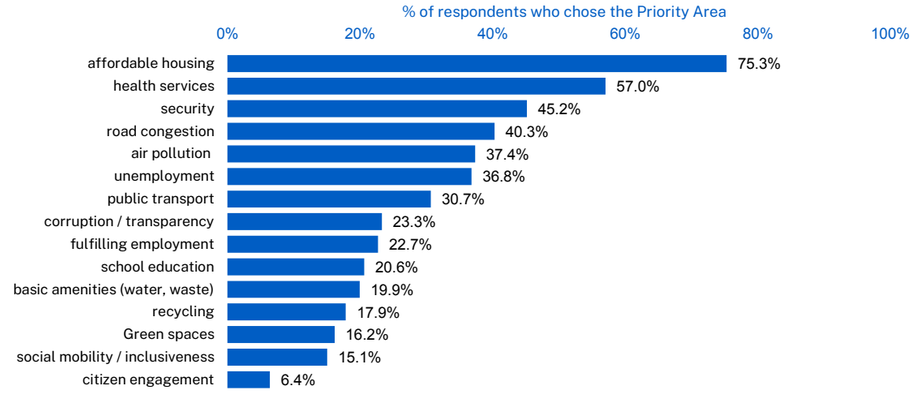


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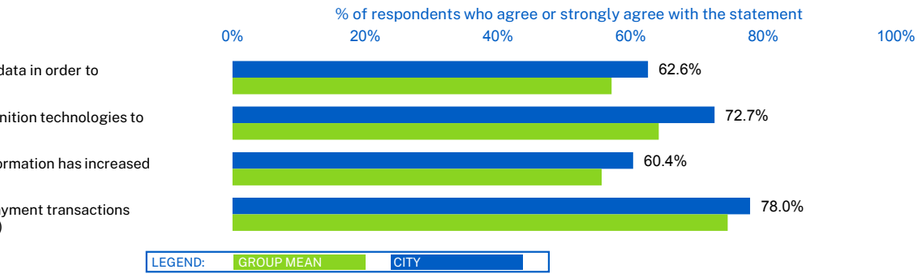
Country United Kingdom	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	47,066	40,799	44,750	46,624	+1,874

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





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)



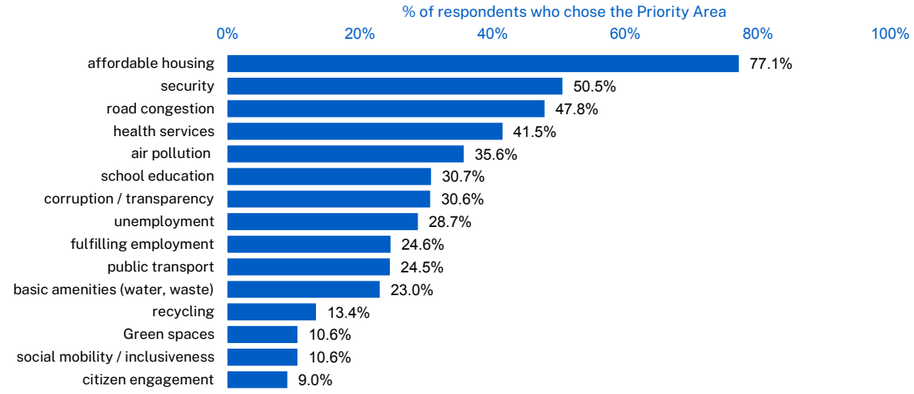
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

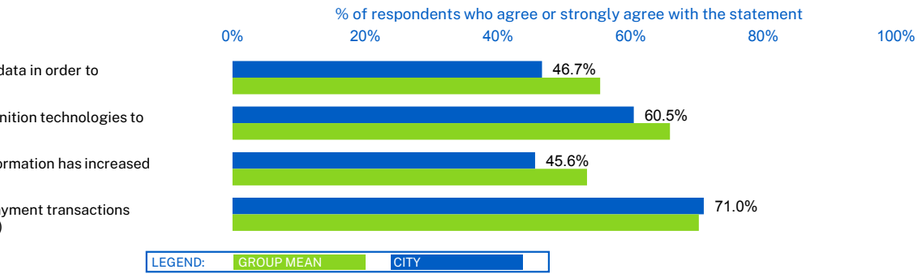
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

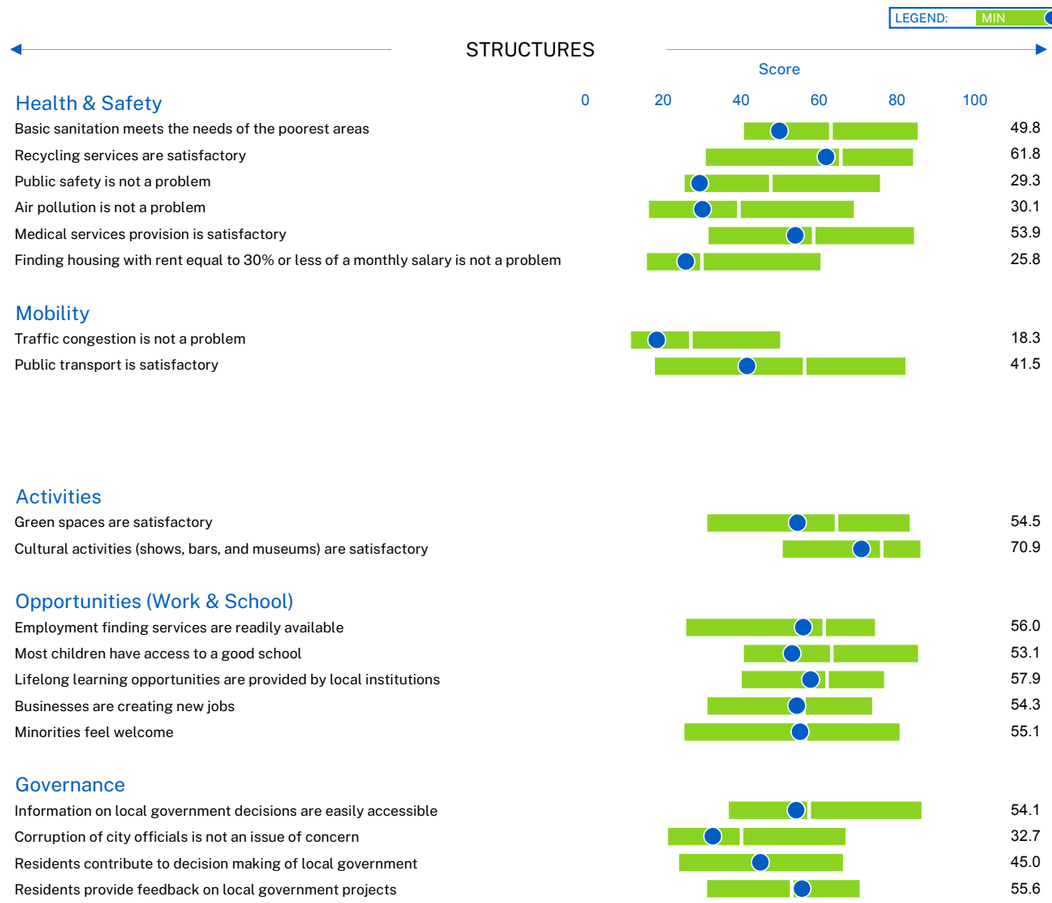
PRIORITY AREAS

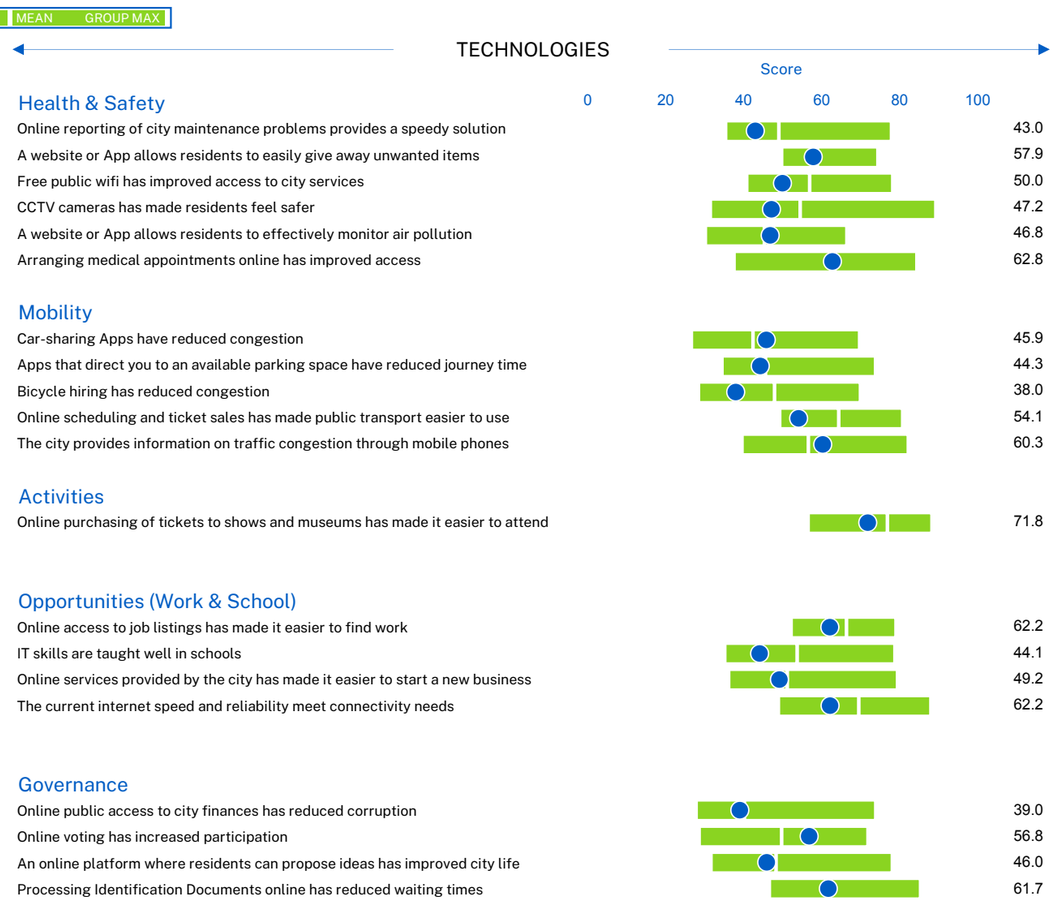
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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

2

GROUP

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 130,000
(UN Data)

HDI 0.927
(Global Data Lab)



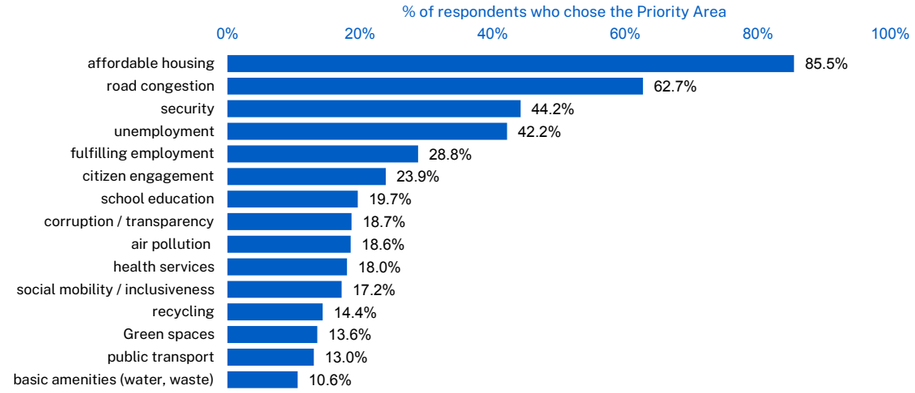
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Country

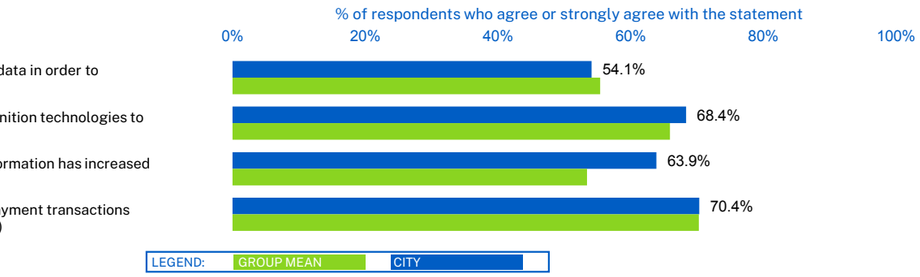
Luxembourg	2019	2020	2021	2022	1 yr change
HDI	0.914	0.922	0.918	0.921	+0.003
Life expectancy at birth	82.1	81.4	82.6	82.6	-0.0
Expected years of schooling	14.2	14.2	14.2	14.2	+0.0
Mean years of schooling	13.0	13.0	13.0	13.0	+0.0
GNI per capita (PPP $)	77,423	76,504	78,651	78,554	-96

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





Lyon

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)



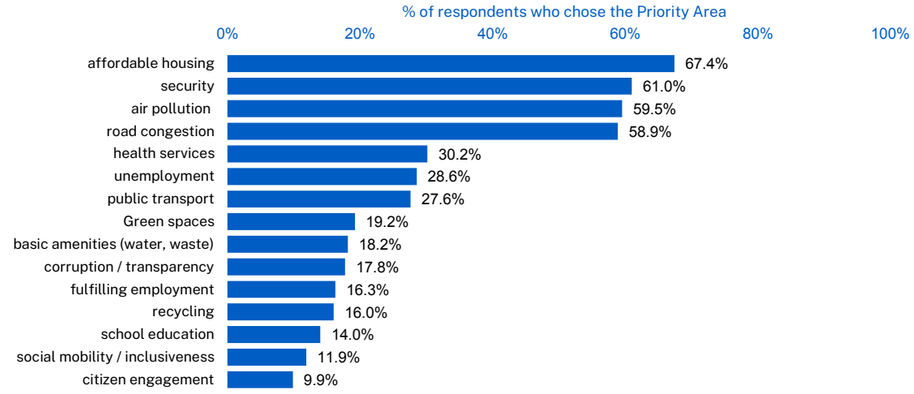
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

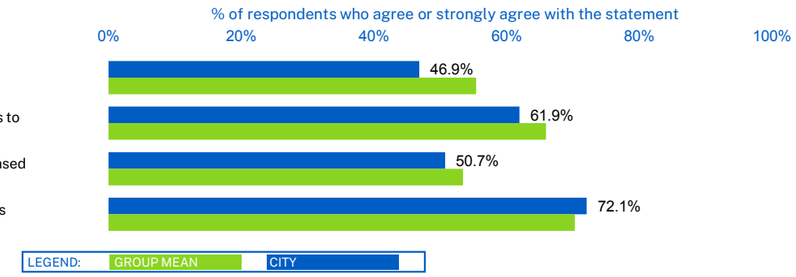
France	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP $)	46,907	42,891	46,322	47,379	+1,057

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.



ATTITUDES





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)

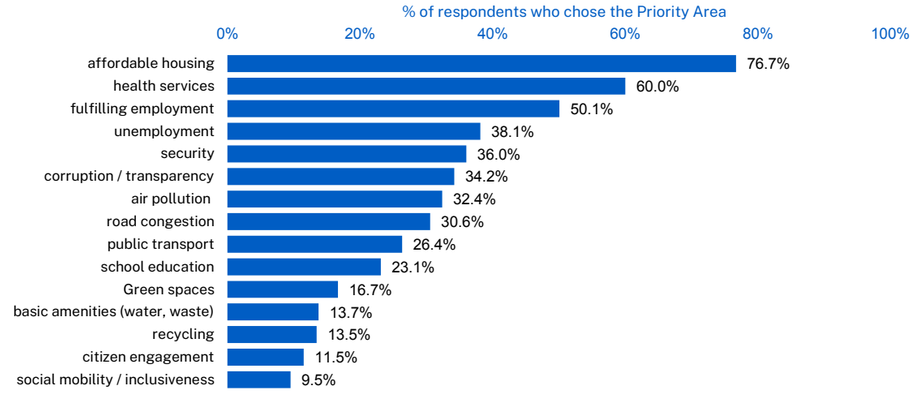


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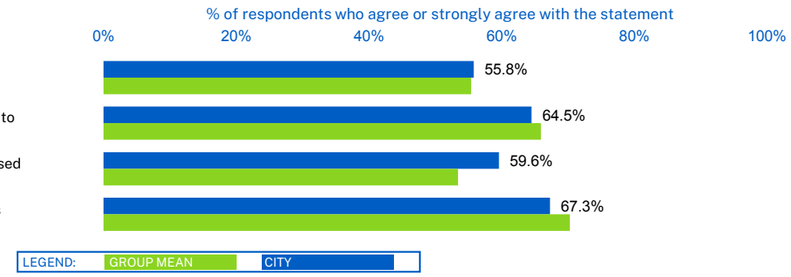
Country Spain	2019	2020	2021	2022	1 yr change
HDI	0.889	0.894	0.896	0.899	+0.003
Life expectancy at birth	83.5	82.3	83.0	83.9	+0.9
Expected years of schooling	17.5	17.5	17.8	17.8	+0.0
Mean years of schooling	10.4	10.6	10.6	10.6	+0.0
GNI per capita (PPP $)	40,854	36,076	38,133	40,043	+1,911

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.



ATTITUDES



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	Score
Basic sanitation meets the needs of the poorest areas	64.1
Recycling services are satisfactory	63.8
Public safety is not a problem	53.9
Air pollution is not a problem	30.7
Medical services provision is satisfactory	50.4
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	20.0

Mobility

	Score
Traffic congestion is not a problem	21.9
Public transport is satisfactory	66.1

Activities

	Score
Green spaces are satisfactory	71.0
Cultural activities (shows, bars, and museums) are satisfactory	81.3

Opportunities (Work & School)

	Score
Employment finding services are readily available	71.4
Most children have access to a good school	64.4
Lifelong learning opportunities are provided by local institutions	67.5
Businesses are creating new jobs	55.8
Minorities feel welcome	57.9

Governance

	Score
Information on local government decisions are easily accessible	54.7
Corruption of city officials is not an issue of concern	34.7
Residents contribute to decision making of local government	38.1
Residents provide feedback on local government projects	46.5

TECHNOLOGIES

Score

Health & Safety

	Score
Online reporting of city maintenance problems provides a speedy solution	54.4
A website or App allows residents to easily give away unwanted items	60.0
Free public wifi has improved access to city services	53.8
CCTV cameras has made residents feel safer	56.4
A website or App allows residents to effectively monitor air pollution	51.4
Arranging medical appointments online has improved access	65.0

Mobility

	Score
Car-sharing Apps have reduced congestion	49.8
Apps that direct you to an available parking space have reduced journey time	56.3
Bicycle hiring has reduced congestion	51.8
Online scheduling and ticket sales has made public transport easier to use	70.4
The city provides information on traffic congestion through mobile phones	63.4

Activities

	Score
Online purchasing of tickets to shows and museums has made it easier to attend	82.0

Opportunities (Work & School)

	Score
Online access to job listings has made it easier to find work	67.3
IT skills are taught well in schools	60.6
Online services provided by the city has made it easier to start a new business	58.9
The current internet speed and reliability meet connectivity needs	78.0

Governance

	Score
Online public access to city finances has reduced corruption	40.3
Online voting has increased participation	48.5
An online platform where residents can propose ideas has improved city life	54.5
Processing Identification Documents online has reduced waiting times	65.2

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)

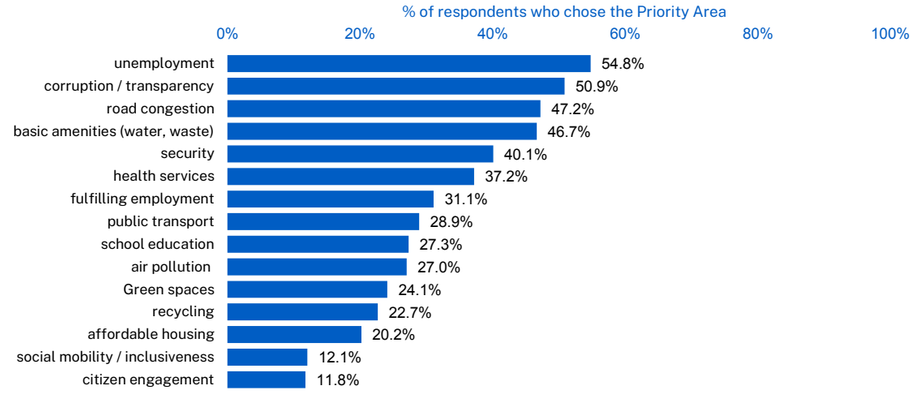


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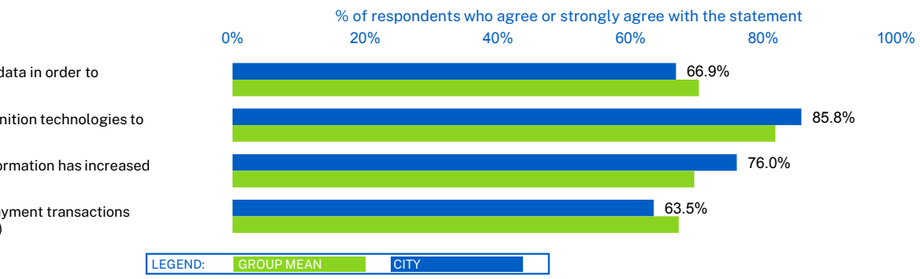
Country Indonesia	2019	2020	2021	2022	1 yr change
HDI	0.698	0.701	0.708	0.712	+0.004
Life expectancy at birth	70.5	68.8	67.6	68.3	+0.7
Expected years of schooling	13.9	14.0	14.0	14.0	+0.0
Mean years of schooling	8.4	8.6	8.6	8.6	+0.0
GNI per capita (PPP $)	11,498	11,206	11,531	12,046	+514

PRIORITY AREAS

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





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)

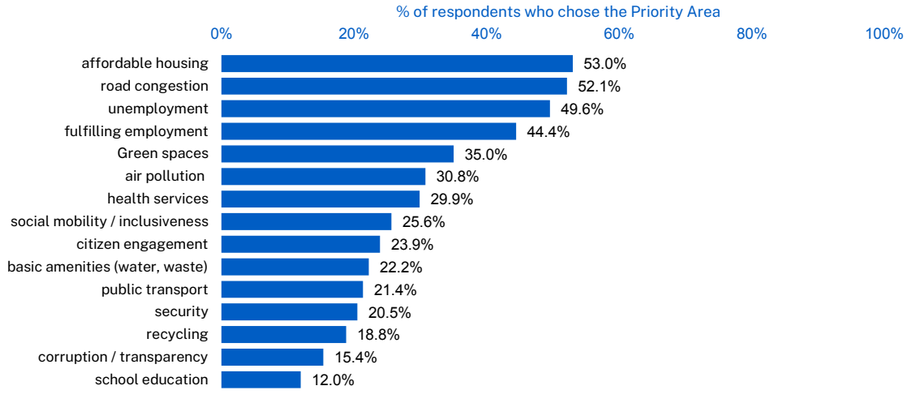


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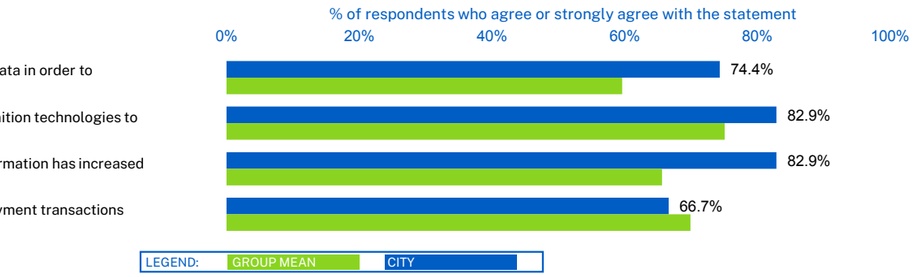
Country Bahrain	2019	2020	2021	2022	1 yr change
HDI	0.859	0.862	0.867	0.880	+0.013
Life expectancy at birth	80.0	79.2	78.8	79.2	+0.5
Expected years of schooling	16.4	16.4	16.3	16.3	-0.0
Mean years of schooling	10.8	11.0	11.0	11.0	+0.0
GNI per capita (PPP $)	46,857	44,781	46,757	48,731	+1,974

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.



ATTITUDES





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)

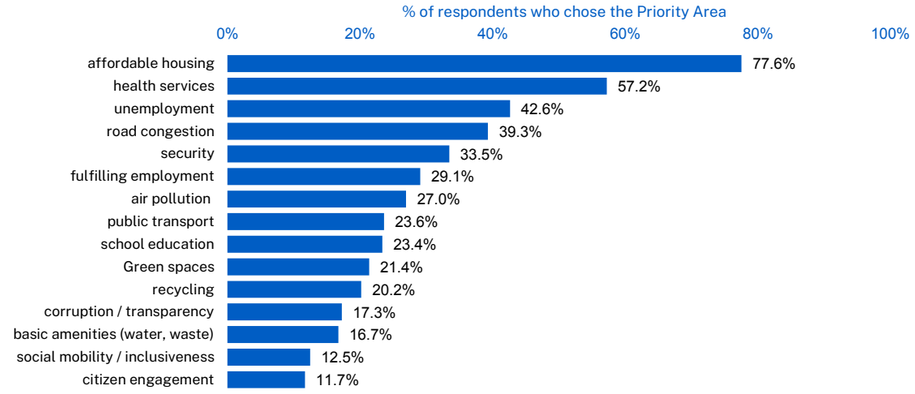


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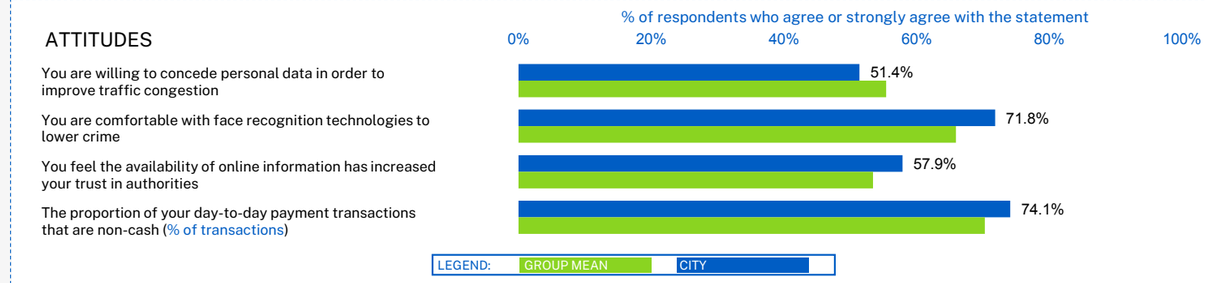
Country United Kingdom	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	47,066	40,799	44,750	46,624	+1,874

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	65.2
Recycling services are satisfactory	68.1
Public safety is not a problem	43.9
Air pollution is not a problem	38.4
Medical services provision is satisfactory	51.7
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	29.5

Mobility

Traffic congestion is not a problem	27.2
Public transport is satisfactory	59.7

Activities

Green spaces are satisfactory	62.9
Cultural activities (shows, bars, and museums) are satisfactory	75.3

Opportunities (Work & School)

Employment finding services are readily available	64.3
Most children have access to a good school	67.9
Lifelong learning opportunities are provided by local institutions	62.2
Businesses are creating new jobs	60.8
Minorities feel welcome	66.6

Governance

Information on local government decisions are easily accessible	62.5
Corruption of city officials is not an issue of concern	46.3
Residents contribute to decision making of local government	46.7
Residents provide feedback on local government projects	55.4

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	43.2
A website or App allows residents to easily give away unwanted items	65.1
Free public wifi has improved access to city services	61.0
CCTV cameras has made residents feel safer	60.7
A website or App allows residents to effectively monitor air pollution	35.0
Arranging medical appointments online has improved access	53.3

Mobility

Car-sharing Apps have reduced congestion	42.4
Apps that direct you to an available parking space have reduced journey time	42.8
Bicycle hiring has reduced congestion	48.5
Online scheduling and ticket sales has made public transport easier to use	62.7
The city provides information on traffic congestion through mobile phones	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	68.8
IT skills are taught well in schools	64.9
Online services provided by the city has made it easier to start a new business	51.3
The current internet speed and reliability meet connectivity needs	73.9

Governance

Online public access to city finances has reduced corruption	43.3
Online voting has increased participation	60.2
An online platform where residents can propose ideas has improved city life	47.7
Processing Identification Documents online has reduced waiting times	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)

