Indicator #	Indicator Name
1	Unemployment
2	Fulfilling employment
3	Cost of living
4	Social mobility / inclusiveness
5	Corruption / transparency
6	E-government services
7	Citizen engagement
8	Availability of online information
9	Basic amenities (water, waste, electricity)
10	School education
11	Health services
12	Accessibility of healthcare
13	Road congestion
14	Public transport
15	Walkability
16	Bike-friendliness
17	Security
18	Public safety and crime reduction
19	Disaster preparedness
20	Air pollution
21	Recycling
22	Energy efficiency and renewable energy
23	Affordable housing
24	Green spaces and urban planning
25	Digital literacy

Urban indicators survey: The case of Amman

✓ 1. Suggested List of 25 Smart City Indicators

✓ Here is a clear and organized thematic categorization of the selected urban indicators.

Economic Development & Employment
Unemployment
Fulfilling employment
Cost of living
Social mobility / inclusiveness

Corruption / transparency
E-government services
Citizen engagement
Availability of online information

Governance & Civic Engagement

Basic Services & Infrastructure
Basic amenities (water, waste, electricity)
School education
Health services
Accessibility of healthcare

Urban Mobility & Transportation	
Road congestion	
Public transport	
Walkability	
Bike-friendliness	

Security Public safety and crime reduction	Public Safety & Security
Public safety and crime reduction	Security
	Public safety and crime reduction
Disaster preparedness	Disaster preparedness

Environment & Sustainability
Air pollution
Recycling
Energy efficiency and renewable energy

Housing & Urban Planning
Affordable housing
Green spaces and urban planning

Digital Infrastructure & Literacy
Digital literacy

Participant	Indicator 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Citizen 1																									
Citizen 2																									
Citizen 3																									
Citizen 4																									
Citizen 5																									
Citizen 6																									
Citizen 7																									
Citizen 8																									
Citizen 9																									
Citizen 10																									
Citizen 11																									П
Citizen 12																									П
Citizen 13																									П
Citizen 14																									П
Citizen 15																									П
Citizen 16																									П
Citizen 17																									П
Citizen 18																									П
Citizen 19																									
Citizen 20							Г																		
									_	_															
Sum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1 9	2. Survey	Instructions	(for Participants)
-----	-----------	--------------	--------------------

Please select the 10 indicators from the list below that you believe are the most urgent priorities for your city. Your answers will help identify areas that require immediate attention. (Select exactly 10 out of 25)

Indicator #	Indicator Name
1	Unemployment
2	Fulfilling employment
3	Cost of living
4	Social mobility / inclusiveness
5	Corruption / transparency
6	E-government services
7	Citizen engagement
8	Availability of online information
9	Basic amenities (water, waste, electricity)
10	School education
11	Health services
12	Accessibility of healthcare
13	Road congestion
14	Public transport
15	Walkability
16	Bike-friendliness
17	Security
18	Public safety and crime reduction
19	Disaster preparedness
20	Air pollution
21	Recycling
22	Energy efficiency and renewable energy
23	Affordable housing
24	Green spaces and urban planning
25	Digital literacy

Participant	Indicator 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Check number of indicators
Citizen 1	1	1	1		1			1	1				1					1					1	1		10
Citizen 2	1			1		1				1		1	1			1				1			1		1	10
Citizen 3	1	1	1	Ш		1		1	1		1		1					1					1			10
Citizen 4	1	1	1	Ц						1			1	1	1						1		1		1	10
Citizen 5	1	1	1	Ш	1		1		1				1					1					1	1		10
Citizen 6	1		1			1					1		1			1			1		1		1		1	10
Citizen 7		1	1		1			1		1		1	1	1									1	1		10
Citizen 8	1		1		1		1				1		1	1					1		1		1			10
Citizen 9	1	1						1	1	1			1	1								1		1	1	10
Citizen 10	1	1	1		1				1	1		1	1							1			1			10
Citizen 11	1	1	1	П		1			1				1	1	1		1					1				10
Citizen 12		1	1	П			1			1			1				1		1				1	1	1	10
Citizen 13	1	1		1	1		П	1				1		1					1			1	1			10
Citizen 14	1	1		П	1				1		1		1	1			1						1	1		10
Citizen 15	1	1		П			1			1			1					1		1	1		1		1	10
Citizen 16	1	1	1	П	1					1		1	1			1		1						1		10
Citizen 17	1			1		1			1				1	1						1		1	1		1	10
Citizen 18	1	1	1	П	1			1	1	1	1		1										1			10
Citizen 19	1		1	П			П		1	1			1			1			1	1			1		1	10
Citizen 20	1	1	1		1			1			1		1								1		1		1	10
Sum	18	15	14	3	10	5	4	7	10	10	6	5	19	8	2	4	3	5	5	5	5	4	17	7	9	