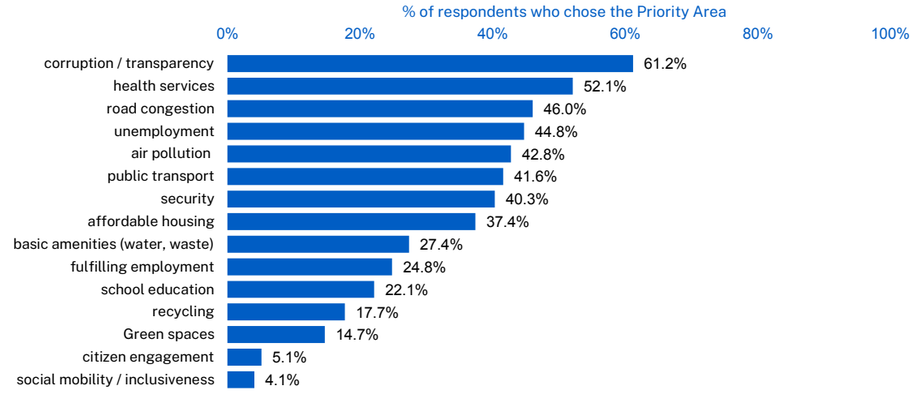


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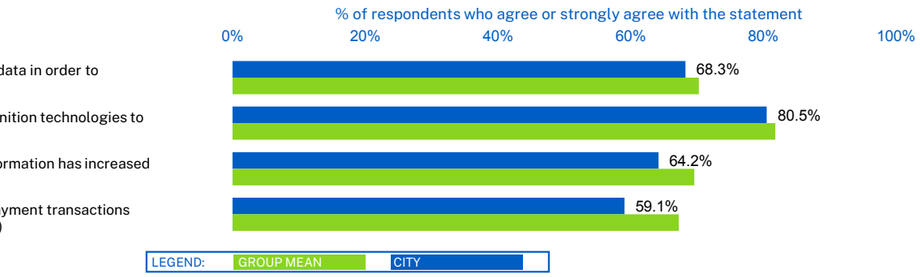
Country Philippines	2019	2020	2021	2022	1 yr change
HDI	0.696	0.696	0.700	0.706	+0.006
Life expectancy at birth	71.9	72.1	69.3	72.2	+2.9
Expected years of schooling	13.0	12.8	12.8	12.8	+0.0
Mean years of schooling	9.0	9.0	9.0	9.0	+0.0
GNI per capita (PPP $)	9,590	8,355	8,369	9,059	+690

PRIORITY AREAS

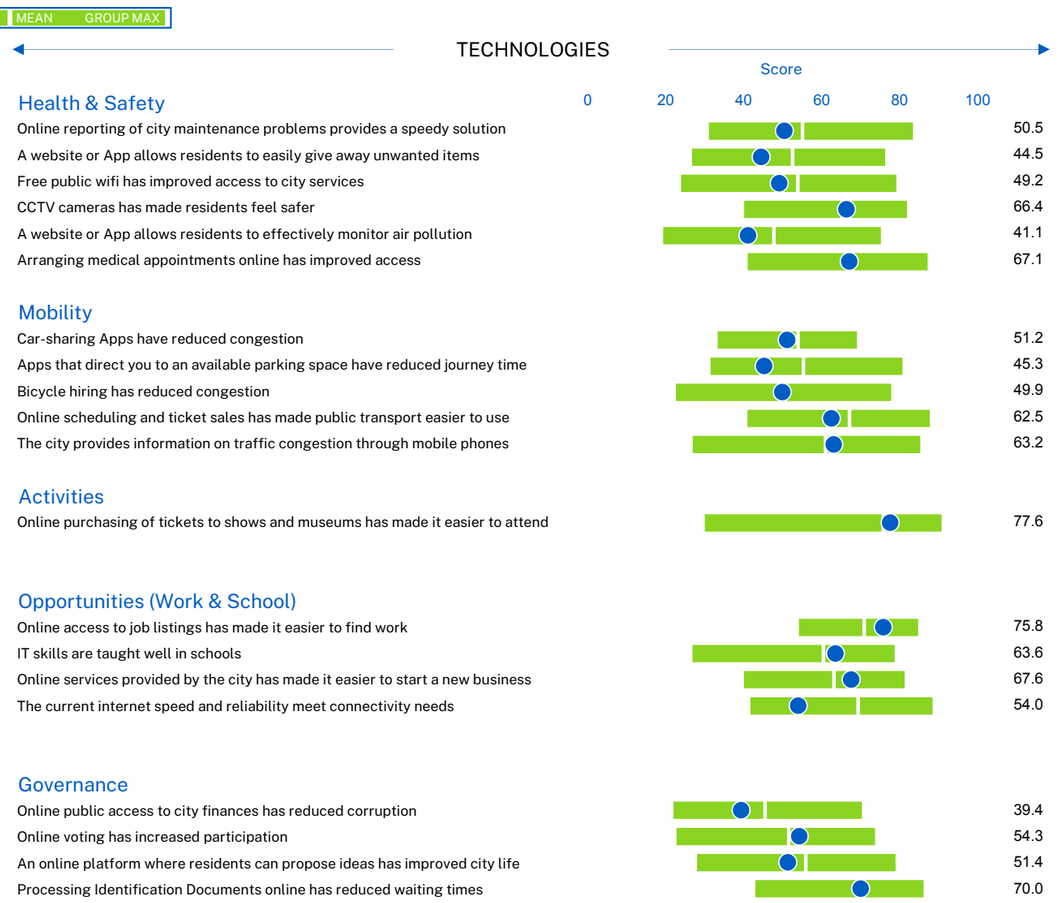
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)



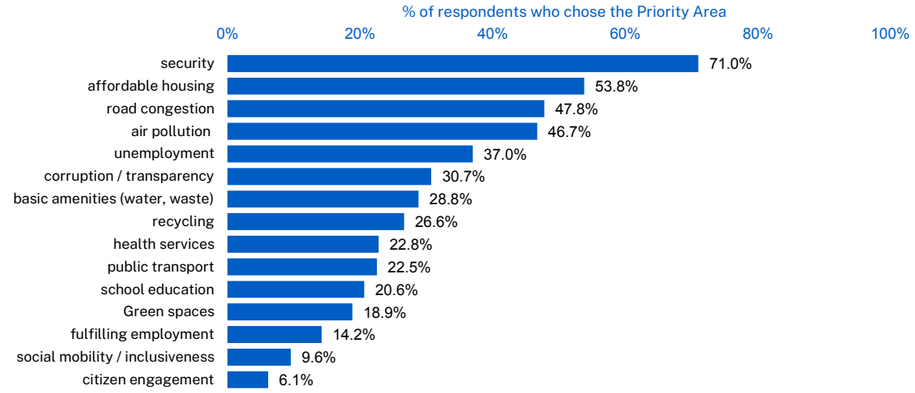
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

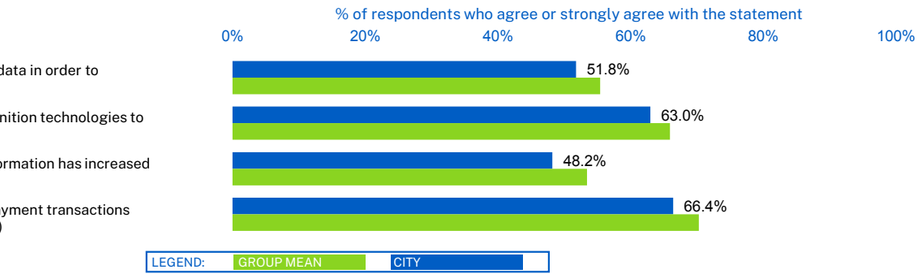
France	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP $)	46,907	42,891	46,322	47,379	+1,057

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





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)

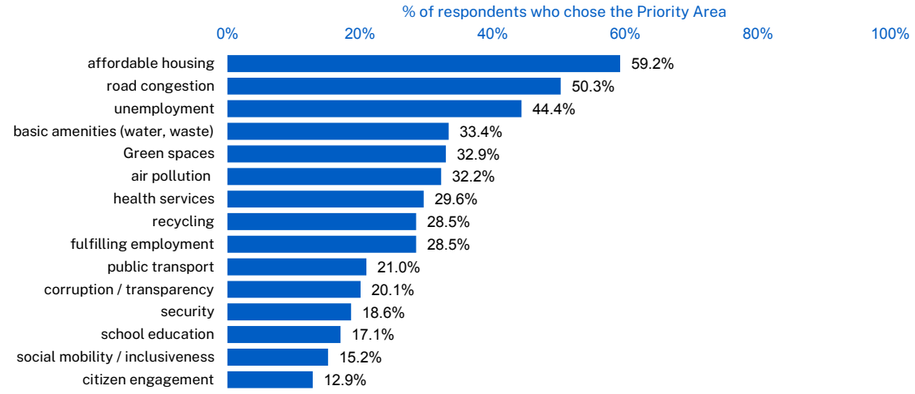


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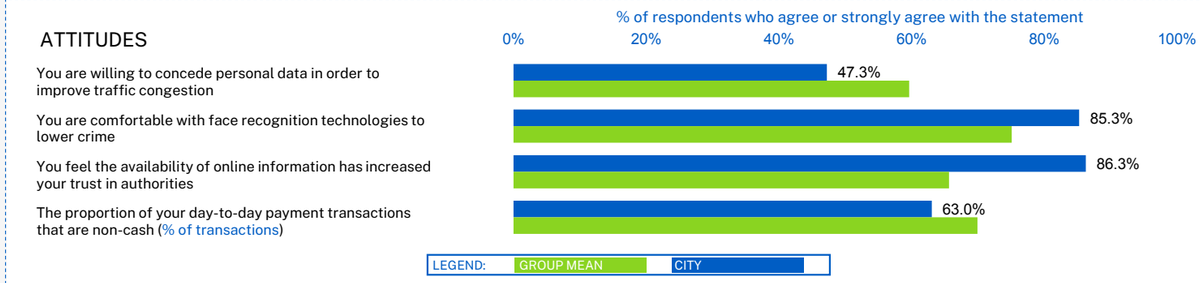
Country Saudi Arabia	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP $)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

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





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)



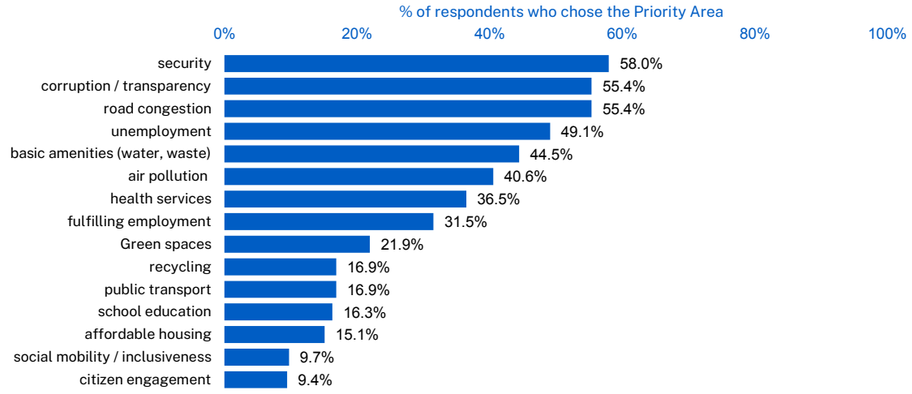
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

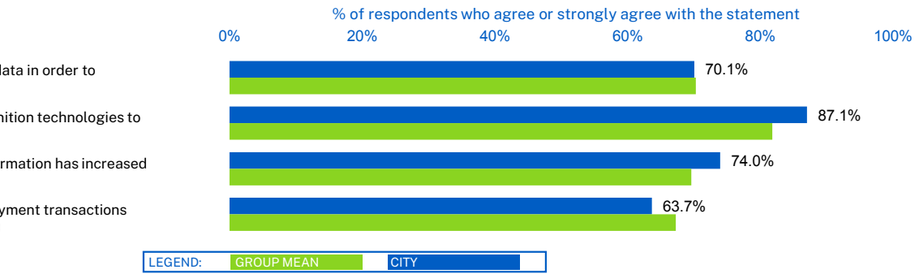
Indonesia	2019	2020	2021	2022	1 yr change
HDI	0.698	0.701	0.708	0.712	+0.004
Life expectancy at birth	70.5	68.8	67.6	68.3	+0.7
Expected years of schooling	13.9	14.0	14.0	14.0	+0.0
Mean years of schooling	8.4	8.6	8.6	8.6	+0.0
GNI per capita (PPP $)	11,498	11,206	11,531	12,046	+514

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





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)

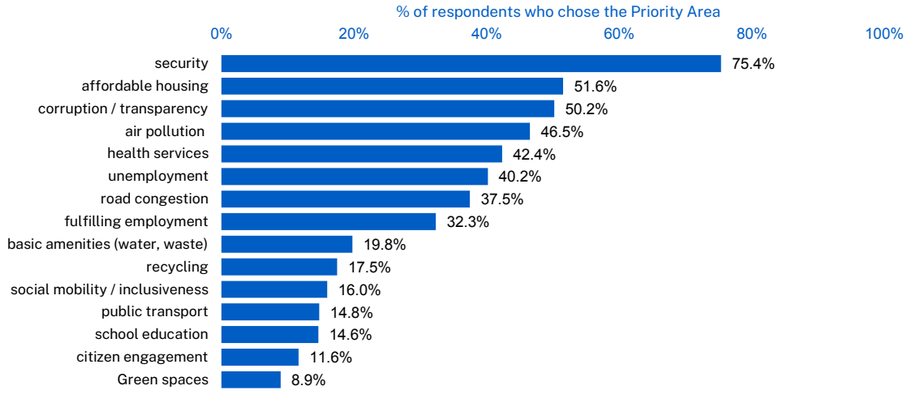


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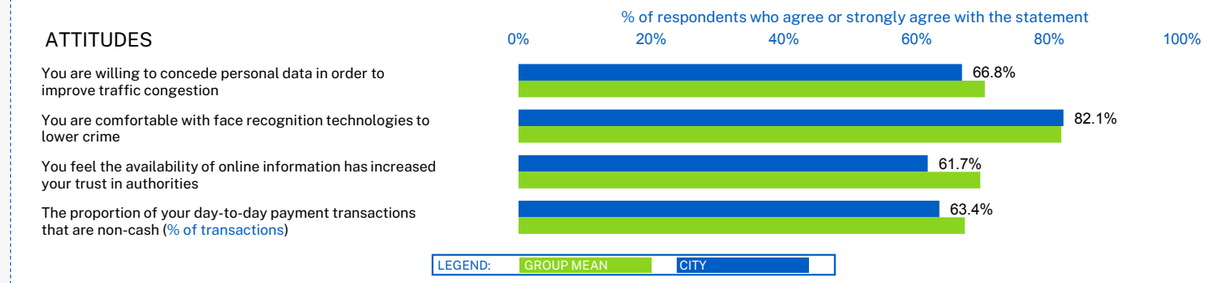
Country Colombia	2019	2020	2021	2022	1 yr change
HDI	0.758	0.763	0.765	0.766	+0.001
Life expectancy at birth	76.8	74.8	72.8	73.7	+0.8
Expected years of schooling	14.5	14.4	14.4	14.4	+0.0
Mean years of schooling	8.6	8.9	8.9	8.9	+0.0
GNI per capita (PPP $)	14,294	13,220	14,403	15,014	+611

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





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)



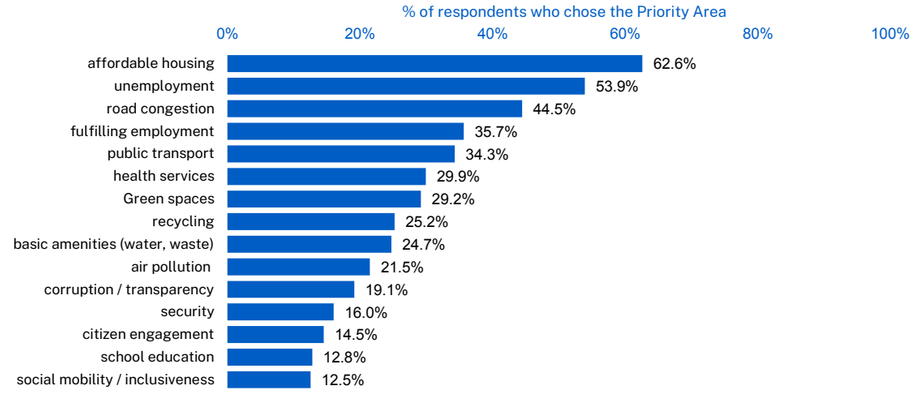
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Country

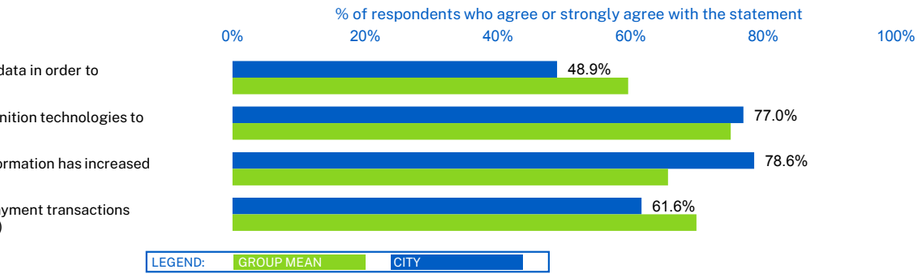
Saudi Arabia	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP $)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

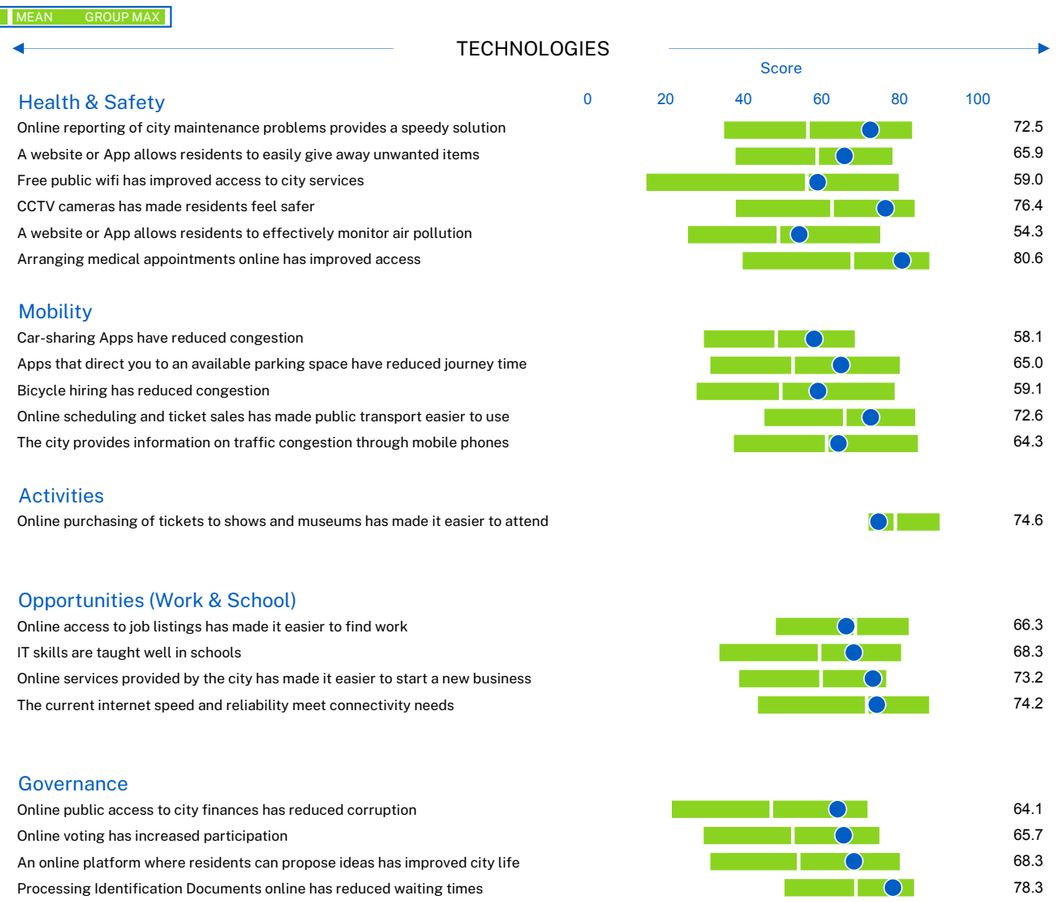
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)

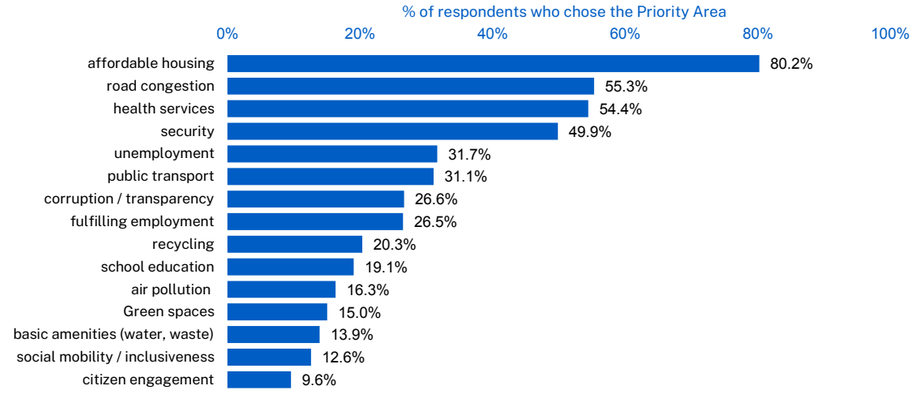


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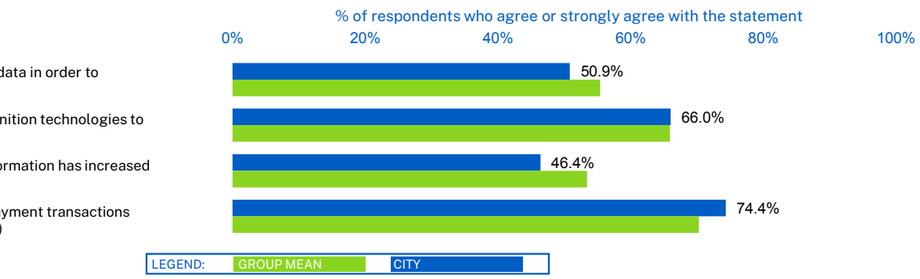
Country Australia	2019	2020	2021	2022	1 yr change
HDI	0.933	0.936	0.937	0.941	+0.004
Life expectancy at birth	83.1	84.3	84.5	83.6	-0.9
Expected years of schooling	21.4	20.9	21.1	21.1	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP $)	47,054	48,075	48,076	49,257	+1,181

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.



ATTITUDES





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)



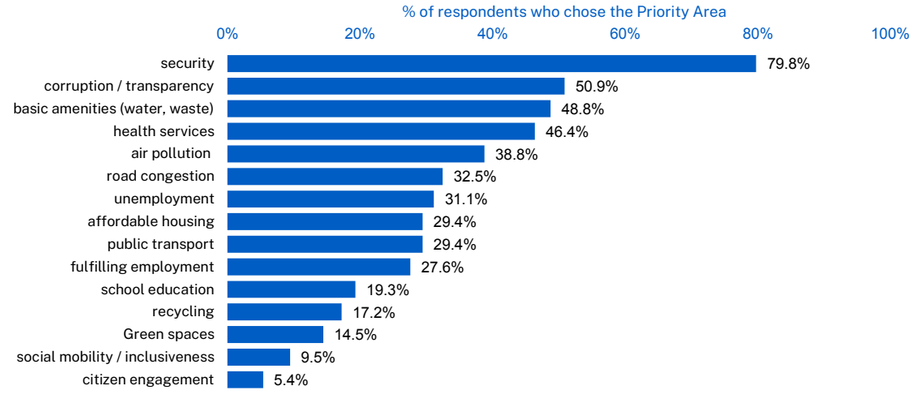
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Country

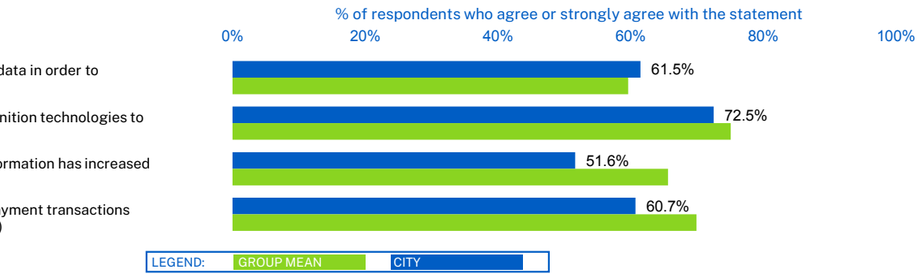
Mexico	2019	2020	2021	2022	1 yr change
HDI	0.769	0.773	0.776	0.779	+0.003
Life expectancy at birth	74.2	70.1	70.2	74.8	+4.6
Expected years of schooling	14.9	14.8	14.5	14.5	+0.0
Mean years of schooling	9.1	9.2	9.2	9.2	+0.0
GNI per capita (PPP $)	19,471	17,721	18,582	19,138	+556

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





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)



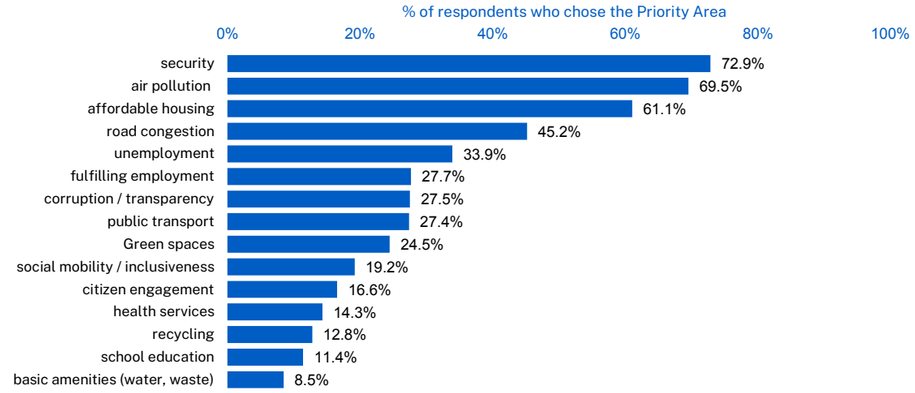
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Country

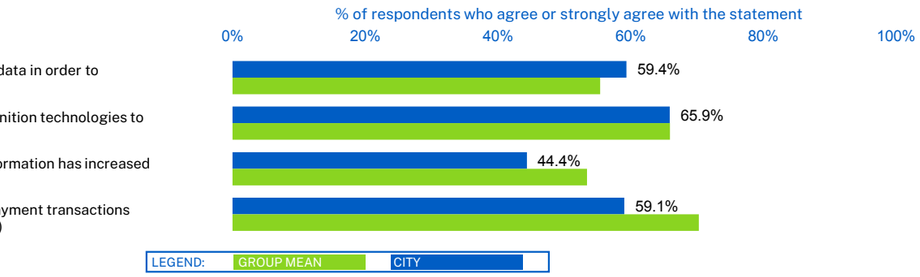
Italy	2019	2020	2021	2022	1 yr change
HDI	0.881	0.886	0.889	0.894	+0.005
Life expectancy at birth	83.6	82.4	82.9	84.1	+1.2
Expected years of schooling	16.4	16.5	16.7	16.7	+0.0
Mean years of schooling	10.7	10.7	10.7	10.7	+0.0
GNI per capita (PPP $)	43,102	39,587	42,856	44,284	+1,428

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





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)

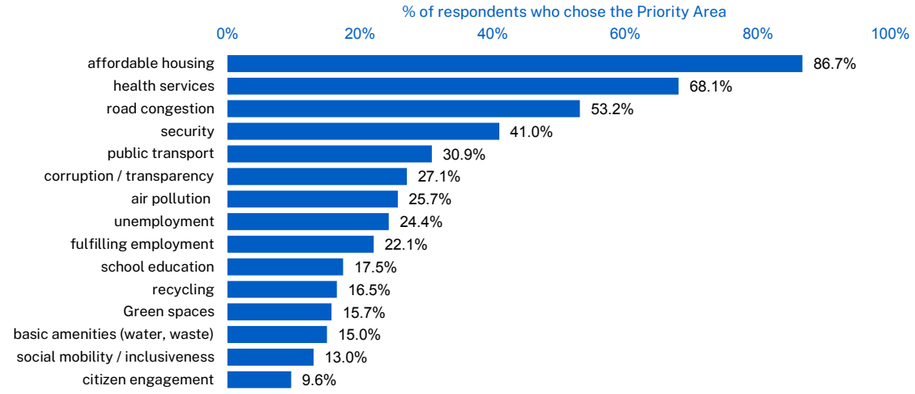


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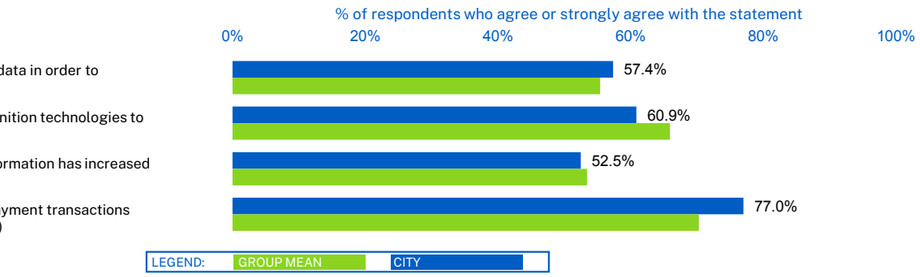
Country Canada	2019	2020	2021	2022	1 yr change
HDI	0.927	0.928	0.929	0.930	+0.001
Life expectancy at birth	82.4	82.0	82.7	82.8	+0.2
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	13.8	13.9	13.9	13.9	+0.0
GNI per capita (PPP $)	48,591	45,828	47,933	48,444	+512

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





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)



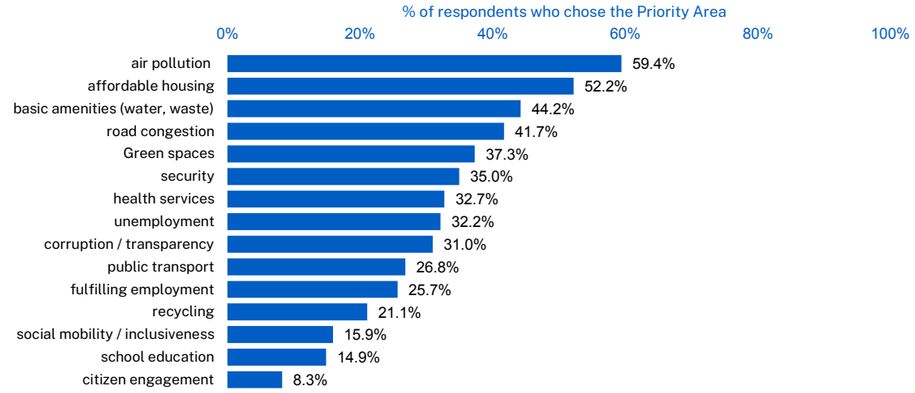
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Country

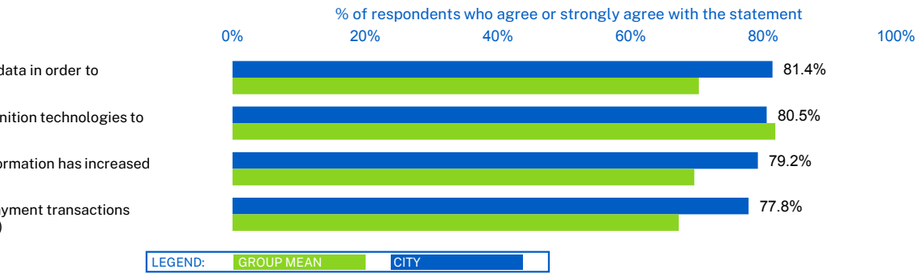
India	2019	2020	2021	2022	1 yr change
HDI	0.619	0.630	0.636	0.636	+0.000
Life expectancy at birth	70.9	70.2	67.2	67.7	+0.5
Expected years of schooling	11.4	11.7	12.0	12.6	+0.6
Mean years of schooling	6.3	6.5	6.5	6.6	+0.0
GNI per capita (PPP $)	6,554	6,090	6,542	6,951	+408

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





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)

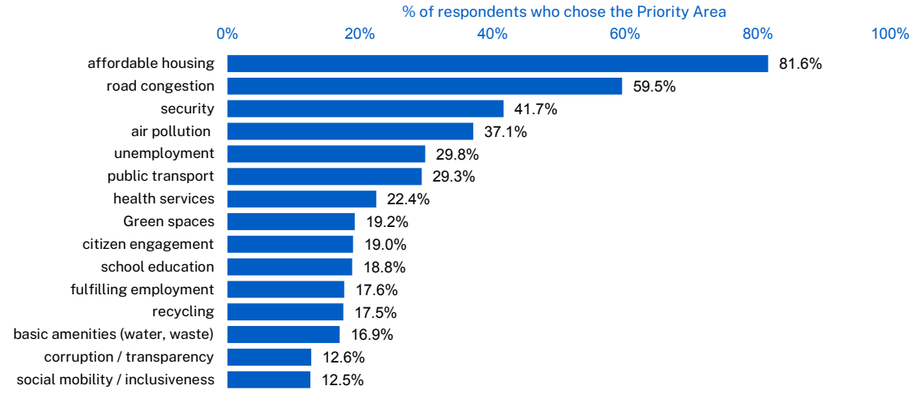


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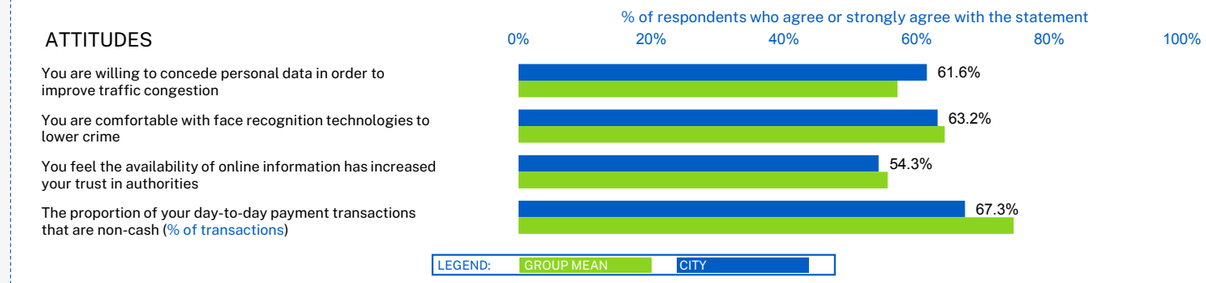
Country Germany	2019	2020	2021	2022	1 yr change
HDI	0.941	0.941	0.944	0.946	+0.002
Life expectancy at birth	81.6	81.1	80.6	81.0	+0.4
Expected years of schooling	17.2	17.2	17.3	17.3	+0.0
Mean years of schooling	14.2	14.3	14.3	14.3	+0.0
GNI per capita (PPP $)	55,685	53,375	55,057	55,340	+284

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





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)



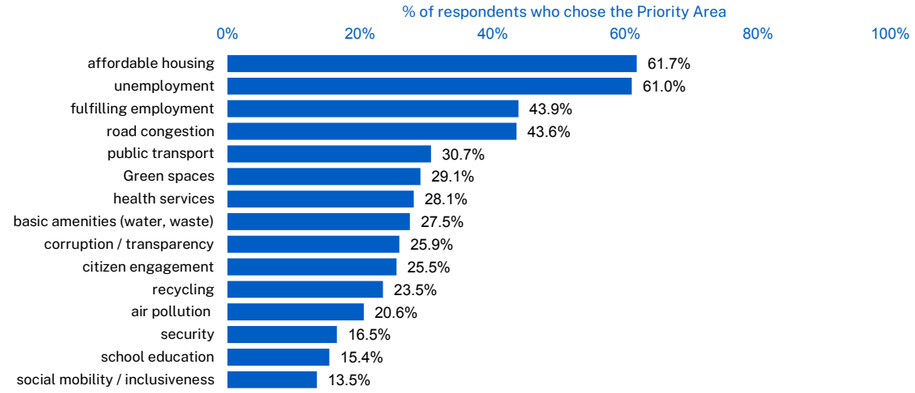
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Country

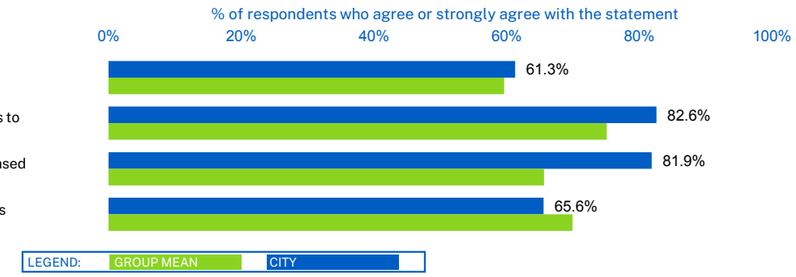
Oman	2019	2020	2021	2022	1 yr change
HDI	0.824	0.832	0.833	0.838	+0.005
Life expectancy at birth	78.0	74.8	72.5	73.9	+1.4
Expected years of schooling	14.0	13.2	13.0	13.0	+0.0
Mean years of schooling	11.4	11.9	11.9	11.9	+0.0
GNI per capita (PPP $)	31,513	30,926	31,995	32,967	+972

PRIORITY AREAS

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





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)

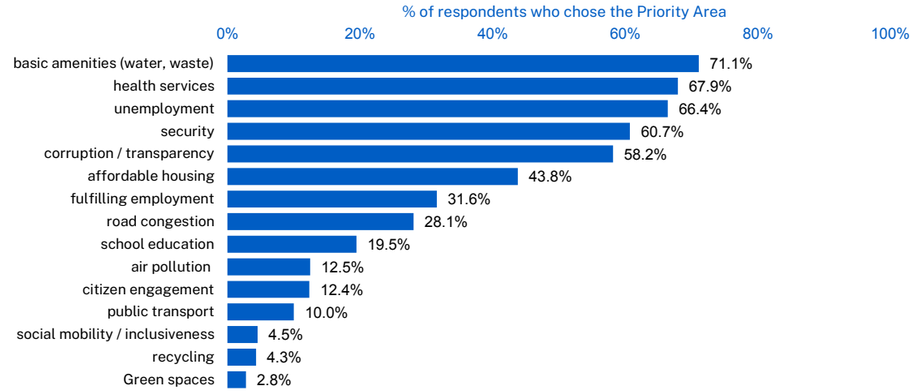


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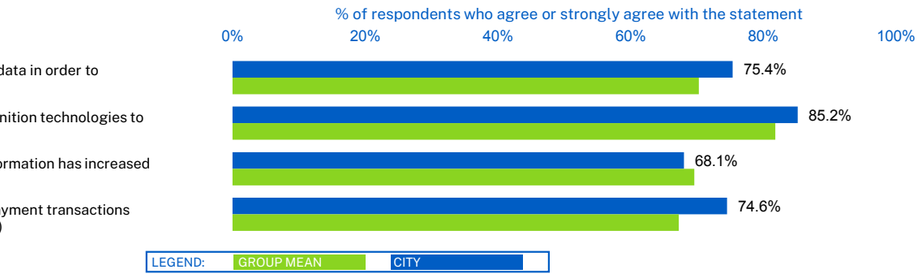
Country Kenya	2019	2020	2021	2022	1 yr change
HDI	0.575	0.586	0.591	0.598	+0.007
Life expectancy at birth	62.9	62.7	61.4	62.1	+0.6
Expected years of schooling	11.3	11.4	11.4	11.4	+0.0
Mean years of schooling	8.0	7.7	7.7	7.7	+0.0
GNI per capita (PPP $)	4,528	4,420	4,666	4,808	+142

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





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)



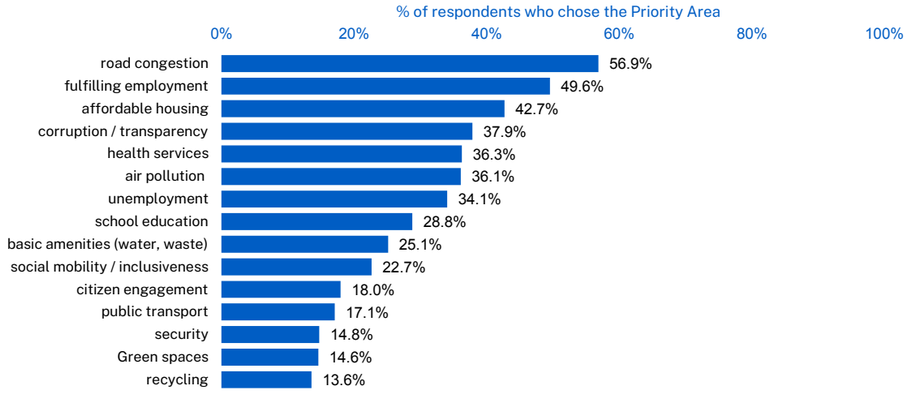
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Country

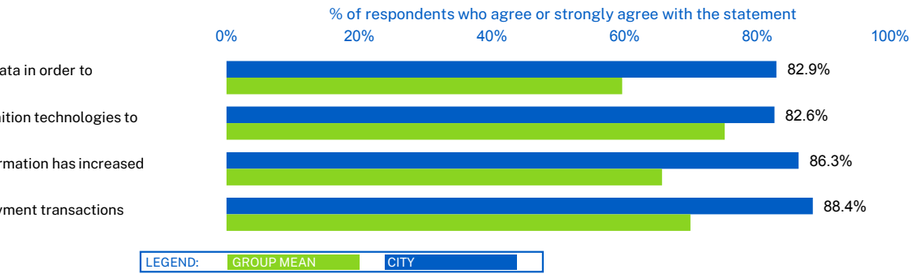
China	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP $)	15,934	16,168	17,499	18,025	+526

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.



ATTITUDES





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)



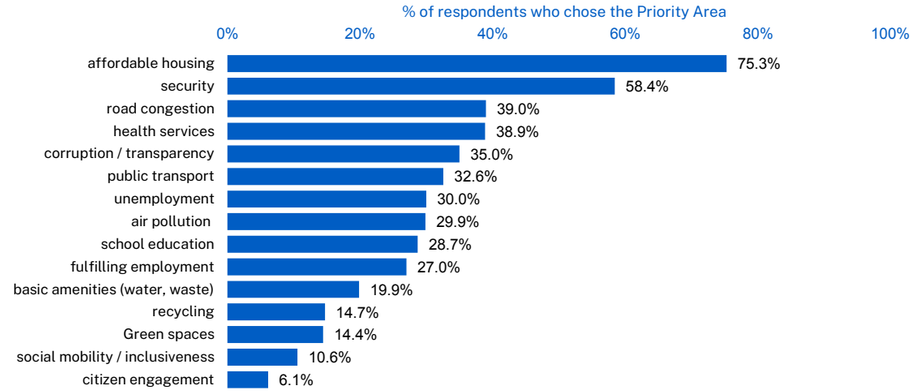
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Country

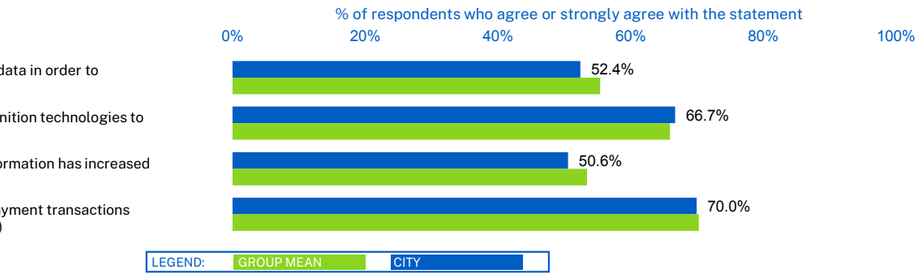
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	59.5
Recycling services are satisfactory	68.5
Public safety is not a problem	34.9
Air pollution is not a problem	34.1
Medical services provision is satisfactory	62.6
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	34.0

Mobility

Traffic congestion is not a problem	25.4
Public transport is satisfactory	53.8

Activities

Green spaces are satisfactory	60.3
Cultural activities (shows, bars, and museums) are satisfactory	79.9

Opportunities (Work & School)

Employment finding services are readily available	63.1
Most children have access to a good school	56.4
Lifelong learning opportunities are provided by local institutions	63.8
Businesses are creating new jobs	61.6
Minorities feel welcome	63.1

Governance

Information on local government decisions are easily accessible	60.9
Corruption of city officials is not an issue of concern	32.9
Residents contribute to decision making of local government	50.6
Residents provide feedback on local government projects	57.2

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	47.0
A website or App allows residents to easily give away unwanted items	57.4
Free public wifi has improved access to city services	62.5
CCTV cameras has made residents feel safer	57.1
A website or App allows residents to effectively monitor air pollution	46.6
Arranging medical appointments online has improved access	65.4

Mobility

Car-sharing Apps have reduced congestion	46.3
Apps that direct you to an available parking space have reduced journey time	48.9
Bicycle hiring has reduced congestion	50.0
Online scheduling and ticket sales has made public transport easier to use	62.5
The city provides information on traffic congestion through mobile phones	62.9

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	77.1

Opportunities (Work & School)

Online access to job listings has made it easier to find work	66.3
IT skills are taught well in schools	49.9
Online services provided by the city has made it easier to start a new business	53.7
The current internet speed and reliability meet connectivity needs	72.0

Governance

Online public access to city finances has reduced corruption	42.2
Online voting has increased participation	57.5
An online platform where residents can propose ideas has improved city life	50.5
Processing Identification Documents online has reduced waiting times	60.9

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 (Eurostat) 300,000

HDI (Global Data Lab) 0.911



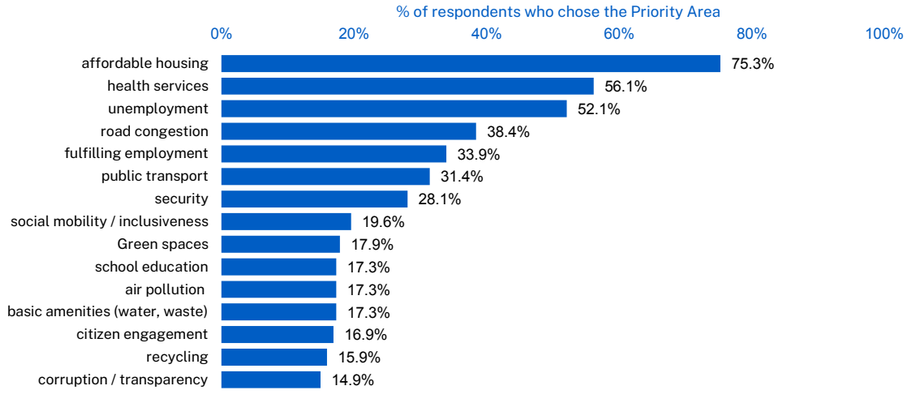
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Country

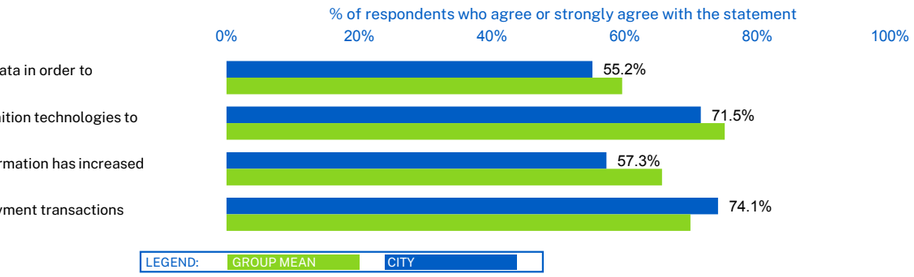
United Kingdom	2019	2020	2021	2022	1 yr change
HDI	0.923	0.926	0.929	0.928	-0.001
Life expectancy at birth	81.7	80.4	80.7	82.2	+1.4
Expected years of schooling	17.2	17.2	17.6	17.6	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	47,066	40,799	44,750	46,624	+1,874

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





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 (Eurostat) 900,000

HDI (Global Data Lab) 0.907



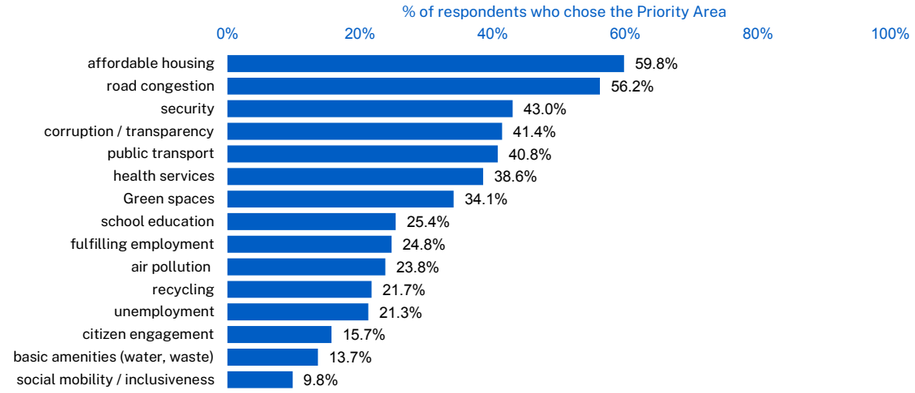
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

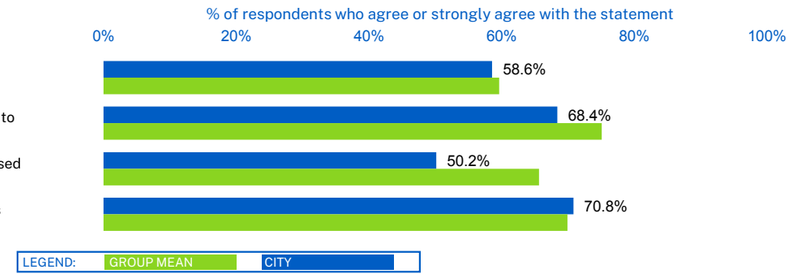
Cyprus	2019	2020	2021	2022	1 yr change
HDI	0.874	0.881	0.891	0.896	+0.005
Life expectancy at birth	81.4	81.4	81.2	81.9	+0.7
Expected years of schooling	16.0	16.2	16.2	16.2	+0.0
Mean years of schooling	12.4	12.4	12.4	12.4	+0.0
GNI per capita (PPP $)	39,467	36,716	38,169	40,137	+1,968

PRIORITY AREAS

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





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)



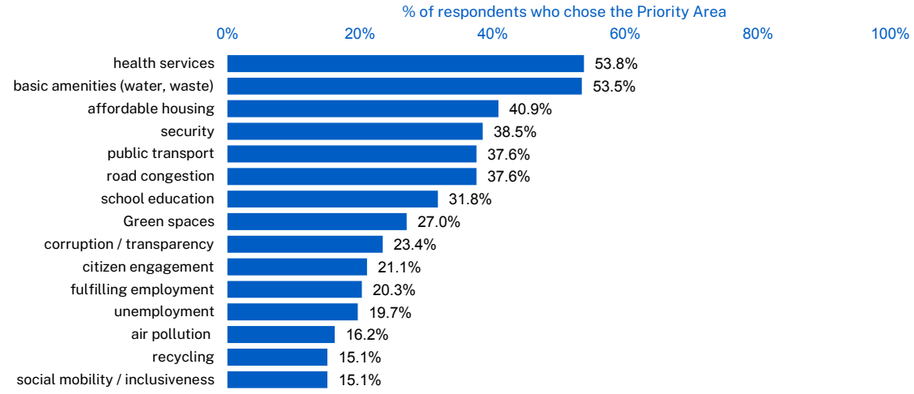
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Country

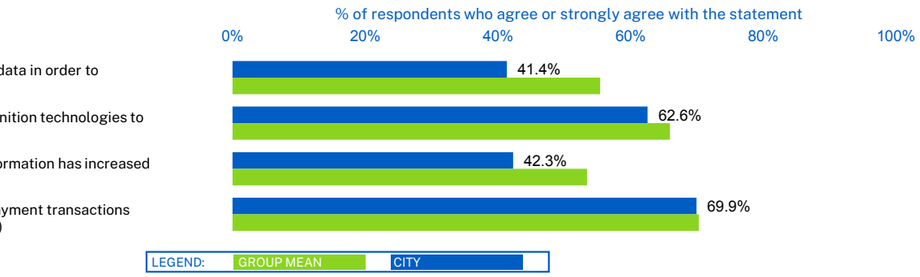
Japan	2019	2020	2021	2022	1 yr change
HDI	0.913	0.914	0.916	0.917	+0.001
Life expectancy at birth	84.4	84.7	84.8	84.8	+0.0
Expected years of schooling	15.4	15.5	15.5	15.5	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP $)	43,276	41,446	43,008	43,644	+636

PRIORITY AREAS

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





Oslo

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)



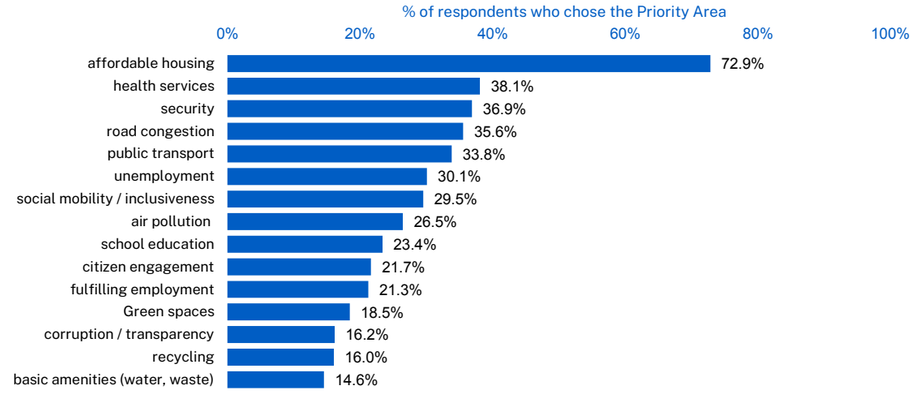
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Country

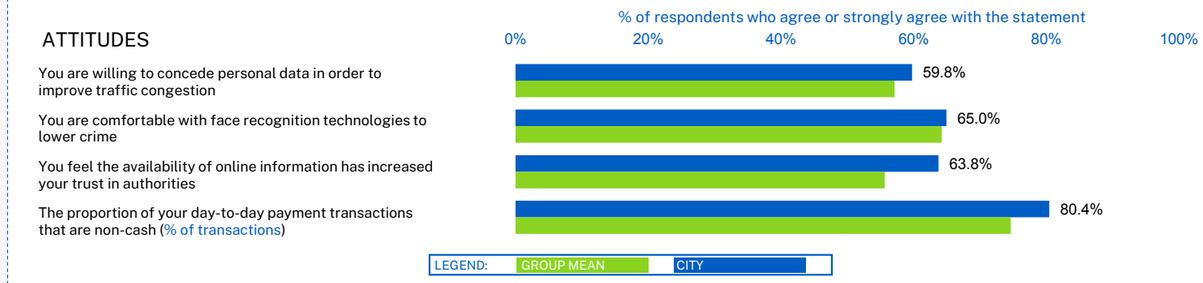
Norway	2019	2020	2021	2022	1 yr change
HDI	0.952	0.956	0.959	0.960	+0.001
Life expectancy at birth	83.0	83.2	83.2	83.4	+0.2
Expected years of schooling	18.2	18.3	18.6	18.6	+0.0
Mean years of schooling	13.0	13.1	13.1	13.1	+0.0
GNI per capita (PPP $)	66,977	66,258	67,597	69,190	+1,593

PRIORITY AREAS

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





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)



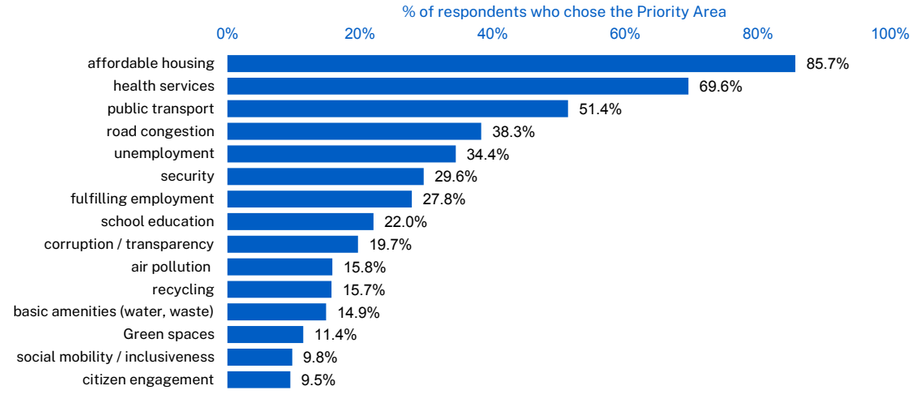
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Country