3. Data Collection Format (Excel or Table Format)

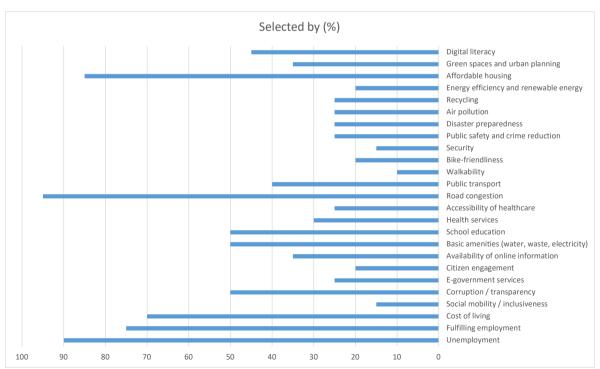
Please select the 10 indicators from the list below that you believe are the most urgent priorities for your city. Your answers will help identify areas that require immediate attention.

(Select exactly 10 out of 25)

Indicator #	Indicator Name
1	Unemployment
2	Fulfilling employment
3	Cost of living
4	Social mobility / inclusiveness
5	Corruption / transparency
6	E-government services
7	Citizen engagement
8	Availability of online information
9	Basic amenities (water, waste, electricity)
10	School education
11	Health services
12	Accessibility of healthcare
13	Road congestion
14	Public transport
15	Walkability
16	Bike-friendliness
17	Security
18	Public safety and crime reduction
19	Disaster preparedness
20	Air pollution
21	Recycling
22	Energy efficiency and renewable energy
23	Affordable housing
24	Green spaces and urban planning
25	Digital literacy

Indicator #	Indicator Name	Selected by (#)	Selected by (%)
1	Unemployment	18	90
2	Fulfilling employment	15	75
3	Cost of living	14	70
4	Social mobility / inclusiveness	3	15
5	Corruption / transparency	10	50
6	E-government services	5	25
7	Citizen engagement	4	20
8	Availability of online information	7	35
9	Basic amenities (water, waste, electricity)	10	50
10	School education	10	50
11	Health services	6	30
12	Accessibility of healthcare	5	25
13	Road congestion	19	95
14	Public transport	8	40
15	Walkability	2	10
16	Bike-friendliness	4	20
17	Security	3	15
18	Public safety and crime reduction	5	25
19	Disaster preparedness	5	25
20	Air pollution	5	25
21	Recycling	5	25
22	Energy efficiency and renewable energy	4	20
23	Affordable housing	17	85
24	Green spaces and urban planning	7	35
25	Digital literacy	9	45

5. Visualize results using a bar chart
Step 5 involves visualizing the results using a bar chart to illustrate the relative importance of each selected indicator.