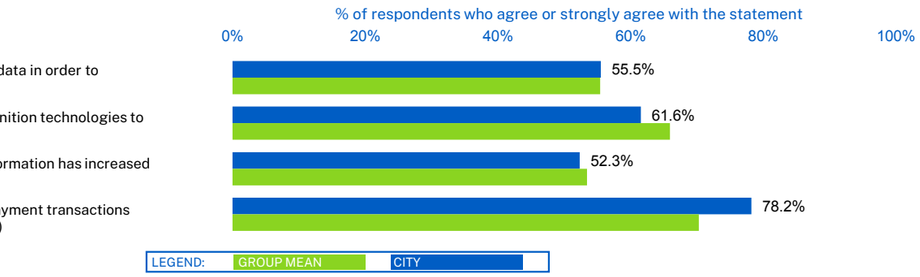
Canada	2019	2020	2021	2022	1 yr change
HDI	0.927	0.928	0.929	0.930	+0.001
Life expectancy at birth	82.4	82.0	82.7	82.8	+0.2
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	13.8	13.9	13.9	13.9	+0.0
GNI per capita (PPP $)	48,591	45,828	47,933	48,444	+512

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





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)



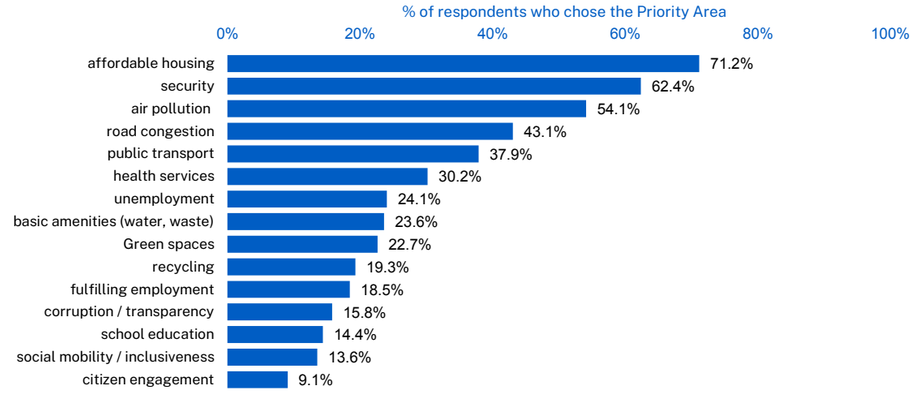
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Country

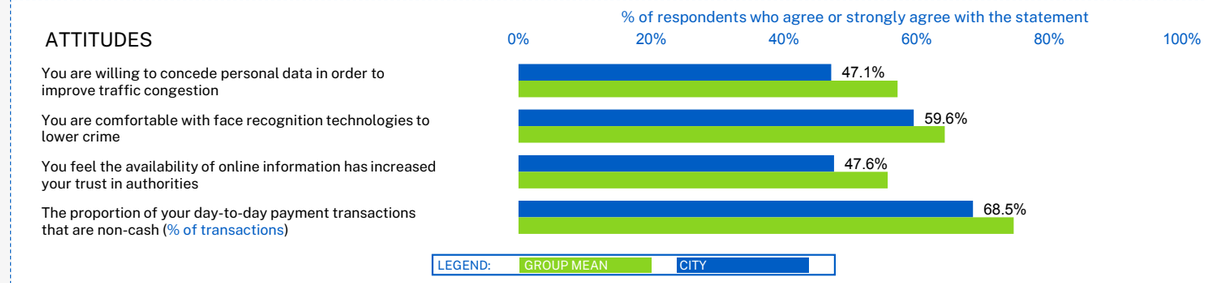
France	2019	2020	2021	2022	1 yr change
HDI	0.893	0.896	0.899	0.903	+0.004
Life expectancy at birth	82.7	82.2	82.5	83.2	+0.7
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	11.6	11.7	11.7	11.7	+0.0
GNI per capita (PPP $)	46,907	42,891	46,322	47,379	+1,057

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





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)



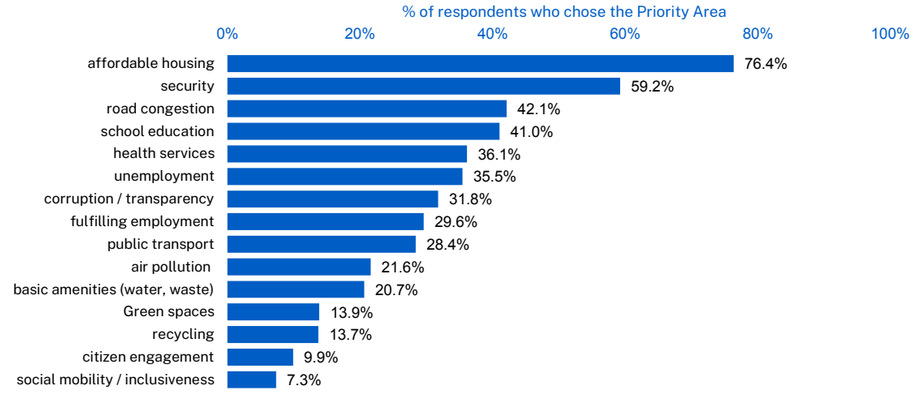
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Country

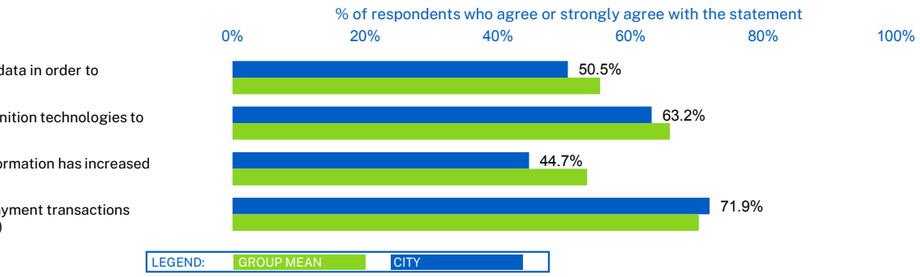
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas	43.8
Recycling services are satisfactory	57.9
Public safety is not a problem	26.0
Air pollution is not a problem	31.6
Medical services provision is satisfactory	59.6
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	28.6

Mobility

Traffic congestion is not a problem	23.2
Public transport is satisfactory	46.9

Activities

Green spaces are satisfactory	49.2
Cultural activities (shows, bars, and museums) are satisfactory	76.6

Opportunities (Work & School)

Employment finding services are readily available	58.4
Most children have access to a good school	45.3
Lifelong learning opportunities are provided by local institutions	54.6
Businesses are creating new jobs	55.2
Minorities feel welcome	59.5

Governance

Information on local government decisions are easily accessible	55.8
Corruption of city officials is not an issue of concern	33.6
Residents contribute to decision making of local government	44.2
Residents provide feedback on local government projects	53.5

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	35.7
A website or App allows residents to easily give away unwanted items	52.4
Free public wifi has improved access to city services	49.8
CCTV cameras has made residents feel safer	46.6
A website or App allows residents to effectively monitor air pollution	38.1
Arranging medical appointments online has improved access	61.1

Mobility

Car-sharing Apps have reduced congestion	43.6
Apps that direct you to an available parking space have reduced journey time	43.6
Bicycle hiring has reduced congestion	40.4
Online scheduling and ticket sales has made public transport easier to use	57.9
The city provides information on traffic congestion through mobile phones	53.3

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	73.8

Opportunities (Work & School)

Online access to job listings has made it easier to find work	61.5
IT skills are taught well in schools	42.9
Online services provided by the city has made it easier to start a new business	44.8
The current internet speed and reliability meet connectivity needs	63.8

Governance

Online public access to city finances has reduced corruption	35.6
Online voting has increased participation	53.6
An online platform where residents can propose ideas has improved city life	44.0
Processing Identification Documents online has reduced waiting times	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)



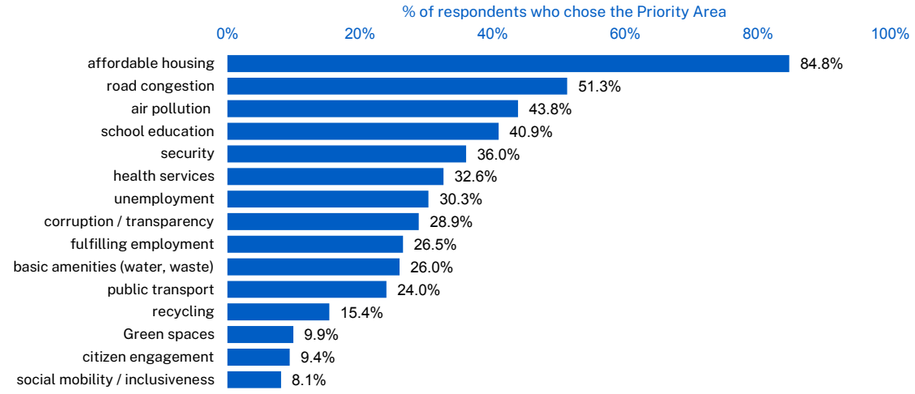
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Country

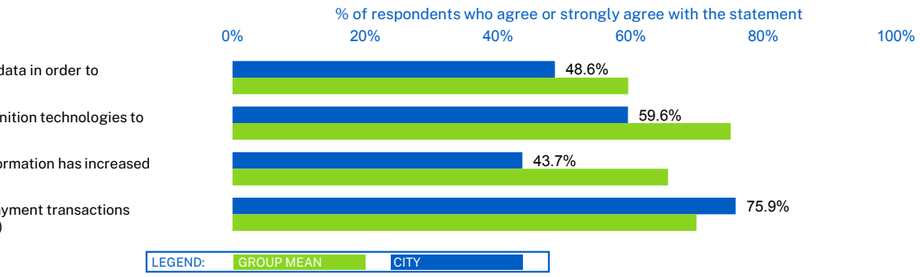
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

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.



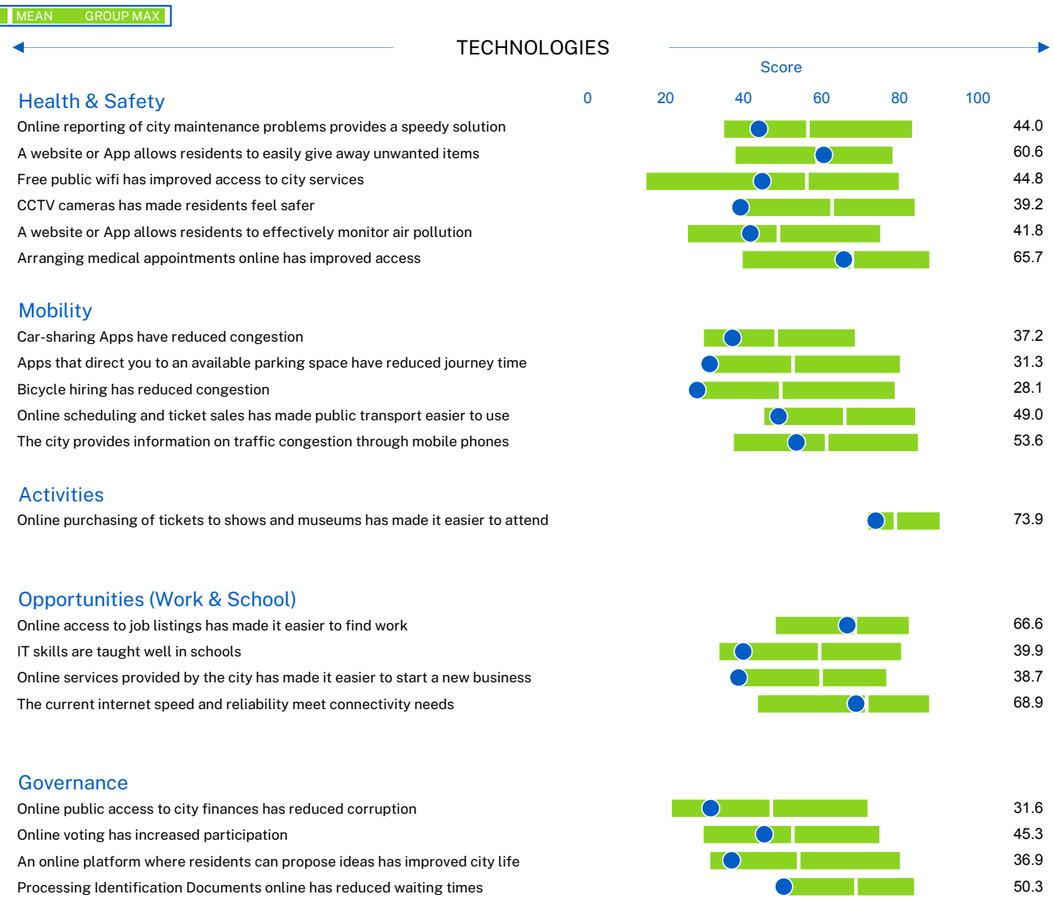
ATTITUDES



STRUCTURES



TECHNOLOGIES



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)

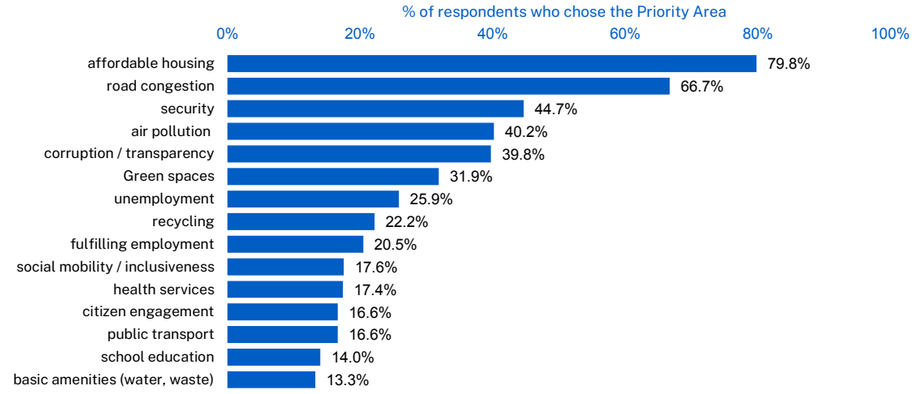


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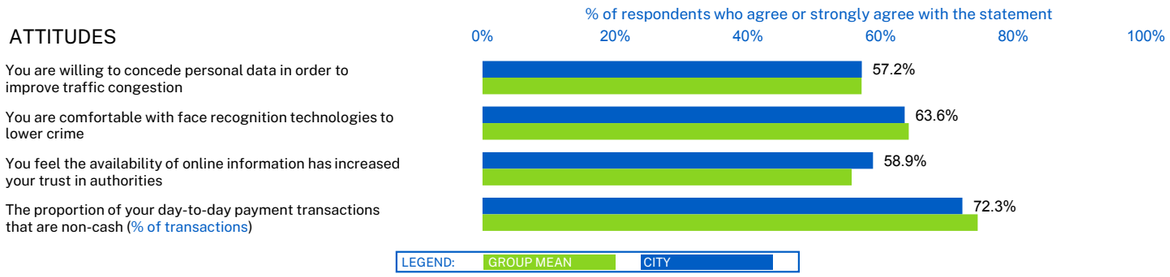
Country Czechia	2019	2020	2021	2022	1 yr change
HDI	0.891	0.894	0.896	0.893	-0.003
Life expectancy at birth	79.2	78.6	77.7	78.1	+0.4
Expected years of schooling	16.1	16.1	16.3	16.3	+0.0
Mean years of schooling	12.9	12.9	12.9	12.9	+0.0
GNI per capita (PPP $)	38,512	36,696	39,061	39,945	+884

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





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)

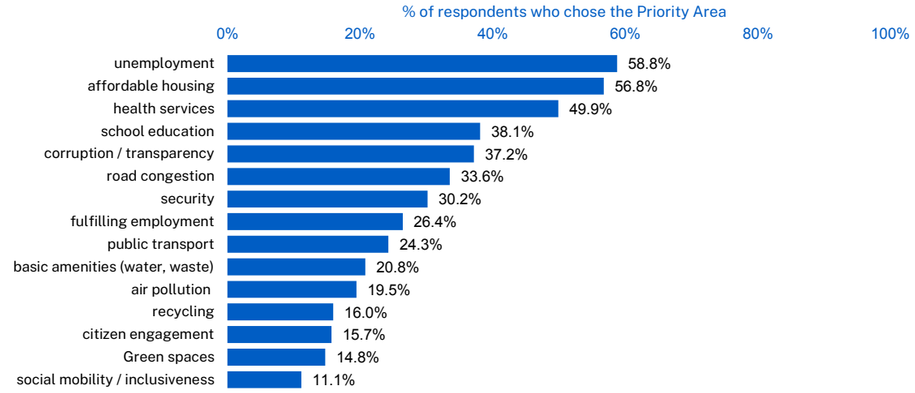


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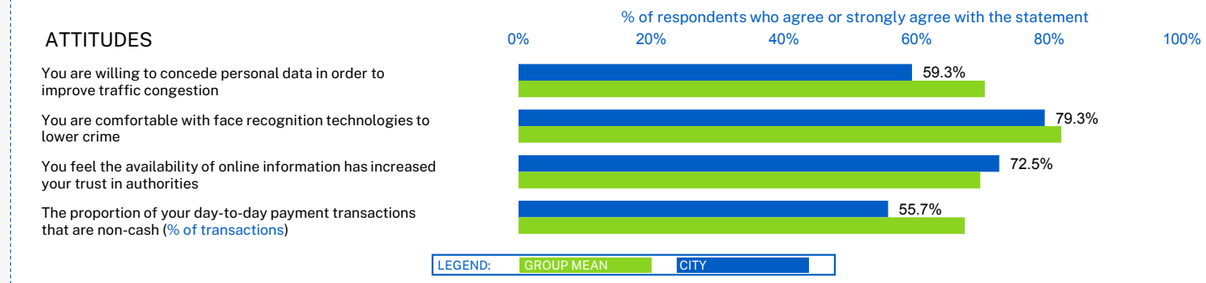
Country Morocco	2019	2020	2021	2022	1 yr change
HDI	0.656	0.662	0.671	0.677	+0.006
Life expectancy at birth	74.3	73.9	74.0	75.0	+0.9
Expected years of schooling	13.7	13.9	14.0	14.6	+0.6
Mean years of schooling	5.9	6.1	6.1	6.1	+0.0
GNI per capita (PPP $)	8,093	7,474	7,948	7,955	+7

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.



ATTITUDES





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 *(Eurostat)*	240,000
HDI *(Global Data Lab)*	0.959

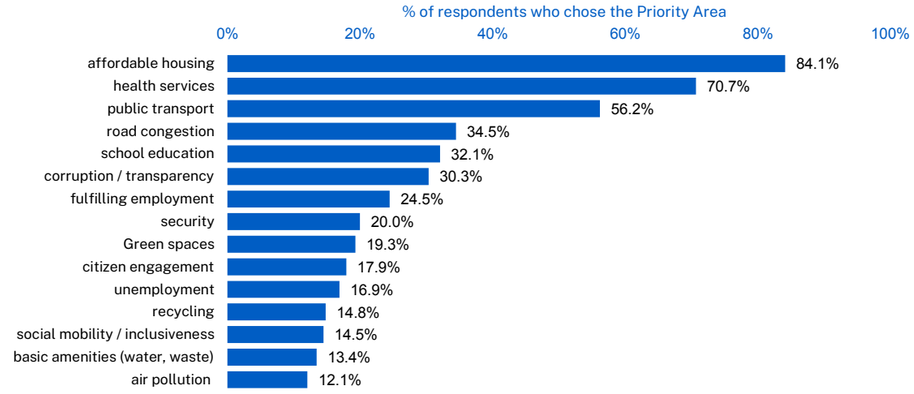


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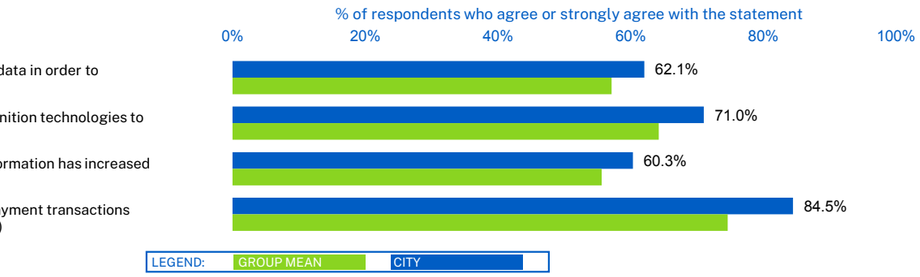
Country Iceland	2019	2020	2021	2022	1 yr change
HDI	0.948	0.951	0.955	0.958	+0.003
Life expectancy at birth	82.4	82.6	82.7	82.8	+0.1
Expected years of schooling	18.2	18.2	19.1	19.1	+0.0
Mean years of schooling	13.7	13.8	13.8	13.8	+0.0
GNI per capita (PPP $)	56,453	51,984	52,671	54,688	+2,017

PRIORITY AREAS

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





Riga

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)



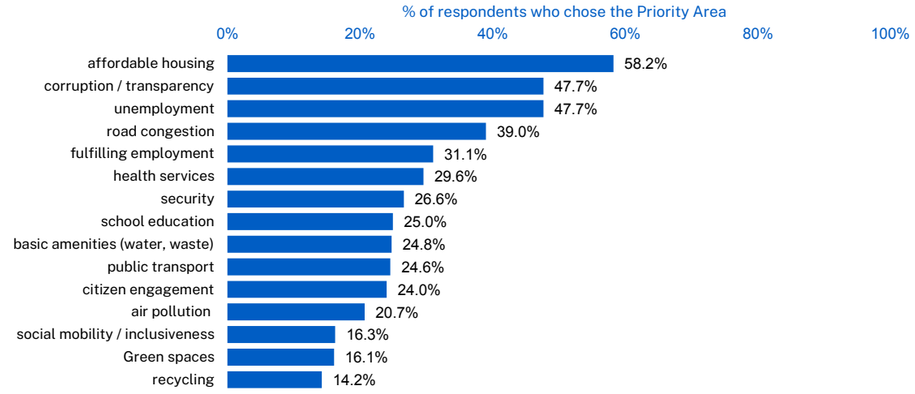
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Country

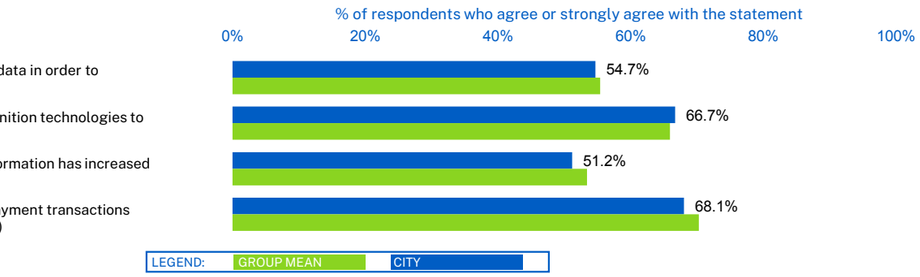
Latvia	2019	2020	2021	2022	1 yr change
HDI	0.853	0.858	0.863	0.868	+0.005
Life expectancy at birth	75.5	75.5	73.6	75.9	+2.3
Expected years of schooling	16.5	16.5	16.6	16.6	+0.0
Mean years of schooling	13.3	13.3	13.3	13.3	+0.0
GNI per capita (PPP $)	30,570	30,562	31,443	32,083	+640

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	Score
Basic sanitation meets the needs of the poorest areas	62.8
Recycling services are satisfactory	67.5
Public safety is not a problem	59.1
Air pollution is not a problem	52.2
Medical services provision is satisfactory	53.2
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	35.4

Mobility

	Score
Traffic congestion is not a problem	38.3
Public transport is satisfactory	64.3

Activities

	Score
Green spaces are satisfactory	73.3
Cultural activities (shows, bars, and museums) are satisfactory	74.0

Opportunities (Work & School)

	Score
Employment finding services are readily available	61.7
Most children have access to a good school	67.9
Lifelong learning opportunities are provided by local institutions	60.9
Businesses are creating new jobs	51.7
Minorities feel welcome	45.3

Governance

	Score
Information on local government decisions are easily accessible	55.5
Corruption of city officials is not an issue of concern	33.3
Residents contribute to decision making of local government	39.6
Residents provide feedback on local government projects	53.8

TECHNOLOGIES

Score

Health & Safety

	Score
Online reporting of city maintenance problems provides a speedy solution	52.7
A website or App allows residents to easily give away unwanted items	57.6
Free public wifi has improved access to city services	59.6
CCTV cameras has made residents feel safer	57.1
A website or App allows residents to effectively monitor air pollution	43.1
Arranging medical appointments online has improved access	64.0

Mobility

	Score
Car-sharing Apps have reduced congestion	48.0
Apps that direct you to an available parking space have reduced journey time	48.0
Bicycle hiring has reduced congestion	47.0
Online scheduling and ticket sales has made public transport easier to use	71.3
The city provides information on traffic congestion through mobile phones	48.8

Activities

	Score
Online purchasing of tickets to shows and museums has made it easier to attend	78.0

Opportunities (Work & School)

	Score
Online access to job listings has made it easier to find work	71.2
IT skills are taught well in schools	52.7
Online services provided by the city has made it easier to start a new business	48.9
The current internet speed and reliability meet connectivity needs	76.8

Governance

	Score
Online public access to city finances has reduced corruption	38.3
Online voting has increased participation	47.7
An online platform where residents can propose ideas has improved city life	48.3
Processing Identification Documents online has reduced waiting times	66.6

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)



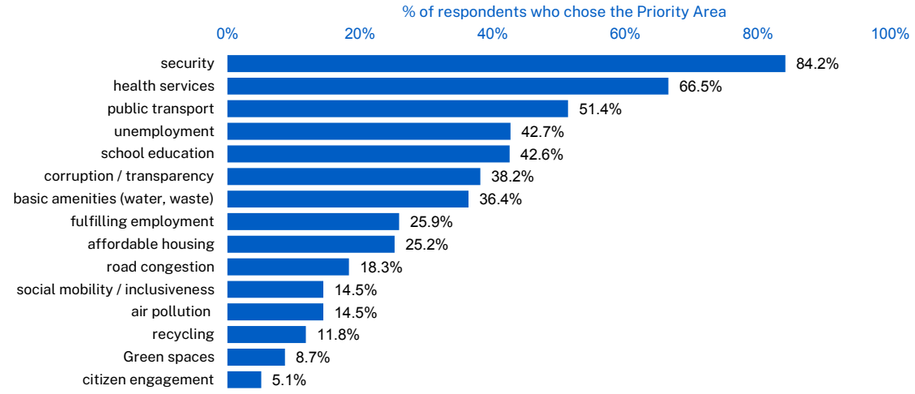
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Country

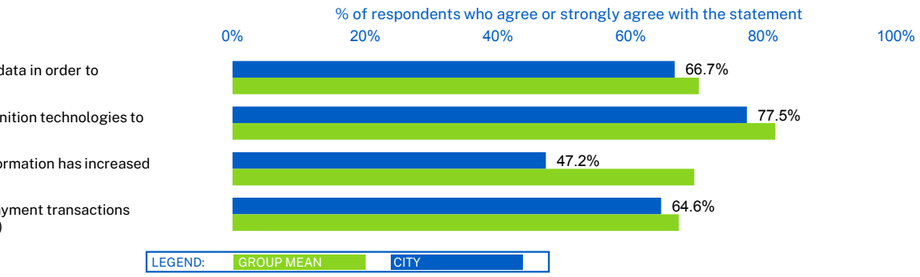
Brazil	2019	2020	2021	2022	1 yr change
HDI	0.752	0.753	0.758	0.762	+0.004
Life expectancy at birth	75.3	74.0	72.8	73.4	+0.7
Expected years of schooling	15.4	15.4	15.6	15.6	+0.0
Mean years of schooling	8.1	8.3	8.3	8.3	+0.0
GNI per capita (PPP $)	14,291	13,815	14,342	14,616	+274

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





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)



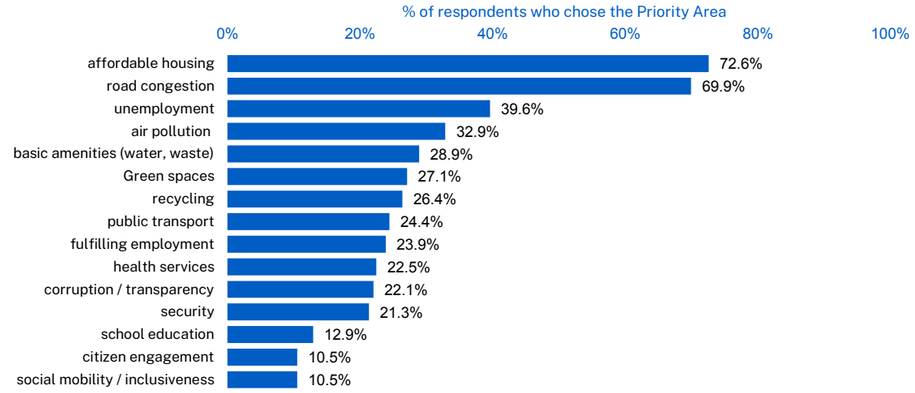
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Country

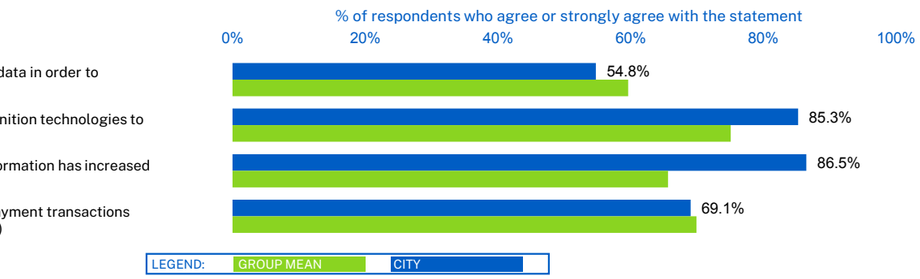
Saudi Arabia	2019	2020	2021	2022	1 yr change
HDI	0.842	0.846	0.849	0.856	+0.007
Life expectancy at birth	77.3	76.2	76.9	77.9	+1.0
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	10.9	11.3	11.3	11.3	+0.0
GNI per capita (PPP $)	47,529	45,563	47,441	50,620	+3,179

PRIORITY AREAS

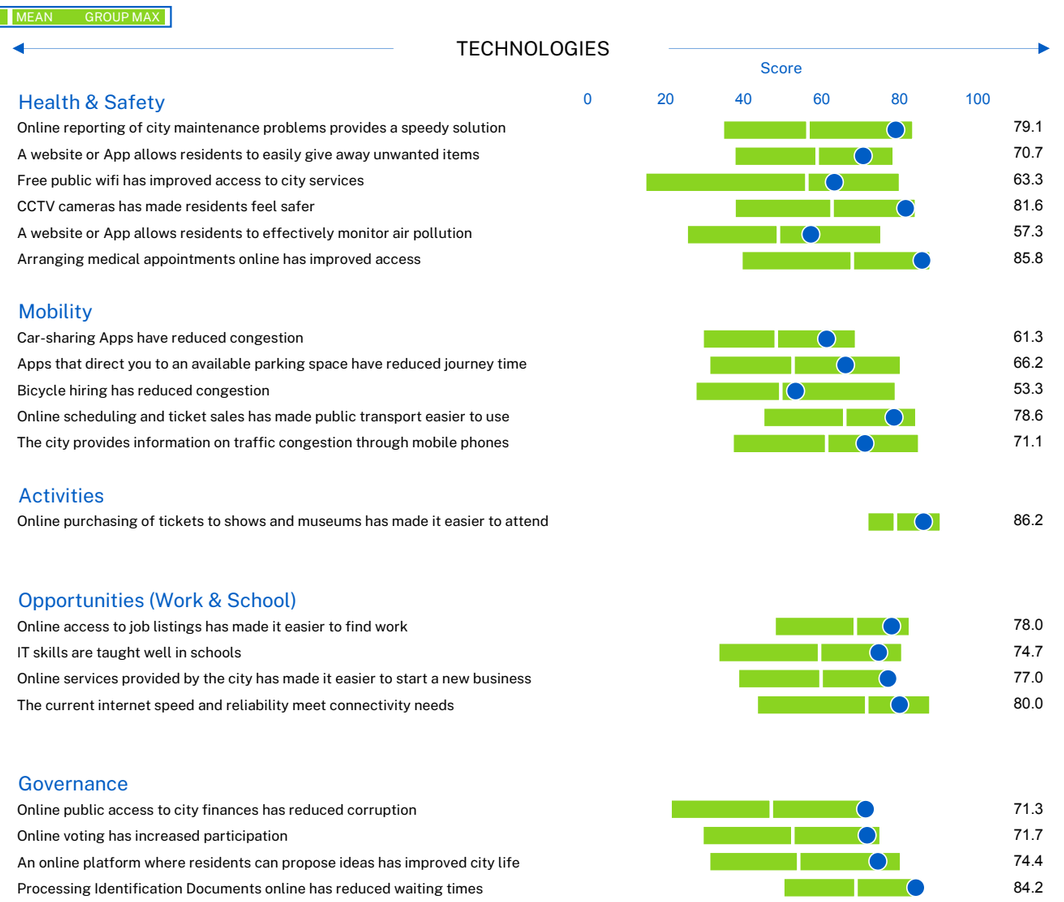
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







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)



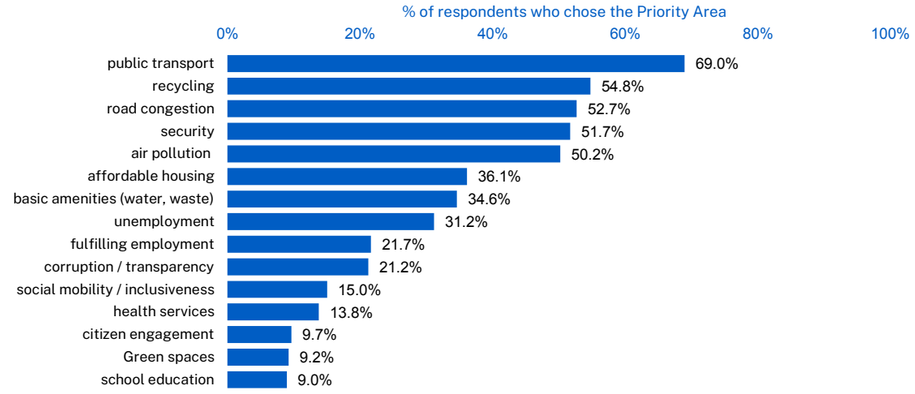
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Country

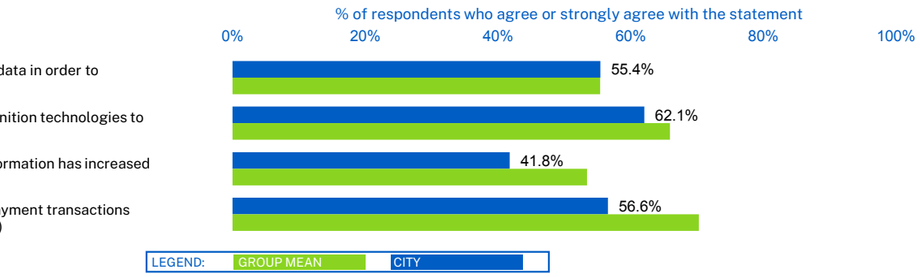
Italy	2019	2020	2021	2022	1 yr change
HDI	0.881	0.886	0.889	0.894	+0.005
Life expectancy at birth	83.6	82.4	82.9	84.1	+1.2
Expected years of schooling	16.4	16.5	16.7	16.7	+0.0
Mean years of schooling	10.7	10.7	10.7	10.7	+0.0
GNI per capita (PPP $)	43,102	39,587	42,856	44,284	+1,428

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





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)

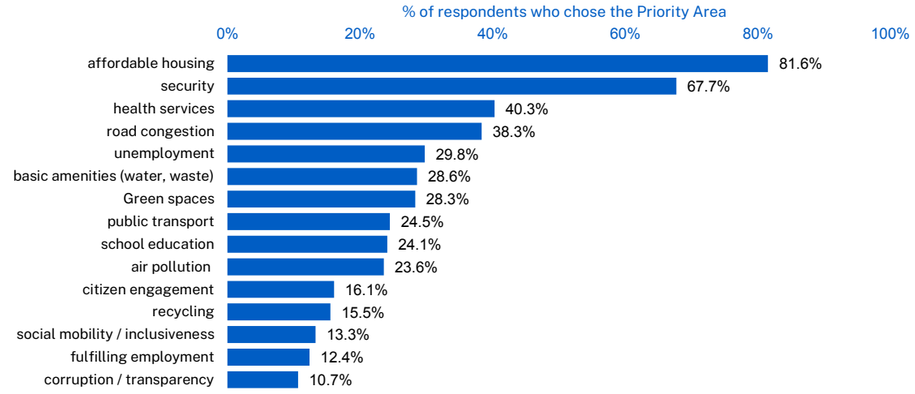


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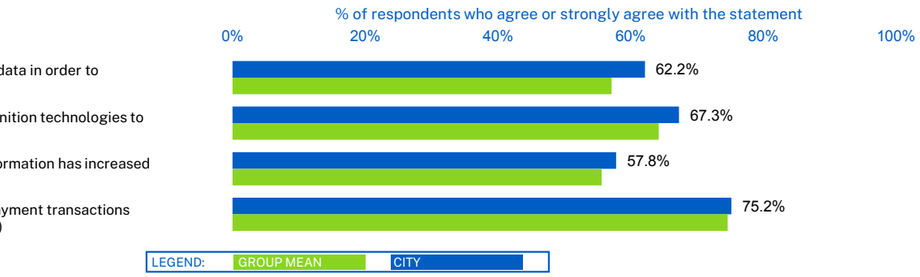
Country Netherlands	2019	2020	2021	2022	1 yr change
HDI	0.932	0.933	0.936	0.939	+0.003
Life expectancy at birth	82.0	81.6	81.7	82.5	+0.8
Expected years of schooling	18.4	18.4	18.6	18.6	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP $)	55,628	52,500	55,355	57,278	+1,923

PRIORITY AREAS

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





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

2

GROUP

All ratings range from AAA to D

BACKGROUND INFORMATION

City

Population 790,000
(UN World Urbanization Prospects)

HDI 0.935
(Global Data Lab)

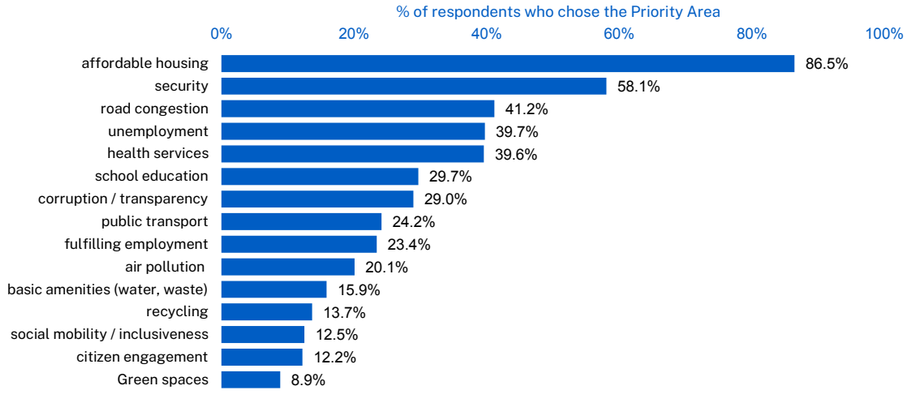


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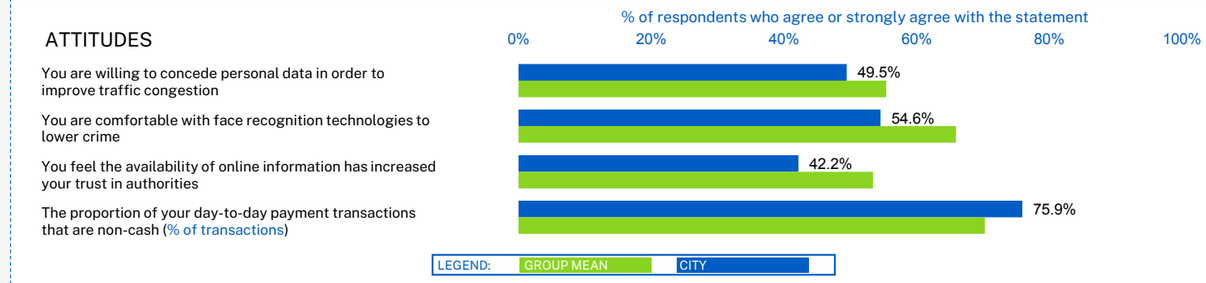
Country United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

PRIORITY AREAS

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	42.8
Recycling services are satisfactory	62.6
Public safety is not a problem	25.3
Air pollution is not a problem	40.4
Medical services provision is satisfactory	60.1
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	16.6

Mobility

Traffic congestion is not a problem	19.8
Public transport is satisfactory	55.6

Activities

Green spaces are satisfactory	63.7
Cultural activities (shows, bars, and museums) are satisfactory	79.7

Opportunities (Work & School)

Employment finding services are readily available	54.1
Most children have access to a good school	53.3
Lifelong learning opportunities are provided by local institutions	59.0
Businesses are creating new jobs	49.8
Minorities feel welcome	60.6

Governance

Information on local government decisions are easily accessible	59.3
Corruption of city officials is not an issue of concern	32.9
Residents contribute to decision making of local government	51.4
Residents provide feedback on local government projects	63.2

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	36.9
A website or App allows residents to easily give away unwanted items	59.6
Free public wifi has improved access to city services	51.3
CCTV cameras has made residents feel safer	43.2
A website or App allows residents to effectively monitor air pollution	49.2
Arranging medical appointments online has improved access	60.8

Mobility

Car-sharing Apps have reduced congestion	48.0
Apps that direct you to an available parking space have reduced journey time	49.8
Bicycle hiring has reduced congestion	46.7
Online scheduling and ticket sales has made public transport easier to use	59.9
The city provides information on traffic congestion through mobile phones	57.2

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	74.5

Opportunities (Work & School)

Online access to job listings has made it easier to find work	58.3
IT skills are taught well in schools	45.7
Online services provided by the city has made it easier to start a new business	43.0
The current internet speed and reliability meet connectivity needs	62.0

Governance

Online public access to city finances has reduced corruption	32.8
Online voting has increased participation	56.9
An online platform where residents can propose ideas has improved city life	46.7
Processing Identification Documents online has reduced waiting times	54.6

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)



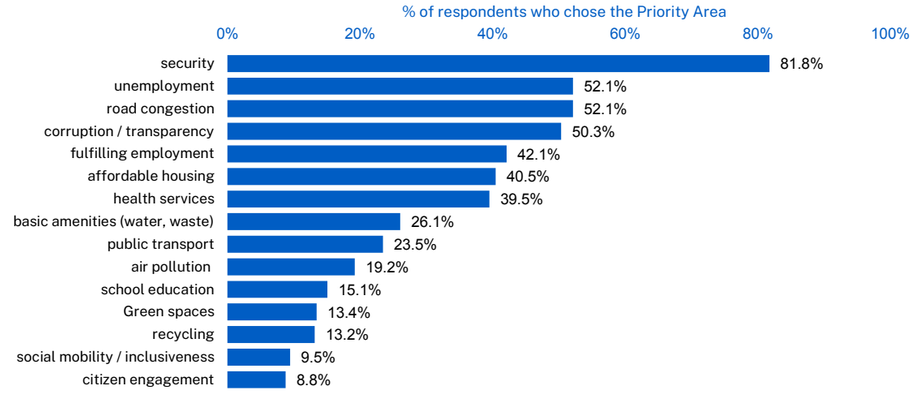
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Country

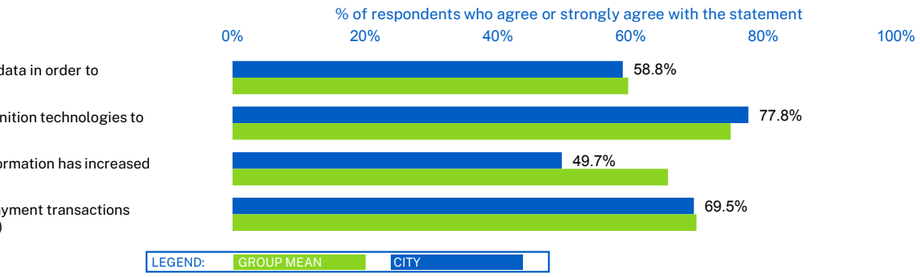
Costa Rica	2019	2020	2021	2022	1 yr change
HDI	0.792	0.796	0.800	0.804	+0.004
Life expectancy at birth	79.4	79.3	77.0	77.3	+0.3
Expected years of schooling	15.8	16.1	16.1	16.1	+0.0
Mean years of schooling	8.8	8.8	8.8	8.8	+0.0
GNI per capita (PPP $)	19,585	18,632	19,913	20,248	+335

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

	0 20 40 60 80 100
Basic sanitation meets the needs of the poorest areas	50.1
Recycling services are satisfactory	57.6
Public safety is not a problem	31.0
Air pollution is not a problem	41.7
Medical services provision is satisfactory	55.8
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	31.7

Mobility

Traffic congestion is not a problem	19.4
Public transport is satisfactory	38.6

Activities

Green spaces are satisfactory	69.2
Cultural activities (shows, bars, and museums) are satisfactory	73.9

Opportunities (Work & School)

Employment finding services are readily available	55.7
Most children have access to a good school	58.8
Lifelong learning opportunities are provided by local institutions	61.9
Businesses are creating new jobs	52.5
Minorities feel welcome	43.9

Governance

Information on local government decisions are easily accessible	48.0
Corruption of city officials is not an issue of concern	28.4
Residents contribute to decision making of local government	35.4
Residents provide feedback on local government projects	36.5

TECHNOLOGIES

Score

Health & Safety

	0 20 40 60 80 100
Online reporting of city maintenance problems provides a speedy solution	41.1
A website or App allows residents to easily give away unwanted items	37.8
Free public wifi has improved access to city services	52.8
CCTV cameras has made residents feel safer	52.1
A website or App allows residents to effectively monitor air pollution	32.7
Arranging medical appointments online has improved access	53.7

Mobility

Car-sharing Apps have reduced congestion	38.0
Apps that direct you to an available parking space have reduced journey time	42.3
Bicycle hiring has reduced congestion	27.8
Online scheduling and ticket sales has made public transport easier to use	48.6
The city provides information on traffic congestion through mobile phones	54.0

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	78.0

Opportunities (Work & School)

Online access to job listings has made it easier to find work	60.6
IT skills are taught well in schools	45.2
Online services provided by the city has made it easier to start a new business	44.8
The current internet speed and reliability meet connectivity needs	68.3

Governance

Online public access to city finances has reduced corruption	31.3
Online voting has increased participation	33.8
An online platform where residents can propose ideas has improved city life	35.7
Processing Identification Documents online has reduced waiting times	56.2

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)

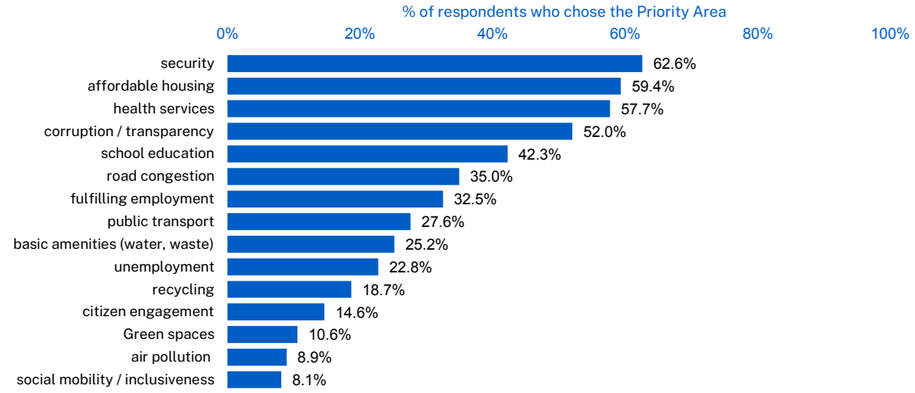


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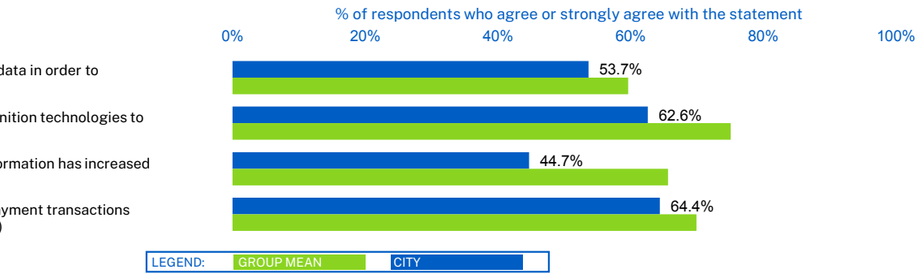
Country Puerto Rico	2019	2020	2021	2022	1 yr change
HDI	NA	NA	0.880	0.880	+0.000
Life expectancy at birth	79.1	78.0	80.2	79.7	-0.5
Expected years of schooling	17.6	-	-	16.6	-
Mean years of schooling	12.9	-	-	-	-
GNI per capita (PPP $)	25,210	25,140	22,590	24,780	+2,190

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas	49.2
Recycling services are satisfactory	46.5
Public safety is not a problem	35.0
Air pollution is not a problem	36.7
Medical services provision is satisfactory	47.2
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	18.8

Mobility

Traffic congestion is not a problem	19.4
Public transport is satisfactory	35.6

Activities

Green spaces are satisfactory	60.4
Cultural activities (shows, bars, and museums) are satisfactory	77.2

Opportunities (Work & School)

Employment finding services are readily available	50.1
Most children have access to a good school	38.2
Lifelong learning opportunities are provided by local institutions	49.1
Businesses are creating new jobs	48.5
Minorities feel welcome	48.0

Governance

Information on local government decisions are easily accessible	39.8
Corruption of city officials is not an issue of concern	18.8
Residents contribute to decision making of local government	30.1
Residents provide feedback on local government projects	40.9

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	34.8
A website or App allows residents to easily give away unwanted items	42.0
Free public wifi has improved access to city services	41.7
CCTV cameras has made residents feel safer	37.8
A website or App allows residents to effectively monitor air pollution	29.5
Arranging medical appointments online has improved access	45.7

Mobility

Car-sharing Apps have reduced congestion	41.1
Apps that direct you to an available parking space have reduced journey time	35.1
Bicycle hiring has reduced congestion	35.4
Online scheduling and ticket sales has made public transport easier to use	51.4
The city provides information on traffic congestion through mobile phones	58.0

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	77.6

Opportunities (Work & School)

Online access to job listings has made it easier to find work	61.2
IT skills are taught well in schools	43.1
Online services provided by the city has made it easier to start a new business	40.1
The current internet speed and reliability meet connectivity needs	54.7

Governance

Online public access to city finances has reduced corruption	21.4
Online voting has increased participation	43.9
An online platform where residents can propose ideas has improved city life	34.6
Processing Identification Documents online has reduced waiting times	61.2

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)



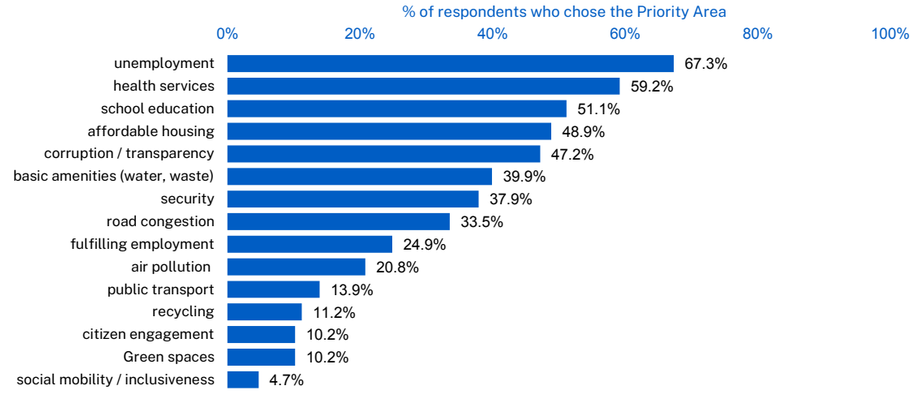
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Country

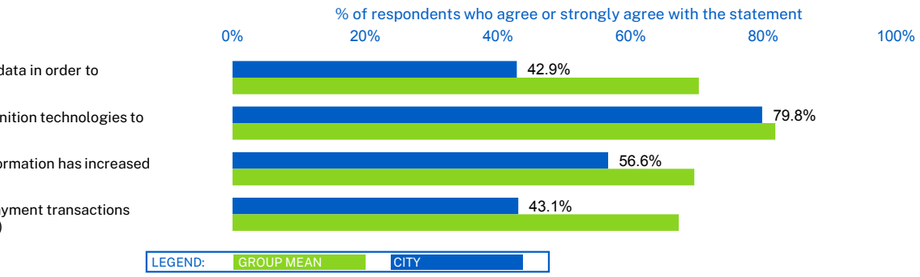
Yemen	2019	2020	2021	2022	1 yr change
HDI	0.455	0.443	0.432	0.427	-0.005
Life expectancy at birth	65.1	64.7	63.8	63.7	-0.0
Expected years of schooling	7.9	7.9	7.9	7.9	+0.0
Mean years of schooling	2.7	2.8	2.8	2.8	+0.0
GNI per capita (PPP $)	1,165	1,152	1,112	1,106	-6

PRIORITY AREAS

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



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score

Health & Safety

Basic sanitation meets the needs of the poorest areas	47.0
Recycling services are satisfactory	40.9
Public safety is not a problem	33.7
Air pollution is not a problem	15.6
Medical services provision is satisfactory	40.8
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	33.5

Mobility

Traffic congestion is not a problem	19.5
Public transport is satisfactory	42.2

Activities

Green spaces are satisfactory	42.3
Cultural activities (shows, bars, and museums) are satisfactory	41.7

Opportunities (Work & School)

Employment finding services are readily available	21.3
Most children have access to a good school	38.1
Lifelong learning opportunities are provided by local institutions	29.4
Businesses are creating new jobs	34.1
Minorities feel welcome	48.9

Governance

Information on local government decisions are easily accessible	36.1
Corruption of city officials is not an issue of concern	20.6
Residents contribute to decision making of local government	28.6
Residents provide feedback on local government projects	31.7

TECHNOLOGIES

Score

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	34.4
A website or App allows residents to easily give away unwanted items	39.1
Free public wifi has improved access to city services	39.2
CCTV cameras has made residents feel safer	71.9
A website or App allows residents to effectively monitor air pollution	34.2
Arranging medical appointments online has improved access	51.7

Mobility

Car-sharing Apps have reduced congestion	33.2
Apps that direct you to an available parking space have reduced journey time	40.6
Bicycle hiring has reduced congestion	49.1
Online scheduling and ticket sales has made public transport easier to use	46.2
The city provides information on traffic congestion through mobile phones	26.8

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	29.9

Opportunities (Work & School)

Online access to job listings has made it easier to find work	54.0
IT skills are taught well in schools	41.0
Online services provided by the city has made it easier to start a new business	46.2
The current internet speed and reliability meet connectivity needs	55.9

Governance

Online public access to city finances has reduced corruption	32.2
Online voting has increased participation	40.2
An online platform where residents can propose ideas has improved city life	40.7
Processing Identification Documents online has reduced waiting times	42.9

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)



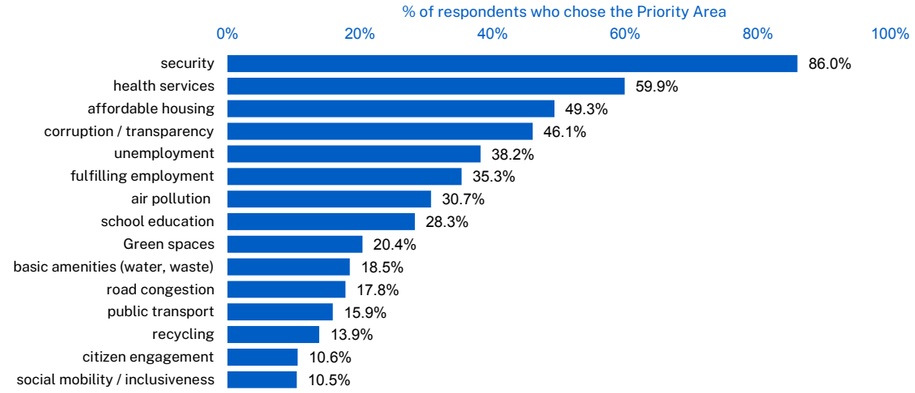
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

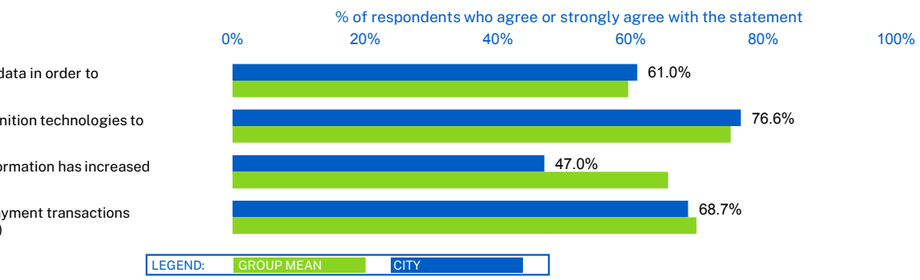
Chile	2019	2020	2021	2022	1 yr change
HDI	0.846	0.851	0.854	0.856	+0.002
Life expectancy at birth	80.3	79.4	78.9	79.5	+0.6
Expected years of schooling	16.6	16.3	16.8	16.8	+0.0
Mean years of schooling	10.9	11.1	11.1	11.1	+0.0
GNI per capita (PPP $)	23,893	21,509	23,853	24,431	+578