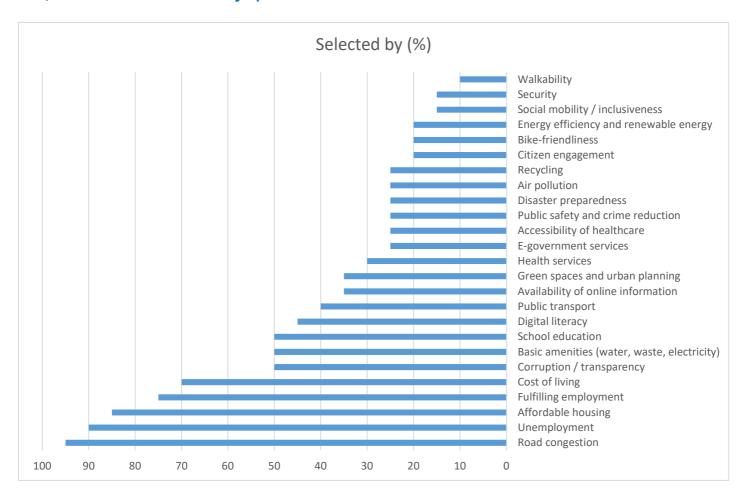


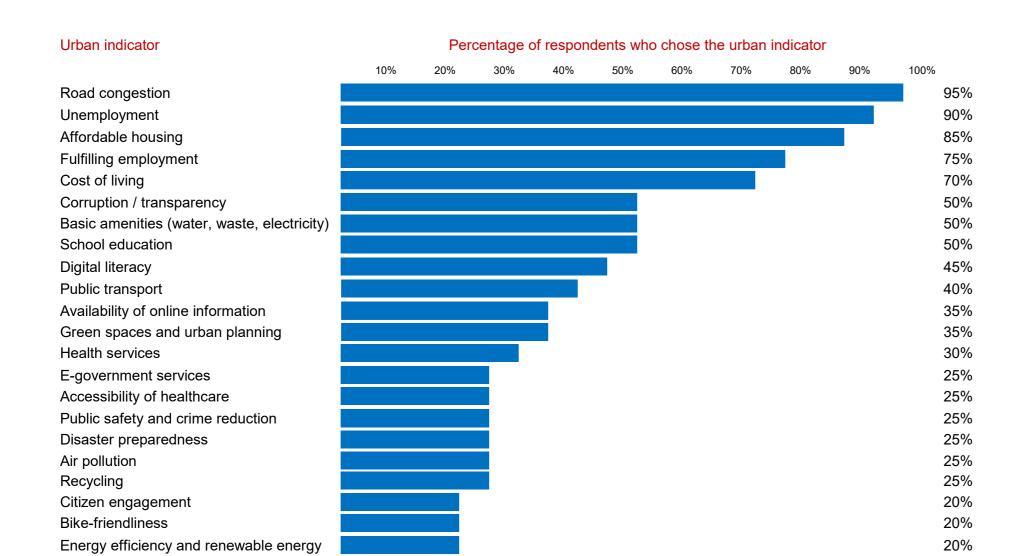


Indicator #	Indicator Name	Selected by (#)	Selected by (%)
13	Road congestion	19	95
1	Unemployment	18	90
23	Affordable housing	17	85
2	Fulfilling employment	15	75
3	Cost of living	14	70
5	Corruption / transparency	10	50
9	Basic amenities (water, waste, electricity)	10	50
10	School education	10	50
25	Digital literacy	9	45
14	Public transport	8	40
8	Availability of online information	7	35
24	Green spaces and urban planning	7	35
11	Health services	6	30
6	E-government services	5	25
12	Accessibility of healthcare	5	25
18	Public safety and crime reduction	5	25
19	Disaster preparedness	5	25
20	Air pollution	5	25
21	Recycling	5	25
7	Citizen engagement	4	20
16	Bike-friendliness	4	20
22	Energy efficiency and renewable energy	4	20
4	Social mobility / inclusiveness	3	15
17	Security	3	15
15	Walkability	2	10

To sort a bar chart in Excel increasingly (from smallest to largest values or vice versa), you need to sort the underlying data table first.

Then, the chart will automatically update to reflect the sorted data.





15%

15%

10%

Social mobility / inclusiveness

Security

Walkability

[✓] This version of the bar chart improves clarity ^_^