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



STRUCTURES



TECHNOLOGIES



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)



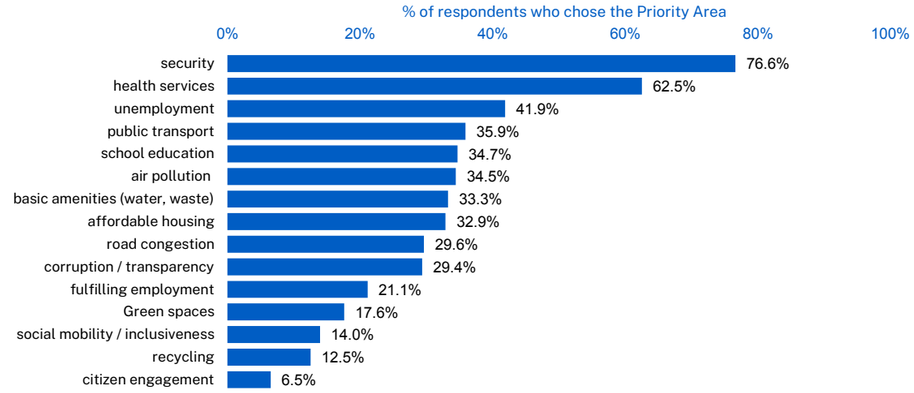
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Country

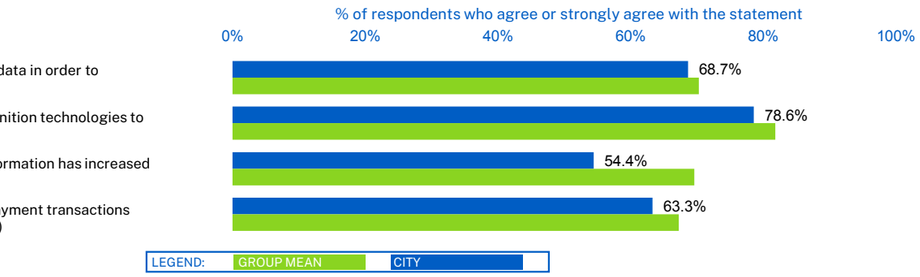
Brazil	2019	2020	2021	2022	1 yr change
HDI	0.752	0.753	0.758	0.762	+0.004
Life expectancy at birth	75.3	74.0	72.8	73.4	+0.7
Expected years of schooling	15.4	15.4	15.6	15.6	+0.0
Mean years of schooling	8.1	8.3	8.3	8.3	+0.0
GNI per capita (PPP $)	14,291	13,815	14,342	14,616	+274

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





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)



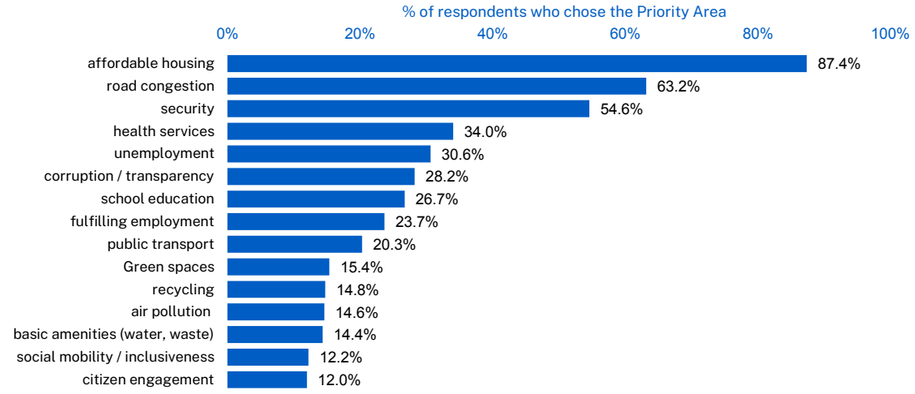
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Country

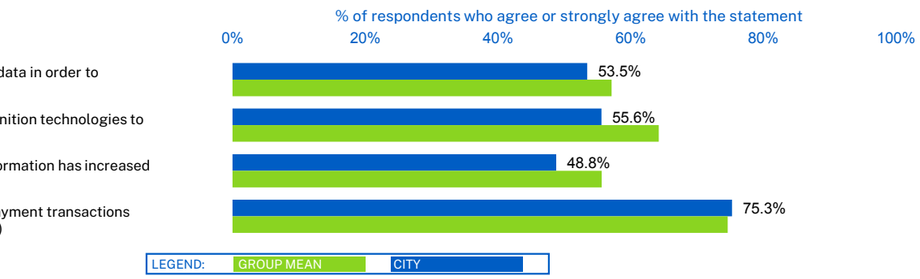
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

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





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)



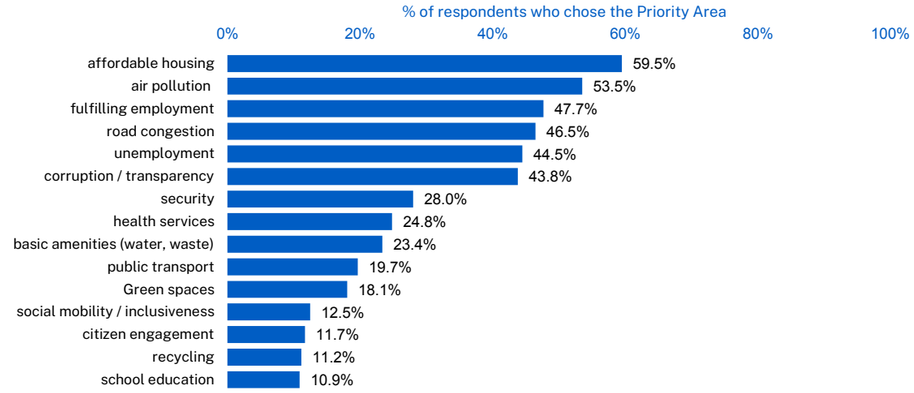
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Country

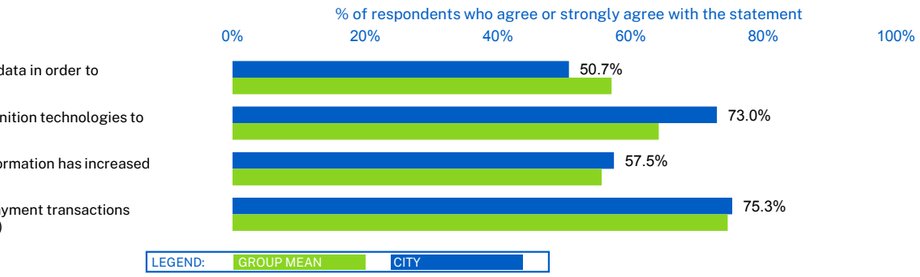
Korea (Republic of)	2019	2020	2021	2022	1 yr change
HDI	0.908	0.912	0.915	0.918	+0.003
Life expectancy at birth	83.7	83.6	83.7	84.0	+0.3
Expected years of schooling	16.4	16.4	16.5	16.5	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP $)	43,117	42,757	44,710	46,026	+1,317

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.



ATTITUDES





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)



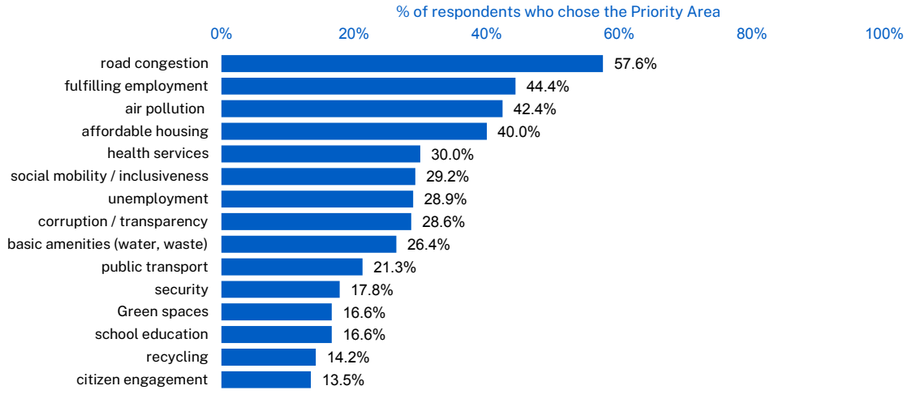
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Country

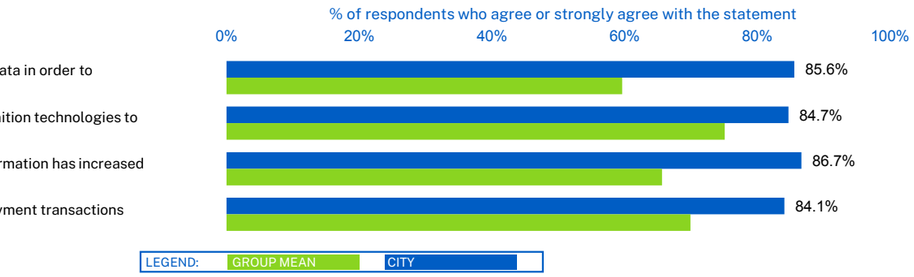
China	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP $)	15,934	16,168	17,499	18,025	+526

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.



ATTITUDES





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)



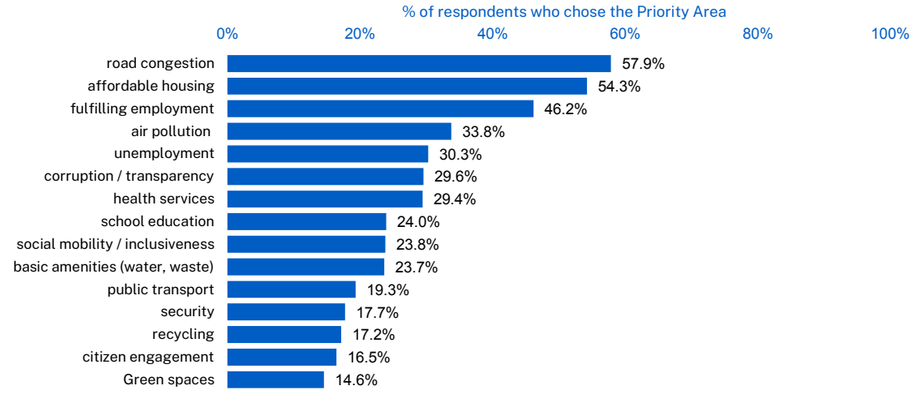
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Country

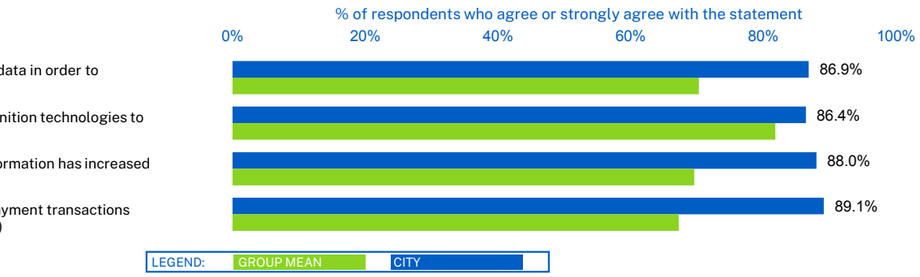
China	2019	2020	2021	2022	1 yr change
HDI	0.741	0.749	0.757	0.766	+0.009
Life expectancy at birth	78.0	78.1	78.2	78.6	+0.4
Expected years of schooling	15.0	15.2	15.2	15.2	+0.0
Mean years of schooling	8.0	8.1	8.1	8.1	+0.0
GNI per capita (PPP $)	15,934	16,168	17,499	18,025	+526

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.



ATTITUDES



LEGEND: MIN CITY MEAN GROUP MAX

STRUCTURES

Score: 0 20 40 60 80 100

Health & Safety

Basic sanitation meets the needs of the poorest areas	87.3
Recycling services are satisfactory	77.8
Public safety is not a problem	74.4
Air pollution is not a problem	57.6
Medical services provision is satisfactory	80.4
Finding housing with rent equal to 30% or less of a monthly salary is not a problem	60.9

Mobility

Traffic congestion is not a problem	41.3
Public transport is satisfactory	71.0

Activities

Green spaces are satisfactory	83.8
Cultural activities (shows, bars, and museums) are satisfactory	83.1

Opportunities (Work & School)

Employment finding services are readily available	80.7
Most children have access to a good school	73.9
Lifelong learning opportunities are provided by local institutions	66.7
Businesses are creating new jobs	75.3
Minorities feel welcome	81.4

Governance

Information on local government decisions are easily accessible	78.6
Corruption of city officials is not an issue of concern	52.9
Residents contribute to decision making of local government	55.8
Residents provide feedback on local government projects	72.9

TECHNOLOGIES

Score: 0 20 40 60 80 100

Health & Safety

Online reporting of city maintenance problems provides a speedy solution	83.9
A website or App allows residents to easily give away unwanted items	76.8
Free public wifi has improved access to city services	77.5
CCTV cameras has made residents feel safer	81.5
A website or App allows residents to effectively monitor air pollution	75.2
Arranging medical appointments online has improved access	87.7

Mobility

Car-sharing Apps have reduced congestion	65.7
Apps that direct you to an available parking space have reduced journey time	81.2
Bicycle hiring has reduced congestion	78.3
Online scheduling and ticket sales has made public transport easier to use	88.2
The city provides information on traffic congestion through mobile phones	85.8

Activities

Online purchasing of tickets to shows and museums has made it easier to attend	91.3

Opportunities (Work & School)

Online access to job listings has made it easier to find work	85.3
IT skills are taught well in schools	77.3
Online services provided by the city has made it easier to start a new business	76.3
The current internet speed and reliability meet connectivity needs	88.9

Governance

Online public access to city finances has reduced corruption	70.8
Online voting has increased participation	69.4
An online platform where residents can propose ideas has improved city life	79.4
Processing Identification Documents online has reduced waiting times	85.9

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)

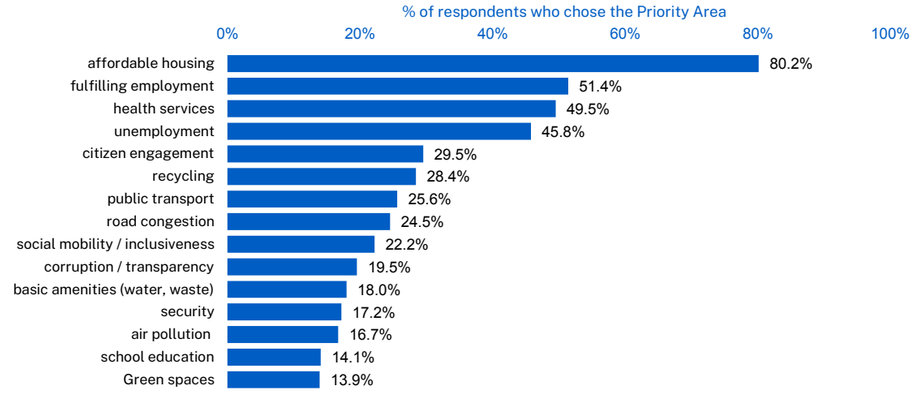


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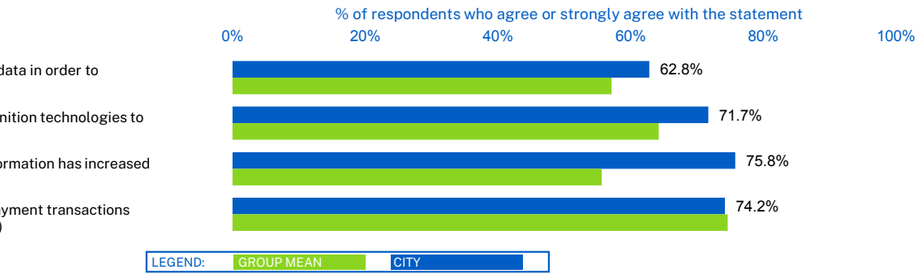
Country Singapore	2019	2020	2021	2022	1 yr change
HDI	0.935	0.937	0.938	0.942	+0.004
Life expectancy at birth	83.8	82.9	82.8	84.1	+1.4
Expected years of schooling	16.7	16.8	16.9	16.9	+0.0
Mean years of schooling	11.9	11.9	11.9	11.9	+0.0
GNI per capita (PPP $)	86,456	81,431	88,519	88,761	+242

PRIORITY AREAS

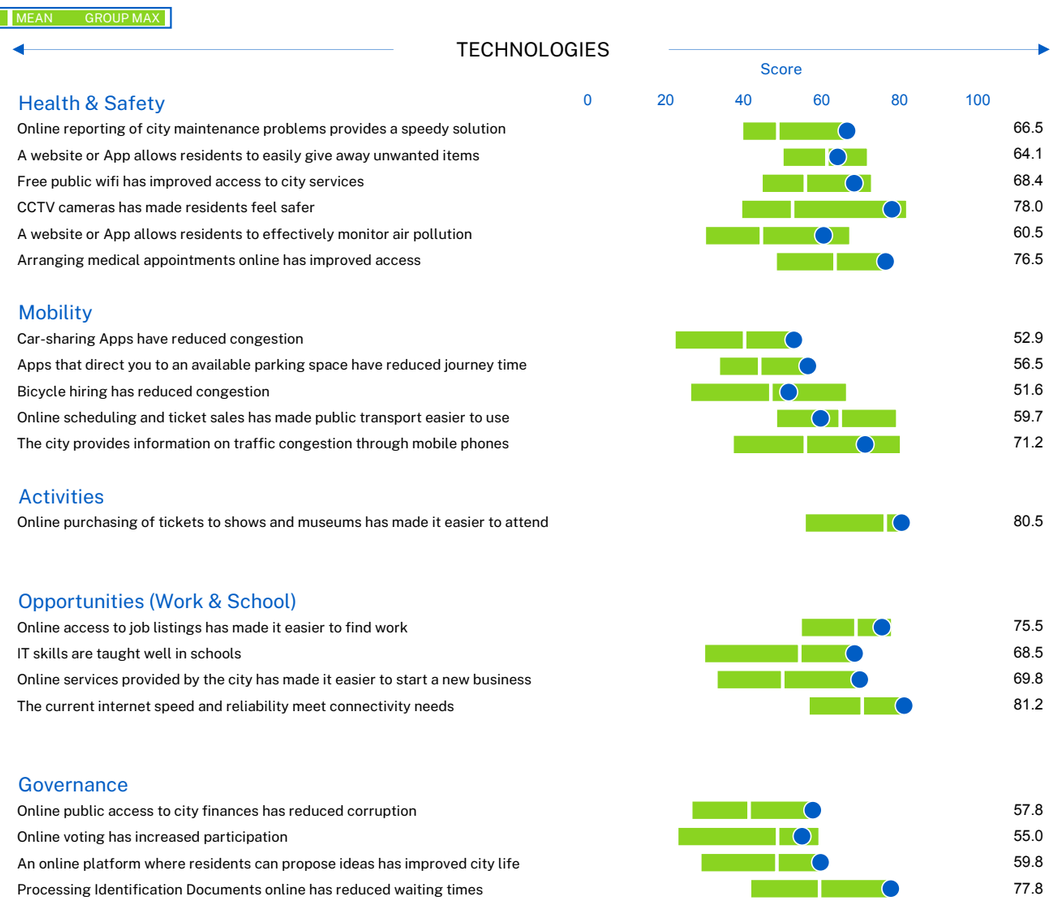
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







Sofia

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)

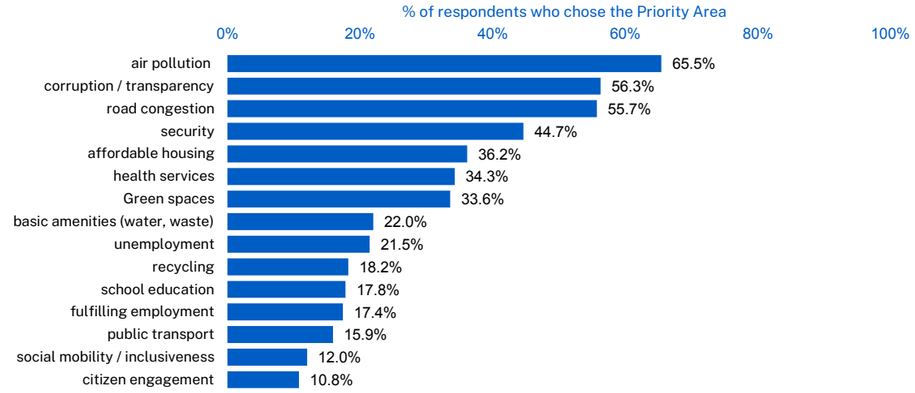


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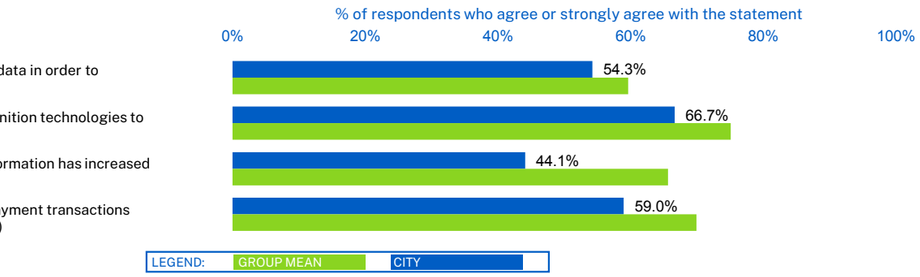
Country Bulgaria	2019	2020	2021	2022	1 yr change
HDI	0.809	0.810	0.810	0.811	+0.001
Life expectancy at birth	75.1	73.6	71.8	71.5	-0.3
Expected years of schooling	14.3	14.0	13.9	13.9	+0.0
Mean years of schooling	11.4	11.4	11.4	11.4	+0.0
GNI per capita (PPP $)	22,591	21,653	23,725	25,921	+2,196

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





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)

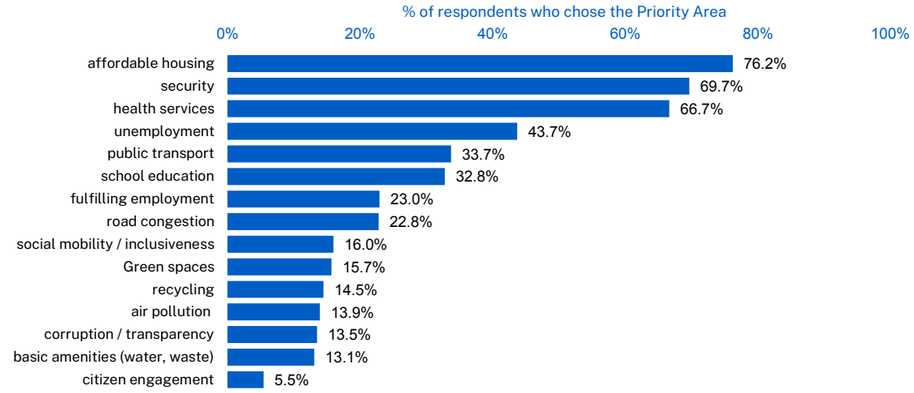


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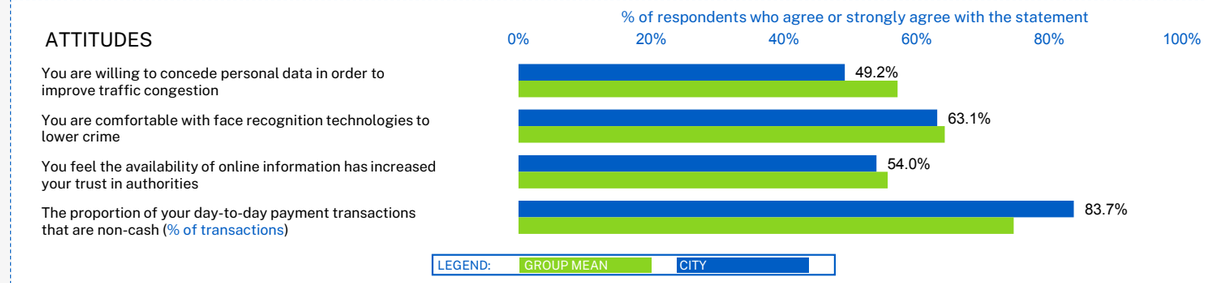
Country Sweden	2019	2020	2021	2022	1 yr change
HDI	0.937	0.939	0.941	0.943	+0.002
Life expectancy at birth	83.1	82.4	83.0	83.5	+0.5
Expected years of schooling	18.5	18.7	19.0	19.0	+0.0
Mean years of schooling	12.6	12.7	12.7	12.7	+0.0
GNI per capita (PPP $)	54,441	53,195	55,908	56,996	+1,088

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





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)

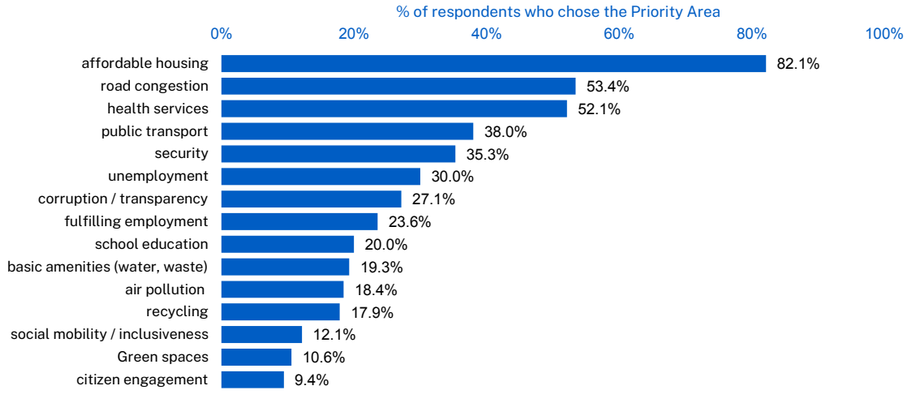


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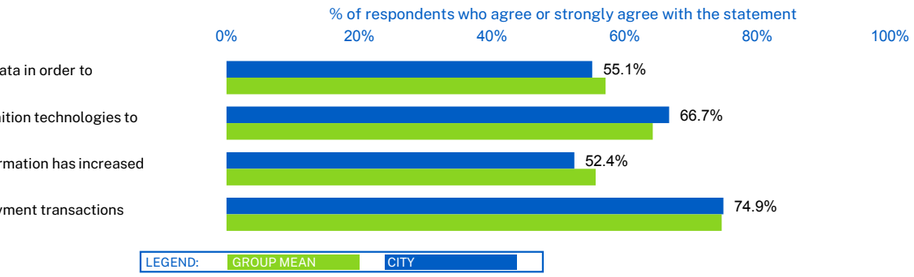
Country Australia	2019	2020	2021	2022	1 yr change
HDI	0.933	0.936	0.937	0.941	+0.004
Life expectancy at birth	83.1	84.3	84.5	83.6	-0.9
Expected years of schooling	21.4	20.9	21.1	21.1	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP $)	47,054	48,075	48,076	49,257	+1,181

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.



ATTITUDES





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



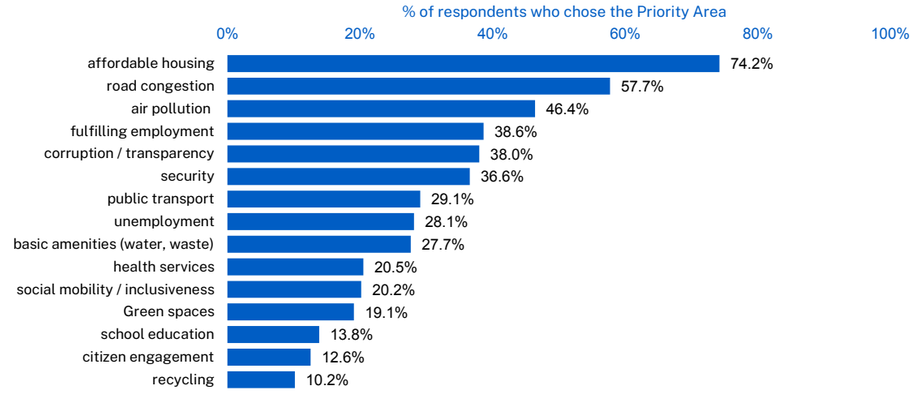
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Country

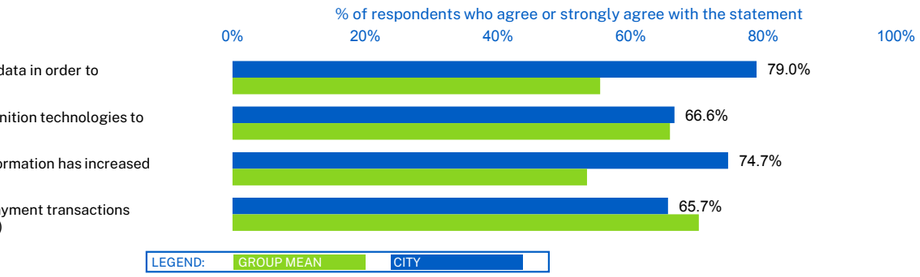
Taiwan	2019	2020	2021	2022	1 yr change
HDI	0.916	0.923	0.926	0.925	-0.001
Life expectancy at birth	80.9	81.3	80.9	79.8	-1.1
Expected years of schooling	16.5	16.6	16.8	16.9	+0.1
Mean years of schooling	12.3	12.4	12.5	12.6	+0.1
GNI per capita (PPP $)	52,625	54,622	58,379	60,535	+2,156

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





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)

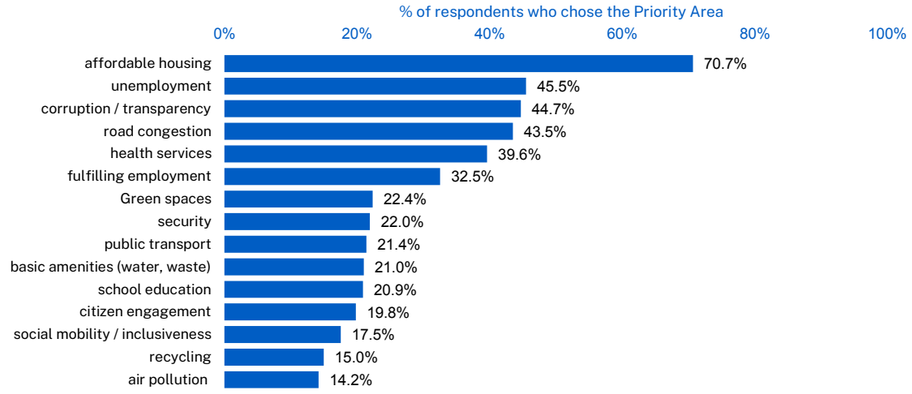


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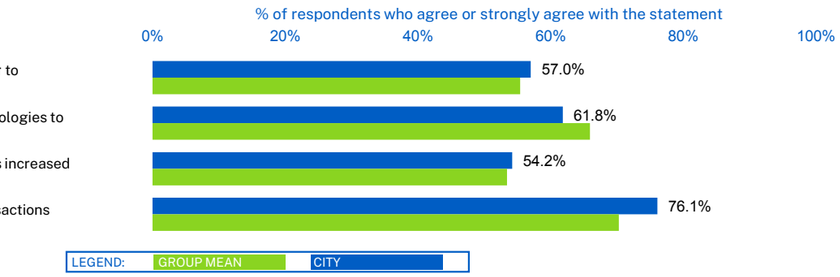
Country Estonia	2019	2020	2021	2022	1 yr change
HDI	0.883	0.884	0.886	0.890	+0.004
Life expectancy at birth	78.7	78.3	77.1	79.2	+2.0
Expected years of schooling	15.7	15.8	15.9	15.9	+0.0
Mean years of schooling	13.6	13.5	13.5	13.5	+0.0
GNI per capita (PPP $)	35,472	35,481	38,027	37,152	-876

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





Tel Aviv

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)



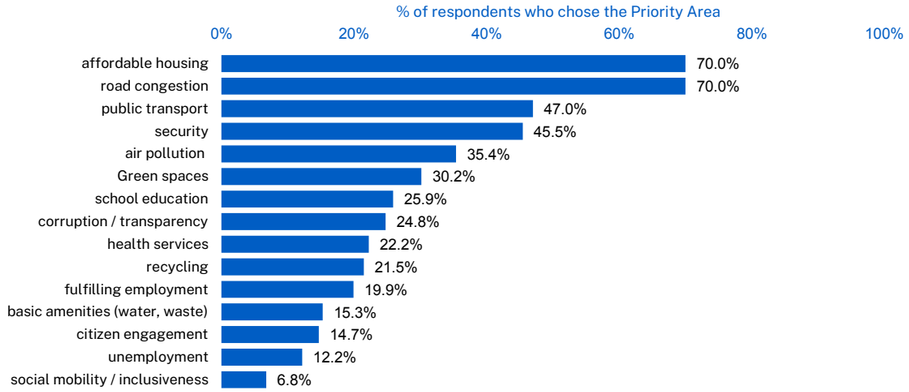
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

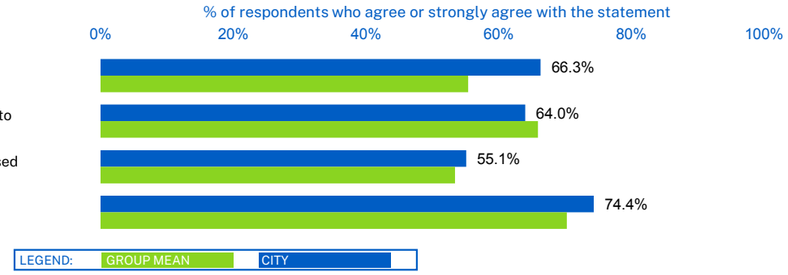
Israel	2019	2020	2021	2022	1 yr change
HDI	0.899	0.902	0.906	0.908	+0.002
Life expectancy at birth	82.8	82.4	82.3	82.6	+0.3
Expected years of schooling	14.8	14.8	15.0	15.0	+0.0
Mean years of schooling	13.3	13.4	13.4	13.4	+0.0
GNI per capita (PPP $)	40,920	39,324	41,754	43,588	+1,834

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.



ATTITUDES





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)

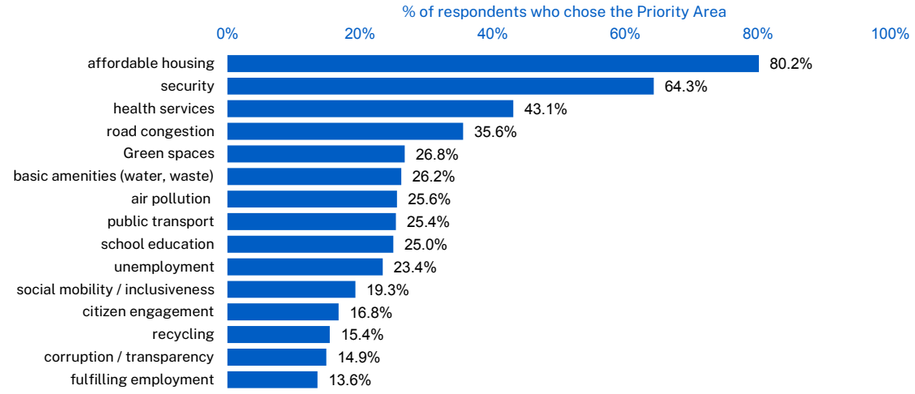


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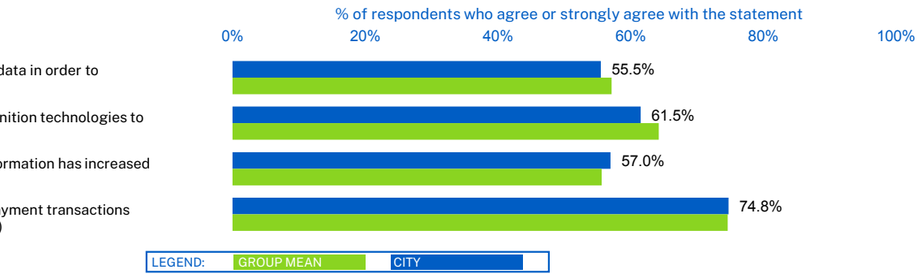
Country Netherlands	2019	2020	2021	2022	1 yr change
HDI	0.932	0.933	0.936	0.939	+0.003
Life expectancy at birth	82.0	81.6	81.7	82.5	+0.8
Expected years of schooling	18.4	18.4	18.6	18.6	+0.0
Mean years of schooling	12.5	12.6	12.6	12.6	+0.0
GNI per capita (PPP $)	55,628	52,500	55,355	57,278	+1,923

PRIORITY AREAS

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





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)



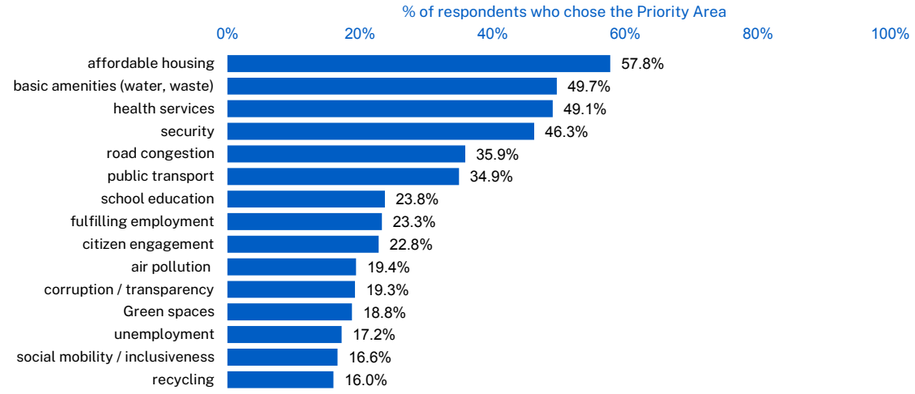
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Country

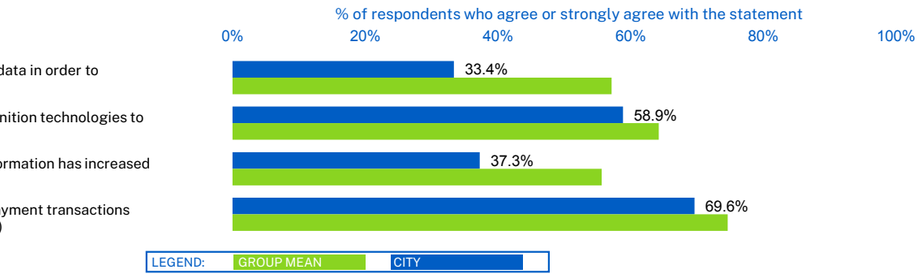
Japan	2019	2020	2021	2022	1 yr change
HDI	0.913	0.914	0.916	0.917	+0.001
Life expectancy at birth	84.4	84.7	84.8	84.8	+0.0
Expected years of schooling	15.4	15.5	15.5	15.5	+0.0
Mean years of schooling	12.7	12.7	12.7	12.7	+0.0
GNI per capita (PPP $)	43,276	41,446	43,008	43,644	+636

PRIORITY AREAS

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





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)



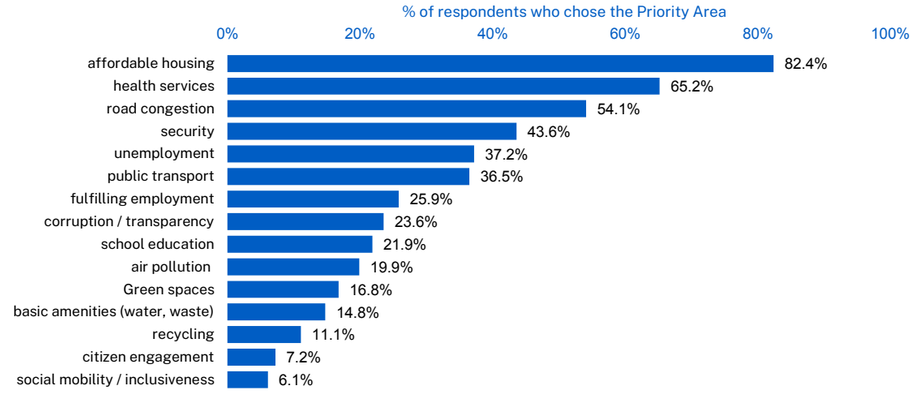
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Country

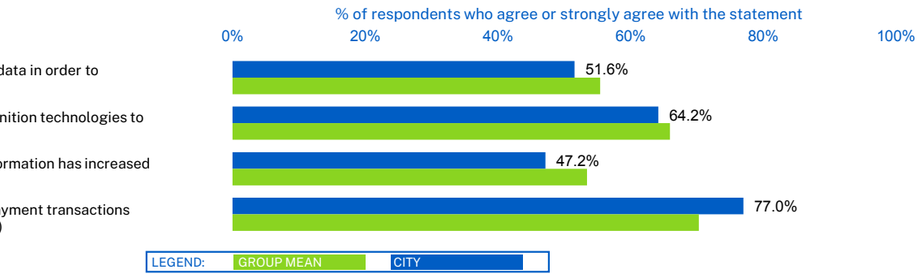
Canada	2019	2020	2021	2022	1 yr change
HDI	0.927	0.928	0.929	0.930	+0.001
Life expectancy at birth	82.4	82.0	82.7	82.8	+0.2
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	13.8	13.9	13.9	13.9	+0.0
GNI per capita (PPP $)	48,591	45,828	47,933	48,444	+512

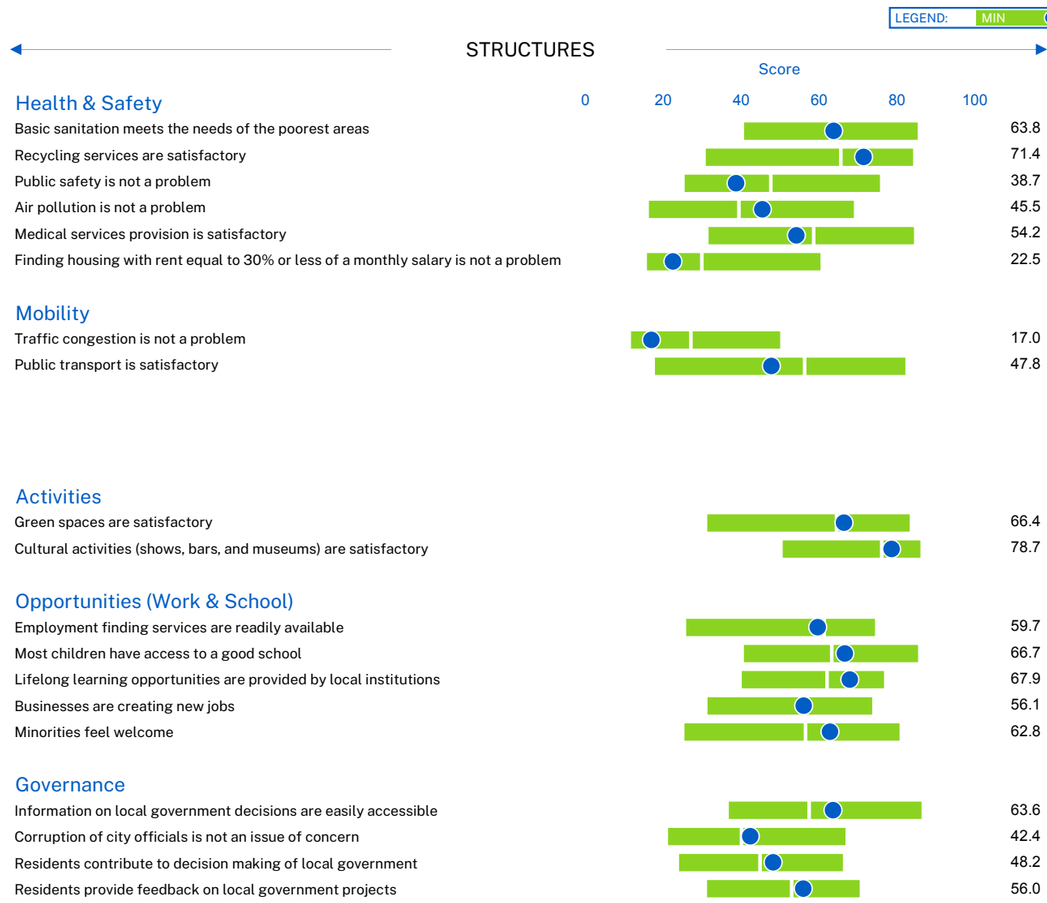
PRIORITY AREAS

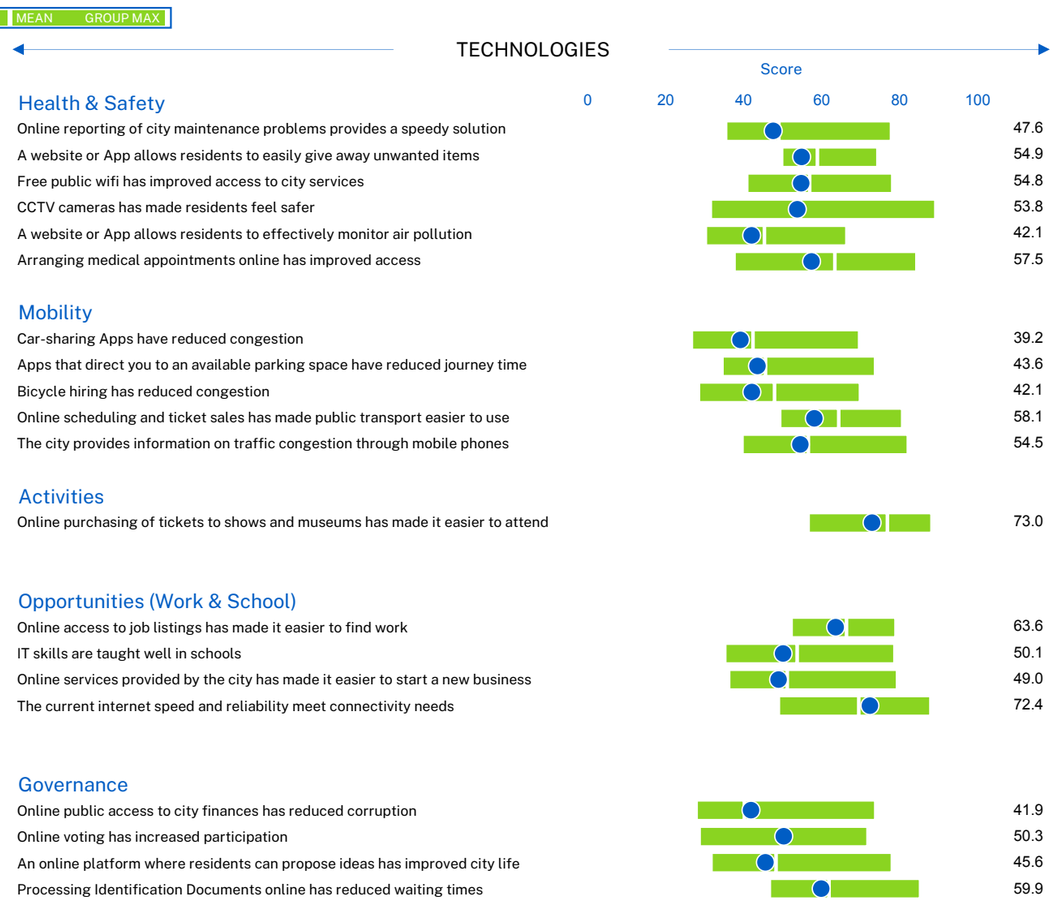
From a list of 15 indicators, survey respondents were asked to select 5 that they perceived as the most urgent for their city. The higher the percentage of responses per area, the greater the priority for the city.



ATTITUDES







Tunis

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)



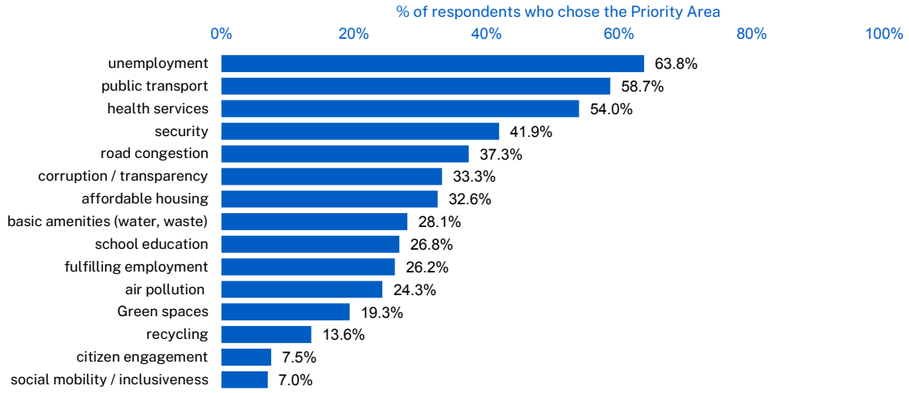
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

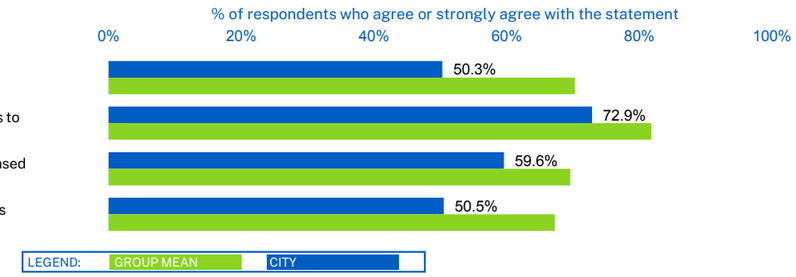
Tunisia	2019	2020	2021	2022	1 yr change
HDI	0.724	0.728	0.732	0.737	+0.005
Life expectancy at birth	76.0	75.3	73.8	74.3	+0.5
Expected years of schooling	14.6	14.6	14.6	14.6	+0.0
Mean years of schooling	7.8	8.0	8.0	8.0	+0.0
GNI per capita (PPP $)	10,821	9,710	10,123	10,297	+174

PRIORITY AREAS

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





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)



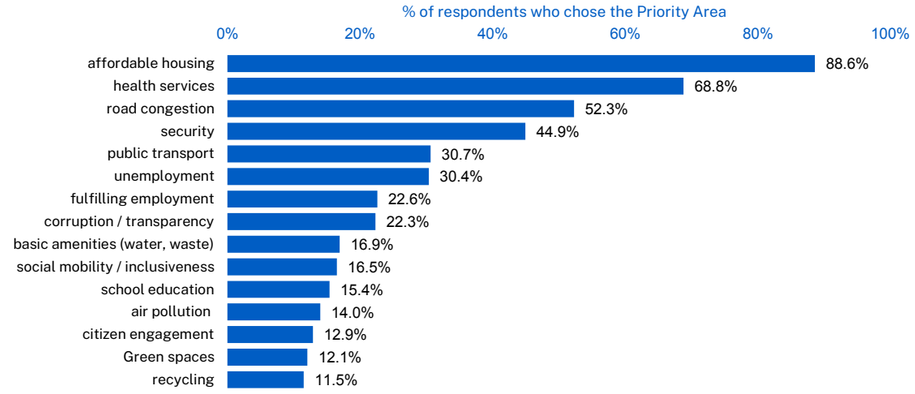
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

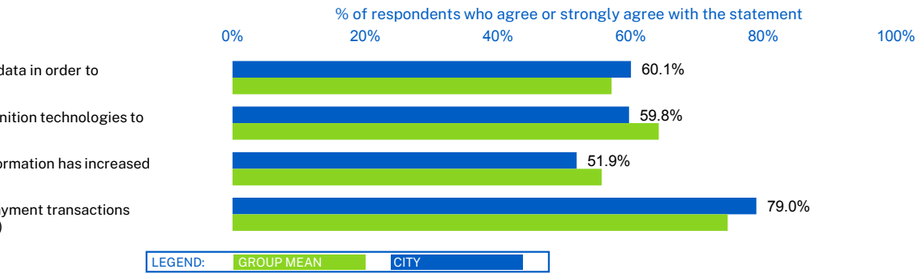
Canada	2019	2020	2021	2022	1 yr change
HDI	0.927	0.928	0.929	0.930	+0.001
Life expectancy at birth	82.4	82.0	82.7	82.8	+0.2
Expected years of schooling	15.9	15.9	16.0	16.0	+0.0
Mean years of schooling	13.8	13.9	13.9	13.9	+0.0
GNI per capita (PPP $)	48,591	45,828	47,933	48,444	+512

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





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)



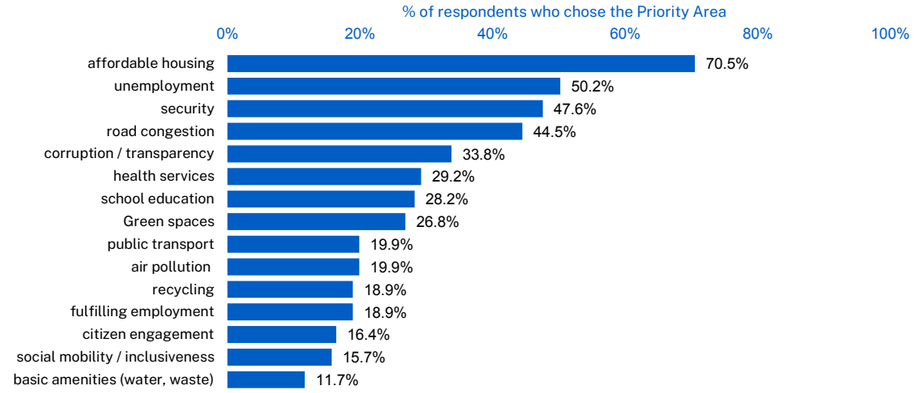
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Country

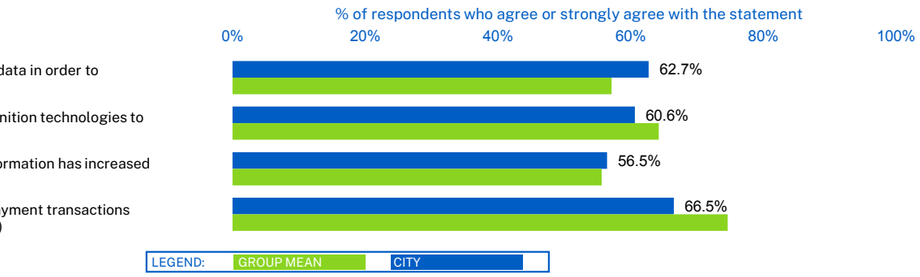
Austria	2019	2020	2021	2022	1 yr change
HDI	0.910	0.913	0.914	0.917	+0.003
Life expectancy at birth	81.9	81.5	81.6	82.4	+0.8
Expected years of schooling	16.1	16.1	16.4	16.4	+0.0
Mean years of schooling	12.3	12.3	12.3	12.3	+0.0
GNI per capita (PPP $)	55,647	52,446	54,361	56,530	+2,169

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.



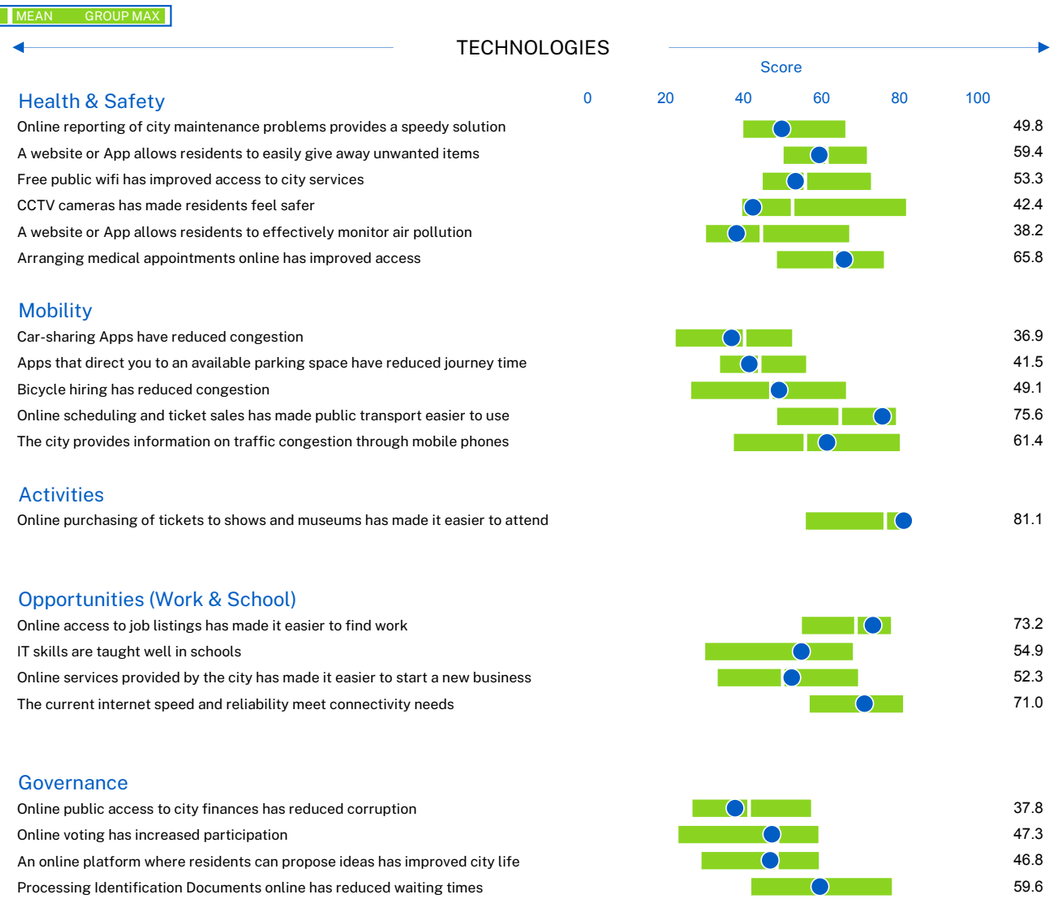
ATTITUDES



STRUCTURES



TECHNOLOGIES



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)



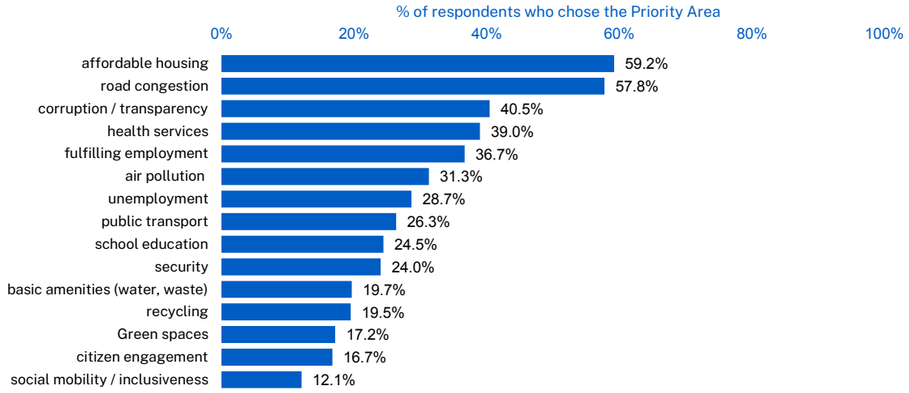
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Country

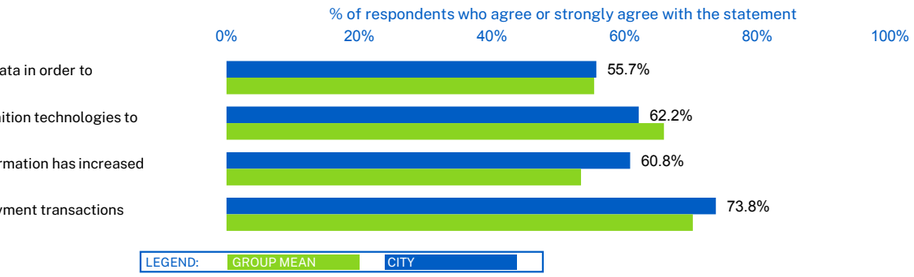
Lithuania	2019	2020	2021	2022	1 yr change
HDI	0.865	0.870	0.878	0.882	+0.004
Life expectancy at birth	76.2	75.1	73.7	74.3	+0.6
Expected years of schooling	16.5	16.4	16.4	16.4	+0.0
Mean years of schooling	13.4	13.5	13.5	13.5	+0.0
GNI per capita (PPP $)	35,897	36,103	37,854	38,131	+277

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





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)



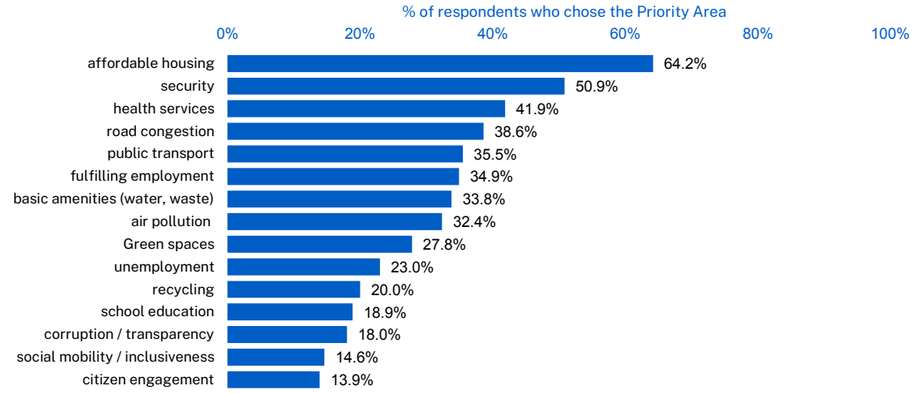
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Country

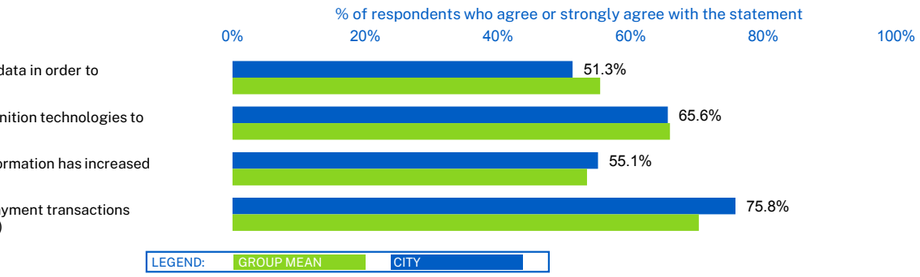
Poland	2019	2020	2021	2022	1 yr change
HDI	0.869	0.872	0.874	0.876	+0.002
Life expectancy at birth	77.9	76.9	76.5	77.0	+0.5
Expected years of schooling	15.9	15.8	15.9	15.9	+0.0
Mean years of schooling	13.1	13.2	13.2	13.2	+0.0
GNI per capita (PPP $)	31,772	31,293	33,264	35,151	+1,887

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.



ATTITUDES





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)



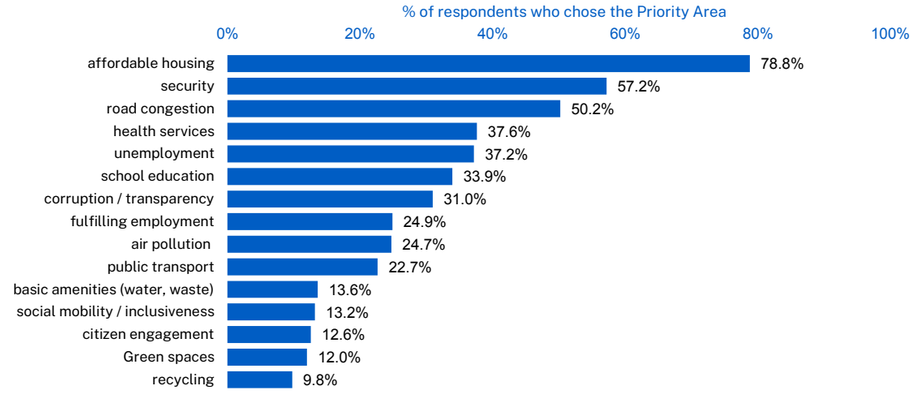
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Country

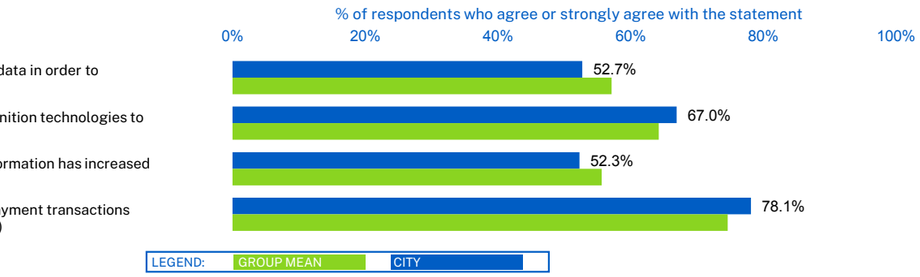
United States	2019	2020	2021	2022	1 yr change
HDI	0.924	0.926	0.928	0.930	+0.002
Life expectancy at birth	79.1	77.4	77.2	78.2	+1.0
Expected years of schooling	16.6	16.6	16.4	16.4	+0.0
Mean years of schooling	13.6	13.7	13.6	13.6	+0.0
GNI per capita (PPP $)	63,654	61,077	64,484	65,565	+1,081

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





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)



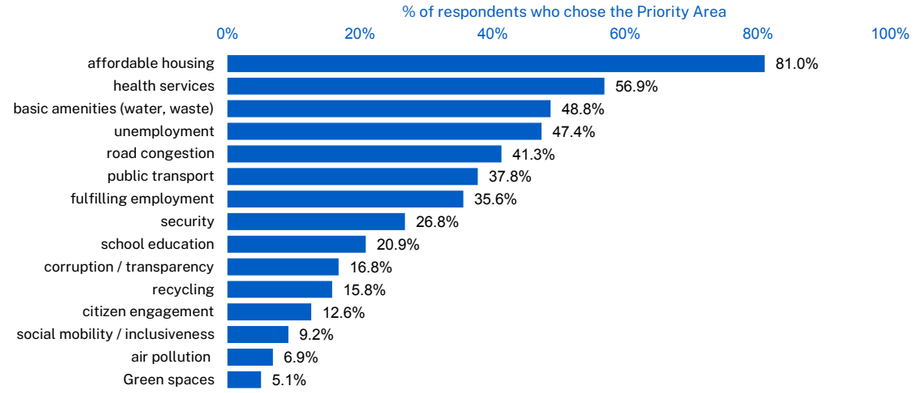
Map tiles by Stamen Design CC BY 3.0 Map Data © OpenStreetMap

Country

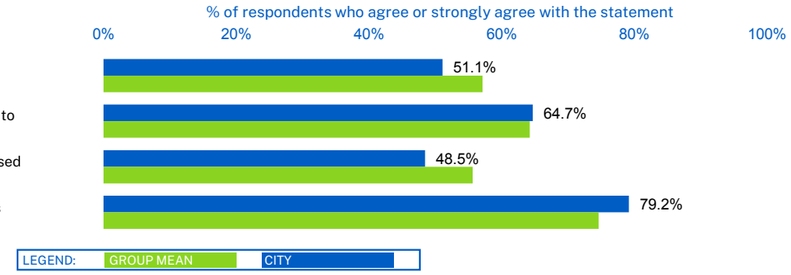
New Zealand	2019	2020	2021	2022	1 yr change
HDI	0.933	0.935	0.935	0.936	+0.001
Life expectancy at birth	82.6	82.7	82.5	83.0	+0.6
Expected years of schooling	19.5	19.2	19.7	19.7	+0.0
Mean years of schooling	13.0	12.9	12.9	12.9	+0.0
GNI per capita (PPP $)	42,210	41,225	42,850	43,665	+816

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





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)

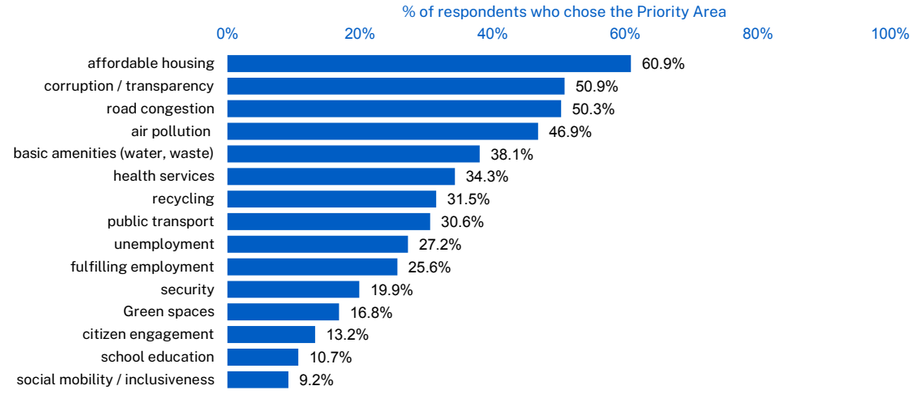


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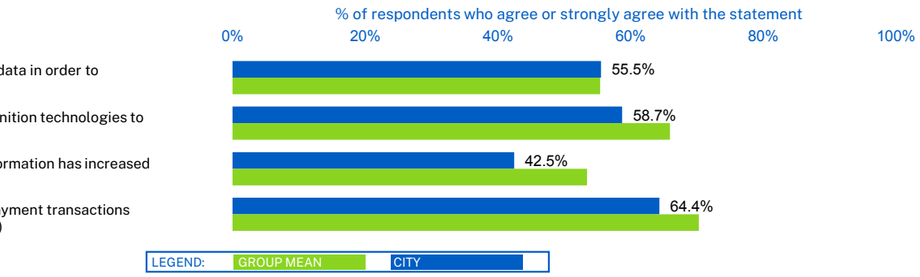
Country Croatia	2019	2020	2021	2022	1 yr change
HDI	0.844	0.850	0.855	0.860	+0.005
Life expectancy at birth	78.7	78.0	77.6	79.2	+1.7
Expected years of schooling	15.5	15.5	15.6	15.6	+0.0
Mean years of schooling	12.2	12.3	12.3	12.3	+0.0
GNI per capita (PPP $)	29,373	27,624	32,073	34,324	+2,251

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





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)

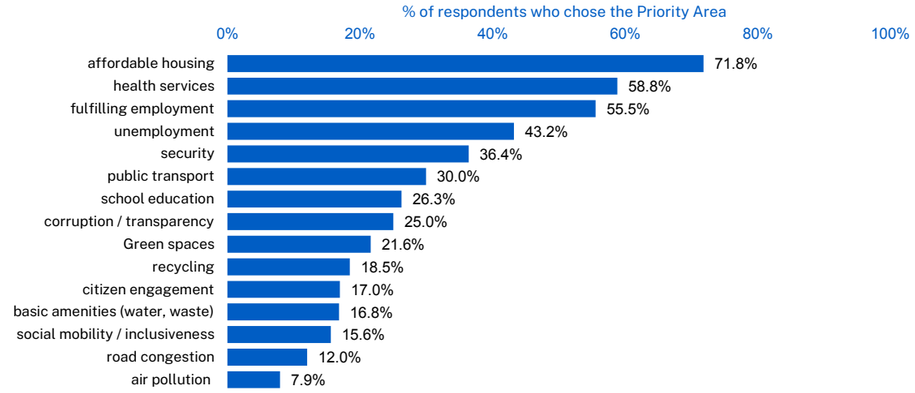


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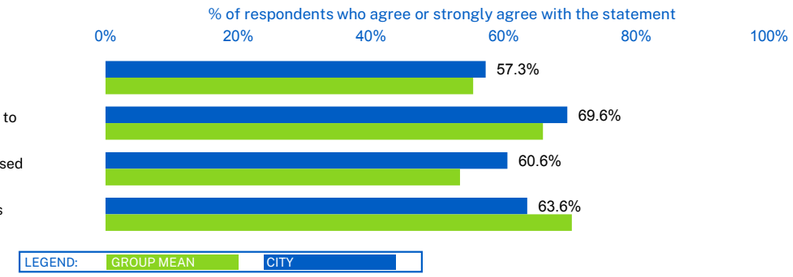
Country Spain	2019	2020	2021	2022	1 yr change
HDI	0.889	0.894	0.896	0.899	+0.003
Life expectancy at birth	83.5	82.3	83.0	83.9	+0.9
Expected years of schooling	17.5	17.5	17.8	17.8	+0.0
Mean years of schooling	10.4	10.6	10.6	10.6	+0.0
GNI per capita (PPP $)	40,854	36,076	38,133	40,043	+1,911

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.



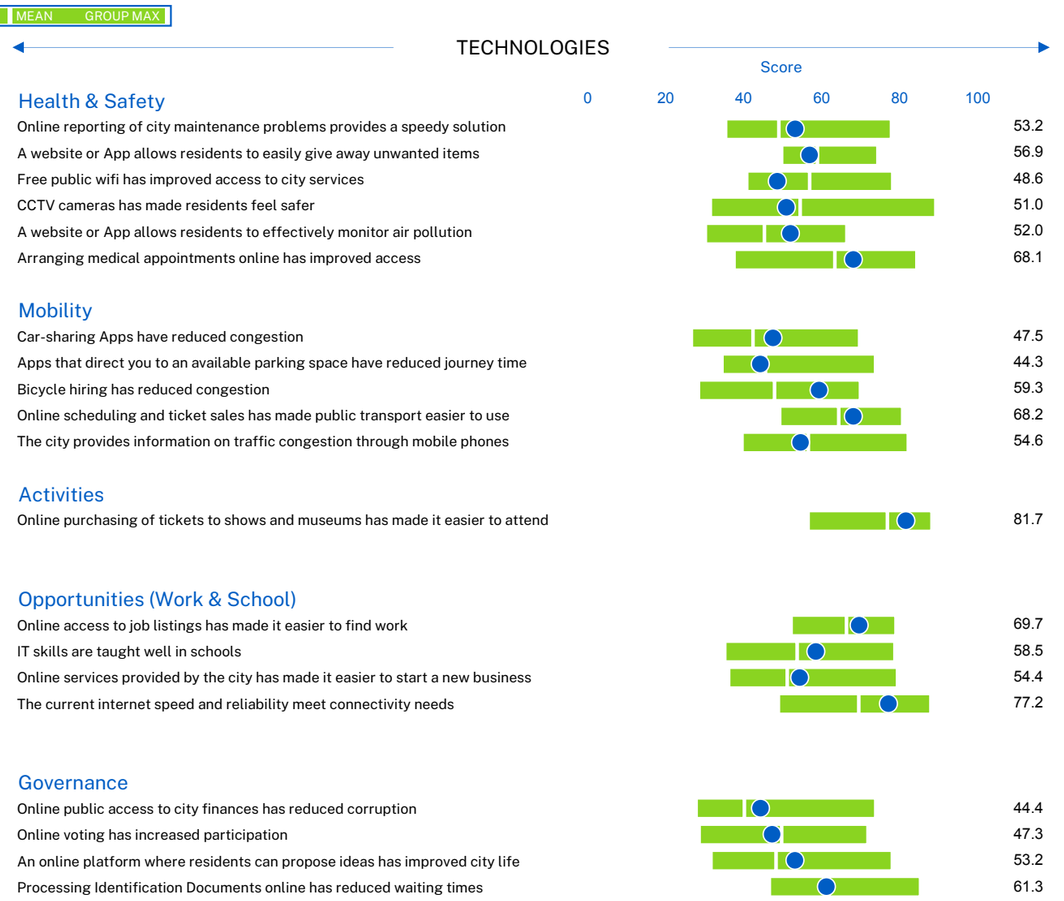
ATTITUDES



STRUCTURES



TECHNOLOGIES



Zurich

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 (Eurostat) 410,000

HDI (Global Data Lab) 0.994

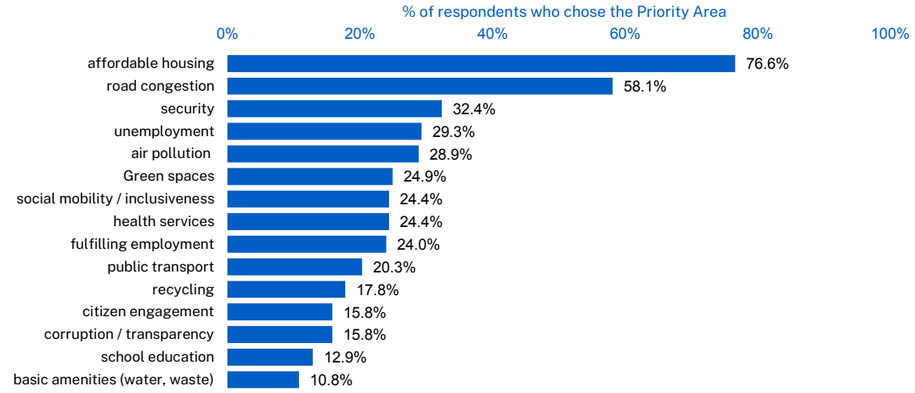


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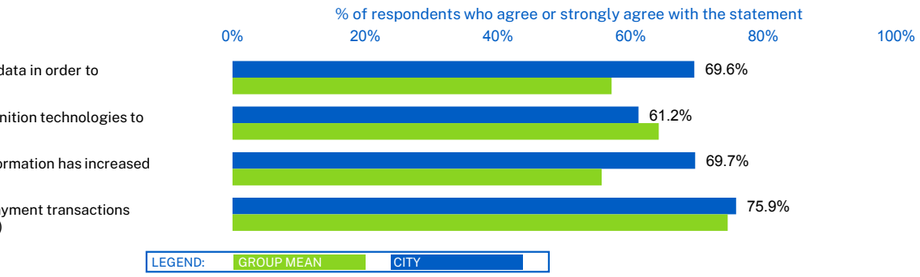
Country Switzerland	2019	2020	2021	2022	1 yr change
HDI	0.952	0.954	0.955	0.957	+0.002
Life expectancy at birth	83.8	83.1	84.0	84.3	+0.3
Expected years of schooling	16.3	16.4	16.6	16.6	+0.0
Mean years of schooling	13.9	13.9	13.9	13.9	+0.0
GNI per capita (PPP $)	67,531	66,267	68,550	69,433	+882

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





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
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
Algeria	0.74	Algiers	0.766	128
Argentina	0.852	Buenos Aires	0.851	131
Australia	0.941	Brisbane	0.935	51
Australia	0.941	Canberra	0.976	8
Australia	0.941	Melbourne	0.942	44
Australia	0.941	Sydney	0.946	32
Austria	0.917	Vienna	0.948	26
Bahrain	0.88	Manama	0.888	36
Belgium	0.933	Brussels	0.96	48
Brazil	0.762	Brasilia	0.822	130
Brazil	0.762	Rio de Janeiro	0.789	146
Brazil	0.762	Sao Paulo	0.786	137
Bulgaria	0.811	Sofia	0.856	121
Canada	0.93	Montreal	0.926	81
Canada	0.93	Ottawa	0.942	42
Canada	0.93	Toronto	0.942	63
Canada	0.93	Vancouver	0.946	53
Chile	0.856	Santiago	0.89	120
China	0.766	Beijing	0.905	14
China	0.766	Chengdu	0.762	76
China	0.766	Chongqing	0.795	69
China	0.766	Guangzhou	0.813	55
China	0.766	Hangzhou	0.814	54
China	0.766	Nanjing	0.827	58
China	0.766	Shanghai	0.895	15
China	0.766	Shenzhen	0.813	50
Colombia	0.766	Bogota	0.804	134
Colombia	0.766	Medellin	0.763	118
Costa Rica	0.804	San José	0.824	126
Croatia	0.86	Zagreb	0.938	85
Cyprus	0.896	Nicosia	0.907	122
Czech Rep.	0.893	Prague	0.965	12
Denmark	0.942	Copenhagen	0.97	7
Egypt	0.717	Cairo	0.777	117
Estonia	0.89	Tallinn	0.941	22
Finland	0.936	Helsinki	0.961	11
France	0.903	Bordeaux	0.907	77
France	0.903	Lille	0.888	93
France	0.903	Lyon	0.923	73
France	0.903	Marseille	0.912	107
France	0.903	Paris	0.956	71
Germany	0.946	Berlin	0.967	37
Germany	0.946	Dusseldorf	0.946	45
Germany	0.946	Hamburg	0.975	20
Germany	0.946	Hanover	0.936	59
Germany	0.946	Kiel	0.929	74
Germany	0.946	Munich	0.958	24
Ghana	0.589	Accra	0.67	141
Greece	0.886	Athens	0.918	129
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
Hong Kong	0.949	Hong Kong	0.956	19
Hungary	0.85	Budapest	0.934	84
Iceland	0.958	Reykjavik	0.959	21
India	0.636	Bengaluru	0.673	110
India	0.636	Delhi	0.734	104
India	0.636	Hyderabad	0.66	109
India	0.636	Mumbai	0.695	106
Indonesia	0.712	Jakarta	0.767	103
Indonesia	0.712	Makassar	0.707	114
Indonesia	0.712	Medan	0.719	113
Ireland	0.938	Dublin	0.954	66
Israel	0.908	Tel Aviv	0.915	96
Italy	0.894	Bologna	0.935	83
Italy	0.894	Milan	0.927	97
Italy	0.894	Rome	0.929	139
Japan	0.917	Osaka	0.922	99
Japan	0.917	Tokyo	0.946	108
Jordan	0.742	Amman	0.753	127
Kazakhstan	0.804	Astana	0.816	102
Kenya	0.598	Nairobi	0.663	136
Korea South	0.918	Busan	0.926	60
Korea South	0.918	Seoul	0.961	13
Kuwait	0.836	Kuwait City	0.845	90
Latvia	0.868	Riga	0.937	46
Lebanon	0.764	Beirut	0.693	143

Country	Country HDI	City	City HDI	Smart City Rank 2025
Lithuania	0.882	Vilnius	0.918	34
Luxembourg	0.921	Luxembourg	0.927	31
Malaysia	0.802	Kuala Lumpur	0.863	65
Mexico	0.779	Mexico City	0.839	119
Morocco	0.677	Rabat	0.717	123
Netherlands	0.939	Amsterdam	0.964	17
Netherlands	0.939	Rotterdam	0.946	41
Netherlands	0.939	The Hague	0.946	43
New Zealand	0.936	Auckland	0.968	25
New Zealand	0.936	Wellington	0.969	30
Nigeria	0.53	Abuja	0.678	133
Nigeria	0.53	Lagos	0.721	135
Norway	0.96	Oslo	0.982	2
Oman	0.838	Muscat	0.819	87
Pakistan	0.535	Islamabad	0.654	116
Peru	0.77	Lima	0.82	138
Philippines	0.706	Manila	0.743	125
Poland	0.876	Krakow	0.891	70
Poland	0.876	Warsaw	0.931	28
Portugal	0.858	Lisbon	0.907	115
Puerto Rico	0.88	San Juan	0.88	132
Qatar	0.866	Doha	0.875	33
Romania	0.829	Bucharest	0.926	78
Saudi Arabia	0.856	Al-Khobar	0.862	61
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
Saudi Arabia	0.856	Jeddah	0.871	47
Saudi Arabia	0.856	Mecca	0.871	39
Saudi Arabia	0.856	Medina	0.871	67
Saudi Arabia	0.856	Riyadh	0.899	27
Singapore	0.942	Singapore	0.949	9
Slovakia	0.86	Bratislava	0.945	57
Slovenia	0.916	Ljubljana	0.97	16
South Africa	0.731	Cape Town	0.755	124
Spain	0.899	Barcelona	0.922	92
Spain	0.899	Bilbao	0.939	29
Spain	0.899	Madrid	0.942	38
Spain	0.899	Zaragoza	0.915	52
Sweden	0.943	Gothenburg	0.951	40
Sweden	0.943	Stockholm	0.976	18
Switzerland	0.957	Geneva	0.973	3
Switzerland	0.957	Lausanne	0.973	10
Switzerland	0.957	Zurich	0.994	1
Taiwan	0.925	Taipei City	0.925	23
Thailand	0.796	Bangkok	0.836	86
Tunisia	0.737	Tunis	0.777	142
Türkiye	0.838	Ankara	0.871	98
Türkiye	0.838	Istanbul	0.888	111
United Arab Emirates	0.917	Abu Dhabi	0.937	5
United Arab Emirates	0.917	Dubai	0.937	4
United Kingdom	0.928	Belfast	0.907	94
United Kingdom	0.928	Birmingham	0.925	80
United Kingdom	0.928	Cardiff	0.91	89
United Kingdom	0.928	Glasgow	0.933	95
United Kingdom	0.928	Leeds	0.92	72
United Kingdom	0.928	London	0.984	6
United Kingdom	0.928	Manchester	0.927	64
United Kingdom	0.928	Newcastle	0.911	75
USA	0.93	Boston	0.956	35
USA	0.93	Chicago	0.932	79
USA	0.93	Denver	0.952	68
USA	0.93	Los Angeles	0.935	91
USA	0.93	New York	0.937	49
USA	0.93	Philadelphia	0.928	100
USA	0.93	Phoenix	0.906	105
USA	0.93	San Francisco	0.935	82
USA	0.93	Seattle	0.952	56
USA	0.93	Washington D.C.	0.947	62
Venezuela	0.738	Caracas	0.743	140
Vietnam	0.711	Hanoi	0.768	88
Vietnam	0.711	Ho Chi Minh City	0.737	101
Yemen	0.427	Sana'a	0.466	145

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